

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062040.D
 Acq On : 23 Jun 2020 8:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 12:44:54 PM

Quant Time: Jun 23 11:24:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	150756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	277084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	263986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107698	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	7.55	113	90595	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.06	98	349181	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.37	95	120528	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	89606	45.706	ug/l	99
3) Chloromethane	2.03	50	91049	43.510	ug/l	98
4) Vinyl Chloride	2.16	62	113993	45.696	ug/l	99
5) Bromomethane	2.52	94	48083	25.100	ug/l	97
6) Chloroethane	2.66	64	81031	47.995	ug/l	99
7) Trichlorofluoromethane	2.98	101	147977	49.660	ug/l	100
8) Diethyl Ether	3.37	74	55597	55.500	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	76476	50.027	ug/l	98
10) Methyl Iodide	3.91	142	56861	32.860	ug/l	99
11) Tert butyl alcohol	4.73	59	75951	271.463	ug/l	99
12) 1,1-Dichloroethene	3.69	96	73818	48.192	ug/l	95
13) Acrolein	3.56	56	42390	253.498	ug/l	99
14) Allyl chloride	4.27	41	102163	50.253	ug/l	98
15) Acrylonitrile	4.93	53	206626	298.050	ug/l	99
16) Acetone	3.77	43	163311	273.452	ug/l	98
17) Carbon Disulfide	4.00	76	173637	38.742	ug/l	99
18) Methyl Acetate	4.27	43	98777	57.448	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	278993	54.704	ug/l	99
20) Methylene Chloride	4.50	84	93786	48.201	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	83939	47.709	ug/l	99
22) Diisopropyl ether	5.90	45	253173	54.452	ug/l	99
23) Vinyl Acetate	5.84	43	1002896	274.251	ug/l	97
24) 1,1-Dichloroethane	5.79	63	159820	52.510	ug/l	99
25) 2-Butanone	6.78	43	252429	289.700	ug/l	99
26) 2,2-Dichloropropane	6.77	77	86829	33.908	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	102125	50.306	ug/l	99
28) Bromochloromethane	7.15	49	74019	54.620	ug/l	95
29) Tetrahydrofuran	7.16	42	166609	290.543	ug/l	98
30) Chloroform	7.33	83	166831	51.288	ug/l	99
31) Cyclohexane	7.61	56	117935	44.263	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	140748	50.807	ug/l	99
36) 1,1-Dichloropropene	7.75	75	115542	45.717	ug/l	99
37) Ethyl Acetate	6.88	43	108462	54.957	ug/l	99
38) Carbon Tetrachloride	7.73	117	118491	47.344	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	119914	44.064	ug/l	98
40) Benzene	8.00	78	367729	48.033	ug/l	98
41) Methacrylonitrile	7.12	41	43055	51.017	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	128632	49.276	ug/l	99
43) Isopropyl Acetate	8.13	43	179205	53.881	ug/l #	90
44) Trichloroethene	8.80	130	97381	48.332	ug/l	100
45) 1,2-Dichloropropane	9.08	63	95804	50.921	ug/l	99
46) Dibromomethane	9.17	93	64473	48.663	ug/l	98
47) Bromodichloromethane	9.37	83	137145	50.553	ug/l	99
48) Methyl methacrylate	9.17	41	81244	53.714	ug/l	97
49) 1,4-Dioxane	9.17	88	37165	1070.243	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	546992	278.307	ug/l	99
52) Toluene	10.12	92	238047	49.510	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	138109	47.955	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	150365	48.070	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	101018	53.400	ug/l	99
56) Ethyl methacrylate	10.40	69	138058	47.907	ug/l	98
57) 1,3-Dichloropropane	10.68	76	166816	52.051	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	285766	286.226	ug/l	98
59) 2-Hexanone	10.72	43	400196	254.608	ug/l	100
60) Dibromochloromethane	10.87	129	106916	50.650	ug/l	99
61) 1,2-Dibromoethane	10.98	107	99739	50.492	ug/l	99
64) Tetrachloroethene	10.60	164	77013	45.771	ug/l	99
65) Chlorobenzene	11.40	112	261311	46.911	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	96051	49.441	ug/l	100
67) Ethyl Benzene	11.48	91	460133	49.268	ug/l	99
68) m/p-Xylenes	11.59	106	354795	98.519	ug/l	100
69) o-Xylene	11.92	106	171549	49.925	ug/l	98
70) Styrene	11.94	104	294930	51.261	ug/l	100
71) Bromoform	12.10	173	72043	50.859	ug/l #	99
73) Isopropylbenzene	12.22	105	451453	49.414	ug/l	100
74) N-amyl acetate	12.04	43	160857	48.703	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	150272	50.590	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	131697m	52.176	ug/l	
77) Bromobenzene	12.50	156	110888	48.109	ug/l	98
78) n-propylbenzene	12.56	91	511307	49.048	ug/l	100
79) 2-Chlorotoluene	12.65	91	307878	49.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	376264	49.780	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	41518	44.863	ug/l	99
82) 4-Chlorotoluene	12.75	91	316385	48.904	ug/l	98
83) tert-Butylbenzene	12.97	119	315703	49.268	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	383795	51.438	ug/l	99
85) sec-Butylbenzene	13.15	105	422463	50.370	ug/l	98
86) p-Isopropyltoluene	13.26	119	373197	49.935	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	198692	47.264	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	198068	46.029	ug/l	99
89) n-Butylbenzene	13.59	91	300344	48.120	ug/l	99
90) Hexachloroethane	13.85	117	70506	51.537	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	197745	48.861	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	26258	54.452	ug/l	93

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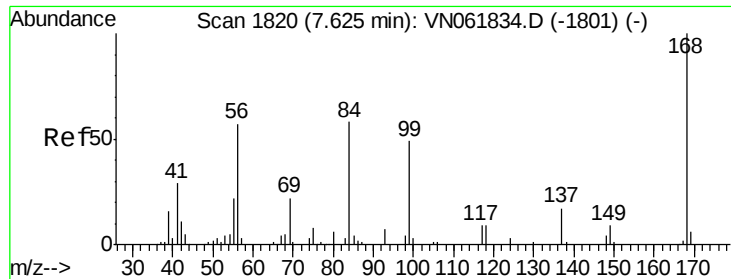
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	90413	47.344	ug/l	99
94) Hexachlorobutadiene	14.99	225	35508	47.208	ug/l	98
95) Naphthalene	15.10	128	271868	43.033	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	92755	49.042	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 150756

Ion Ratio Lower Upper

168 100

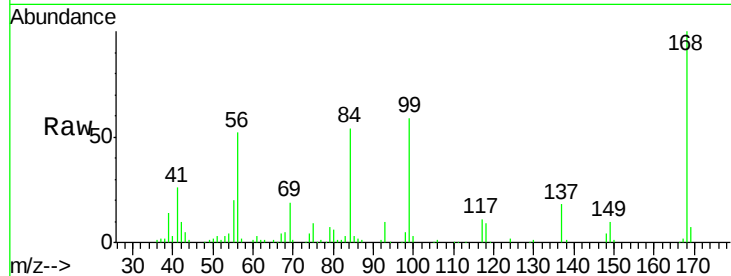
99 58.7 44.6 67.0

Manual Integrations

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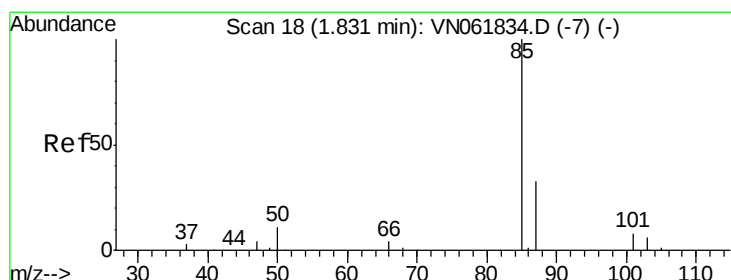
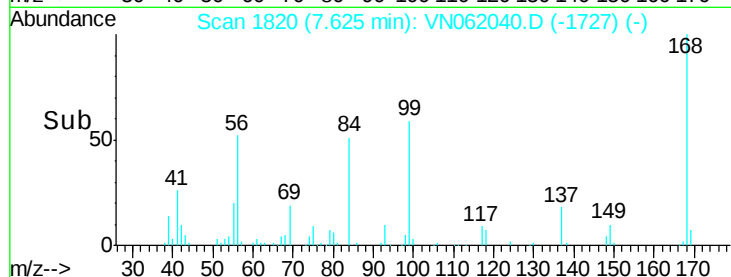
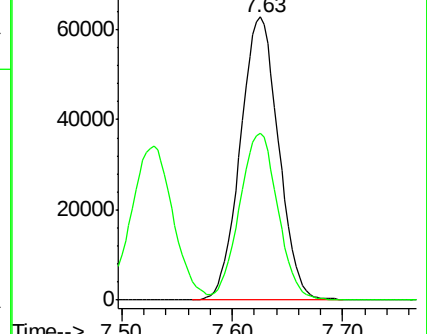
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 45.706 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062040.D

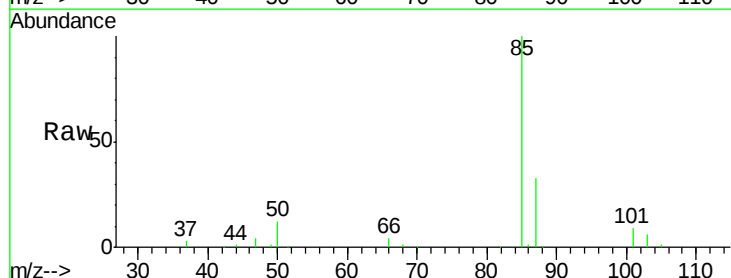
Acq: 23 Jun 2020 8:47

Tgt Ion: 85 Resp: 89606

Ion Ratio Lower Upper

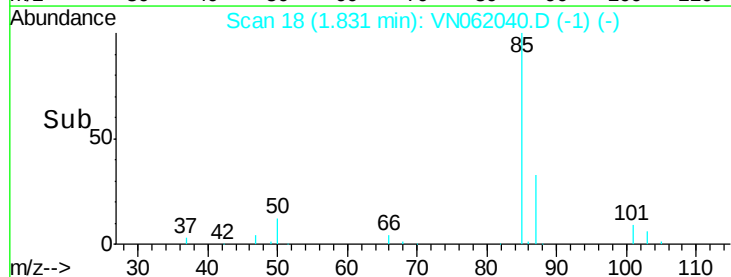
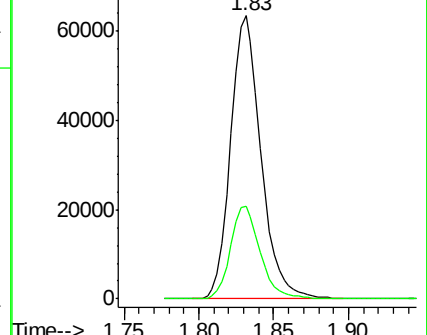
85 100

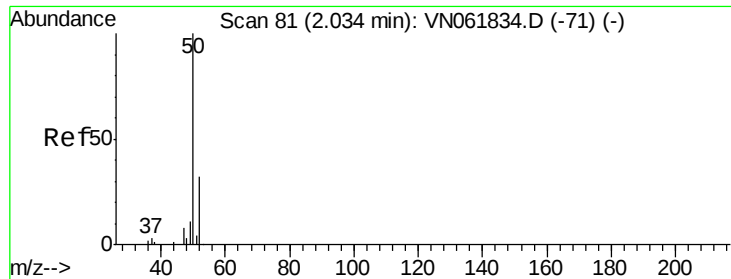
87 32.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 43.510 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 91049

Ion Ratio Lower Upper

50 100

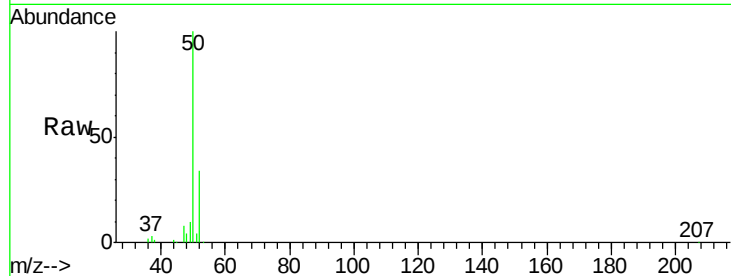
52 33.7 26.0 39.0

Manual Integrations

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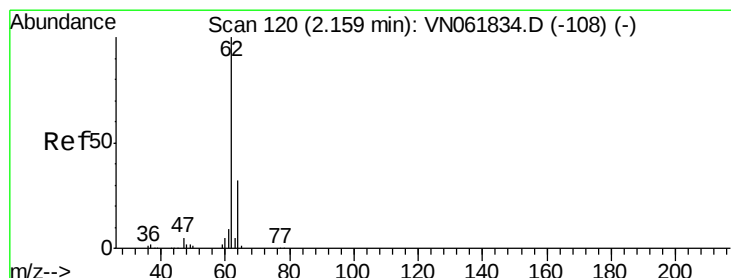
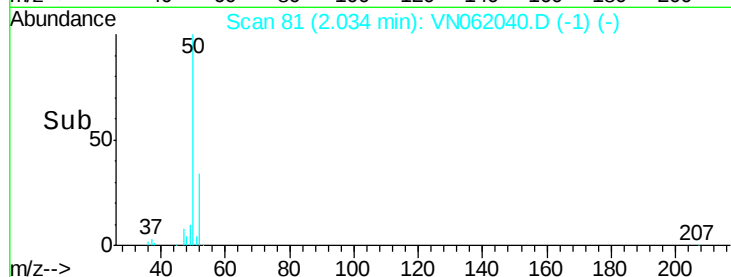
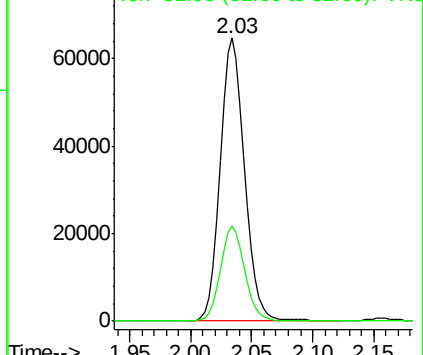
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.696 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062040.D

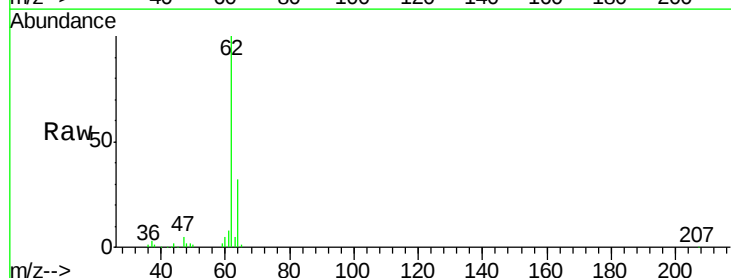
Acq: 23 Jun 2020 8:47

Tgt Ion: 62 Resp: 113993

Ion Ratio Lower Upper

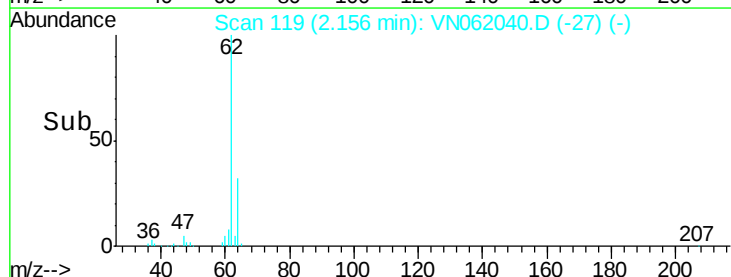
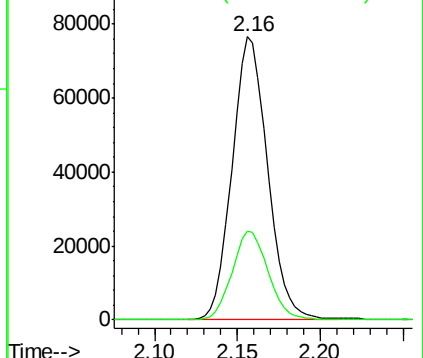
62 100

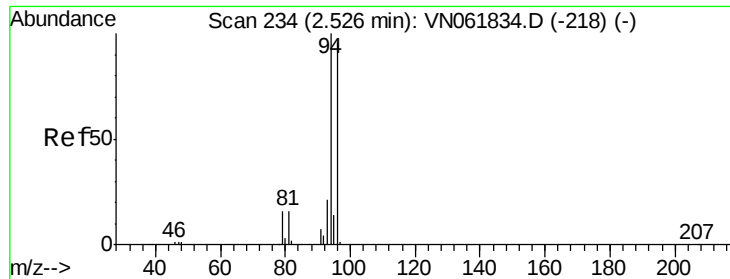
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 25.100 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48083

Ion Ratio Lower Upper

94 100

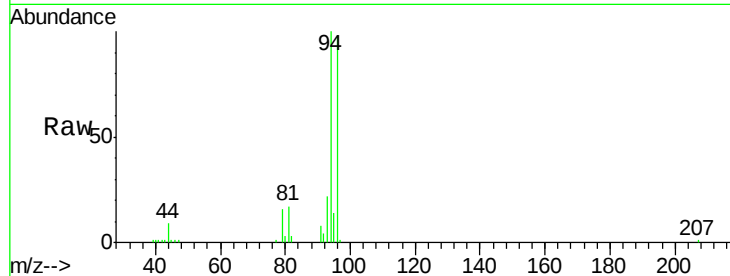
96 98.4 76.7 115.1

Manual Integrations

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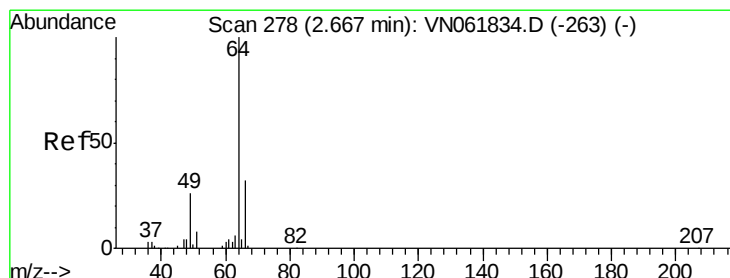
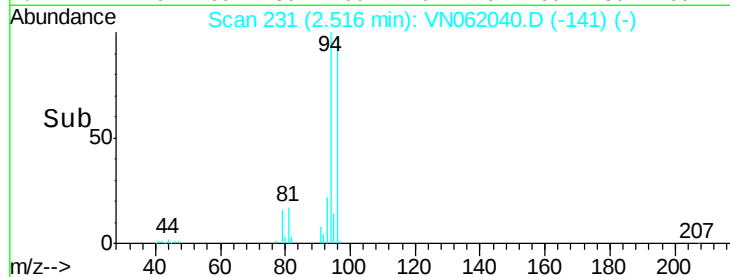
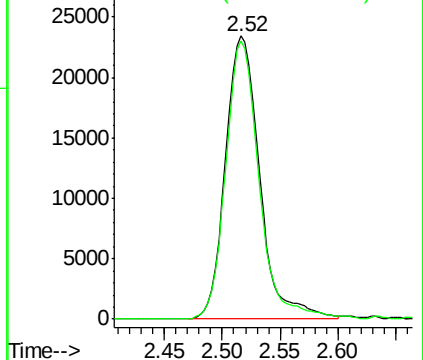
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.995 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.01 min

Lab File: VN062040.D

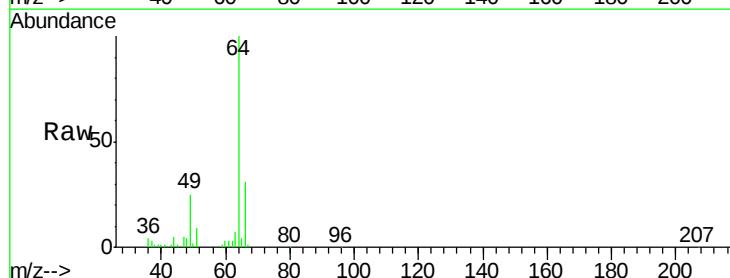
Acq: 23 Jun 2020 8:47

Tgt Ion: 64 Resp: 81031

Ion Ratio Lower Upper

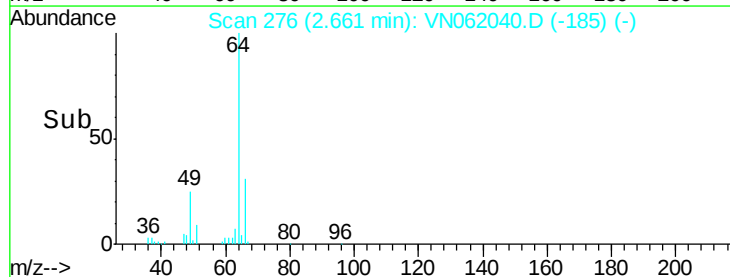
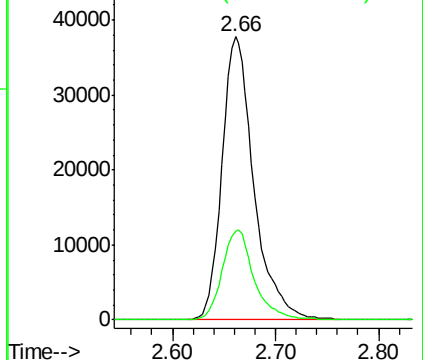
64 100

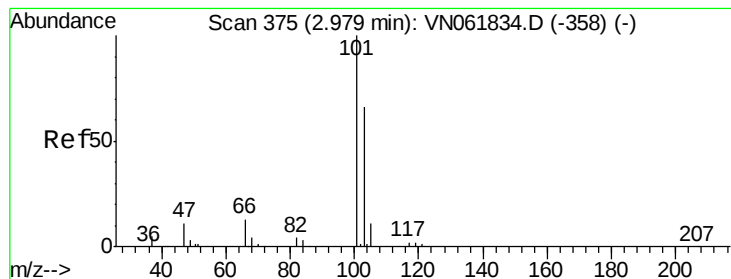
66 31.5 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

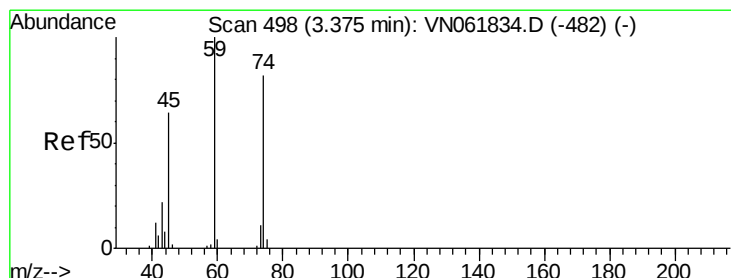
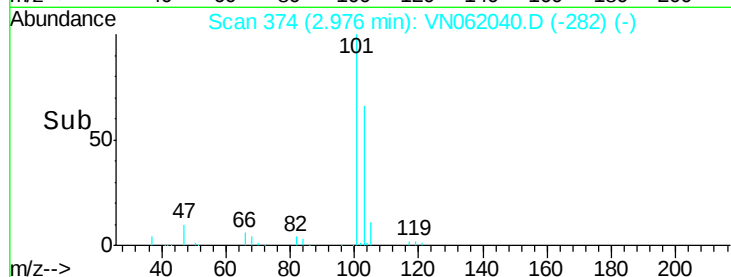
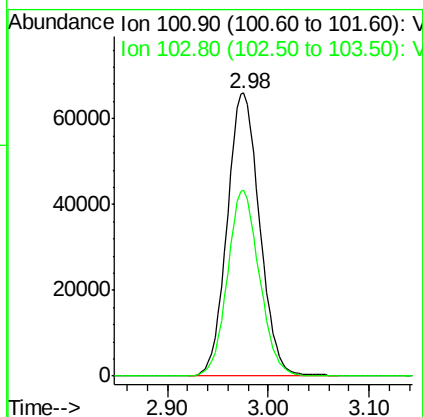
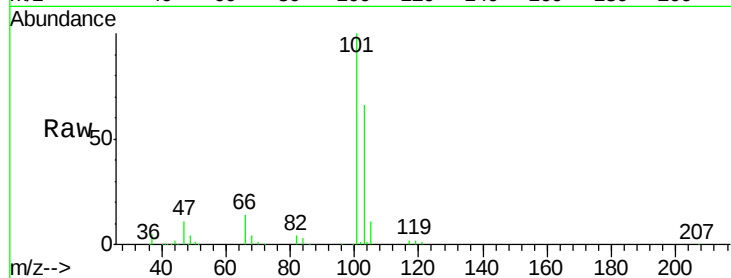
Trichlorofluoromethane
 Concen: 49.660 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.8	79.2

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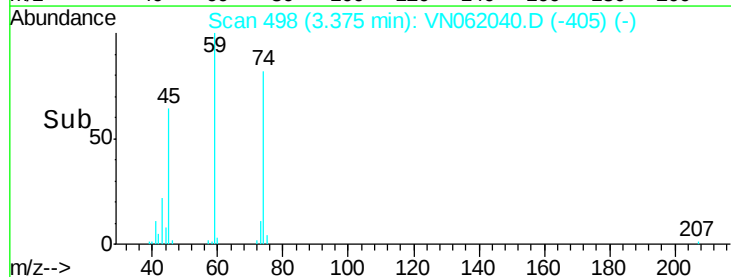
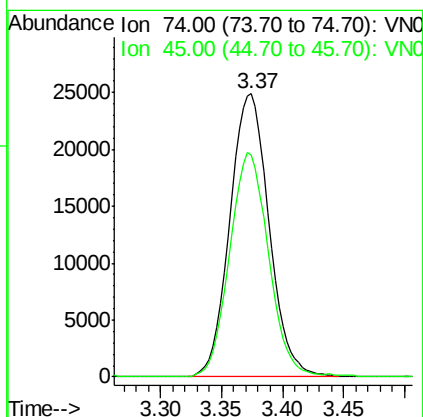
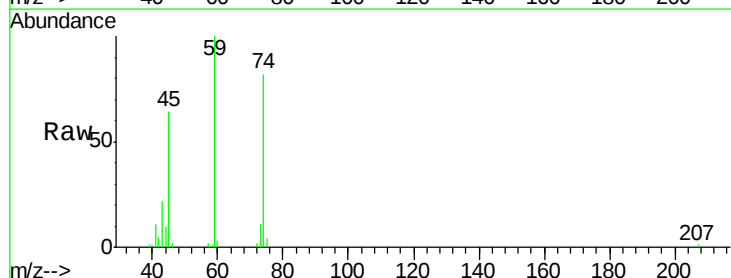
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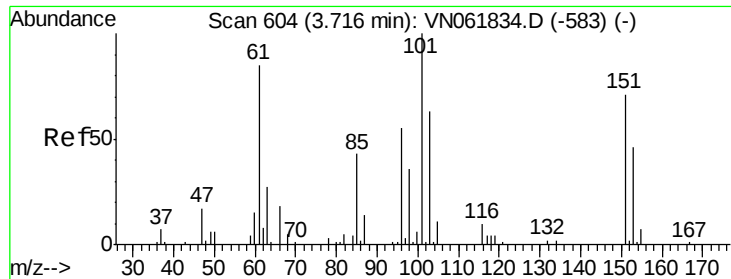


#8

Diethyl Ether
 Concen: 55.500 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.5	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.027 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062040.D

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MSVOA_N

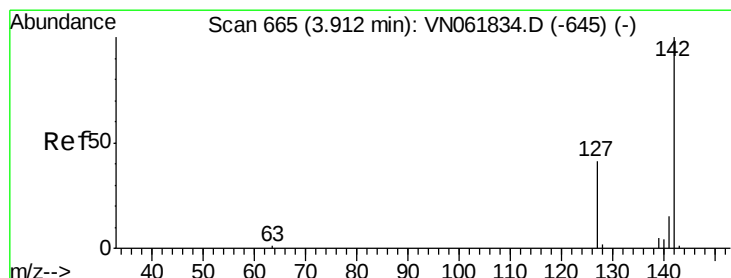
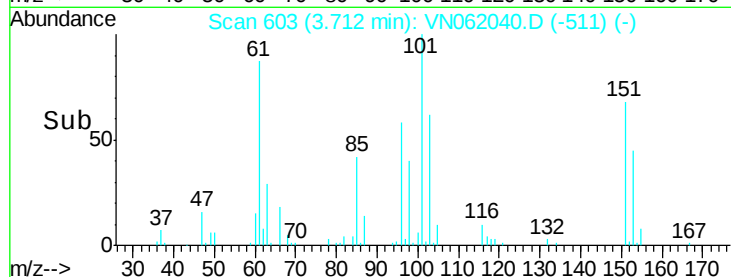
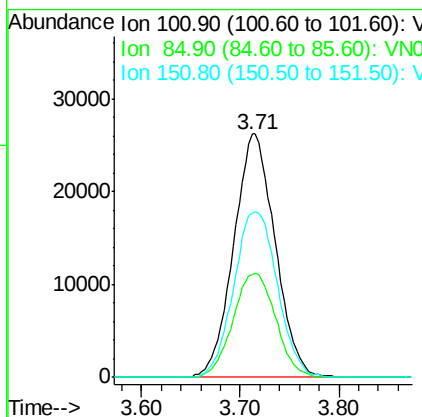
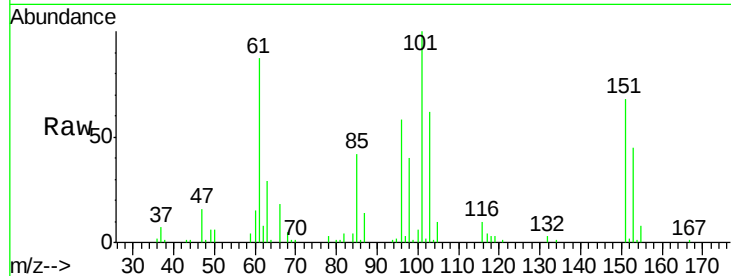
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	76476
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.0	52.6
151	71.4	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 32.860 ug/l

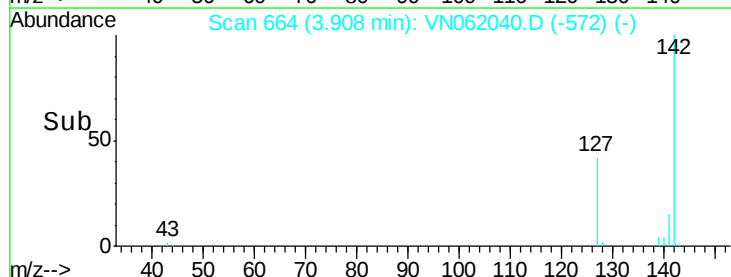
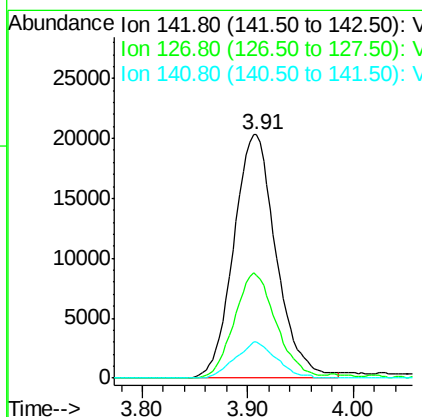
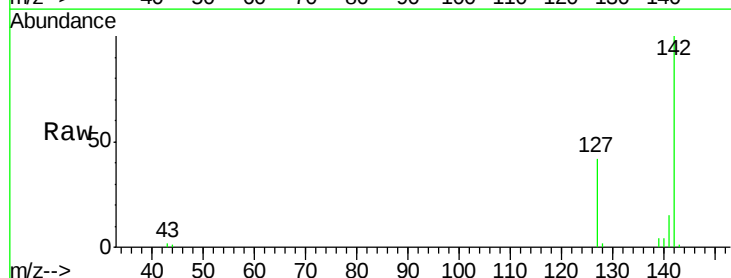
RT: 3.91 min Scan# 664

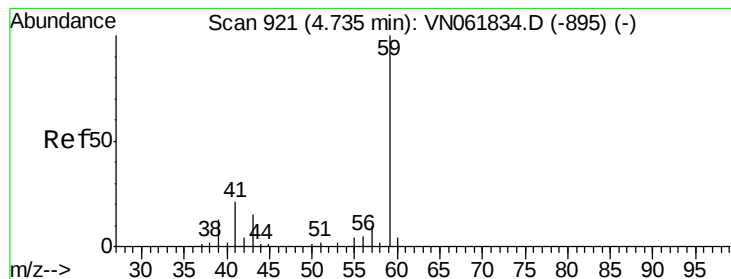
Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Tgt Ion:	142	Resp:	56861
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.4	50.0
141	14.4	11.3	16.9





#11

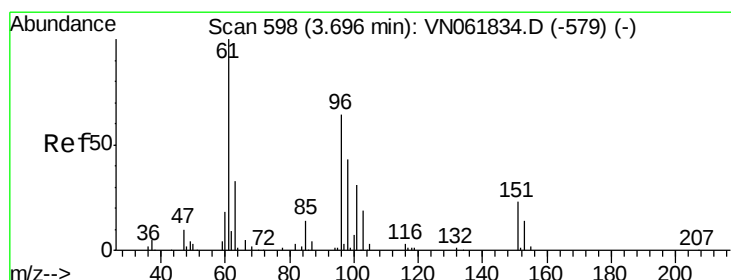
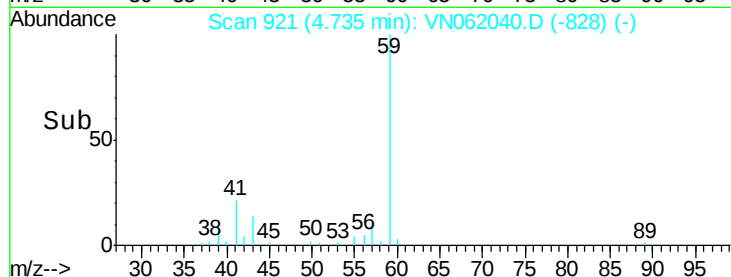
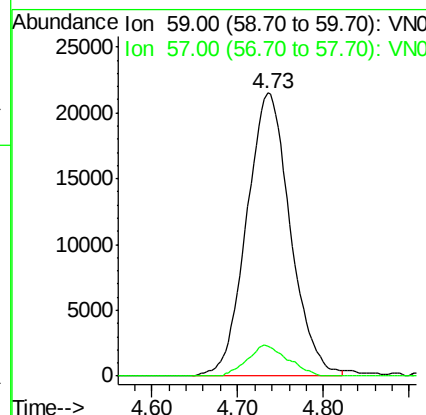
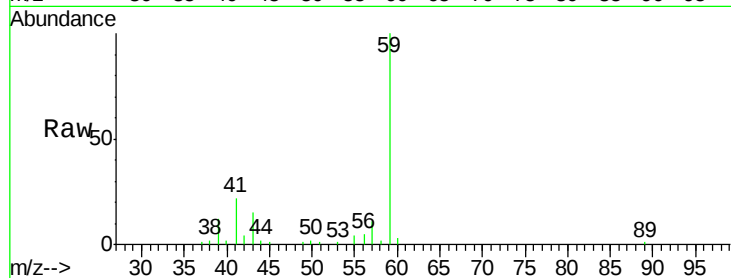
Tert butyl alcohol
 Concen: 271.463 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.7	11.5

Manual Integrations
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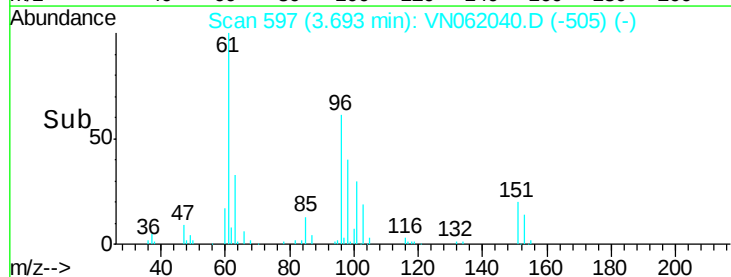
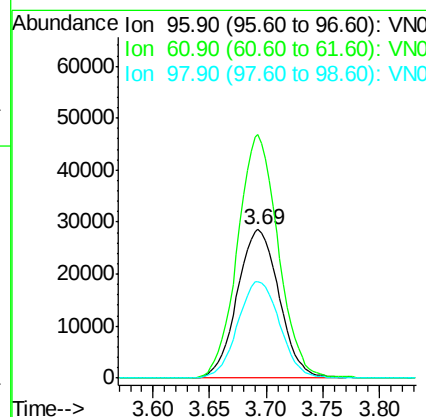
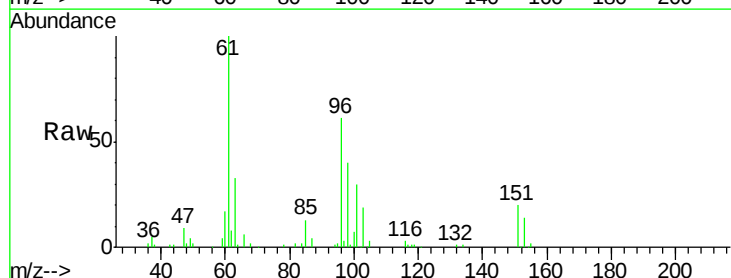
MMDadoda
 6/23/2020 12:44:54 PM

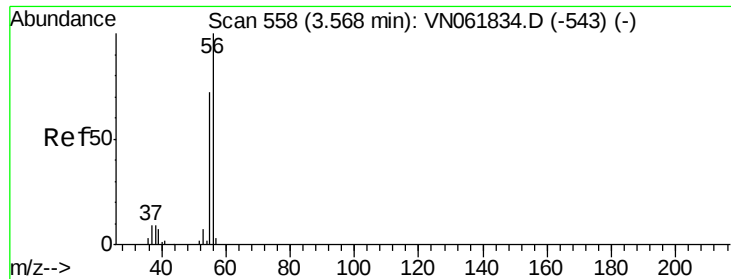


#12

1,1-Dichloroethene
 Concen: 48.192 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	124.3	186.5
98	65.2	53.1	79.7





#13

Acrolein

Concen: 253.498 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 42390

Ion Ratio Lower Upper

56 100

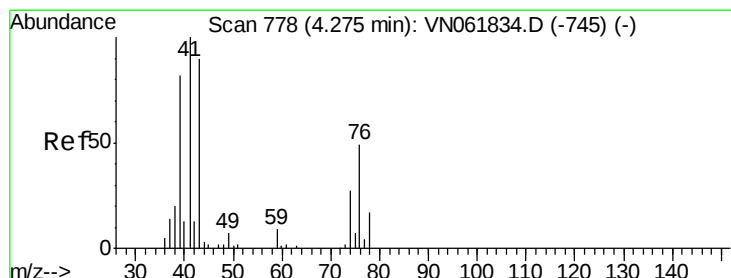
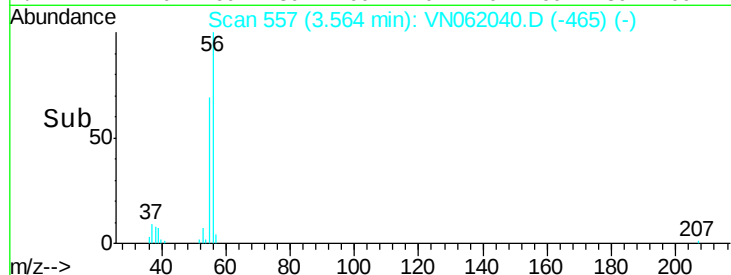
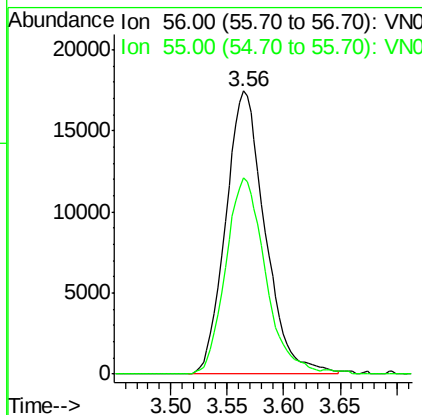
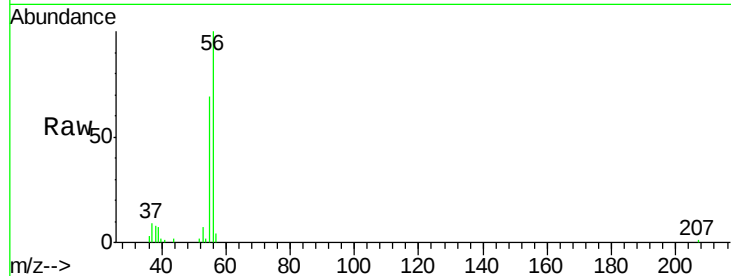
55 69.5 56.2 84.4

Manual Integrations

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#14

Allyl chloride

Concen: 50.253 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

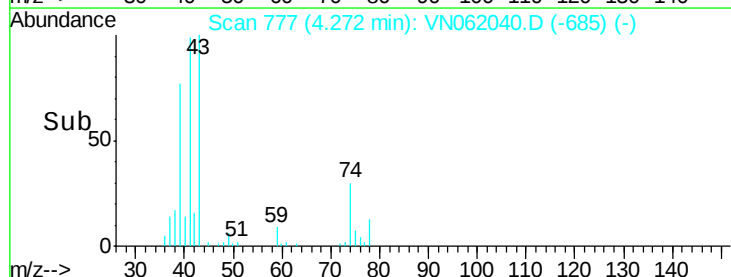
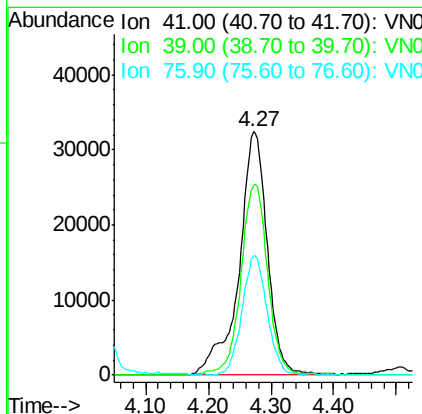
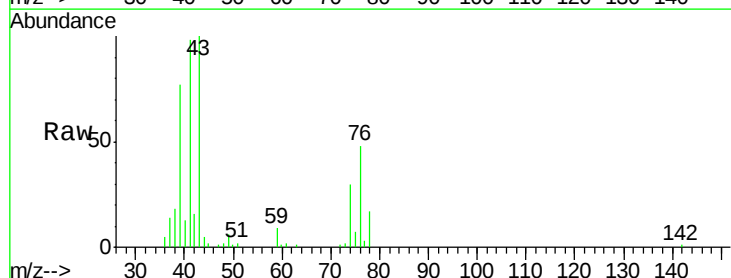
Tgt Ion: 41 Resp: 102163

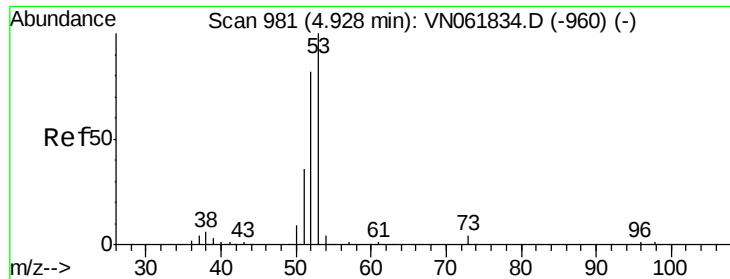
Ion Ratio Lower Upper

41 100

39 73.9 60.2 90.2

76 43.1 36.3 54.5





#15

Acrylonitrile

Concen: 298.050 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

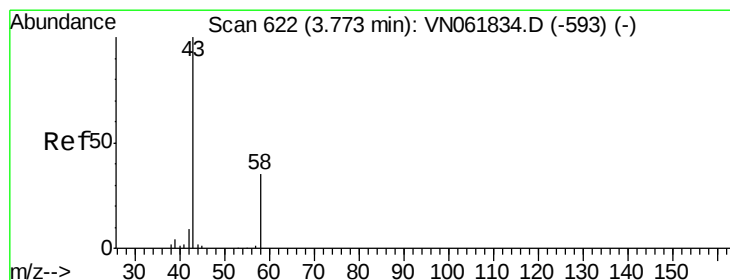
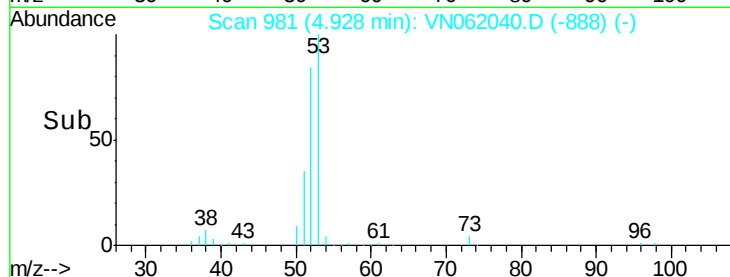
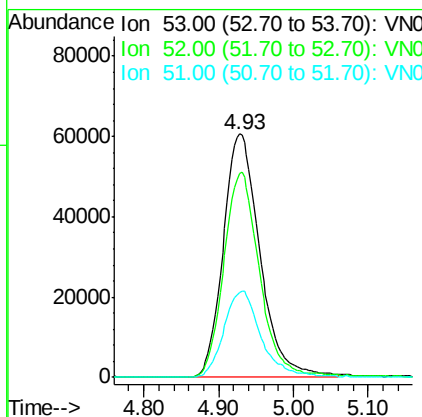
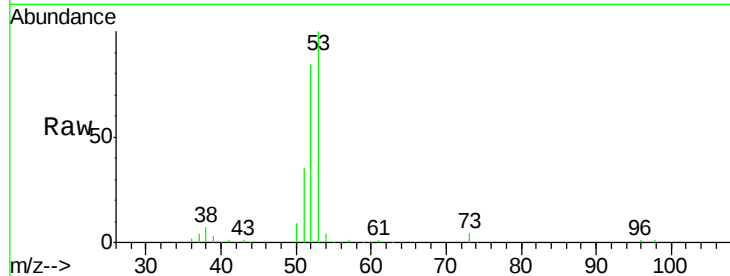
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	206626
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.2	97.8
51	35.9	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 273.452 ug/l

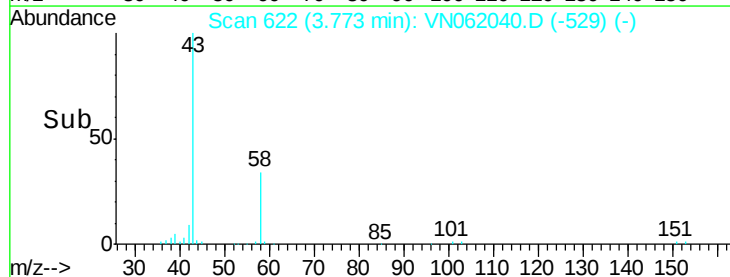
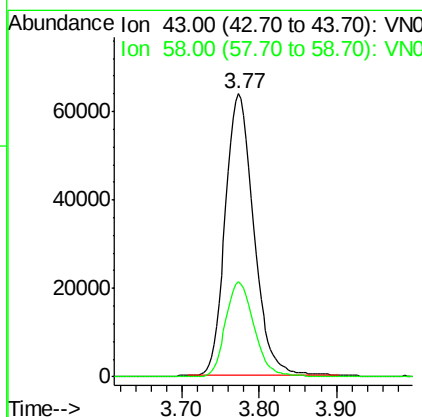
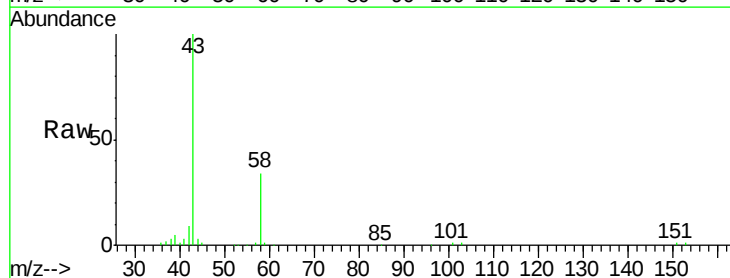
RT: 3.77 min Scan# 622

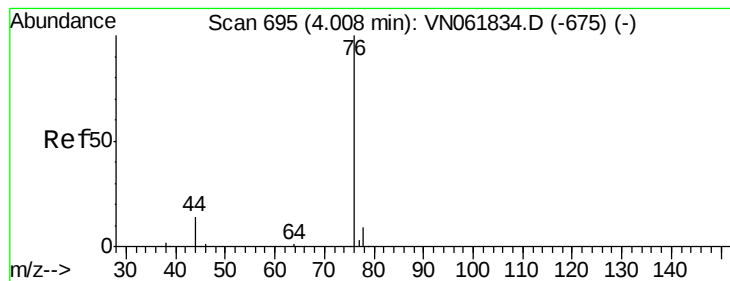
Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Tgt Ion:	43	Resp:	163311
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.8	41.8





#17

Carbon Disulfide

Concen: 38.742 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Tot Ion: 76 Resp: 173637

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

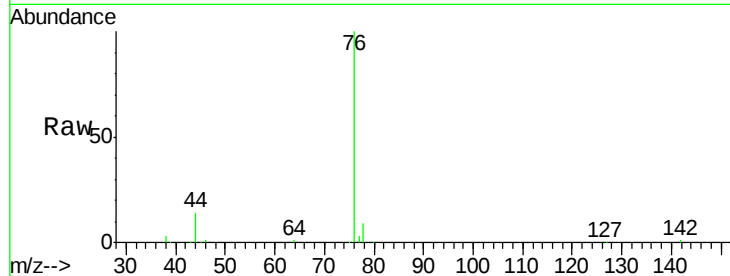
VSTDCCC050EC

Manual Integrations

APPROVED

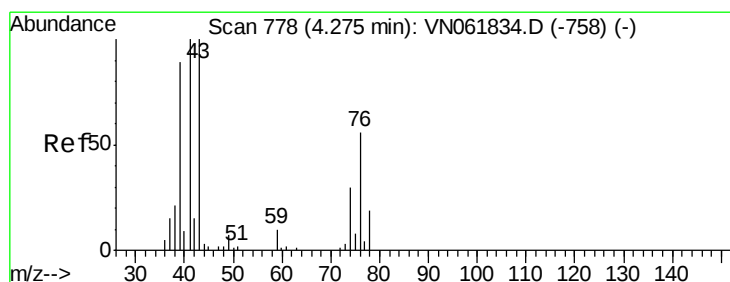
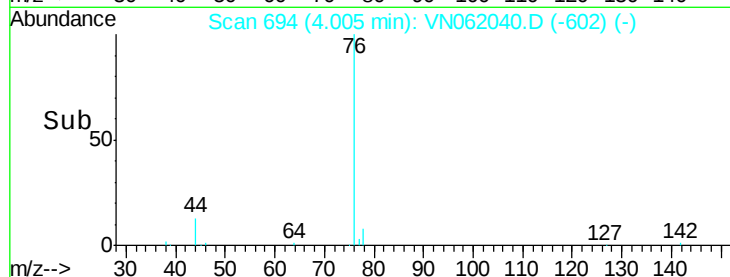
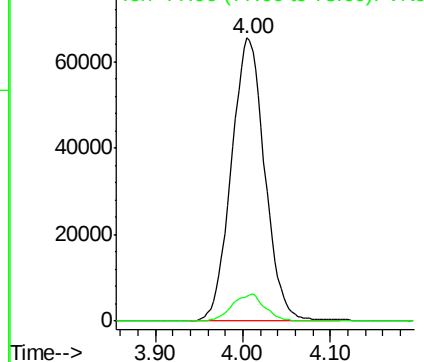
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 57.448 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062040.D

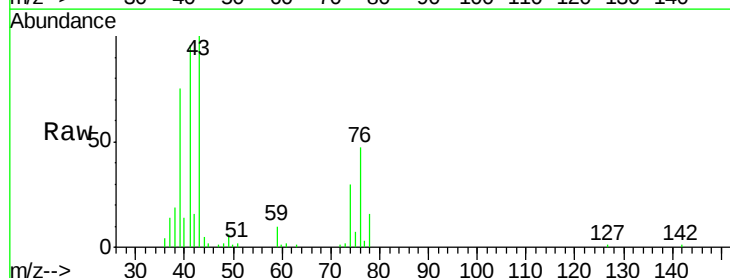
Acq: 23 Jun 2020 8:47

Tgt Ion: 43 Resp: 98777

Ion Ratio Lower Upper

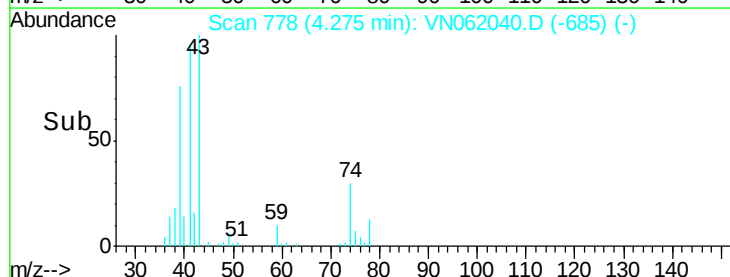
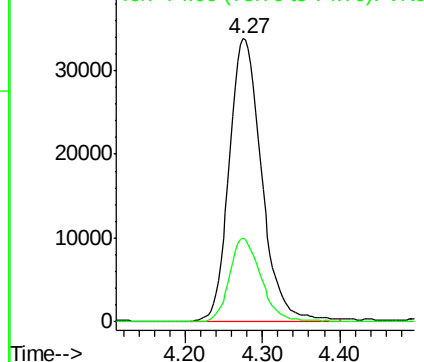
43 100

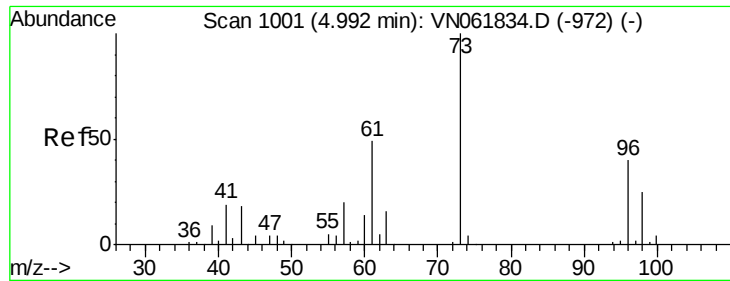
74 28.3 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





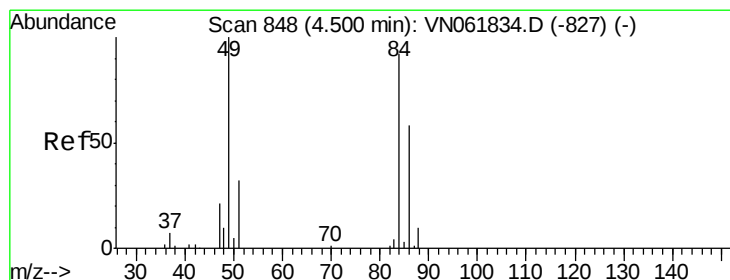
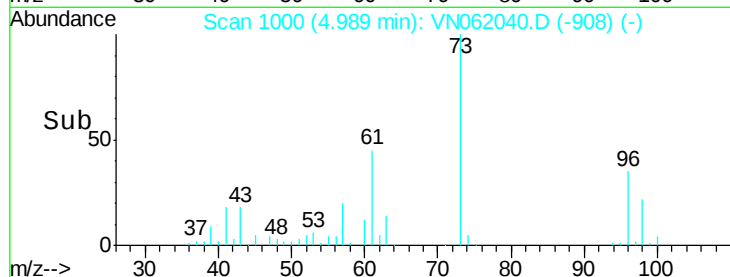
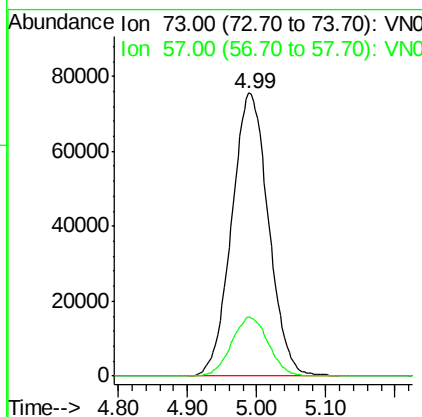
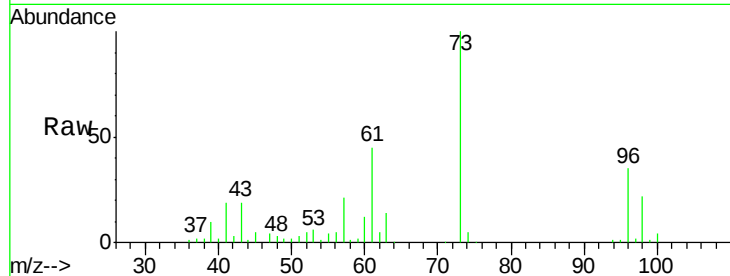
#19
Methvl tert-butvl Ether
Concen: 54.704 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 278993
Ion Ratio Lower Upper
73 100
57 20.8 16.2 24.4

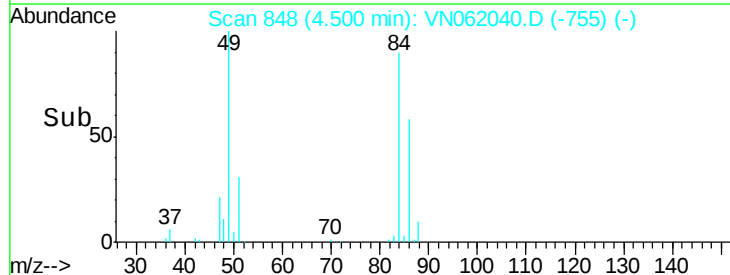
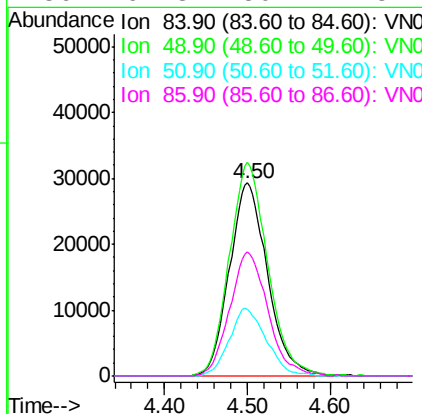
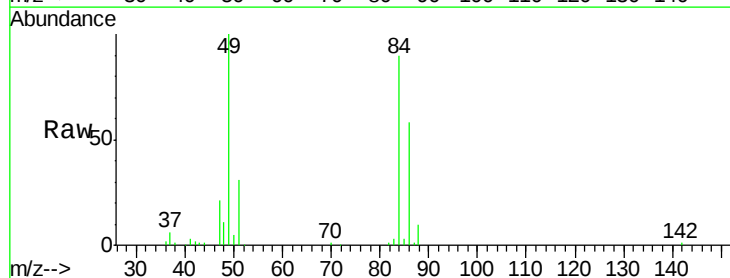
Manual Integrations
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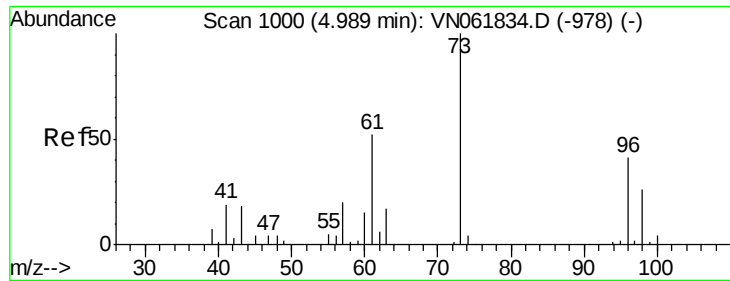
MMDadoda
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#20
Methylene Chloride
Concen: 48.201 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion: 84 Resp: 93786
Ion Ratio Lower Upper
84 100
49 110.8 87.0 130.4
51 34.6 27.8 41.6
86 64.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.709 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 83939

Ion Ratio Lower Upper

96 100

61 127.7 102.2 153.4

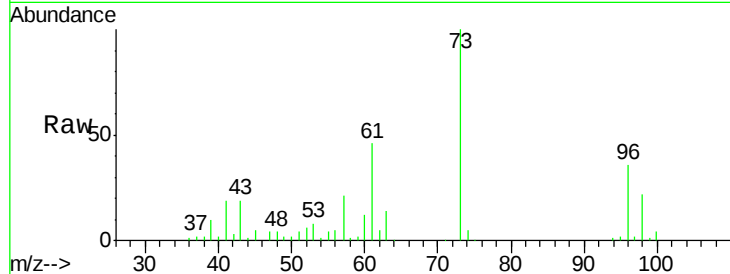
98 61.2 51.2 76.8

Manual Integrations

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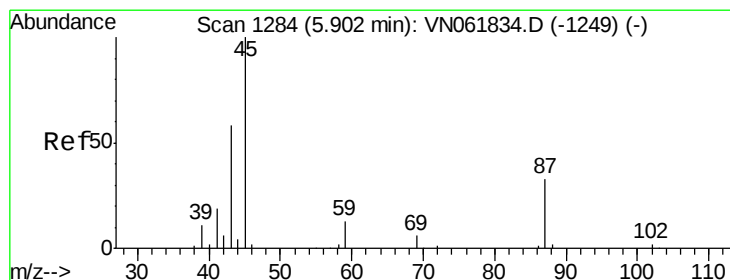
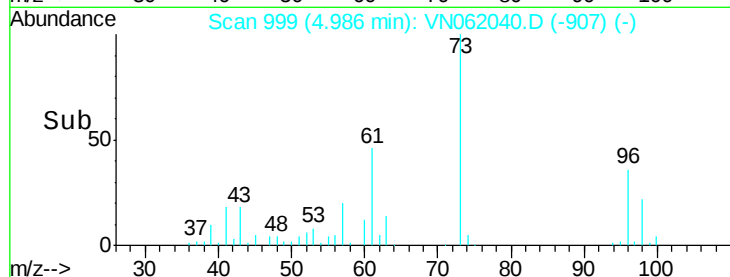
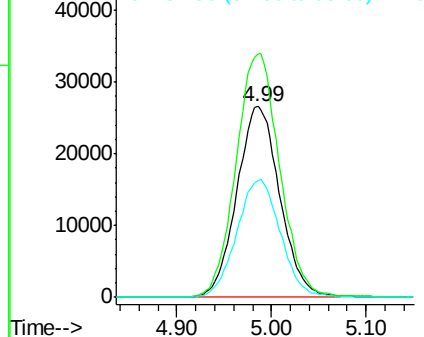
6/23/2020 12:44:54 PM



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-978) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-978) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-978) (-)



#22

Diisopropyl ether

Concen: 54.452 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Tgt Ion: 45 Resp: 253173

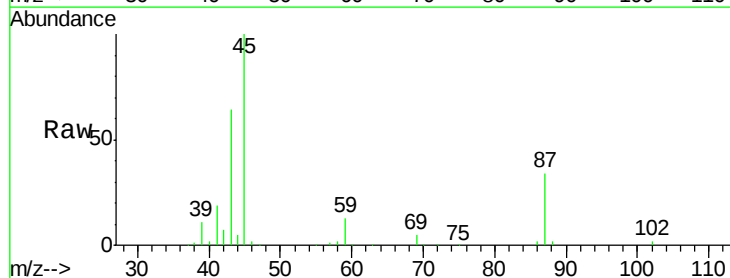
Ion Ratio Lower Upper

45 100

43 62.2 49.4 74.2

87 33.6 27.4 41.0

59 12.8 10.6 15.8

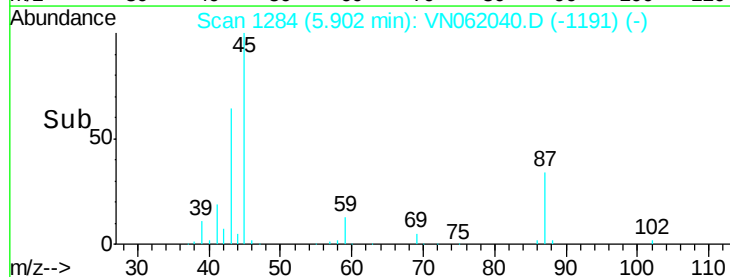
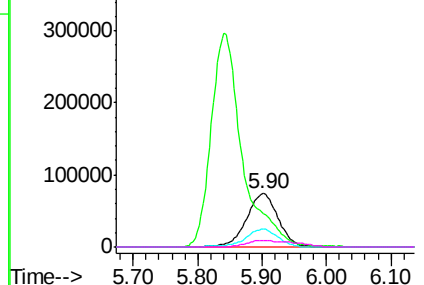


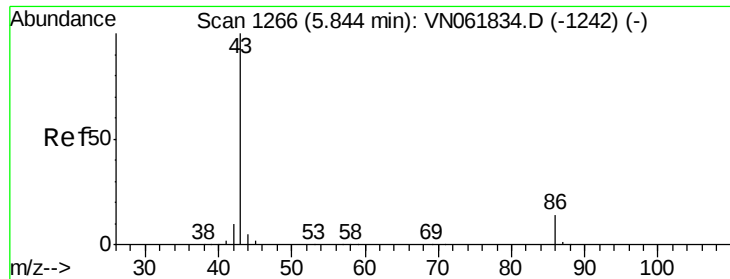
Abundance Ion 45.00 (44.70 to 45.70): VN061834.D (-1249) (-)

Ion 43.00 (42.70 to 43.70): VN061834.D (-1249) (-)

Ion 87.00 (86.70 to 87.70): VN061834.D (-1249) (-)

Ion 59.00 (58.70 to 59.70): VN061834.D (-1249) (-)





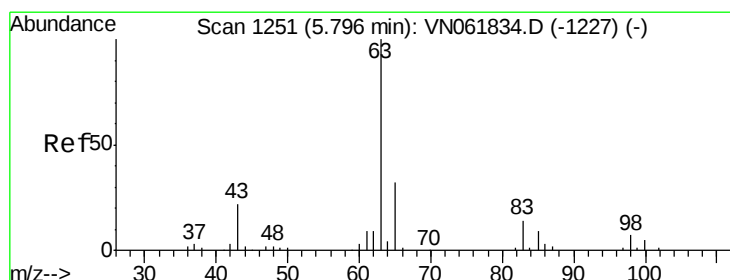
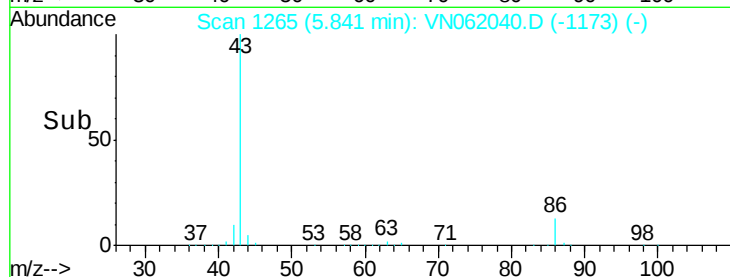
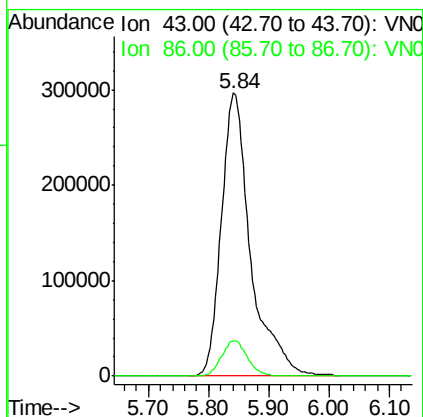
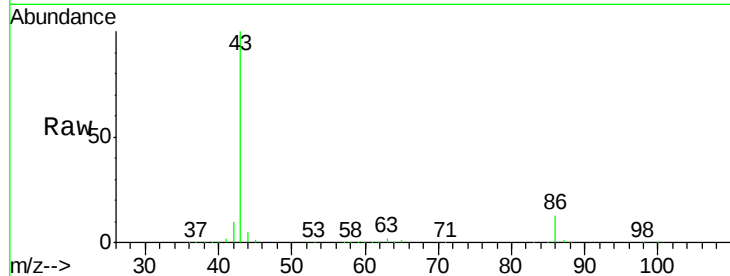
#23
 Vinyl Acetate
 Concen: 274.251 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1002896
 Ion Ratio Lower Upper
 43 100
 86 12.5 10.9 16.3

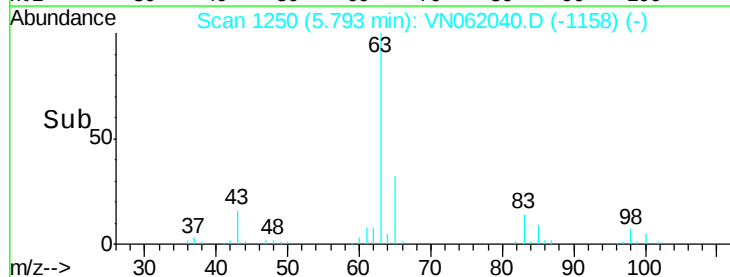
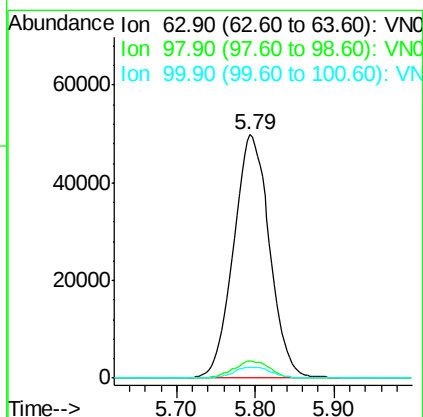
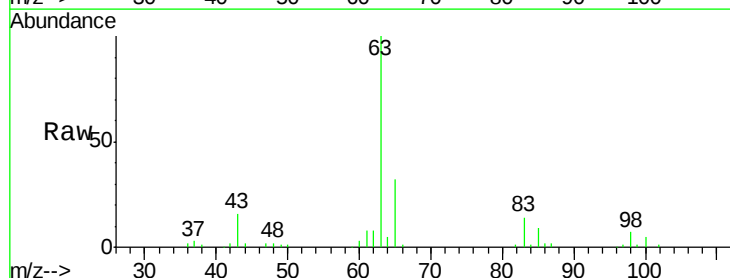
Manual Integrations
 APPROVED

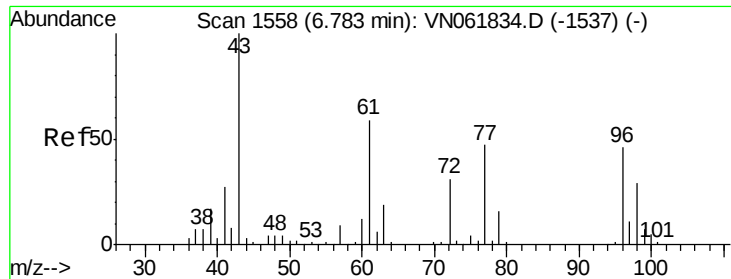
MMDadoda
 6/23/2020 12:44:54 PM



#24
 1,1-Dichloroethane
 Concen: 52.510 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion: 63 Resp: 159820
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.4
 100 4.6 2.5 7.4





#25

2-Butanone

Concen: 289.700 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 252429

Ion Ratio Lower Upper

43 100

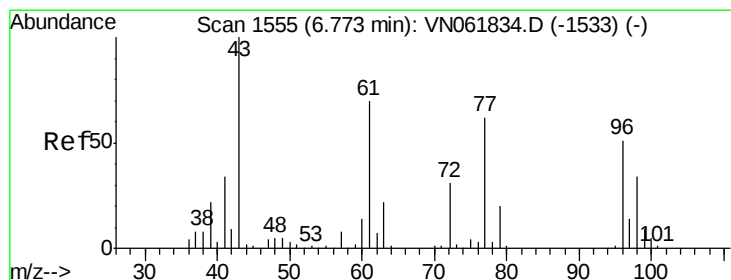
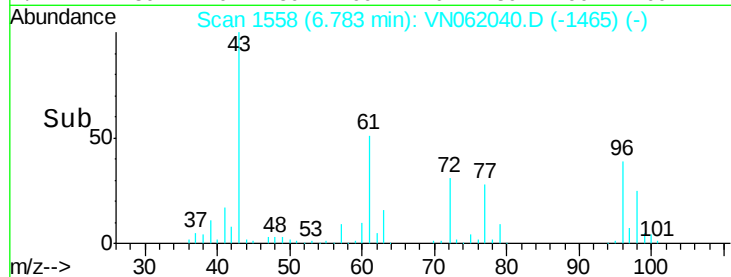
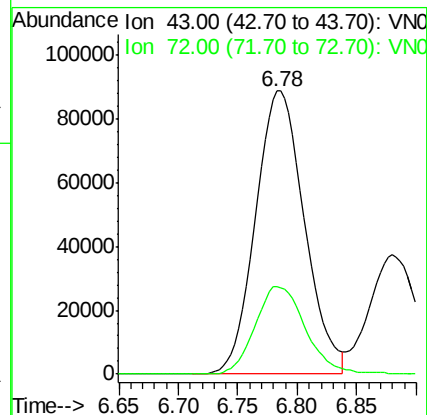
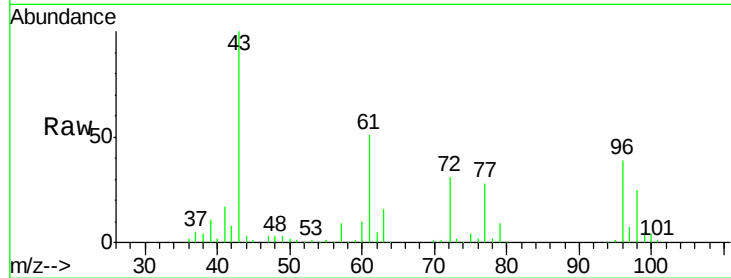
72 31.1 24.6 37.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 33.908 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062040.D

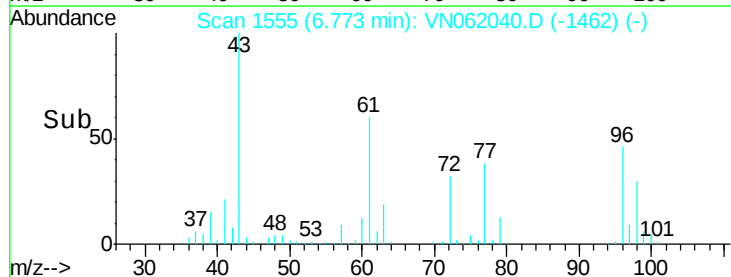
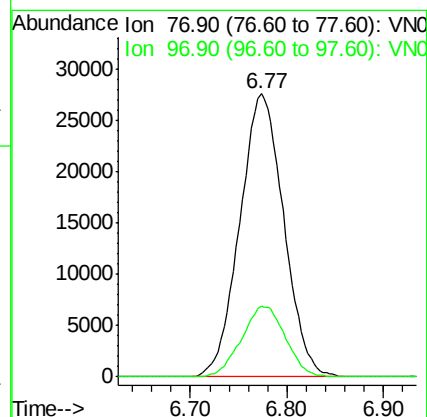
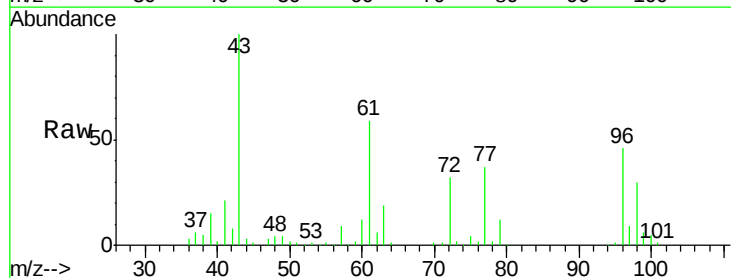
Acq: 23 Jun 2020 8:47

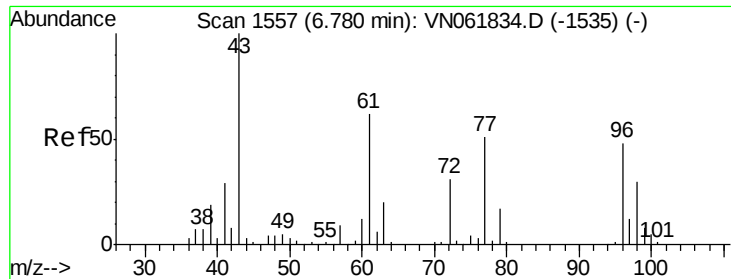
Tgt Ion: 77 Resp: 86829

Ion Ratio Lower Upper

77 100

97 24.8 11.7 35.0





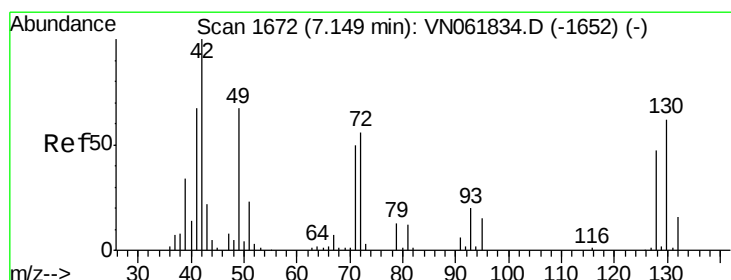
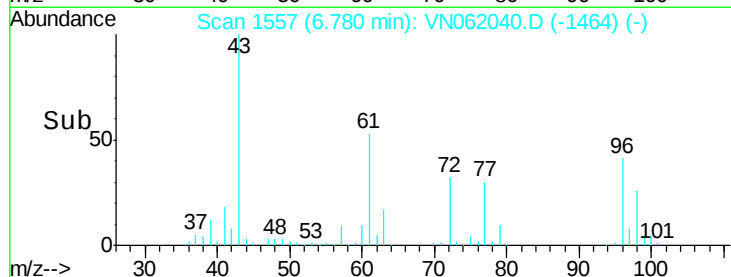
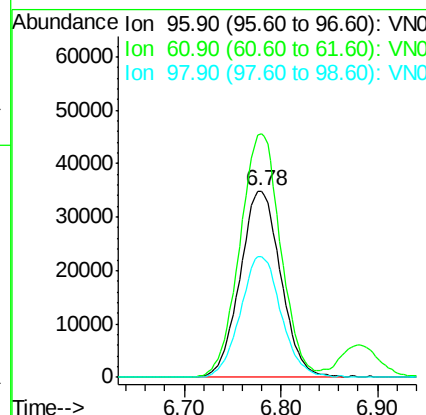
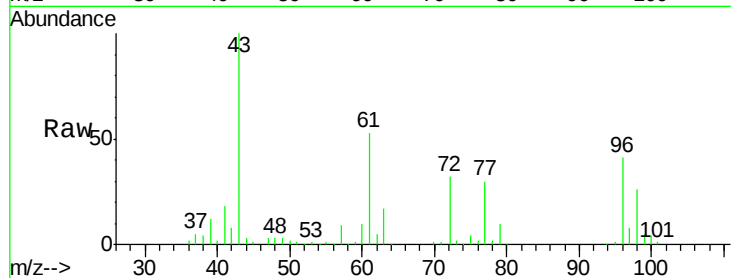
#27
 cis-1,2-Dichloroethene
 Concen: 50.306 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.8	0.0	265.6	
98	64.9	0.0	128.2	

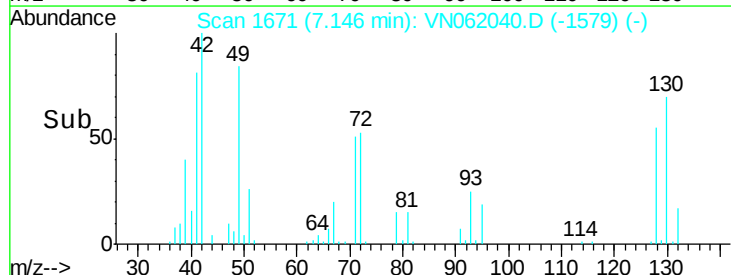
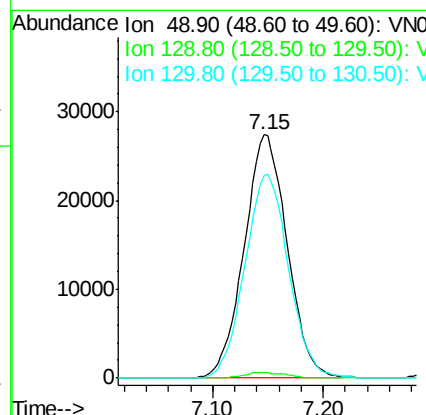
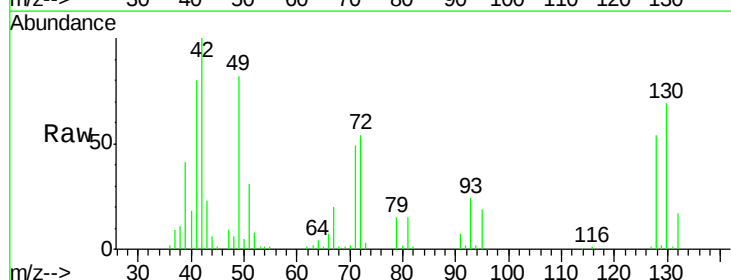
Manual Integrations
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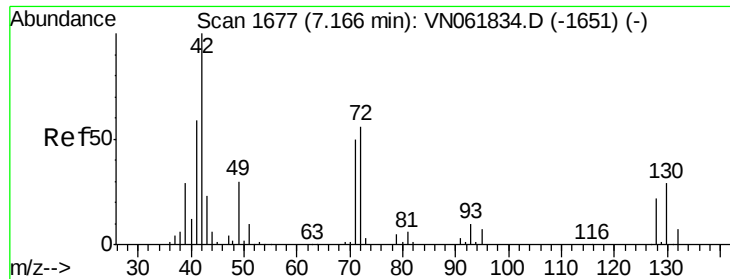
MMDadoda
 6/23/2020 12:44:54 PM



#28
 Bromochloromethane
 Concen: 54.620 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.0	
130	85.2	72.2	108.2	





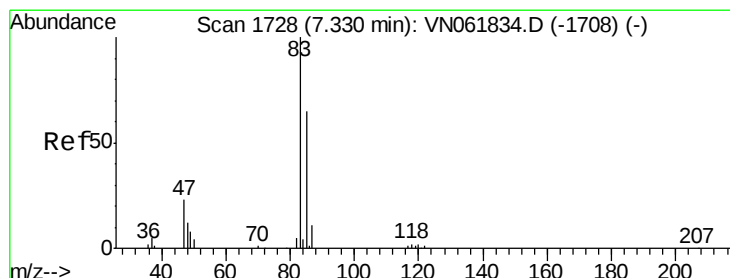
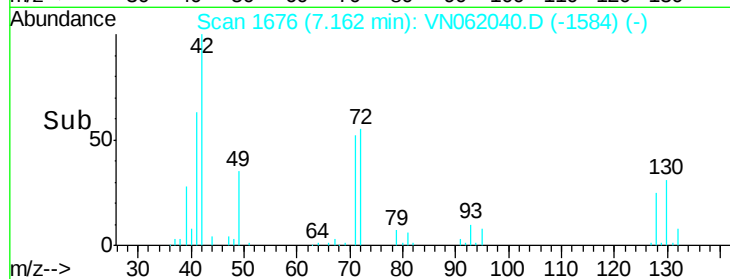
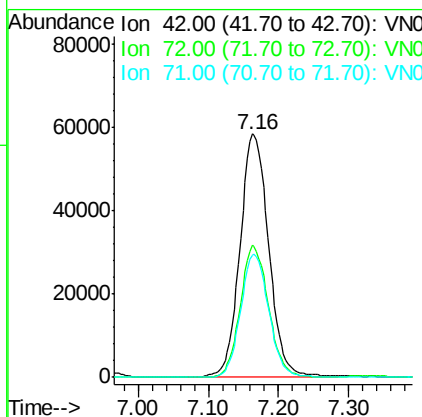
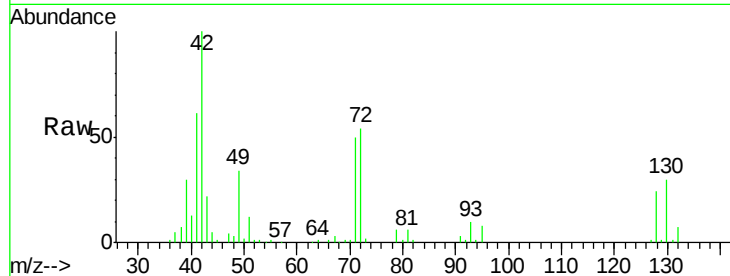
#29
Tetrahydrofuran
Concen: 290.543 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.9	44.0	66.0
71	49.2	40.0	60.0

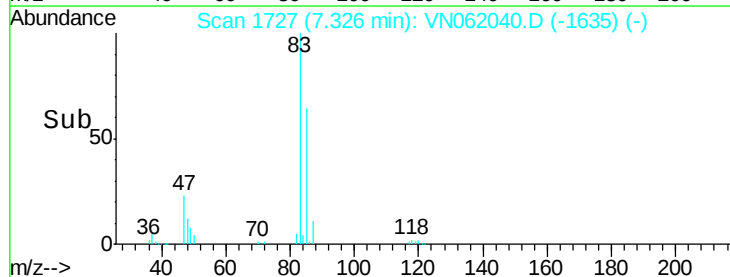
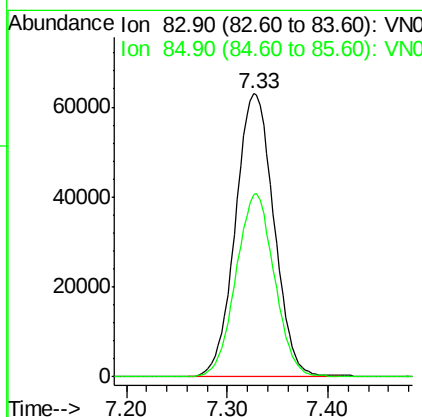
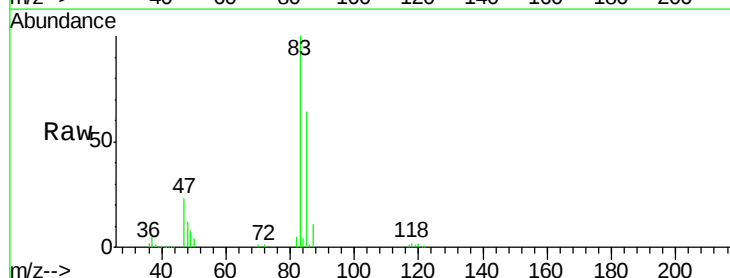
Manual Integrations
APPROVED

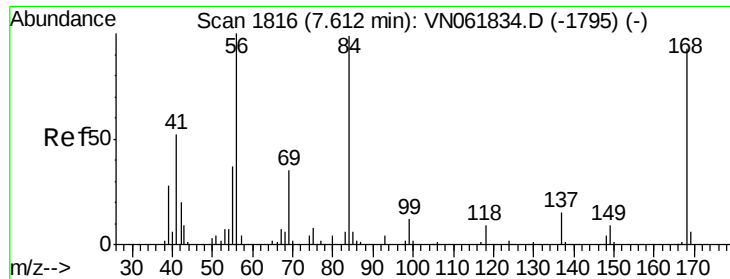
MMDadoda
6/23/2020 12:44:54 PM



#30
Chloroform
Concen: 51.288 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.0	78.0





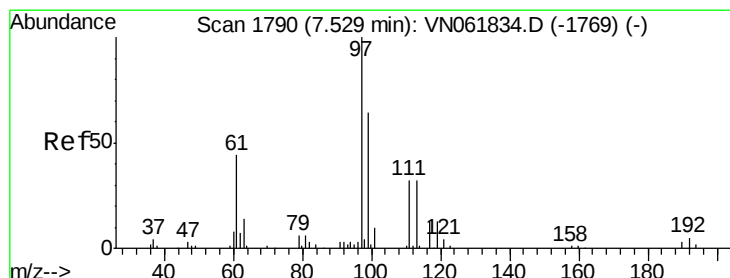
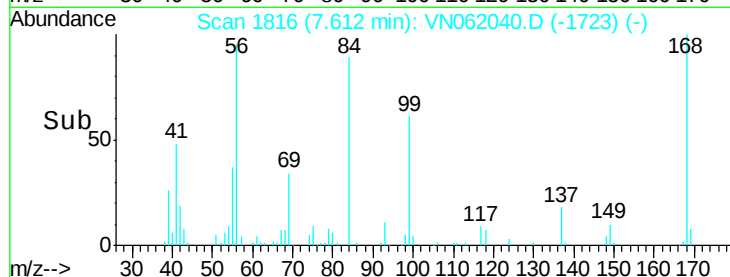
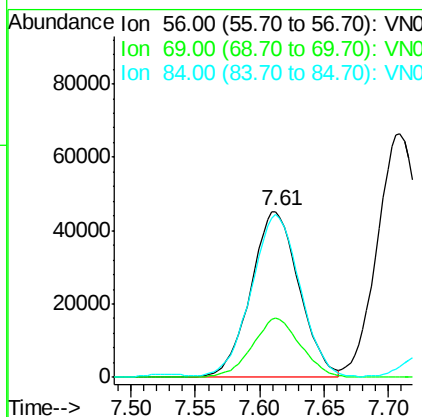
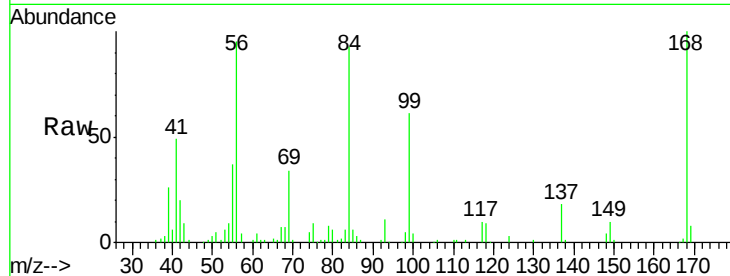
#31
Cyclohexane
Concen: 44.263 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	27.7	41.5
84	96.7	79.1	118.7

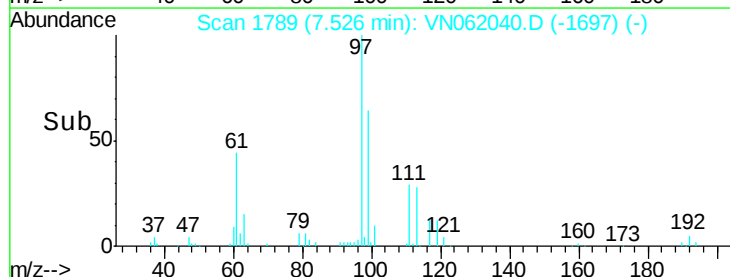
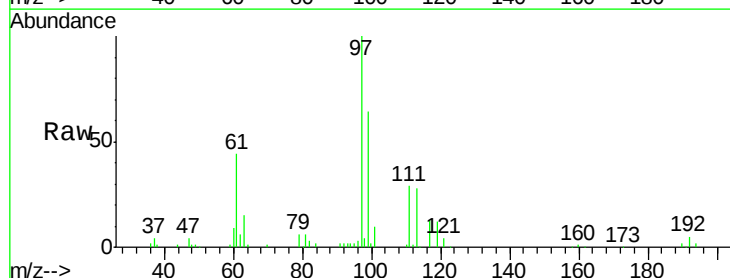
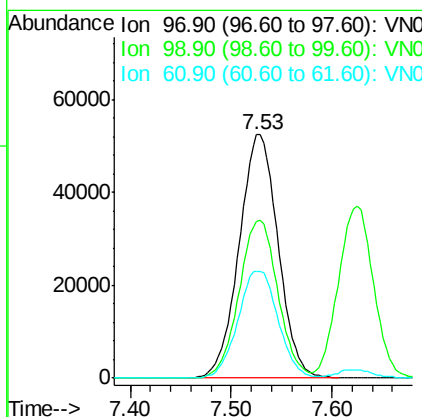
Manual Integrations
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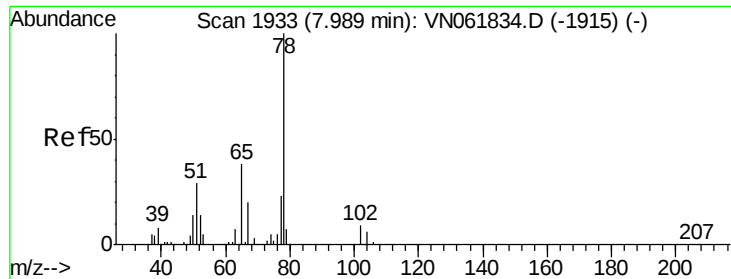
MMDadoda
6/23/2020 12:44:54 PM



#32
1,1,1-Trichloroethane
Concen: 50.807 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	45.3	35.1	52.7





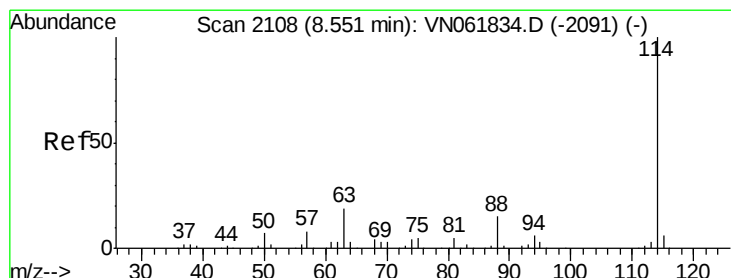
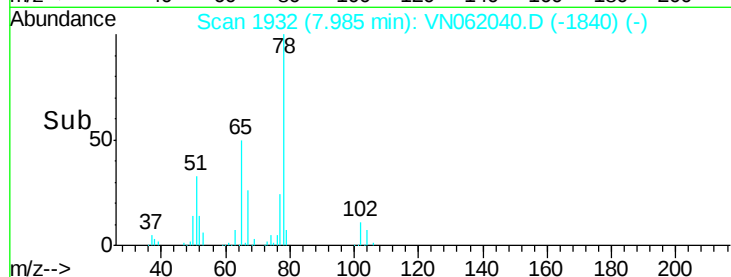
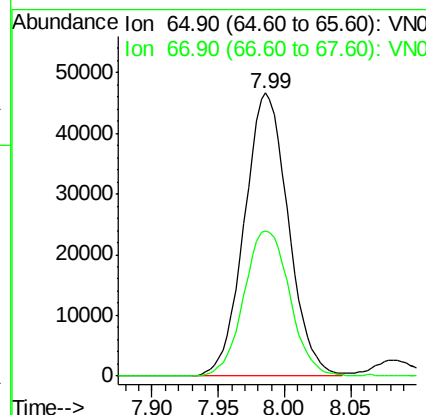
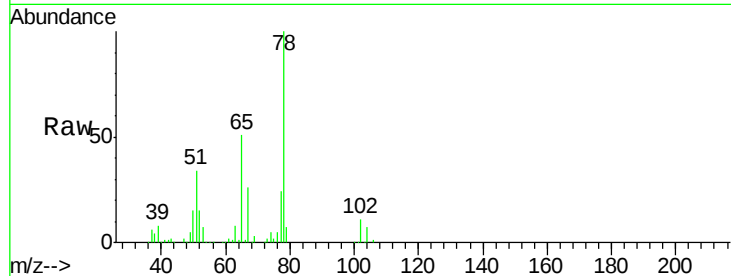
#33
 1,2-Dichloroethane-d4
 Concen: 53.267 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107698		
67	53.4	0.0	106.2	

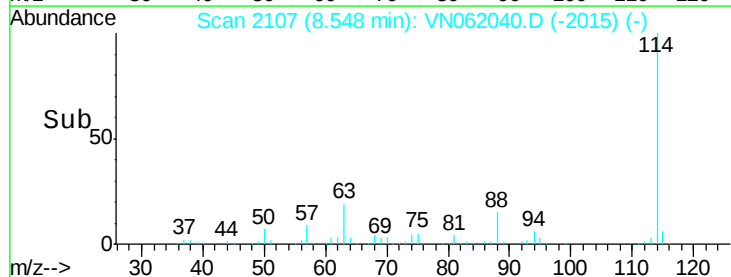
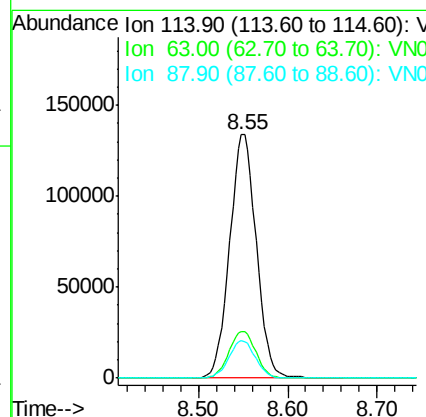
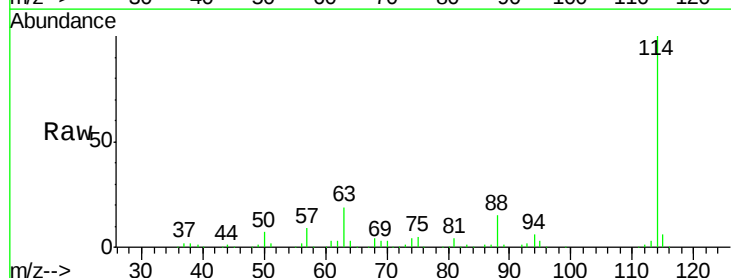
Manual Integrations
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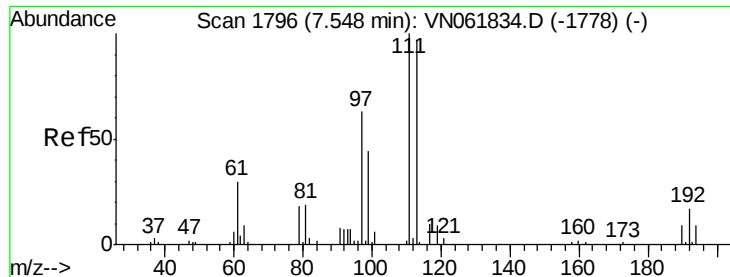
MMDadoda
 6/23/2020 12:44:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	277084		
63	19.1	0.0	37.6	
88	15.4	0.0	31.0	





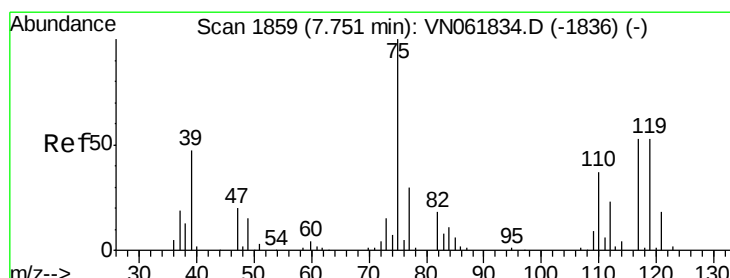
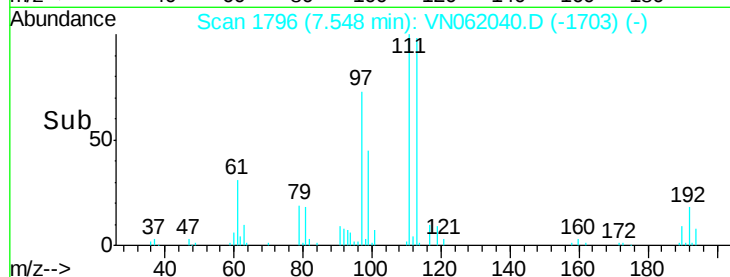
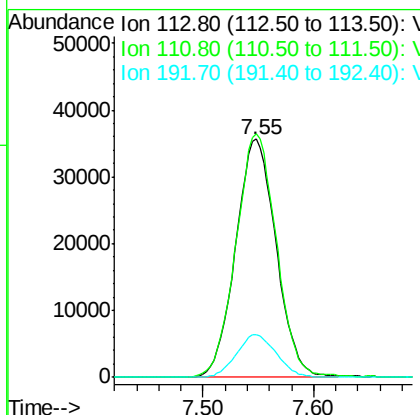
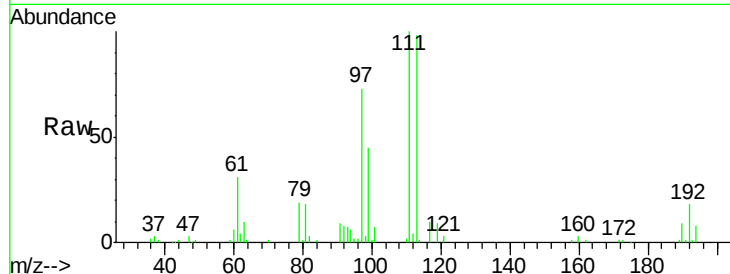
#35
Dibromofluoromethane
Concen: 51.107 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90595		
111	102.3		83.7	125.5
192	17.6		13.9	20.9

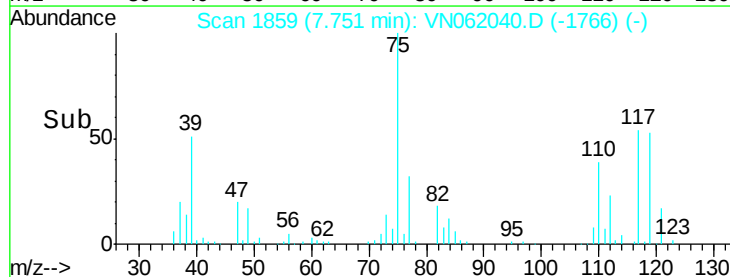
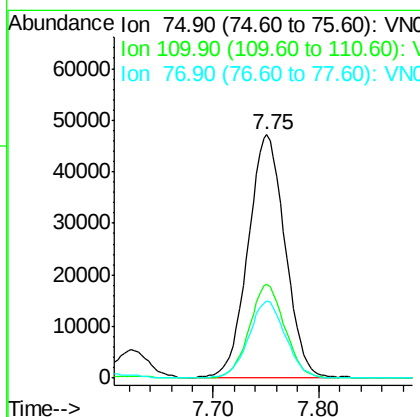
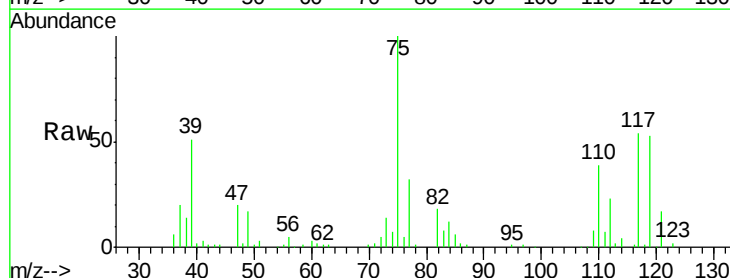
Manual Integrations
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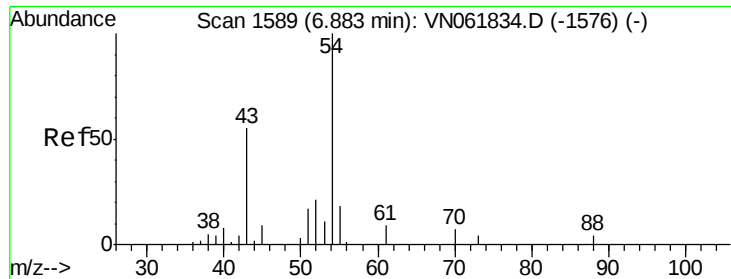
MMDadoda
6/23/2020 12:44:54 PM



#36
1,1-Dichloropropene
Concen: 45.717 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115542		
110	36.7		18.2	54.6
77	31.4		24.2	36.4





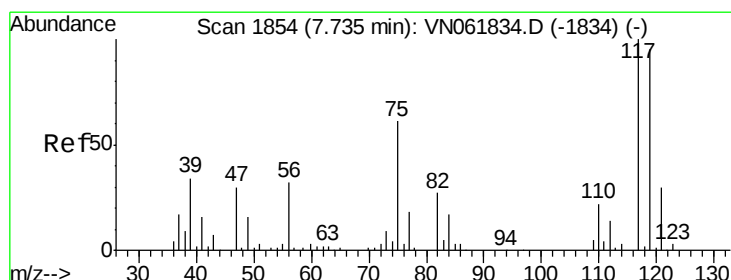
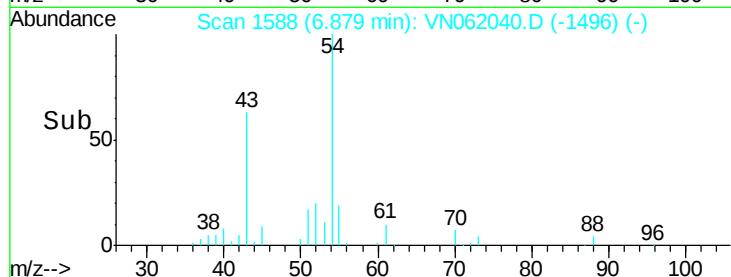
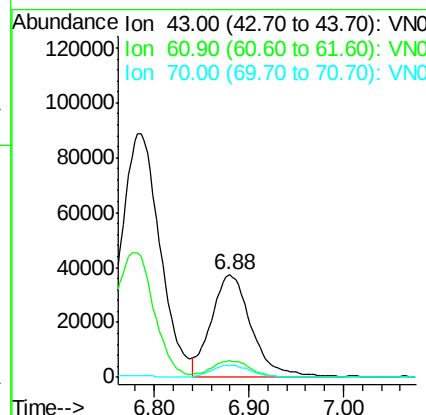
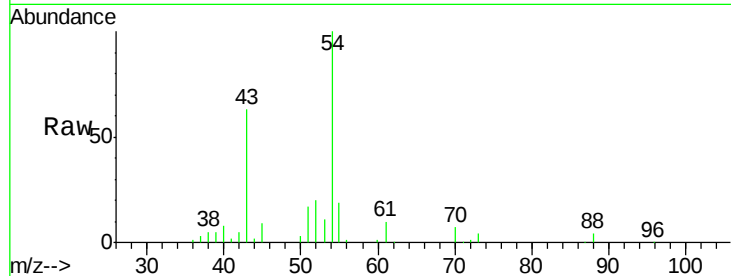
#37
Ethyl Acetate
Concen: 54.957 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.0	19.4
70	11.6	9.4	14.2

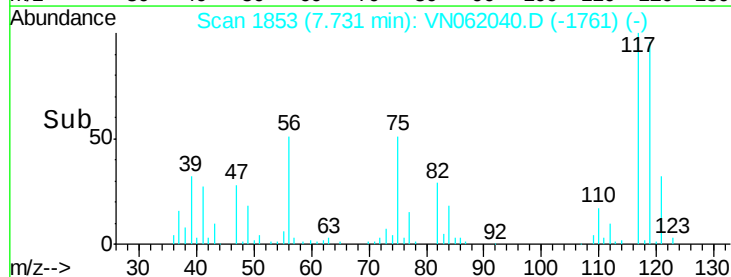
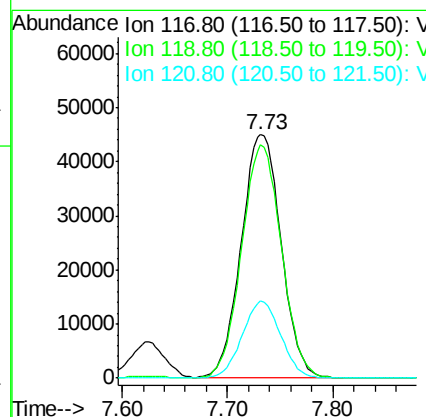
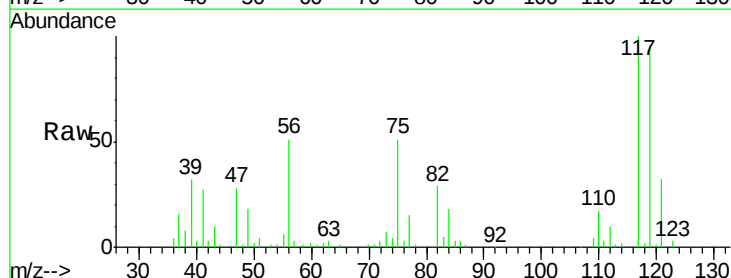
Manual Integrations
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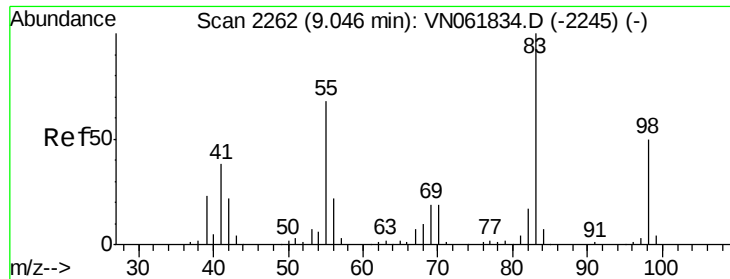
MMDadoda
6/23/2020 12:44:54 PM



#38
Carbon Tetrachloride
Concen: 47.344 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.8	113.6
121	31.5	23.8	35.6





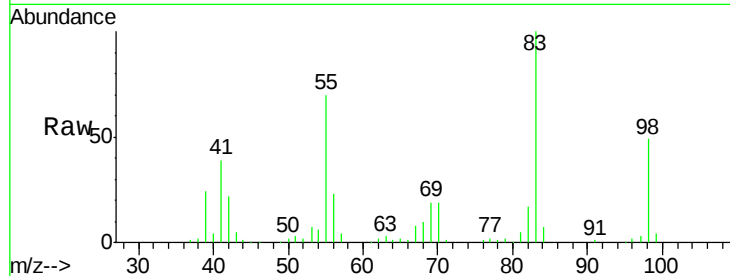
#39
Methvlcvclohexane
Concen: 44.064 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.3	54.2	81.4	
98	49.4	39.8	59.6	

Manual Integrations
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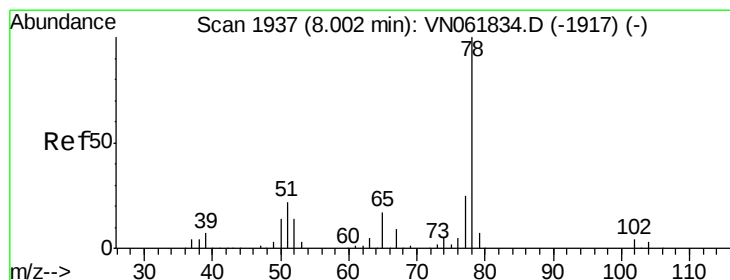
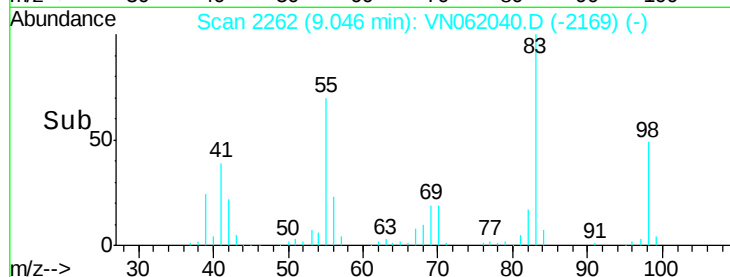
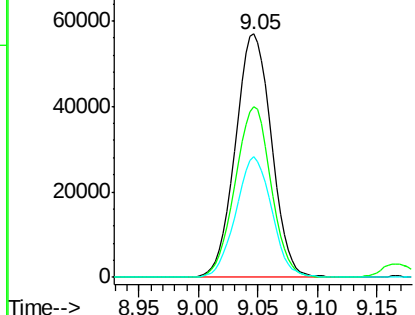
MMDadoda
6/23/2020 12:44:54 PM



Abundance Ion 83.00 (82.70 to 83.70): VN061834.D (-2245) (-)

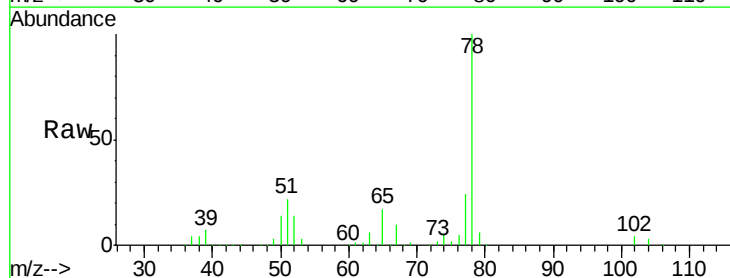
Ion 55.00 (54.70 to 55.70): VN061834.D (-2245) (-)

Ion 98.00 (97.70 to 98.70): VN061834.D (-2245) (-)



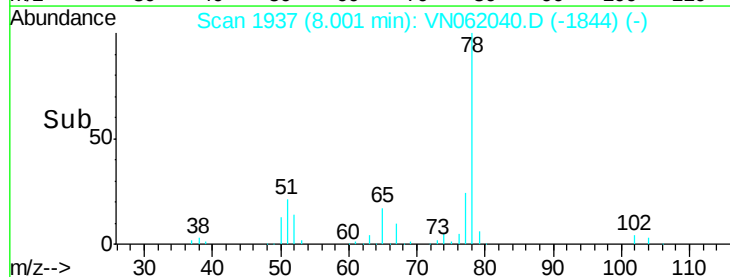
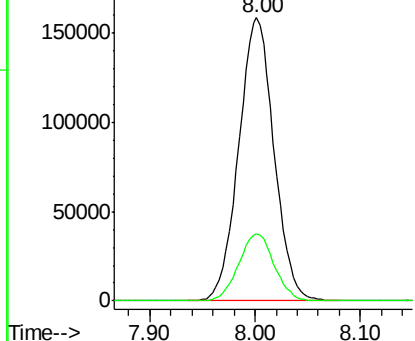
#40
Benzene
Concen: 48.033 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

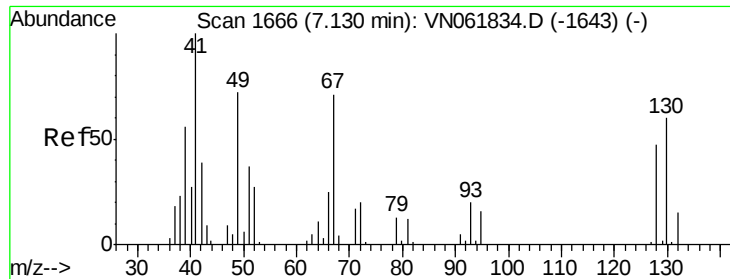
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.7	29.5	



Abundance Ion 78.00 (77.70 to 78.70): VN061834.D (-1917) (-)

Ion 77.00 (76.70 to 77.70): VN061834.D (-1917) (-)





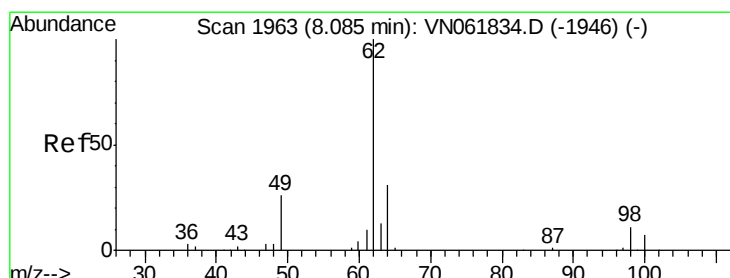
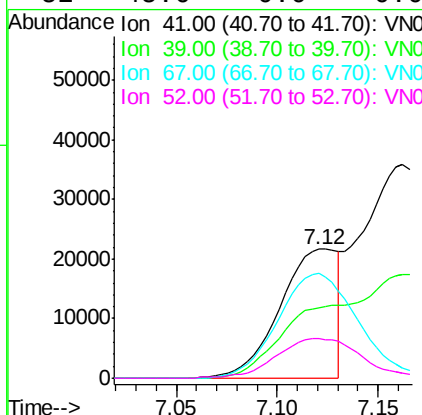
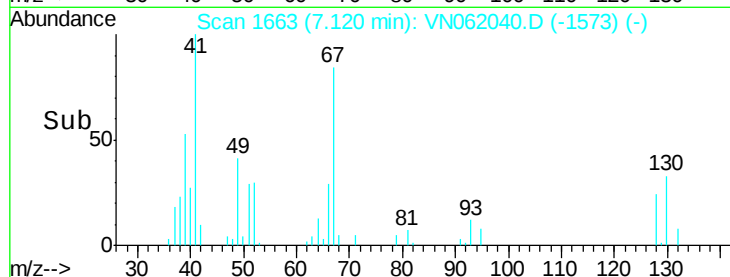
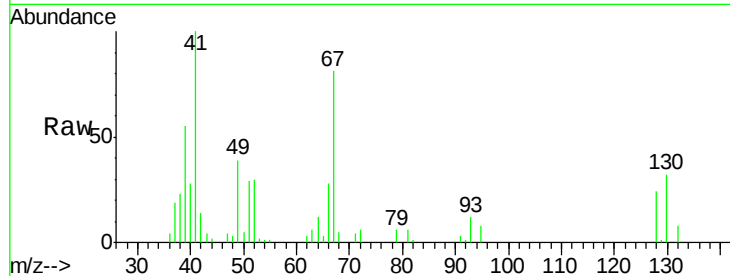
#41
Methacrylonitrile
Concen: 51.017 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	43055
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	113.4	0.0	0.0#
52	45.6	0.0	0.0#

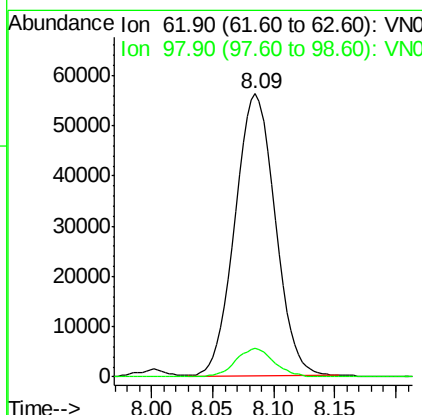
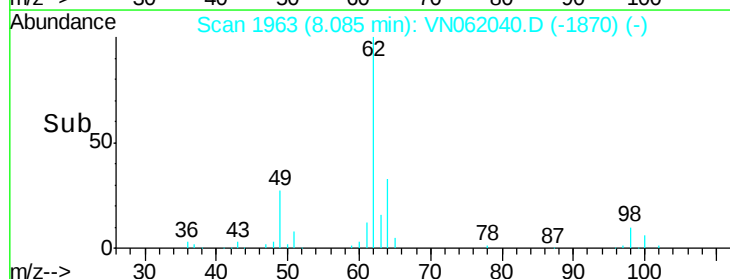
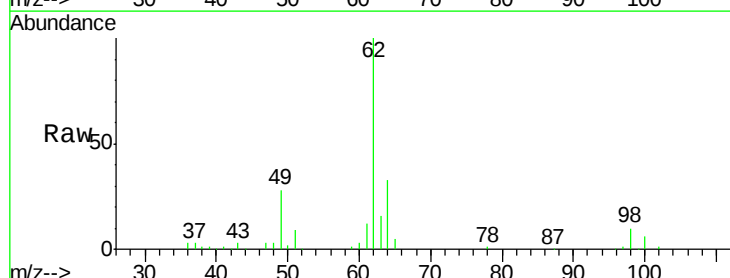
Manual Integrations
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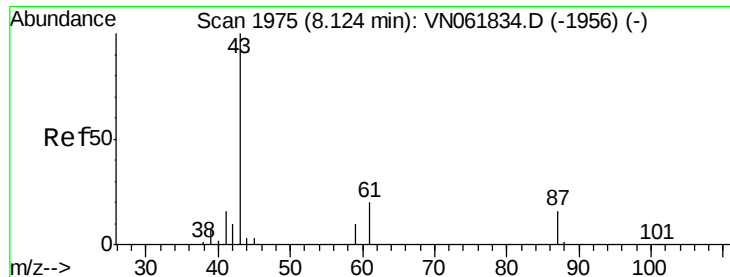
MMDadoda
6/23/2020 12:44:54 PM



#42
1,2-Dichloroethane
Concen: 49.276 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	62	Resp	128632
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	20.4





#43

Isopropyl Acetate

Concen: 53.881 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

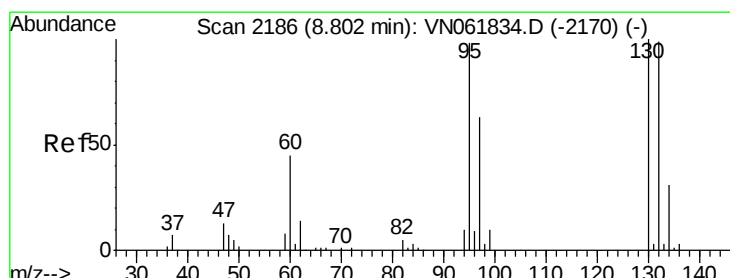
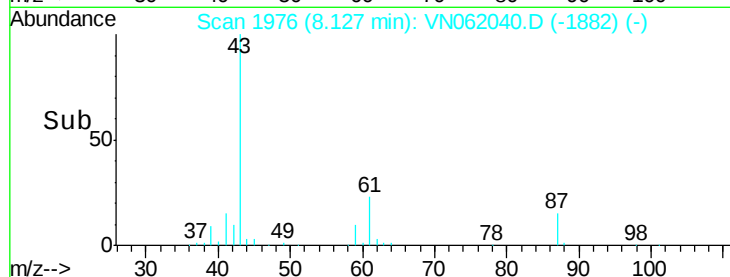
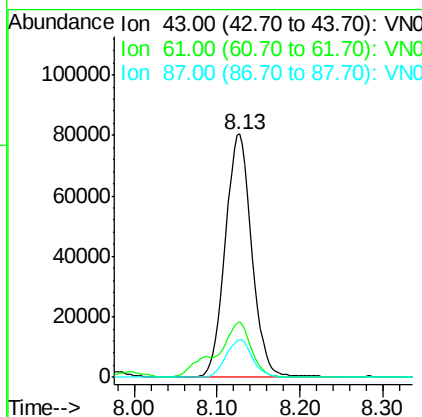
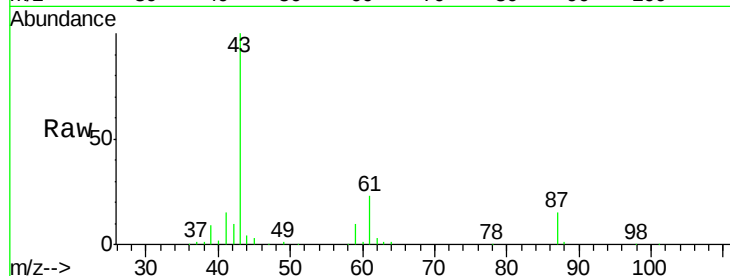
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	179205
Ion Ratio	Lower	Upper	
43	100		
61	22.2	24.0	36.0#
87	15.3	12.5	18.7

Manual Integrations
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#44

Trichloroethene

Concen: 48.332 ug/l

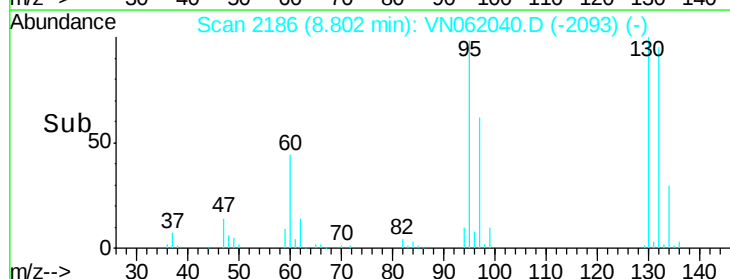
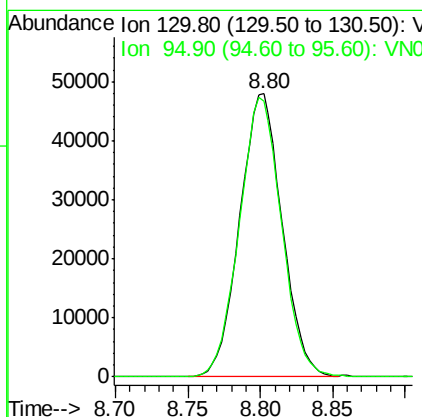
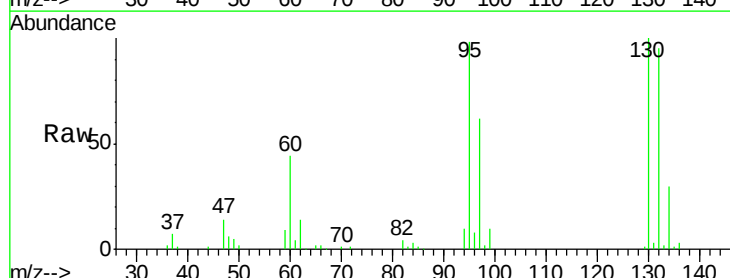
RT: 8.80 min Scan# 2186

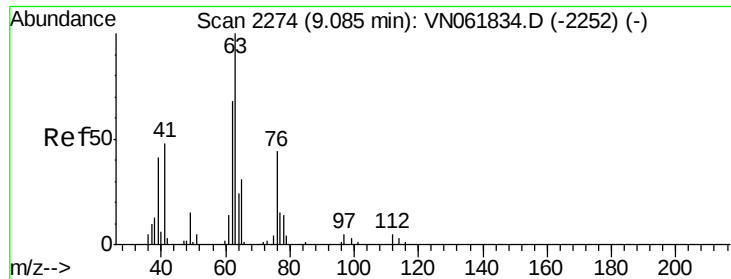
Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Tgt Ion:	130	Resp:	97381
Ion Ratio	Lower	Upper	
130	100		
95	97.5	0.0	195.6





#45

1,2-Dichloropropane

Concen: 50.921 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 95804

Ion Ratio Lower Upper

63 100

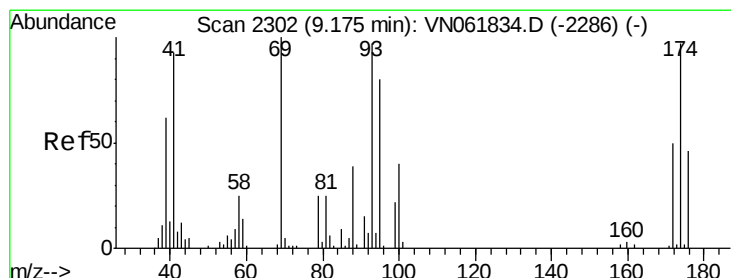
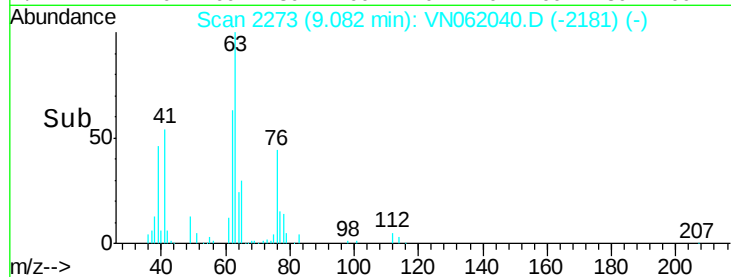
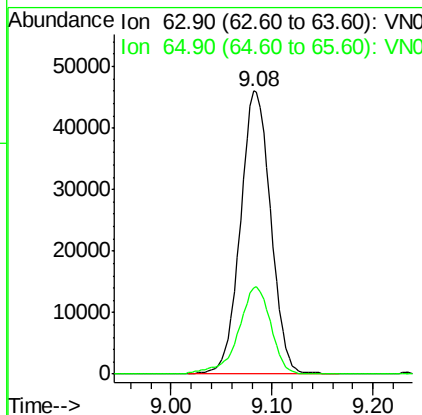
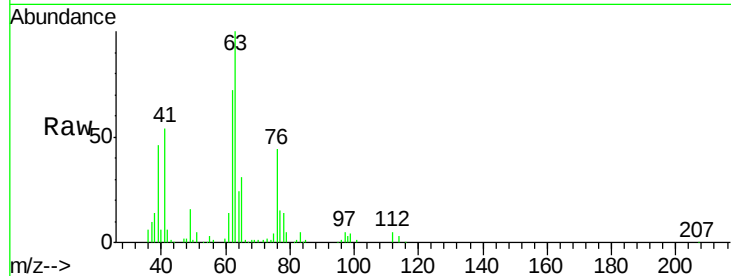
65 30.7 25.1 37.7

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#46

Dibromomethane

Concen: 48.663 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

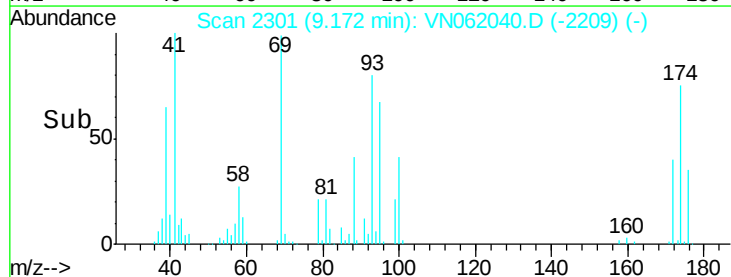
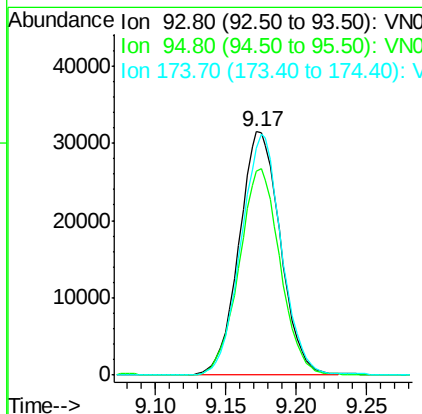
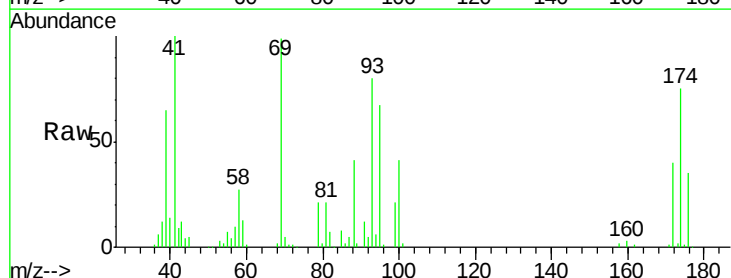
Tgt Ion: 93 Resp: 64473

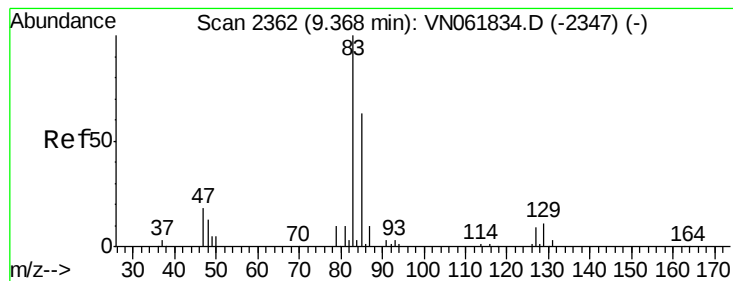
Ion Ratio Lower Upper

93 100

95 84.0 65.8 98.6

174 96.7 78.5 117.7





#47

Bromodichloromethane

Concen: 50.553 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

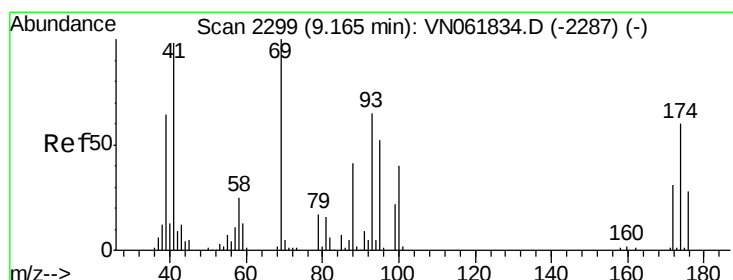
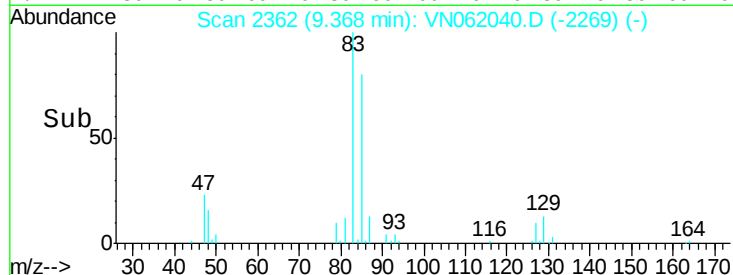
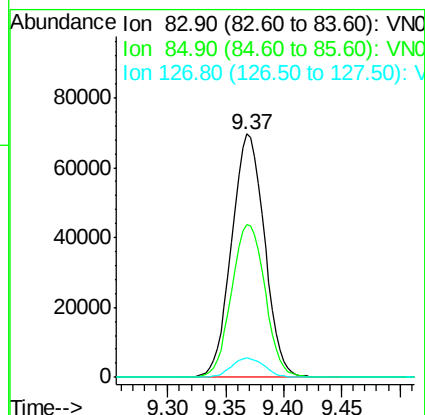
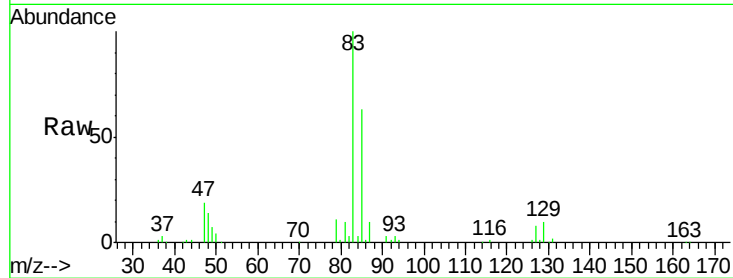
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	137145
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.8	76.2
127	7.9	7.0	10.4

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#48

Methyl methacrylate

Concen: 53.714 ug/l

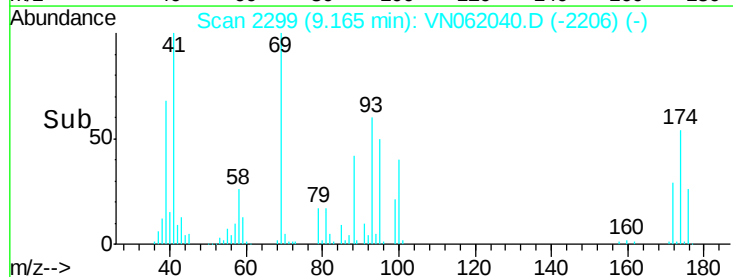
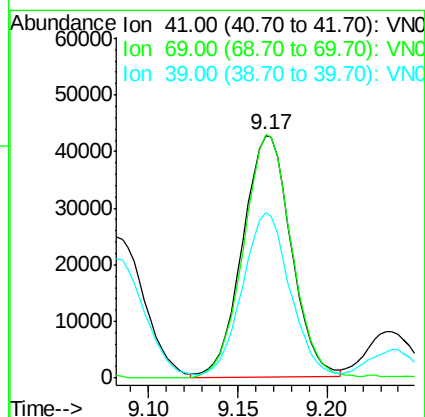
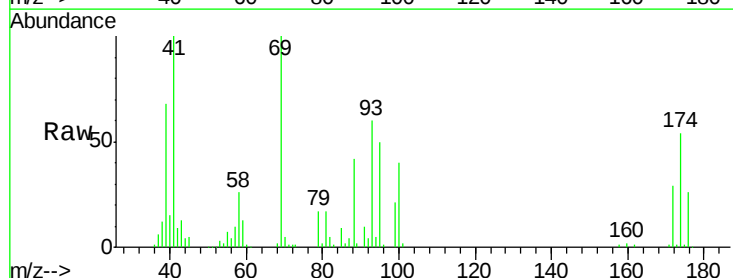
RT: 9.17 min Scan# 2299

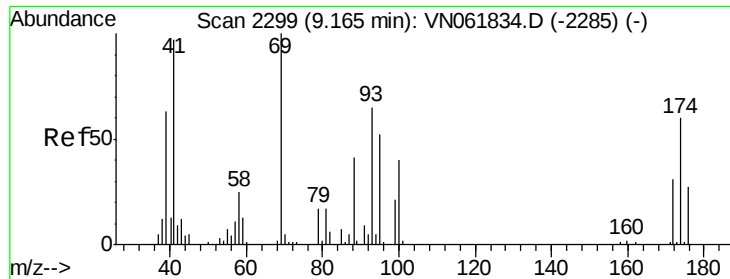
Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Tgt Ion:	41	Resp:	81244
Ion Ratio	Lower	Upper	
41	100		
69	99.7	83.0	124.4
39	67.2	55.1	82.7





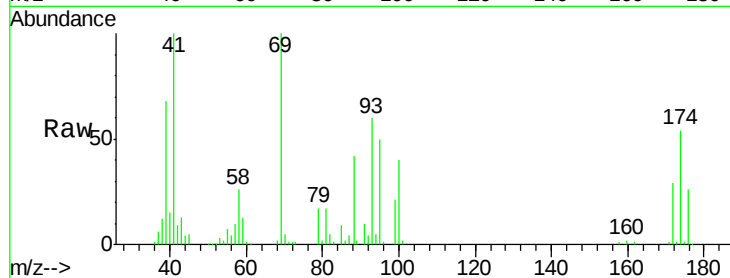
#49
1,4-Dioxane
Concen: 1070.243 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	23.4	35.2
58	62.1	49.8	74.6

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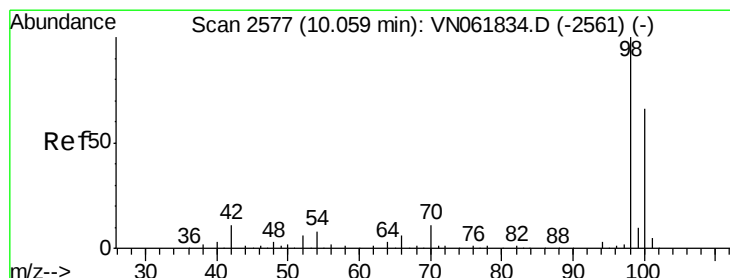
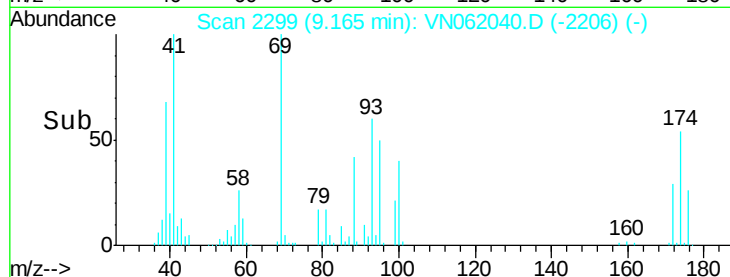
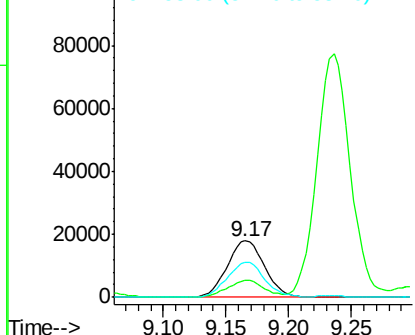
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Abundance Ion 88.00 (87.70 to 88.70): VN061834.D (-2285) (-)

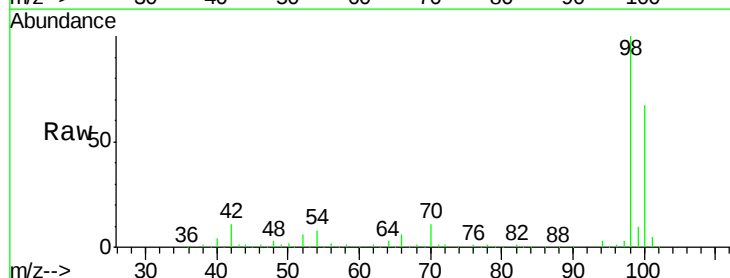
Ion 43.00 (42.70 to 43.70): VN061834.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2285) (-)



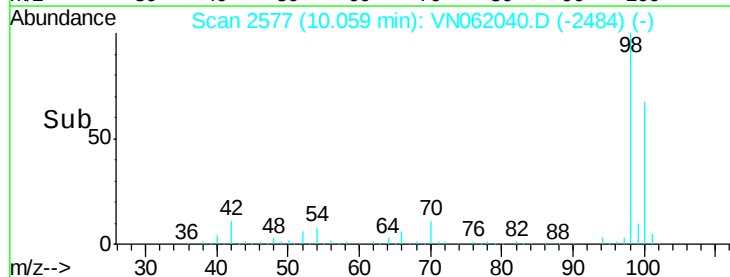
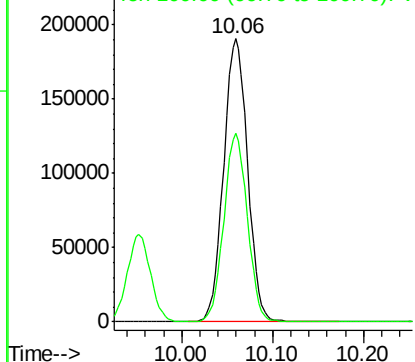
#50
Toluene-d8
Concen: 50.105 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

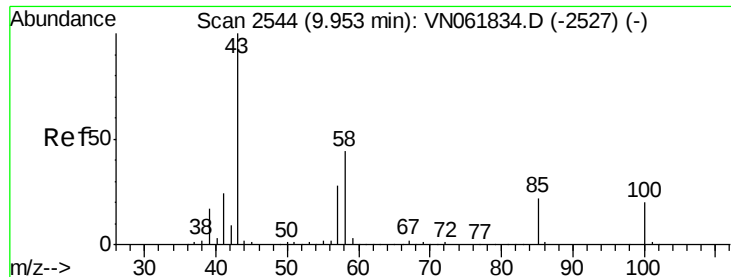
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)





#51

4-Methyl-2-Pentanone

Concen: 278.307 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 546992

Ion Ratio Lower Upper

43 100

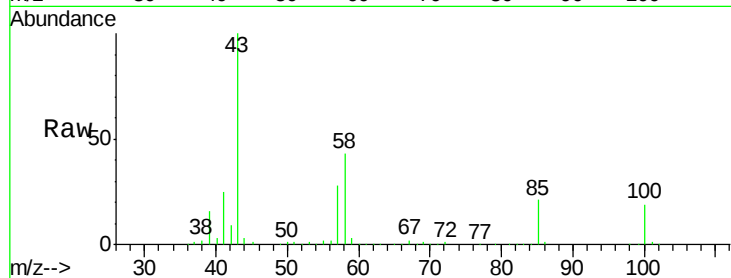
58 42.9 34.6 52.0

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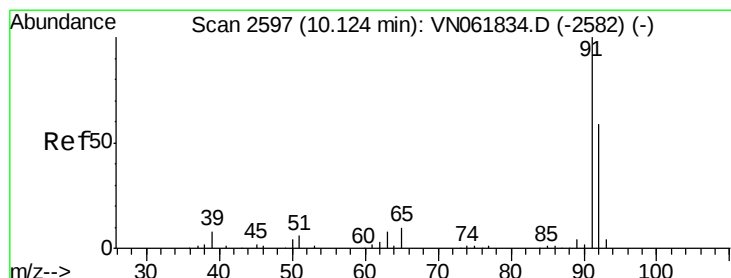
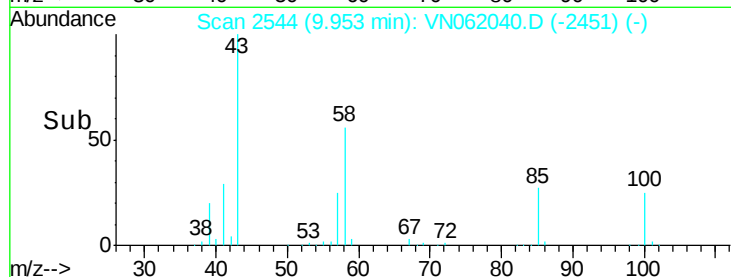
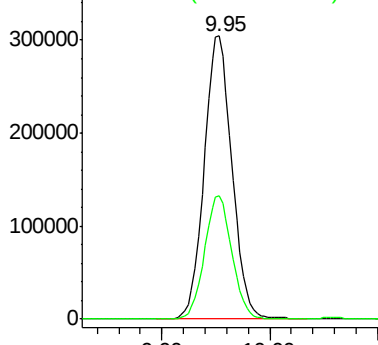
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.510 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062040.D

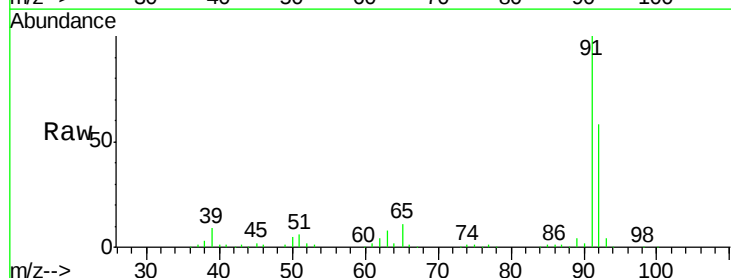
Acq: 23 Jun 2020 8:47

Tgt Ion: 92 Resp: 238047

Ion Ratio Lower Upper

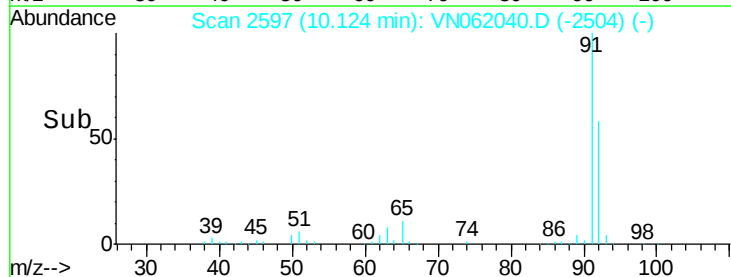
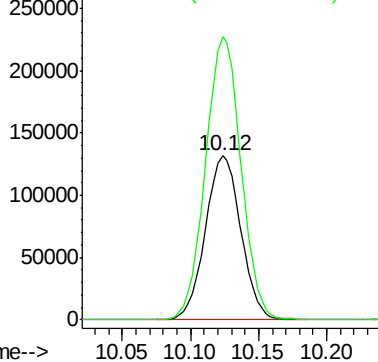
92 100

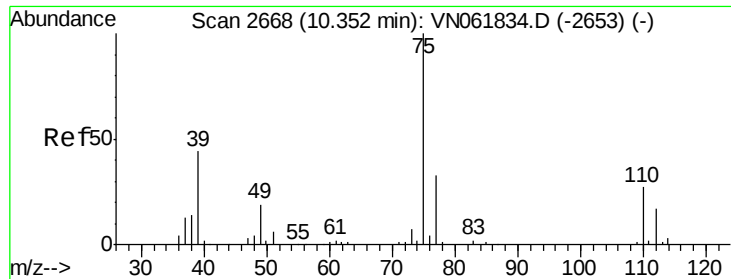
91 172.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





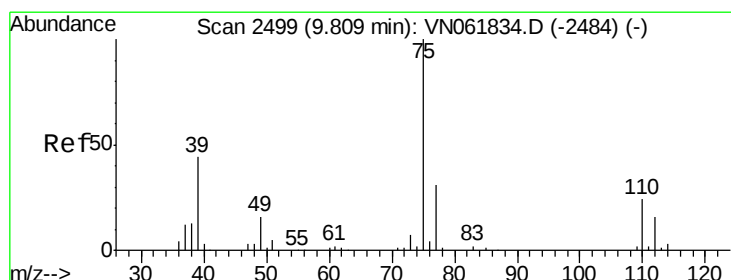
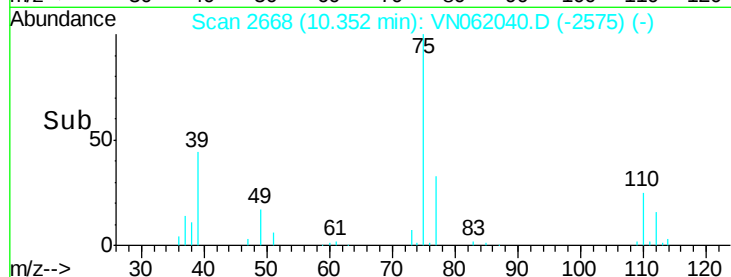
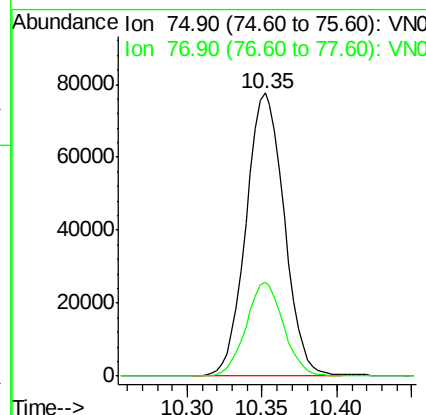
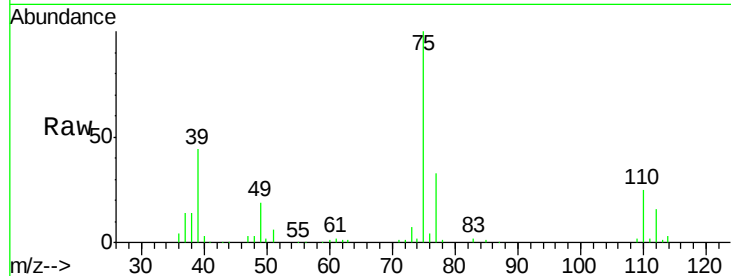
#53
 t-1,3-Dichloropropene
 Concen: 47.955 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 138109
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.3 39.5

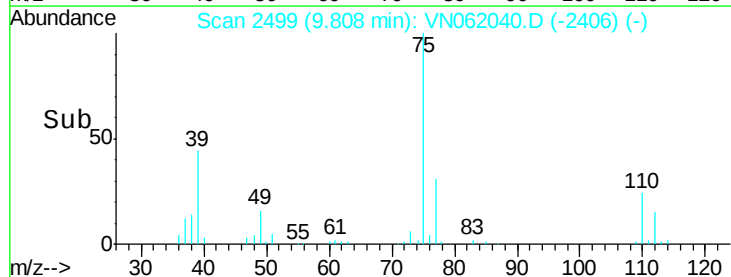
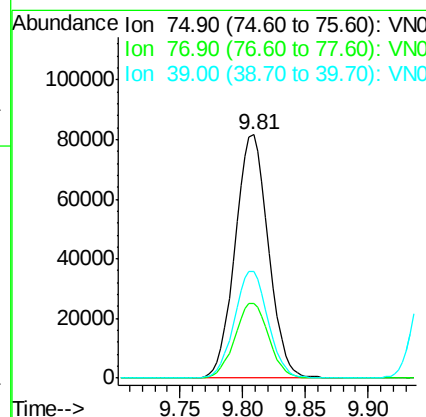
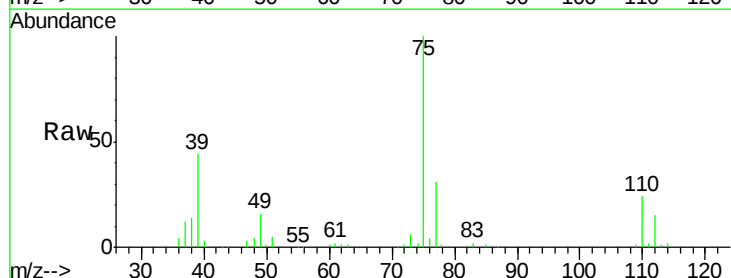
Manual Integrations
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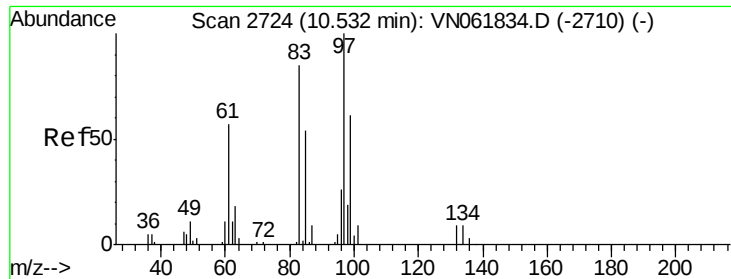
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#54
 cis-1,3-Dichloropropene
 Concen: 48.070 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion: 75 Resp: 150365
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.8 37.2
 39 43.9 35.4 53.0





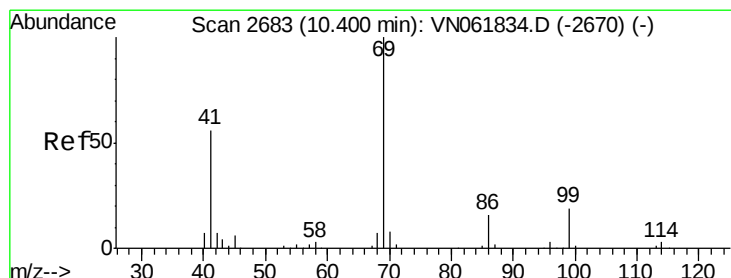
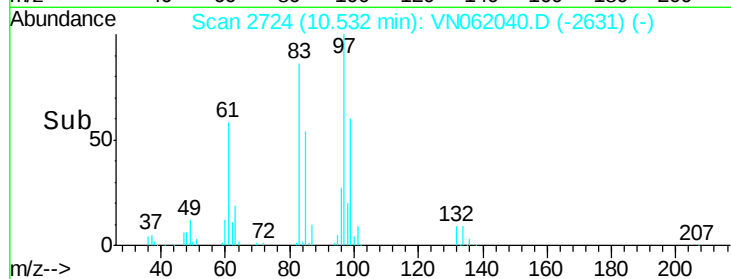
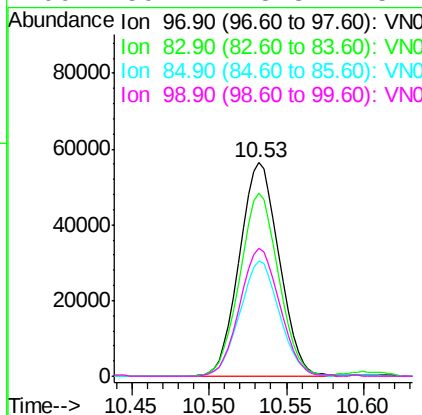
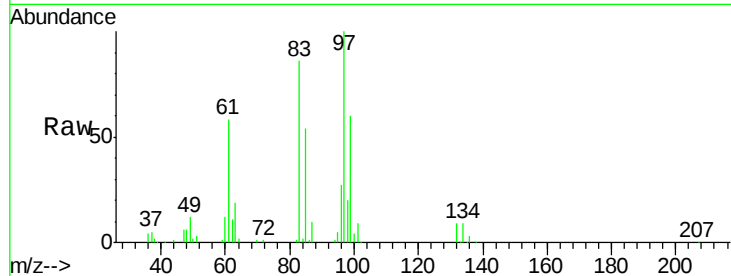
#55
 1,1,2-Trichloroethane
 Concen: 53.400 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	101018
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.7	101.5
85	53.8	43.4	65.0
99	59.7	48.8	73.2

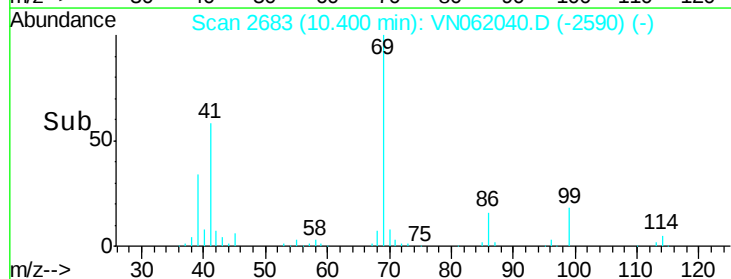
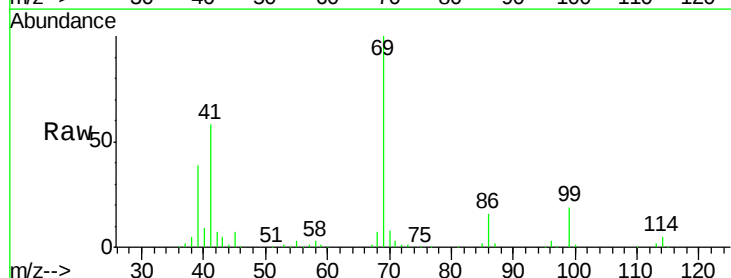
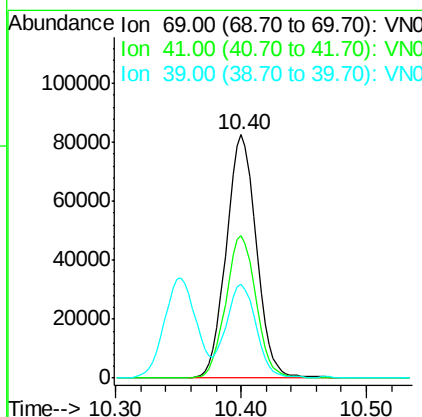
Manual Integrations
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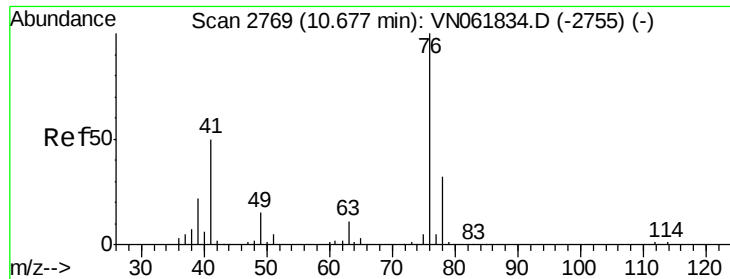
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 6/23/2020 12:44:54 PM



#56
 Ethyl methacrylate
 Concen: 47.907 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion:	69	Resp:	138058
Ion	Ratio	Lower	Upper
69	100		
41	58.2	44.9	67.3
39	37.7	30.0	45.0





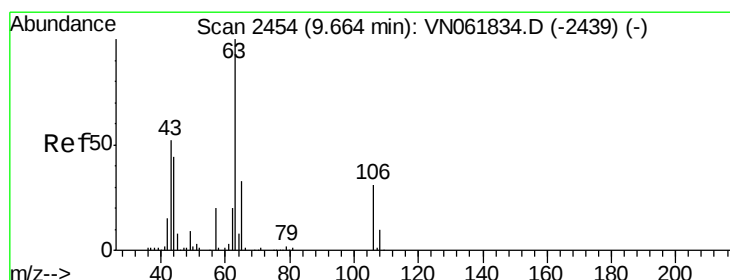
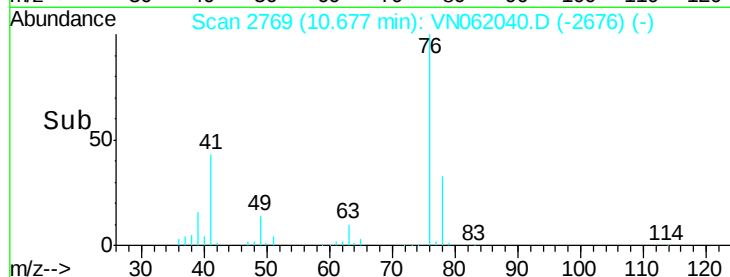
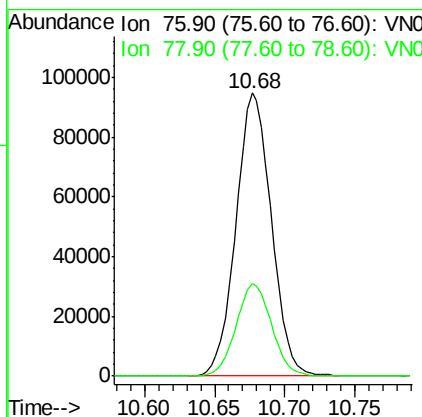
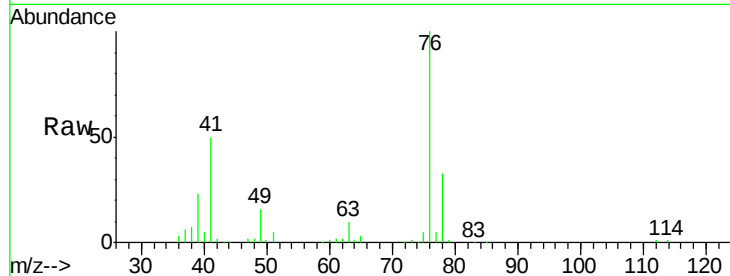
#57
 1,3-Dichloropropane
 Concen: 52.051 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 166816
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

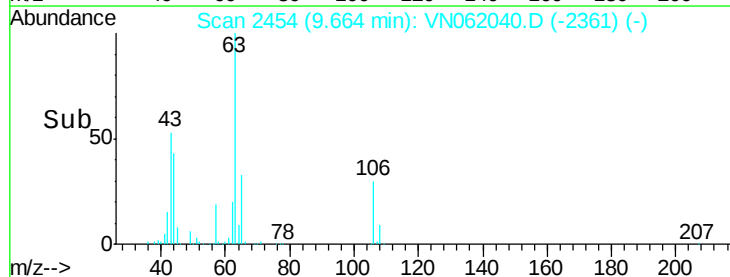
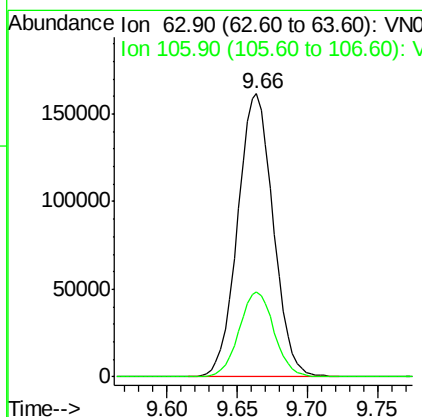
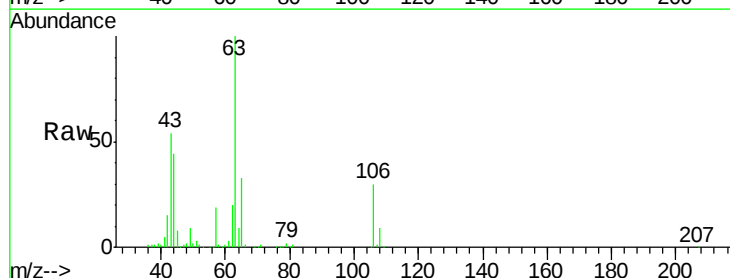
Manual Integrations
 APPROVED

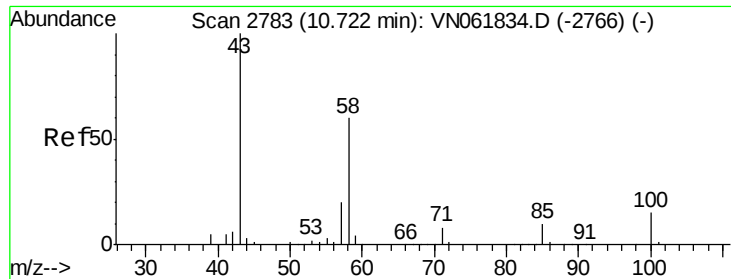
MMDadoda
 6/23/2020 12:44:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.226 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion: 63 Resp: 285766
 Ion Ratio Lower Upper
 63 100
 106 29.6 24.6 36.8





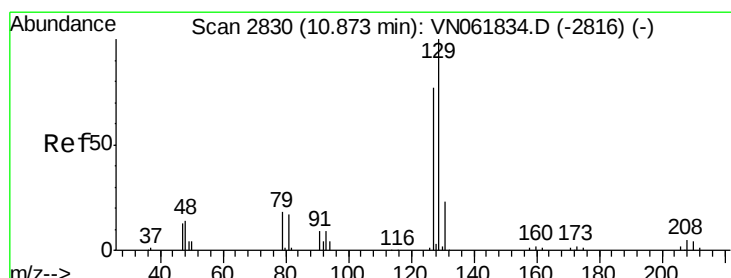
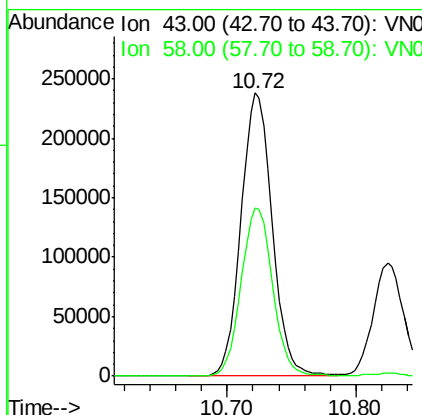
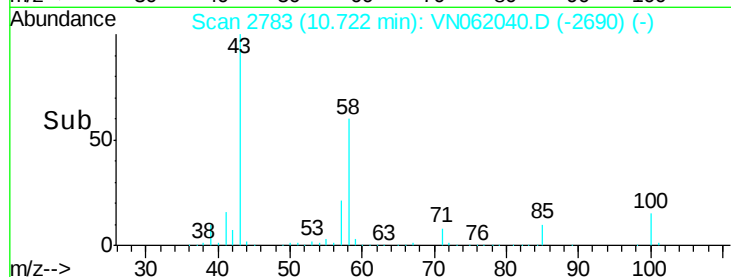
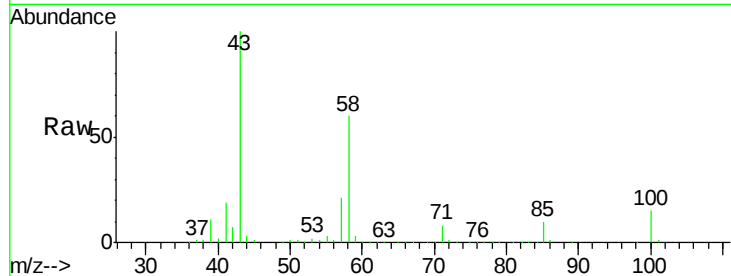
#59
2-Hexanone
Concen: 254.608 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 400196
Ion Ratio Lower Upper
43 100
58 60.2 30.1 90.5

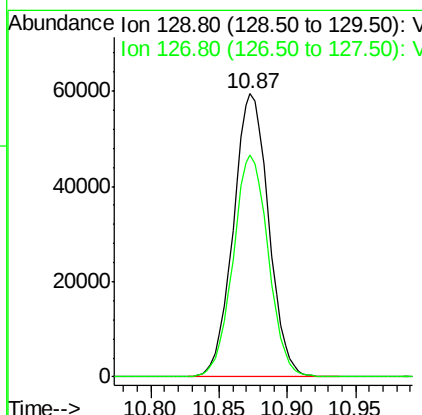
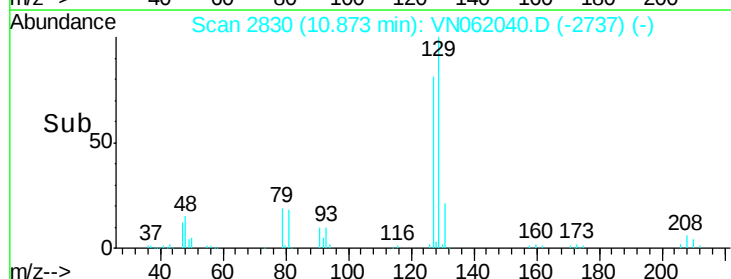
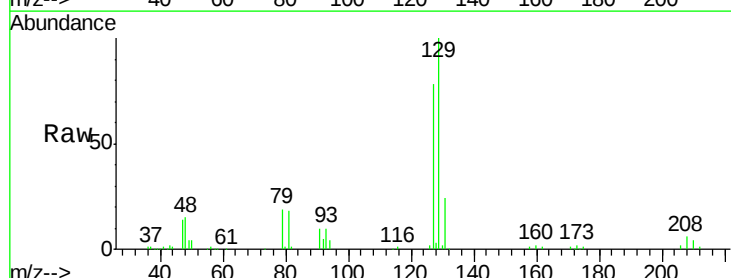
Manual Integrations
APPROVED

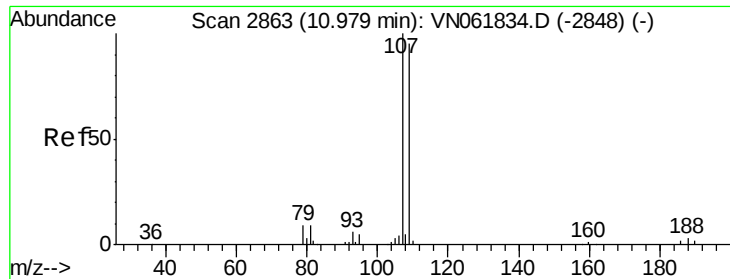
MMDadoda
6/23/2020 12:44:54 PM



#60
Dibromochloromethane
Concen: 50.650 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion: 129 Resp: 106916
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





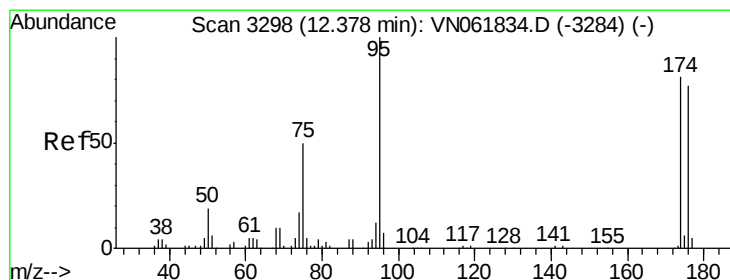
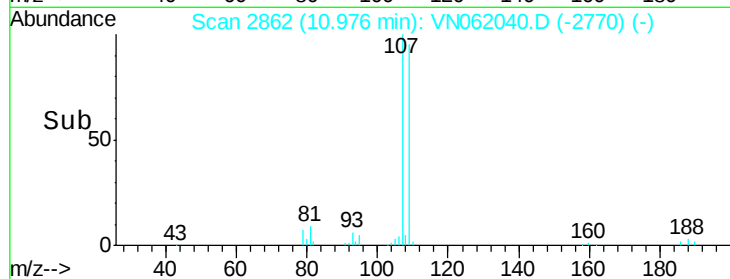
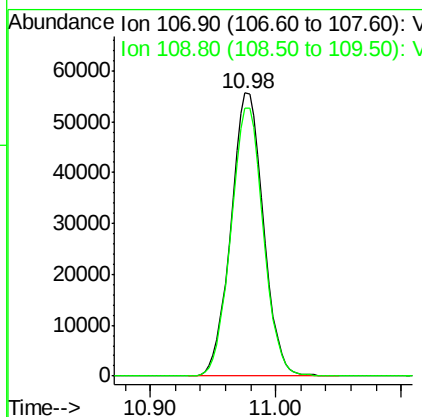
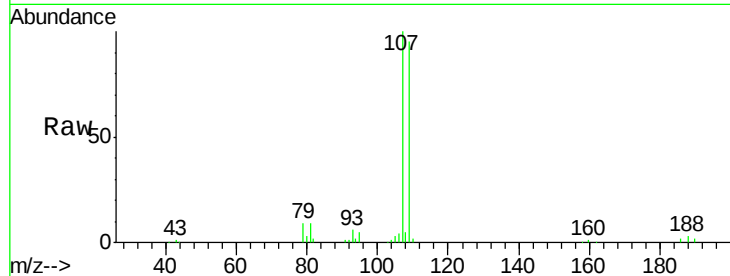
#61
 1,2-Dibromoethane
 Concen: 50.492 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.6

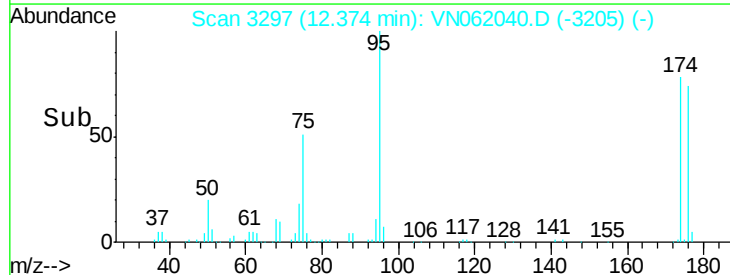
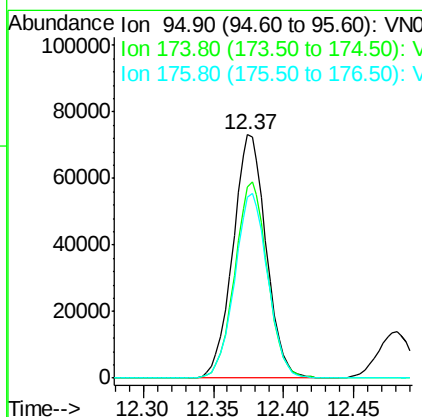
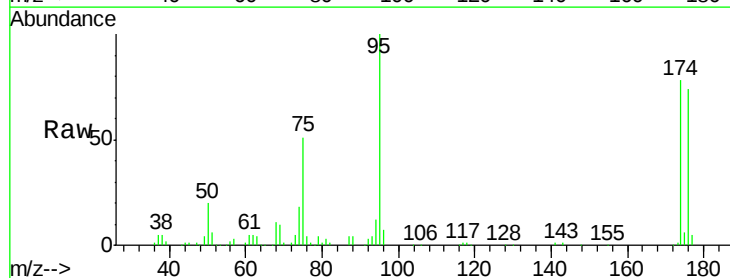
Manual Integrations
 APPROVED

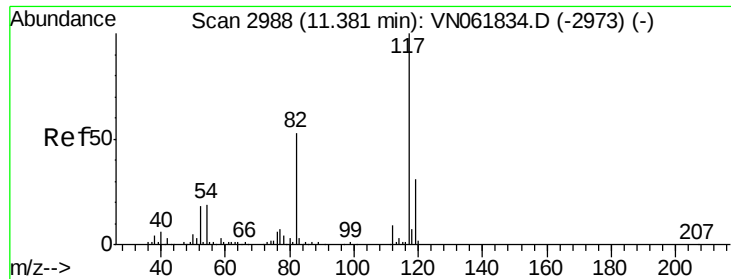
MMDadoda
 6/23/2020 12:44:54 PM



#62
 4-Bromofluorobenzene
 Concen: 50.420 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	158.6
176	75.6	0.0	152.0





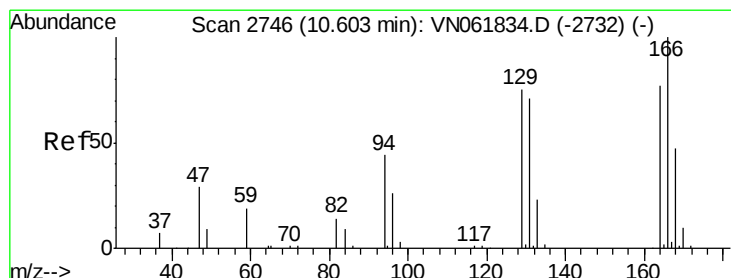
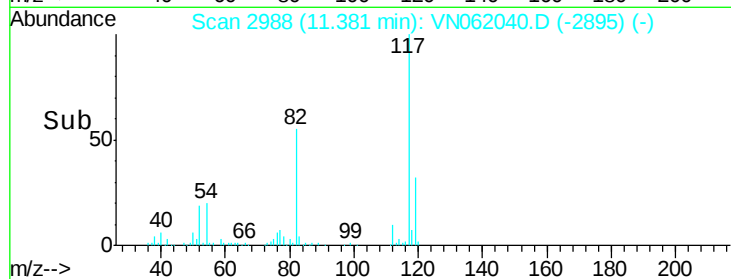
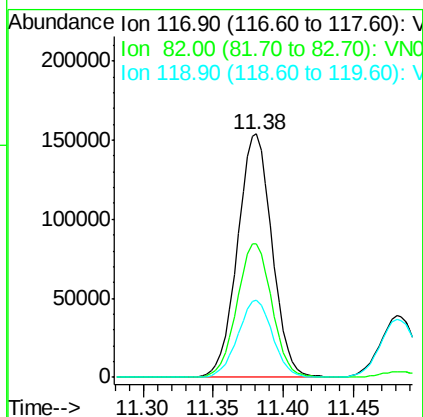
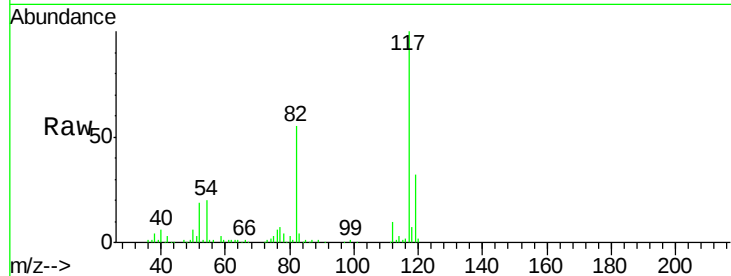
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.6	64.0
119	31.8	24.7	37.1

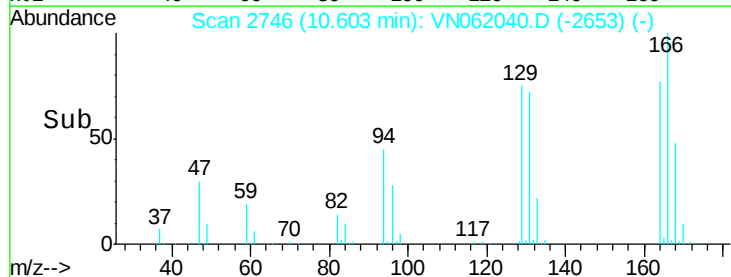
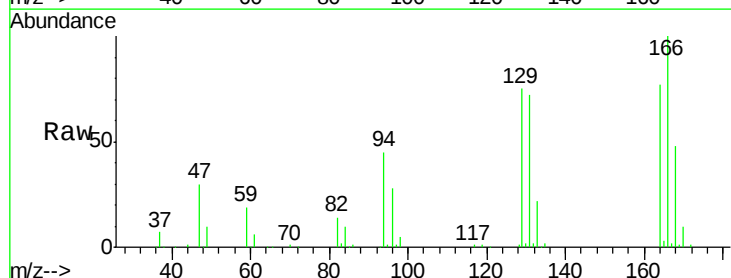
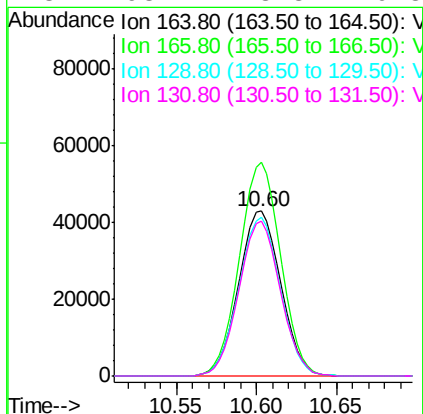
Manual Integrations
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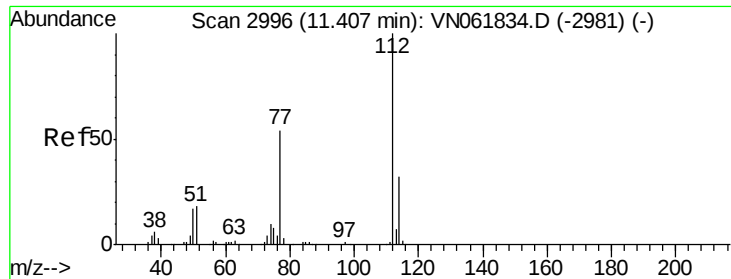
MMDadoda
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#64
Tetrachloroethene
Concen: 45.771 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.5	155.3
129	96.4	77.5	116.3
131	93.7	73.8	110.8





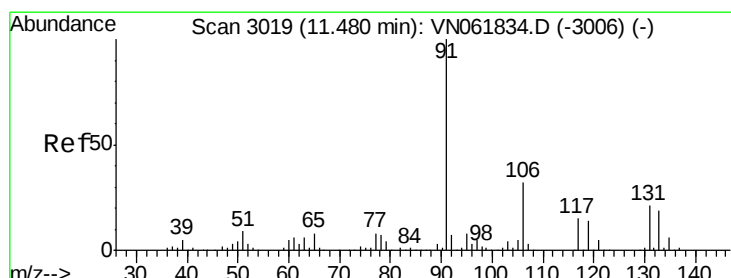
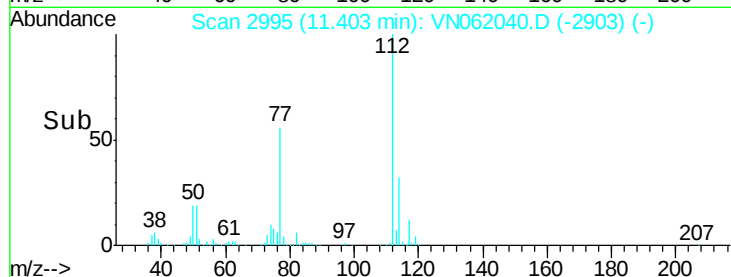
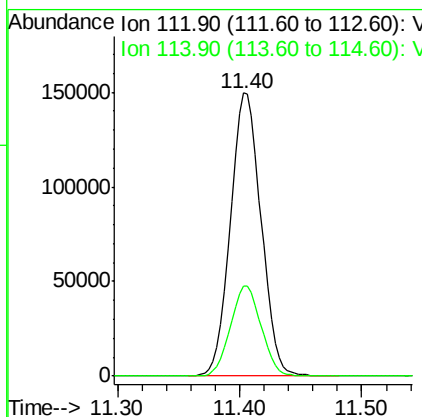
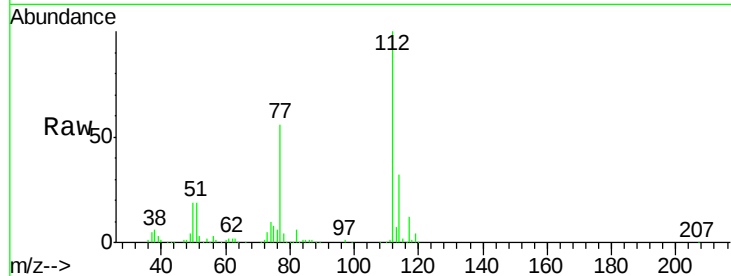
#65
Chlorobenzene
Concen: 46.911 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.6

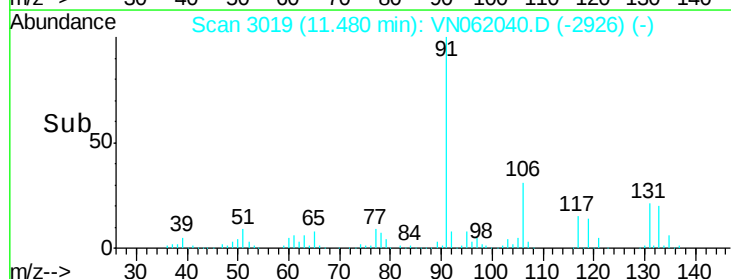
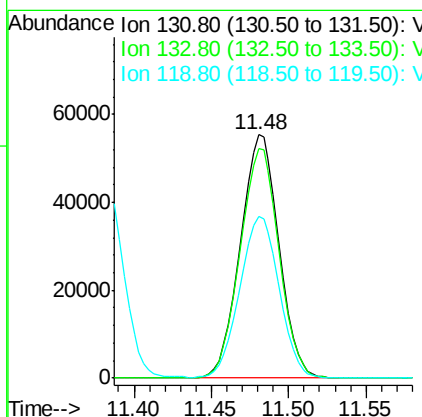
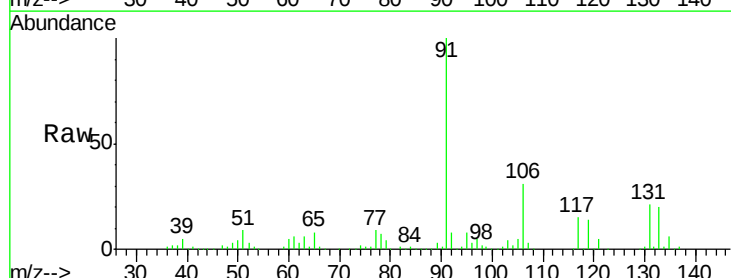
Manual Integrations
APPROVED

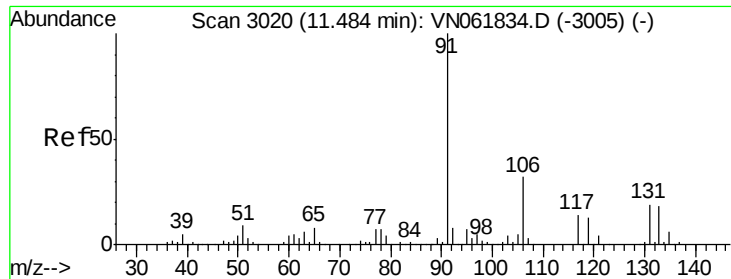
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6/23/2020 12:44:54 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.441 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.5	142.5
119	67.9	34.0	101.8





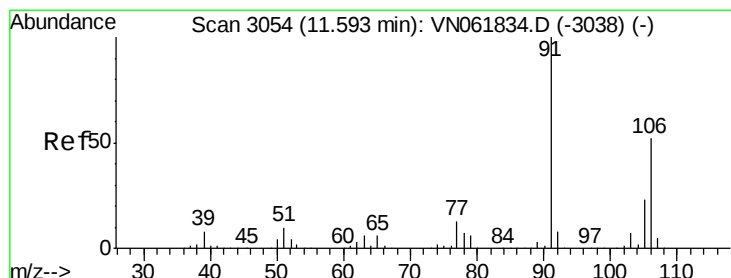
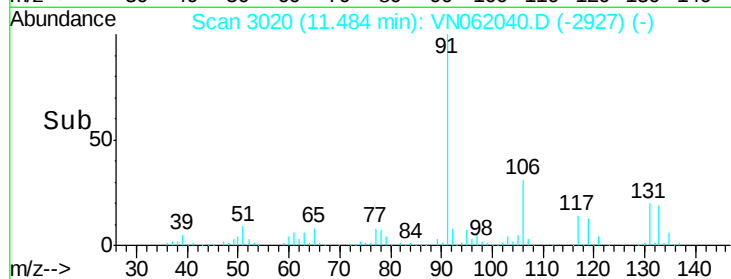
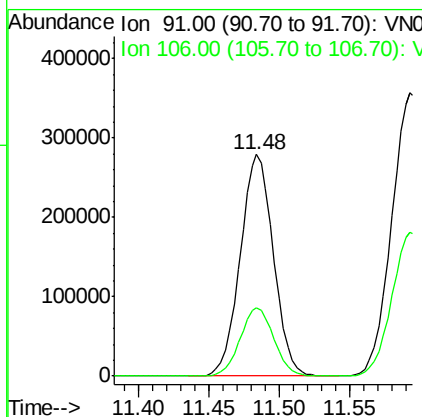
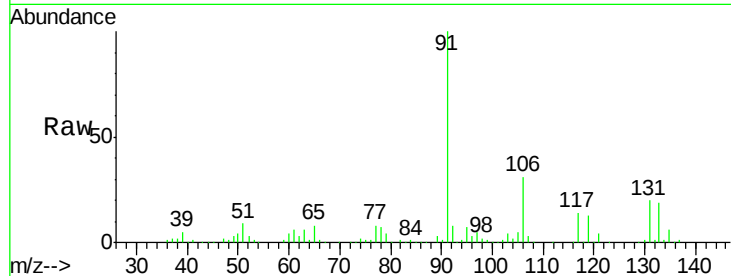
#67
Ethyl Benzene
Concen: 49.268 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 460133
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2

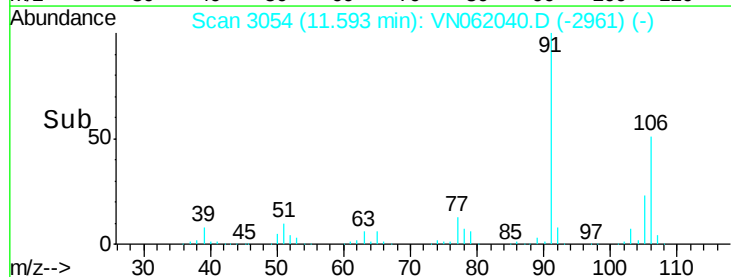
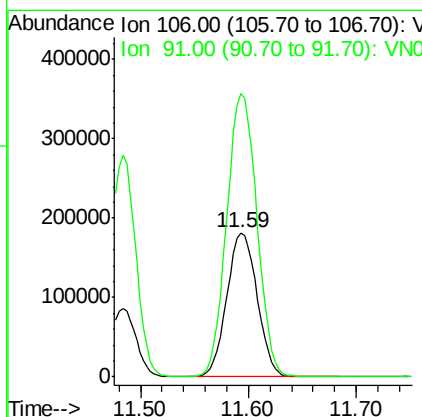
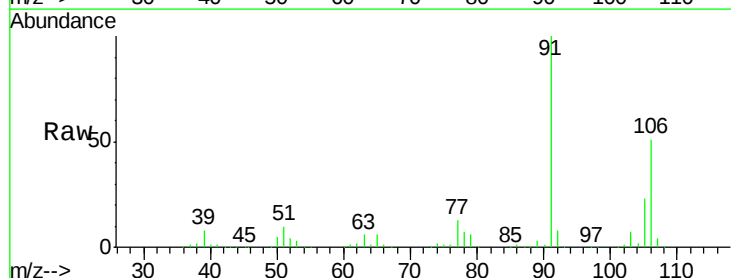
Manual Integrations
APPROVED

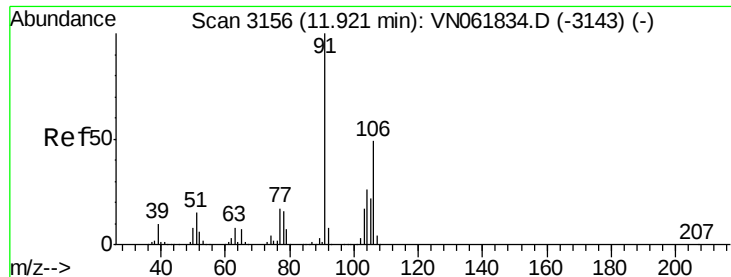
MMDadoda
6/23/2020 12:44:54 PM



#68
m/p-Xylenes
Concen: 98.519 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion: 106 Resp: 354795
Ion Ratio Lower Upper
106 100
91 196.4 157.0 235.6





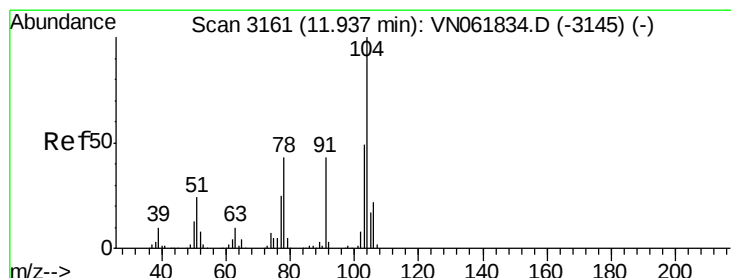
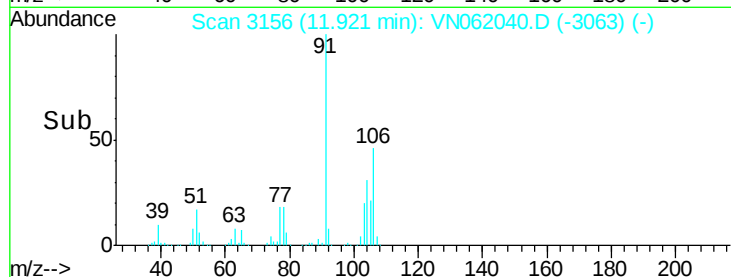
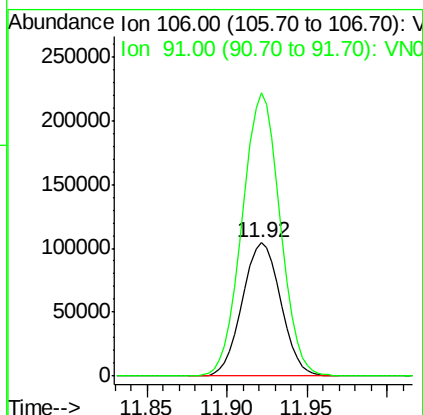
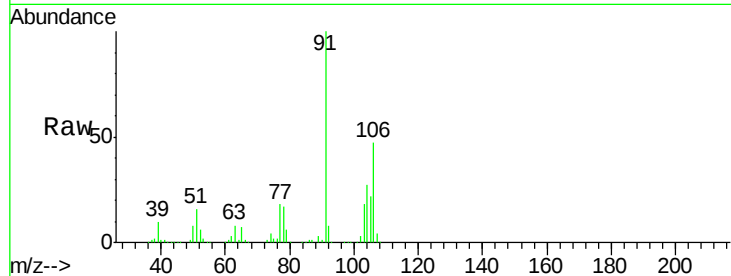
#69
o-Xylene
Concen: 49.925 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	171549		
91	209.1	103.0	308.9		

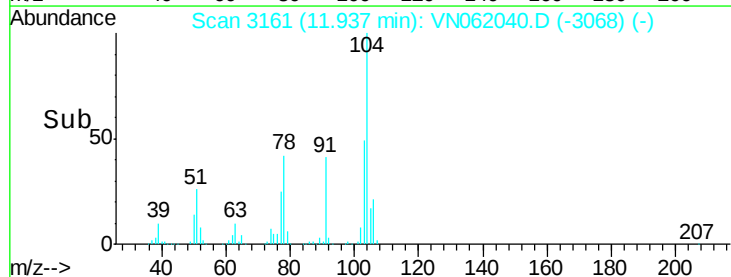
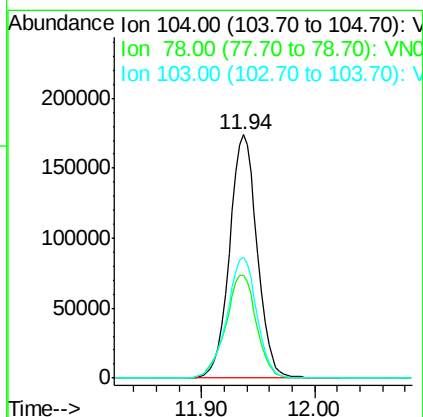
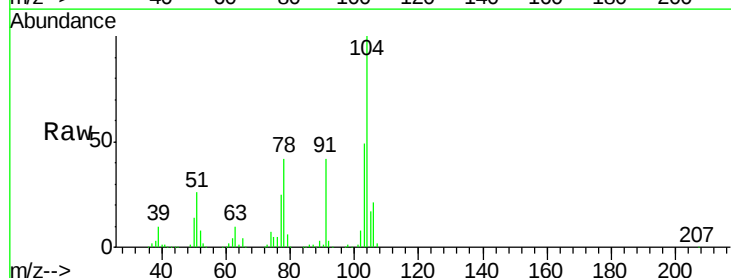
Manual Integrations
APPROVED

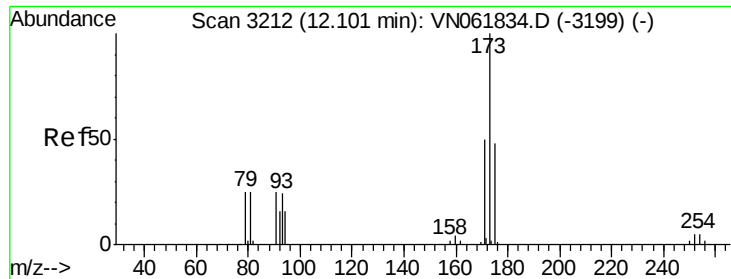
MMDadoda
6/23/2020 12:44:54 PM



#70
Styrene
Concen: 51.261 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	294930		
78	46.9	37.6	56.4		
103	53.6	43.0	64.4		





#71

Bromoform

Concen: 50.859 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 72043

Ion Ratio Lower Upper

173 100

175 48.7 23.9 71.7

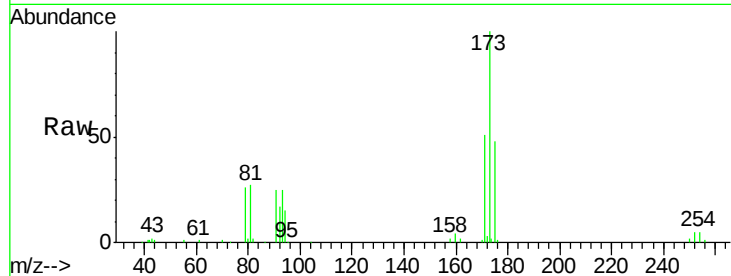
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

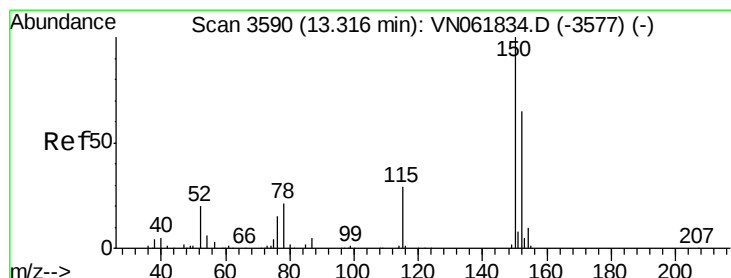
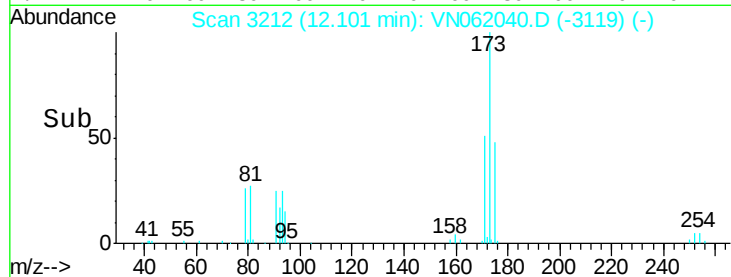
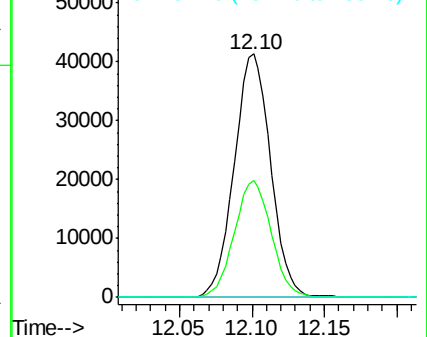
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

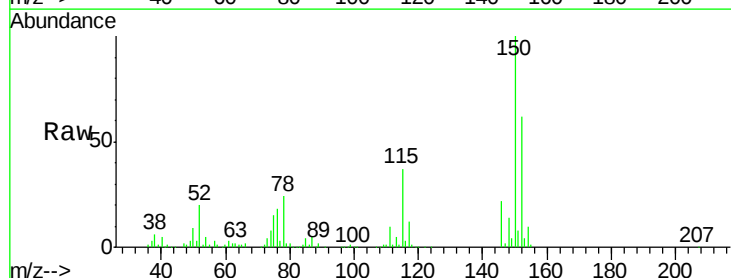
Tgt Ion:152 Resp: 128567

Ion Ratio Lower Upper

152 100

115 59.5 29.1 87.3

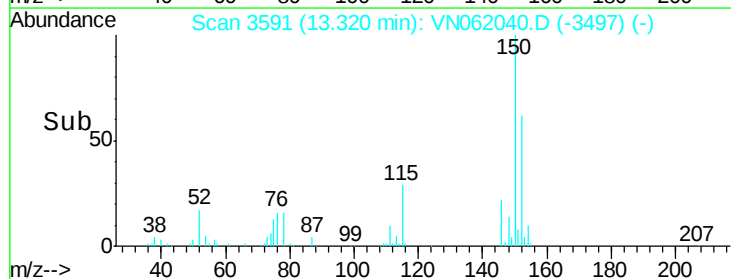
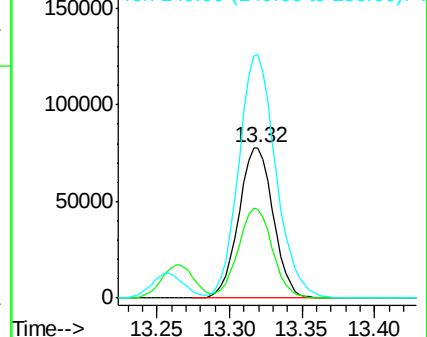
150 174.5 0.0 347.6

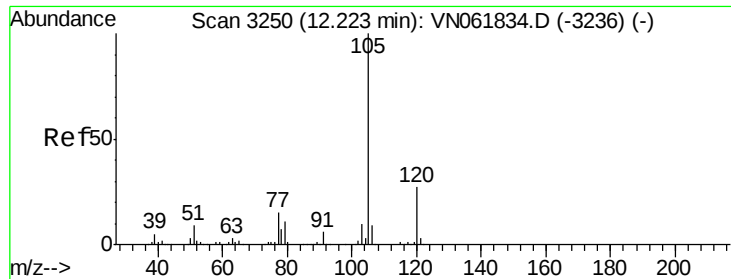


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.414 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 451453

Ion Ratio Lower Upper

105 100

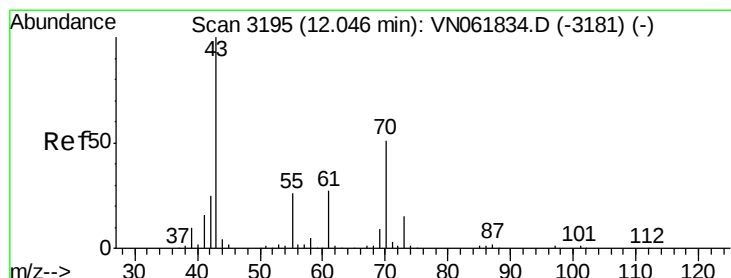
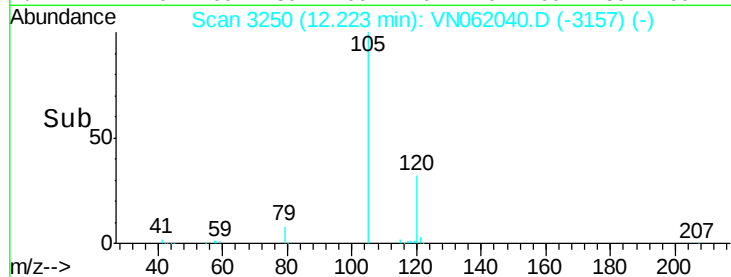
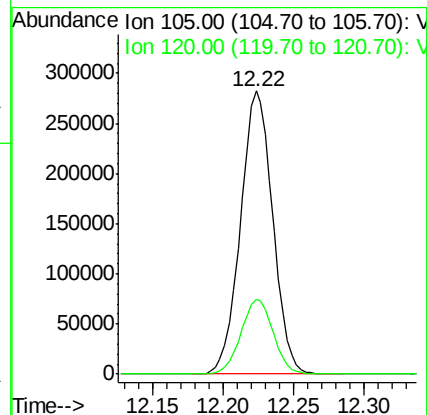
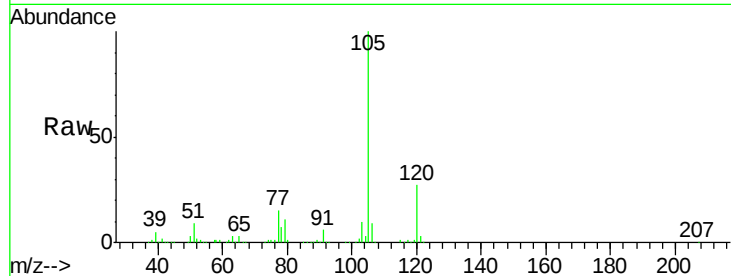
120 26.6 13.3 39.8

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#74

N-ethyl acetate

Concen: 48.703 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Tgt Ion: 43 Resp: 160857

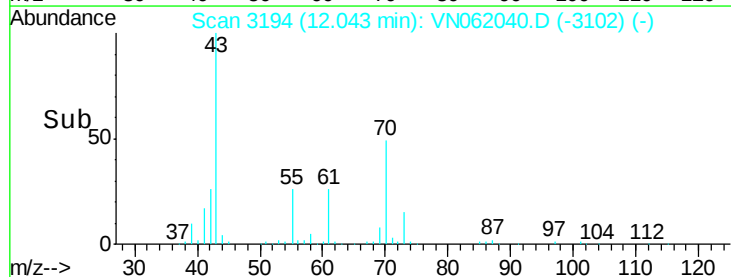
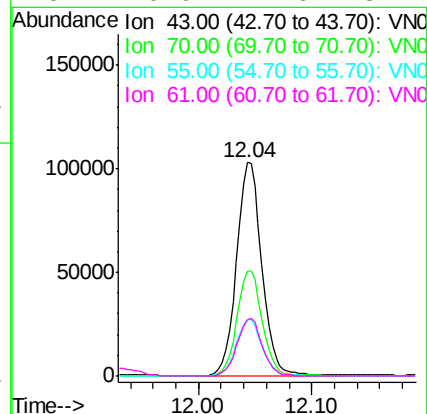
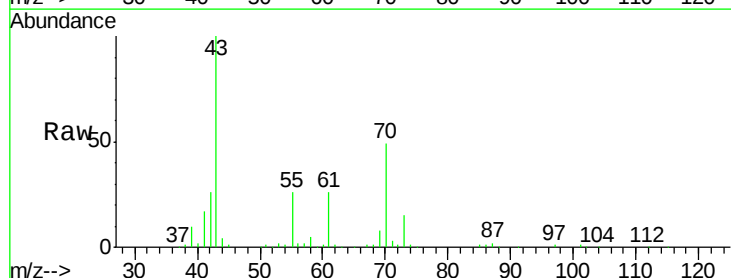
Ion Ratio Lower Upper

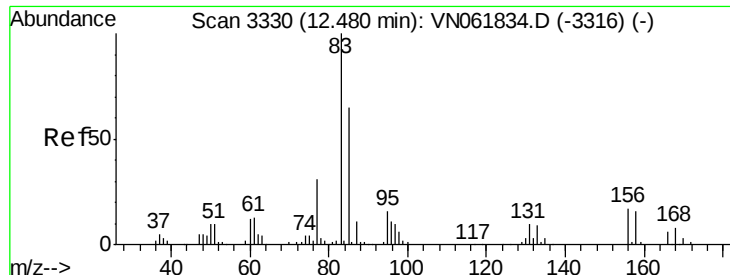
43 100

70 49.4 40.6 60.8

55 27.1 21.5 32.3

61 26.9 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.590 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 150272

Ion Ratio Lower Upper

83 100

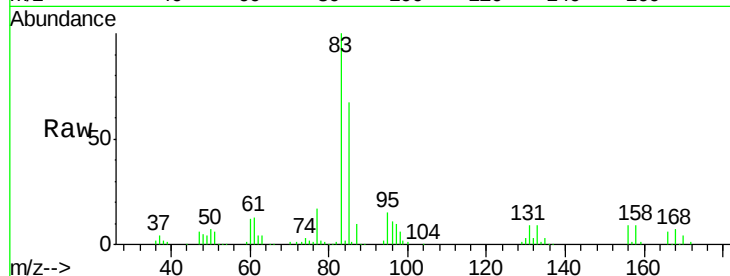
131 9.5 5.0 15.0

85 65.4 32.4 97.2

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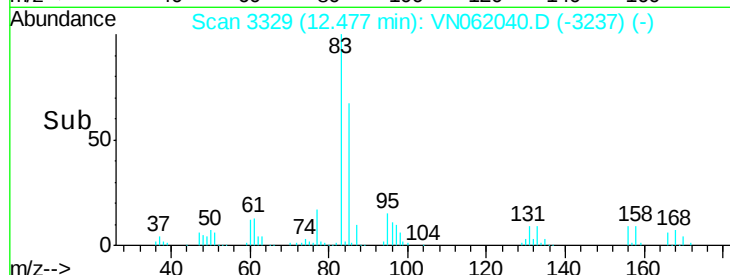


Abundance Ion 82.90 (82.60 to 83.60): VN061834.D (-3316) (-)

Ion 130.80 (130.50 to 131.50): VN061834.D (-3316) (-)

Ion 84.90 (84.60 to 85.60): VN061834.D (-3316) (-)

Time-->

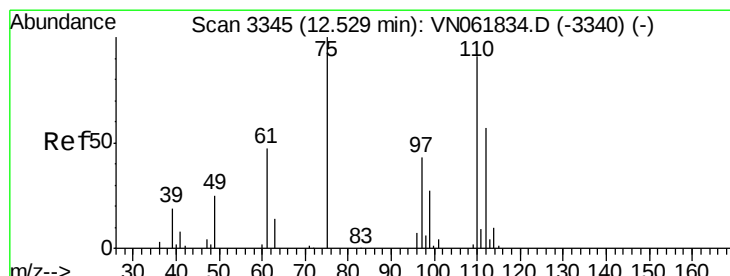


Abundance Ion 82.90 (82.60 to 83.60): VN062040.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062040.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062040.D (-3237) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 52.176 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062040.D

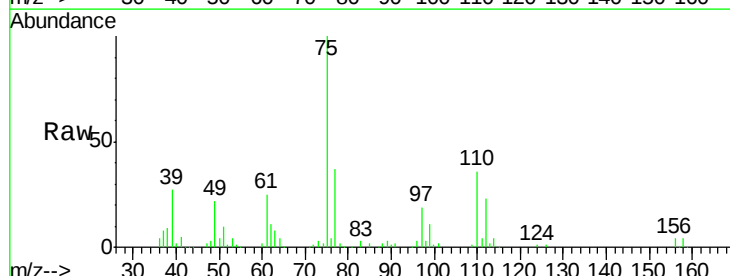
Acq: 23 Jun 2020 8:47

Tgt Ion: 75 Resp: 131697

Ion Ratio Lower Upper

75 100

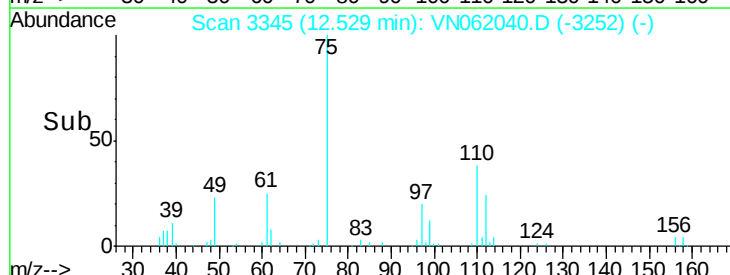
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061834.D (-3340) (-)

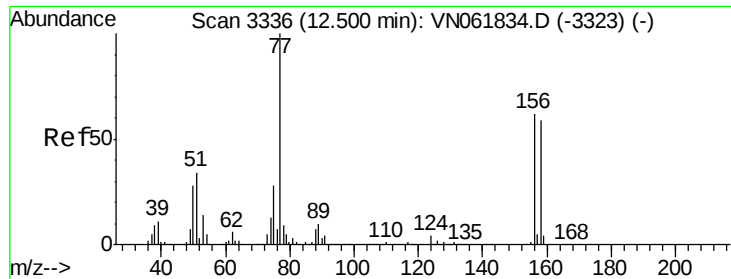
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN062040.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062040.D (-3252) (-)

Time-->



#77

Bromobenzene

Concen: 48.109 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

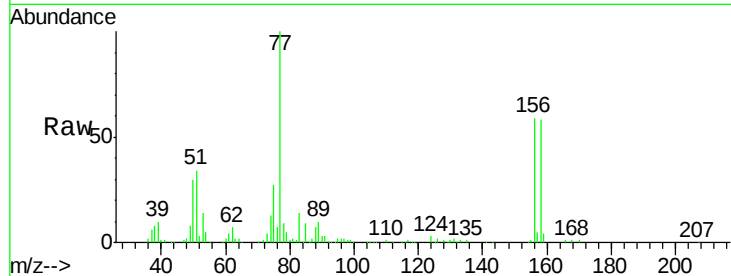
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	110888
Ion Ratio	Lower	Upper	
156	100		
77	205.7	100.7	302.1
158	97.5	48.5	145.5

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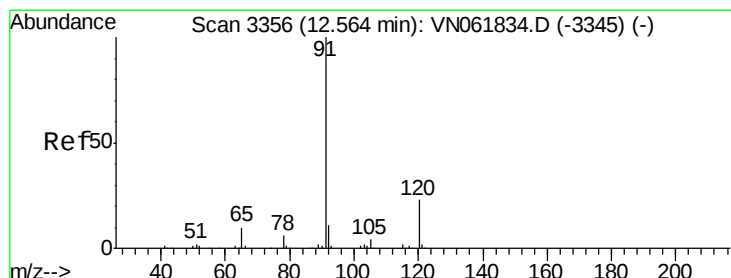
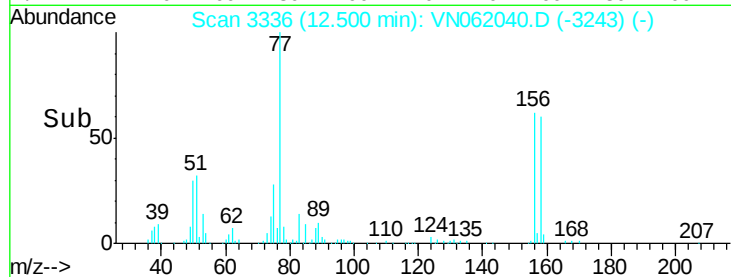
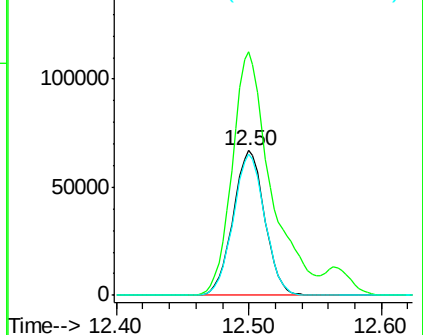
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.048 ug/l

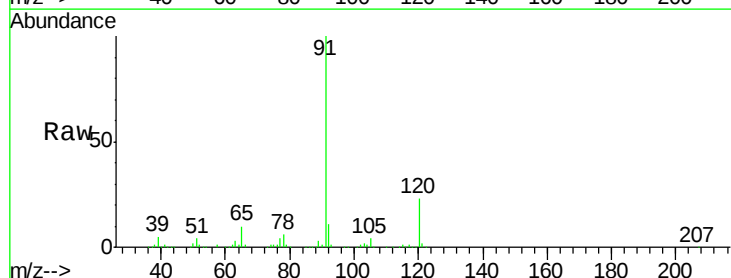
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062040.D

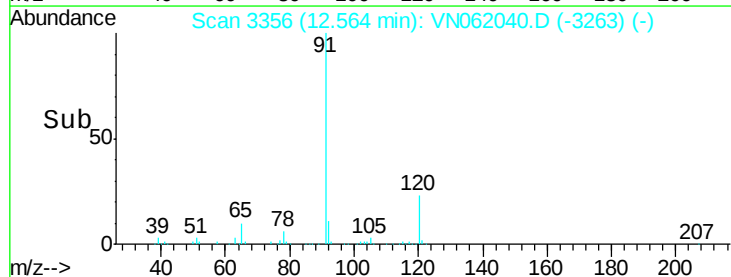
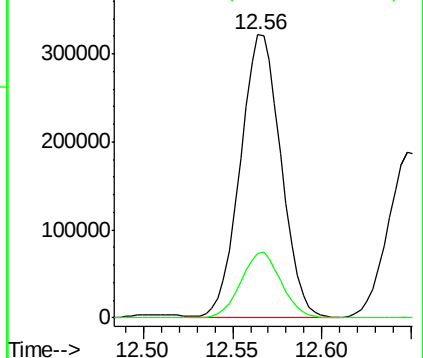
Acq: 23 Jun 2020 8:47

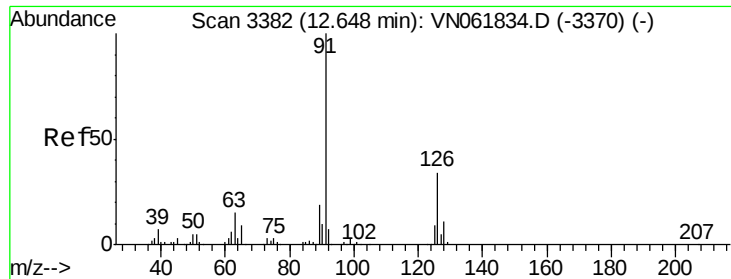
Tgt Ion:	91	Resp:	511307
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





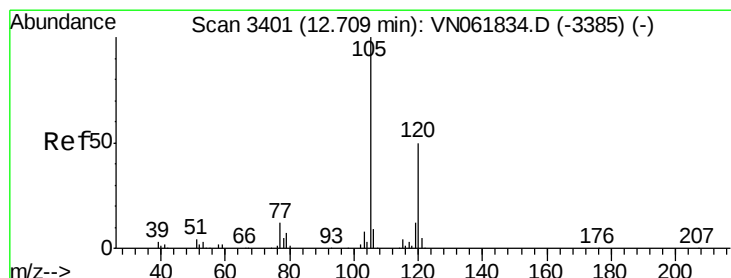
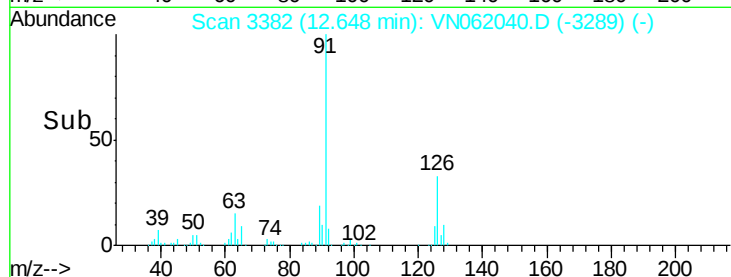
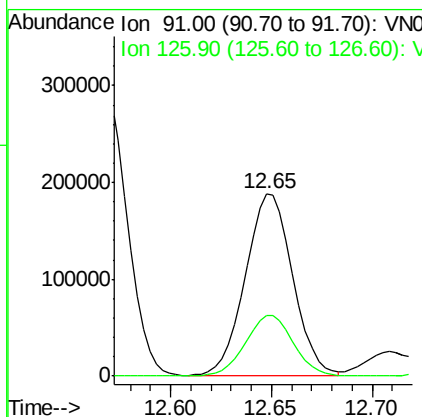
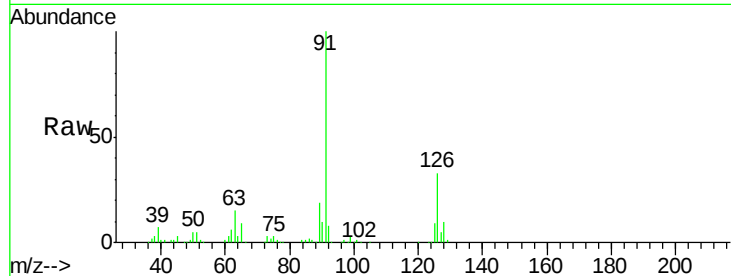
#79
 2-Chlorotoluene
 Concen: 49.174 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 307878
 Ion Ratio Lower Upper
 91 100
 126 33.8 17.3 51.7

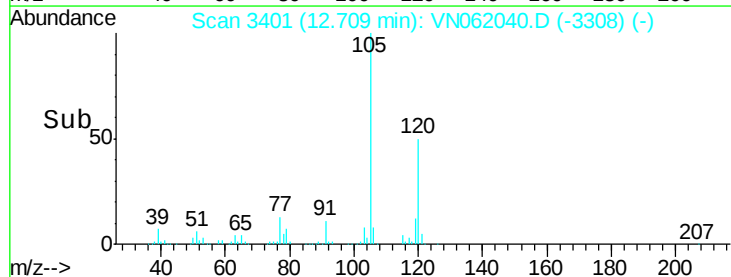
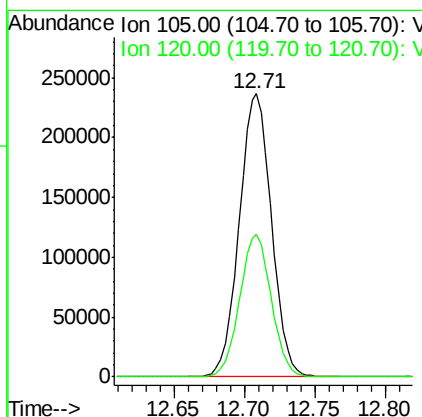
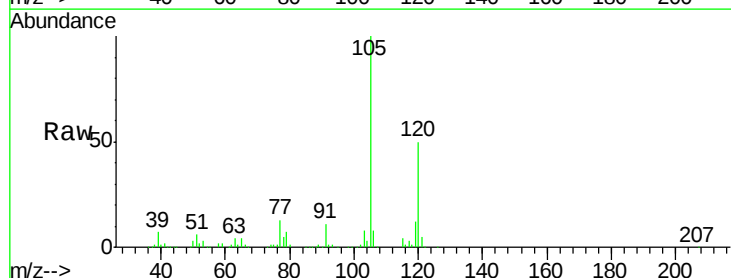
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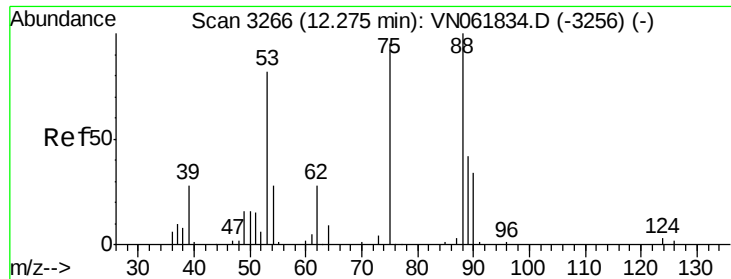
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.780 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion: 105 Resp: 376264
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 44.863 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 41518

Ion Ratio Lower Upper

75 100

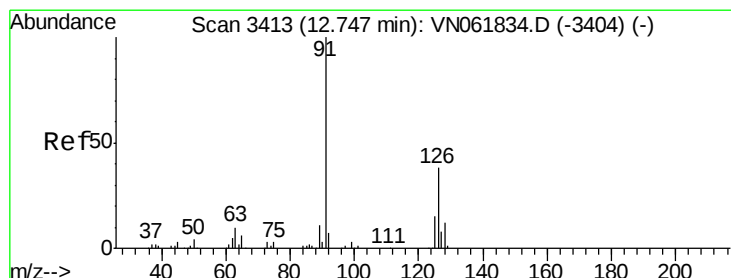
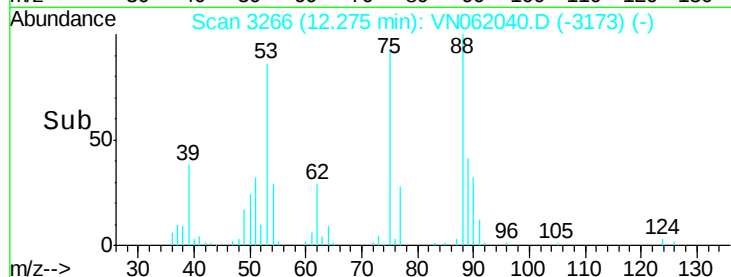
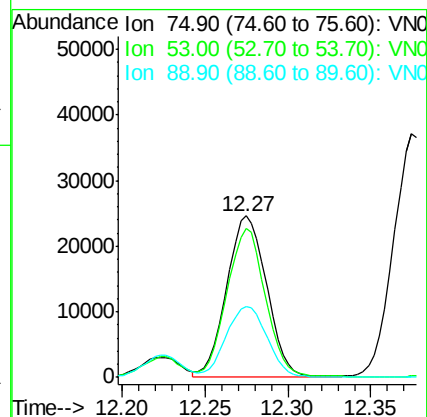
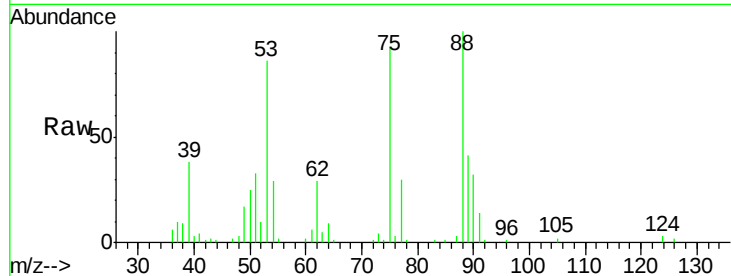
53 89.1 70.4 105.6

89 44.6 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.904 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062040.D

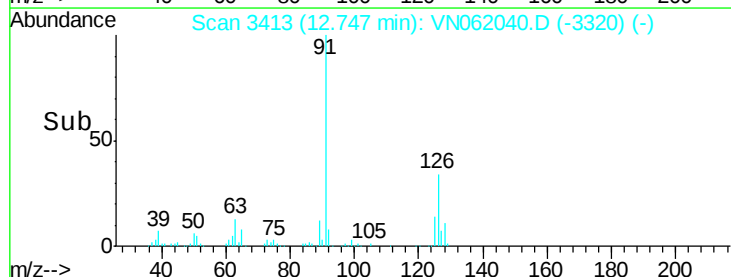
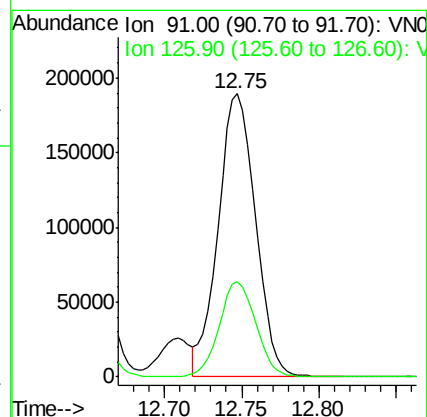
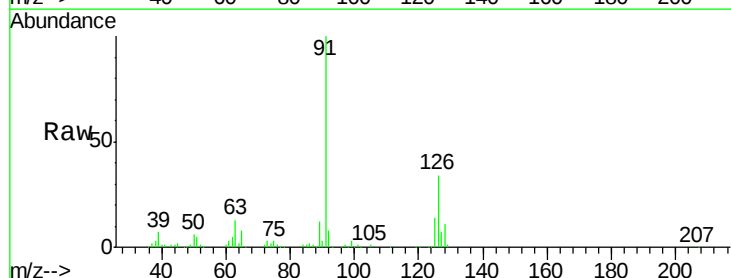
Acq: 23 Jun 2020 8:47

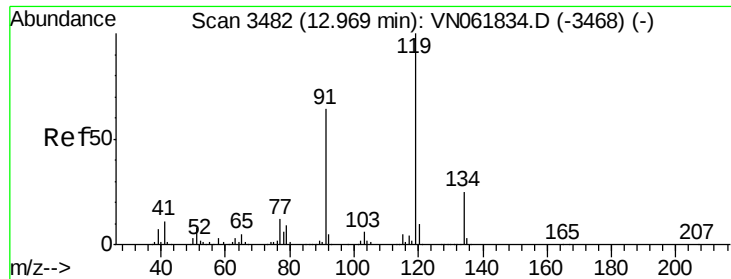
Tgt Ion: 91 Resp: 316385

Ion Ratio Lower Upper

91 100

126 33.3 17.2 51.6





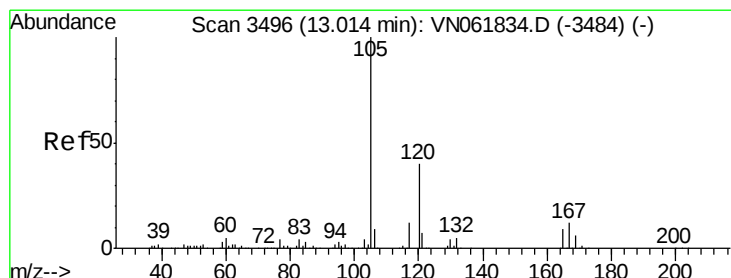
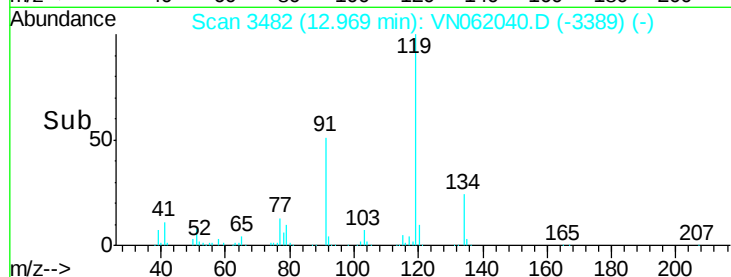
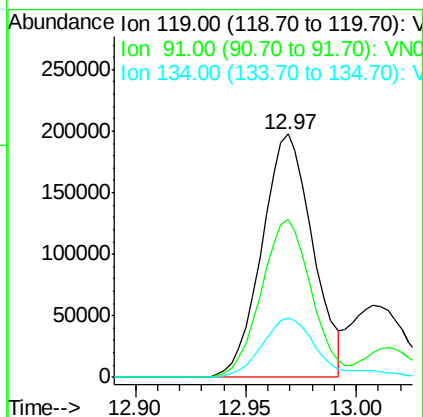
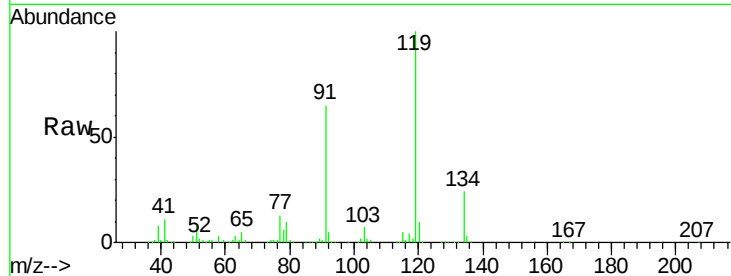
#83
tert-Butylbenzene
Concen: 49.268 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	315703		
91	64.0		31.5	94.5
134	25.3		13.3	39.9

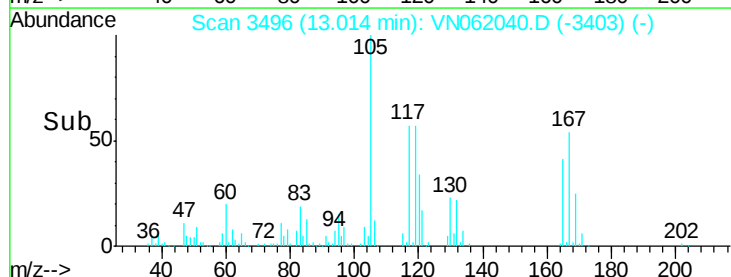
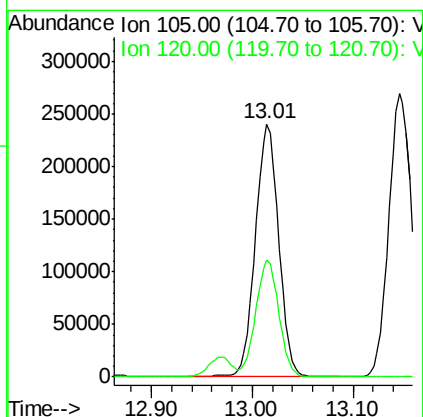
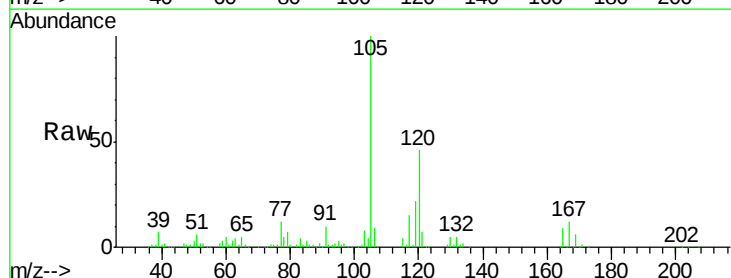
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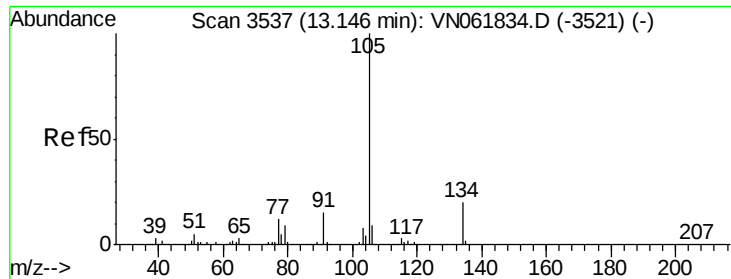
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#84
1,2,4-Trimethylbenzene
Concen: 51.438 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	383795		
120	46.0		23.3	69.9





#85

sec-Butylbenzene

Concen: 50.370 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 422463

Ion Ratio Lower Upper

105 100

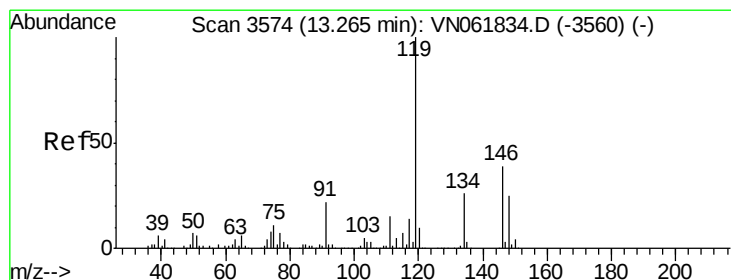
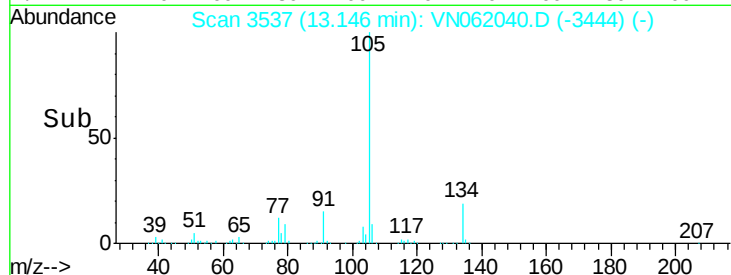
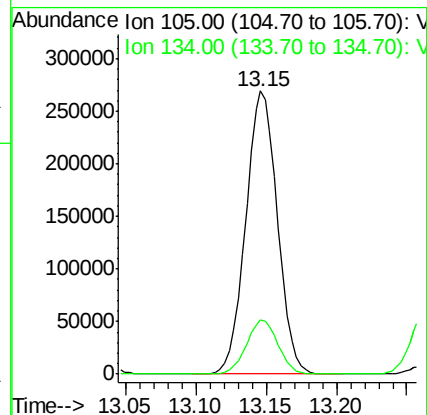
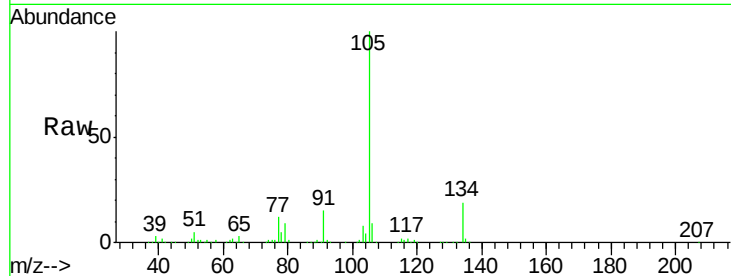
134 19.0 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.935 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062040.D

Acq: 23 Jun 2020 8:47

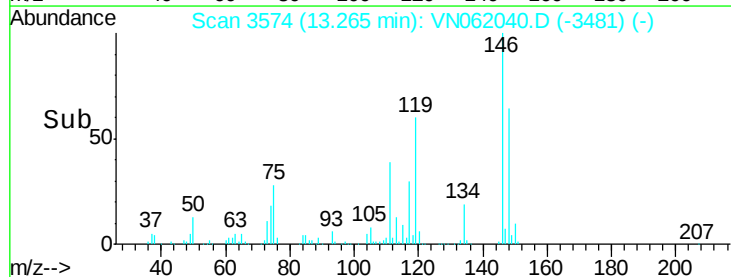
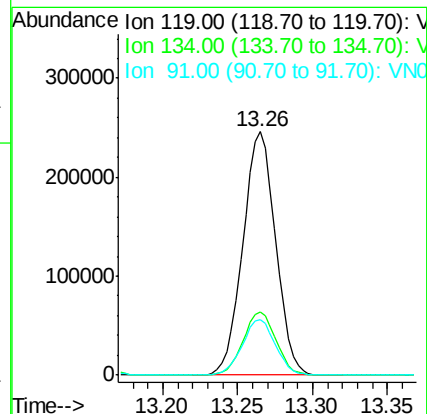
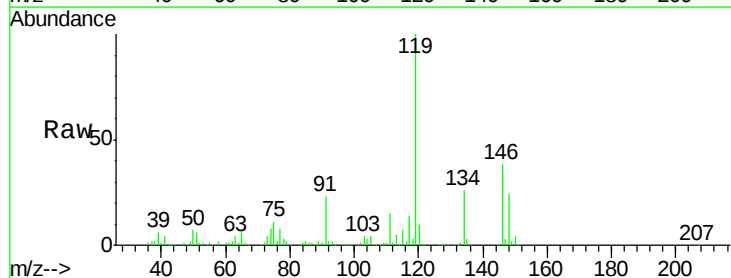
Tgt Ion:119 Resp: 373197

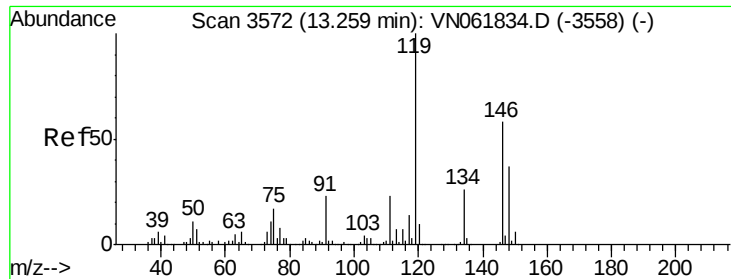
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 23.2 11.2 33.6





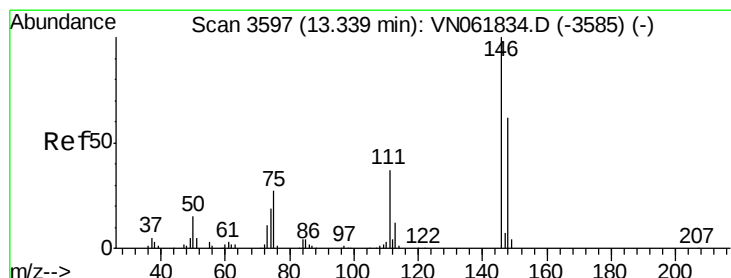
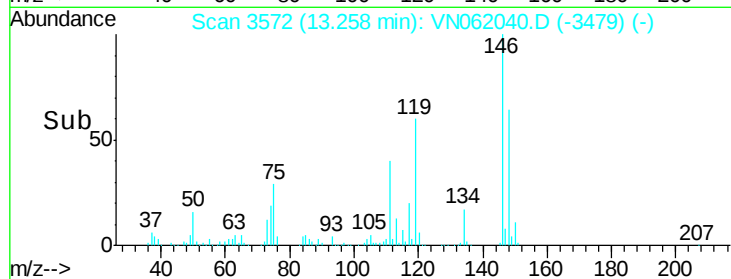
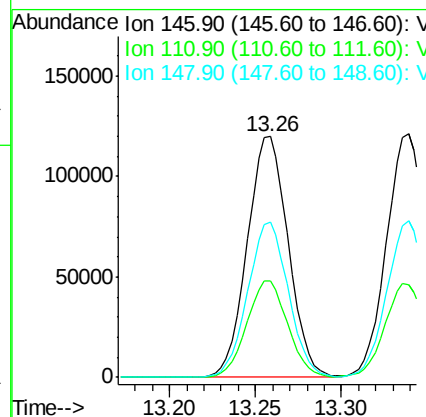
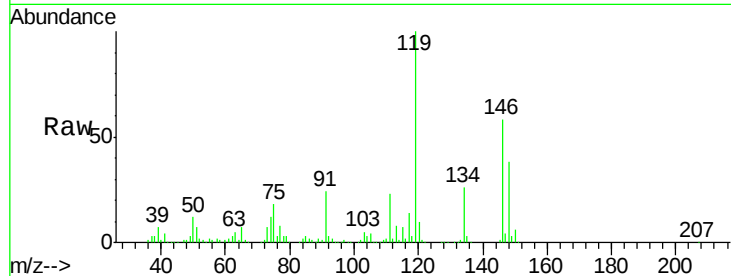
#87
 1,3-Dichlorobenzene
 Concen: 47.264 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.8
148	63.8	31.8	95.4

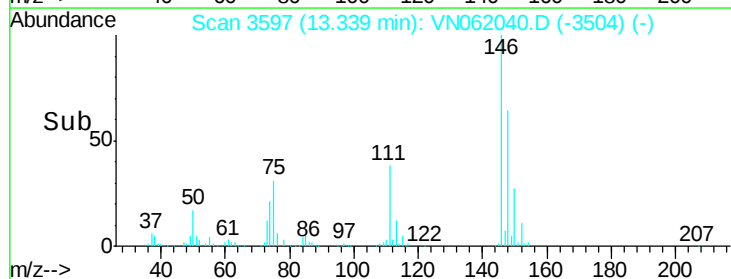
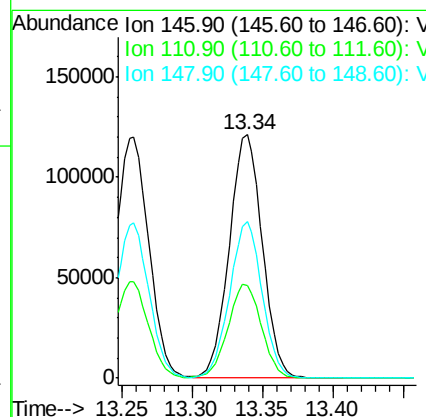
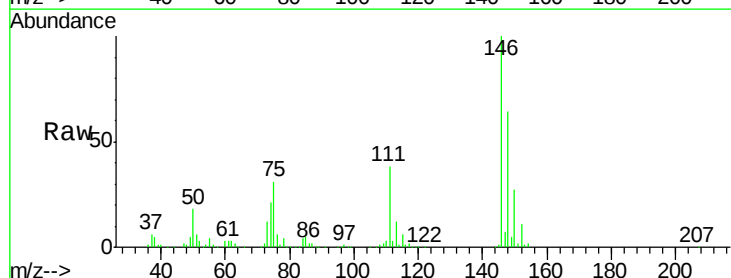
Manual Integrations
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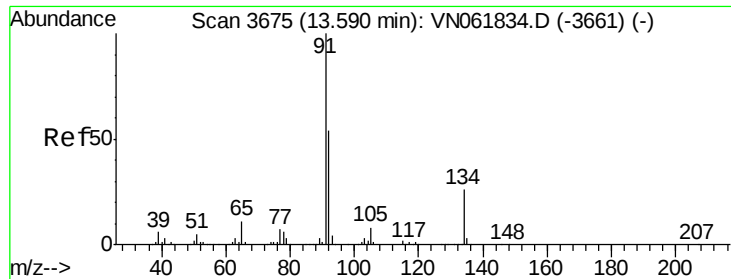
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#88
 1,4-Dichlorobenzene
 Concen: 46.029 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	63.6	31.6	94.7





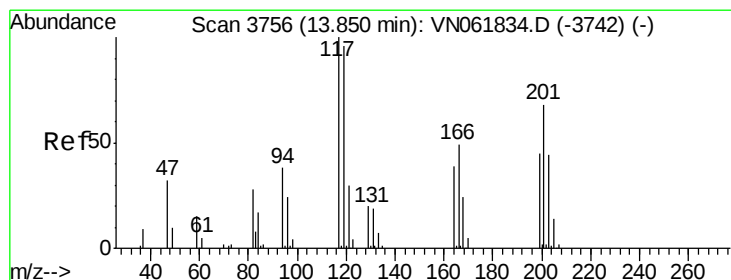
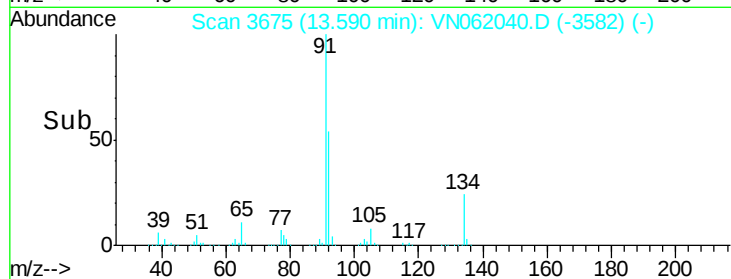
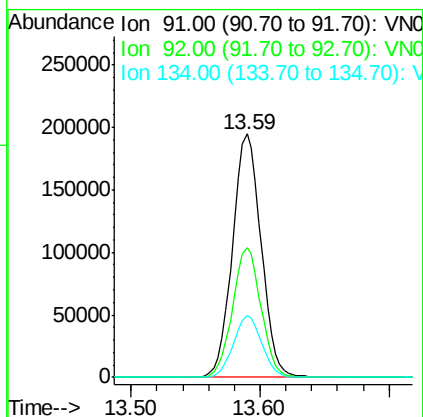
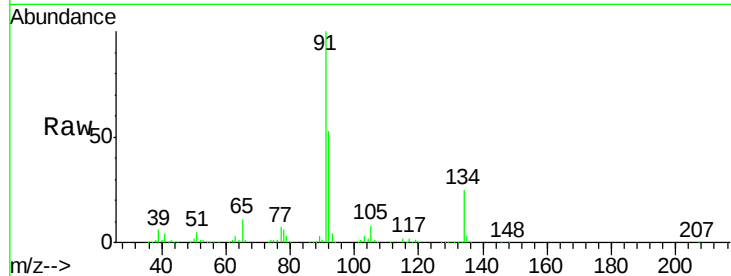
#89
n-Butylbenzene
Concen: 48.120 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.0	80.8
134	25.2	13.0	39.0

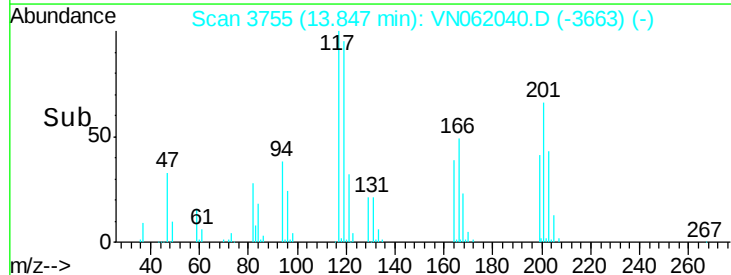
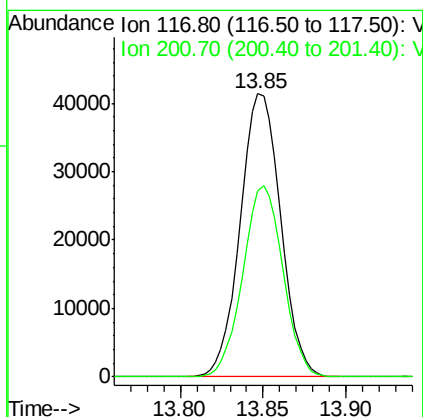
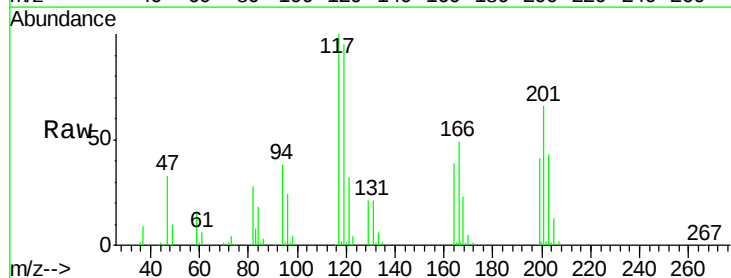
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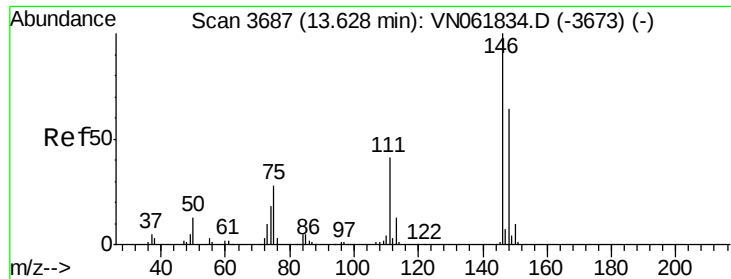
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#90
Hexachloroethane
Concen: 51.537 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	34.6	103.8





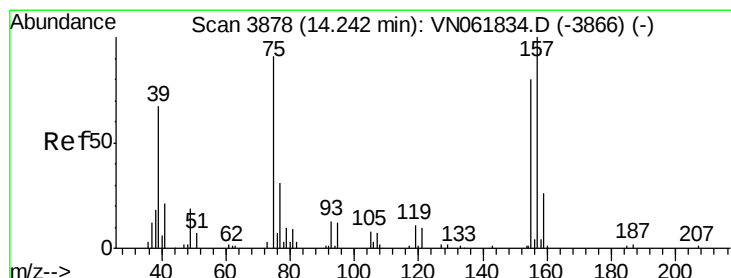
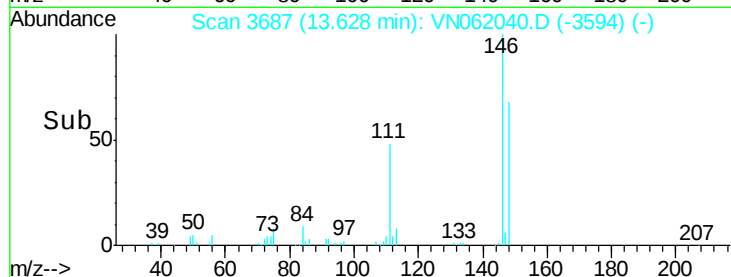
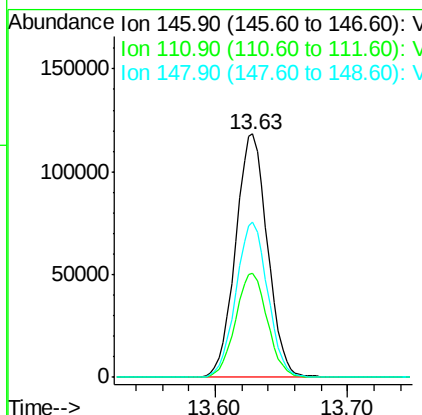
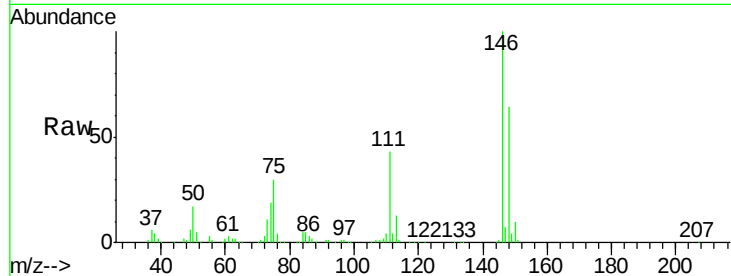
#91
 1,2-Dichlorobenzene
 Concen: 48.861 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.4	61.2
148	63.4	31.8	95.4

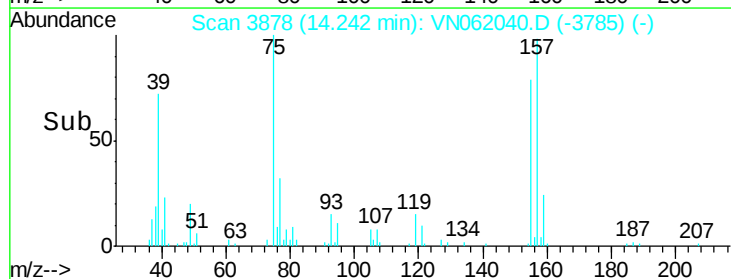
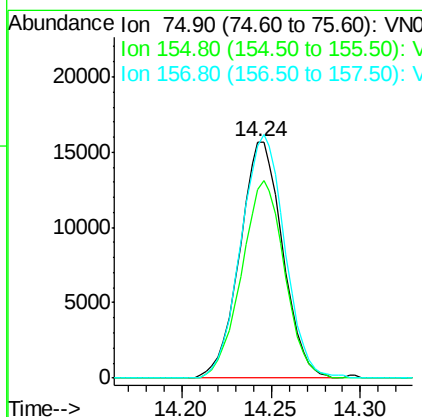
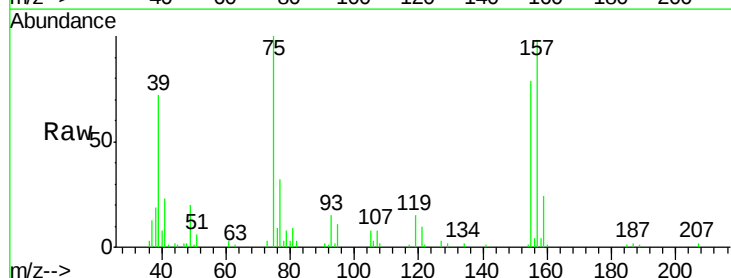
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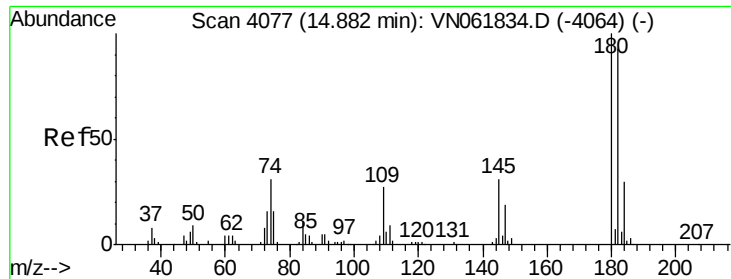
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.452 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	44.4	133.2
157	105.1	57.0	171.2





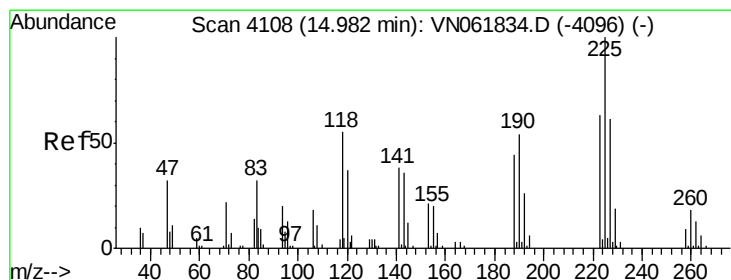
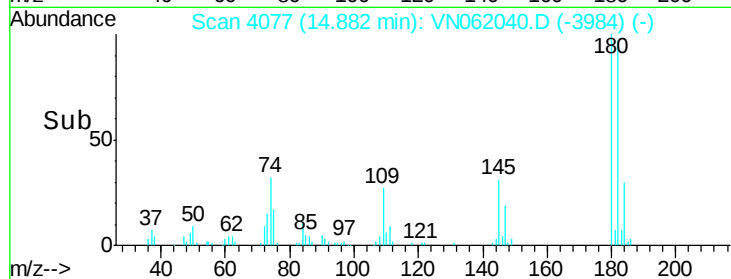
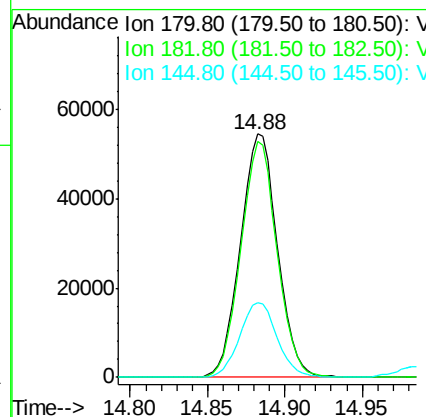
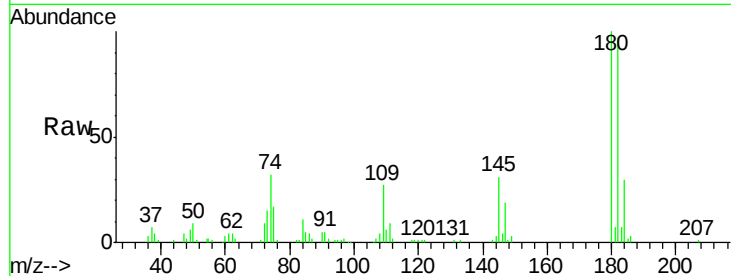
#93
 1,2,4-Trichlorobenzene
 Concen: 47.344 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.2
145	30.9	15.8	47.3

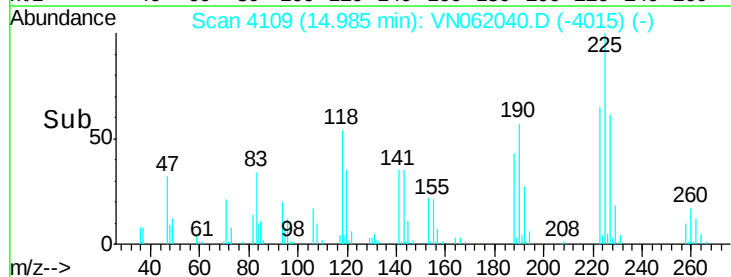
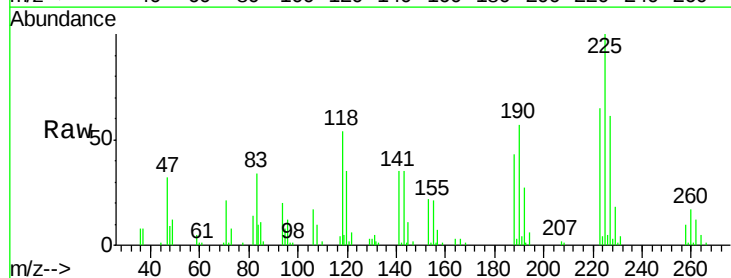
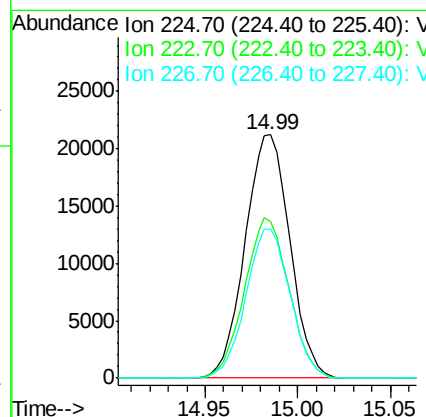
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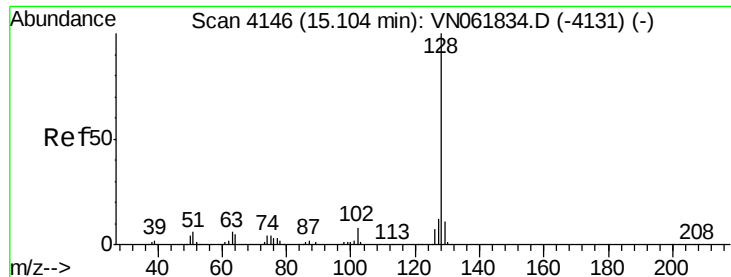
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#94
 Hexachlorobutadiene
 Concen: 47.208 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062040.D
 Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.7	95.1
227	60.5	30.1	90.3





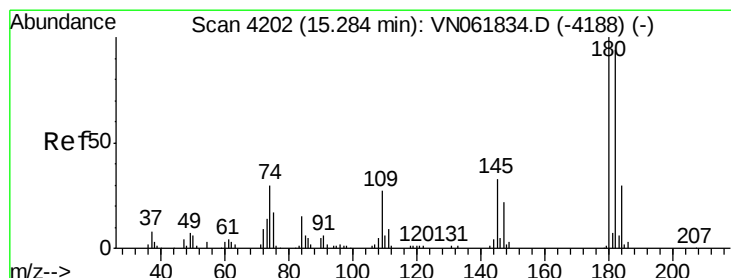
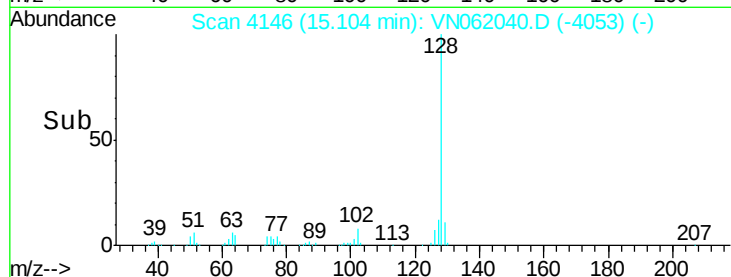
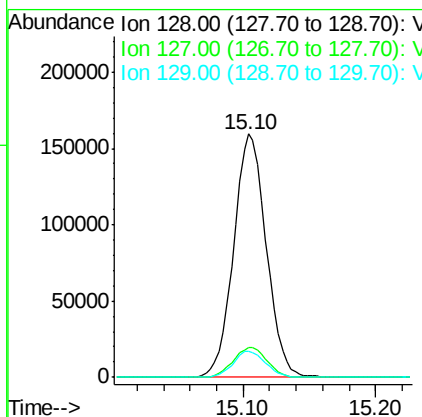
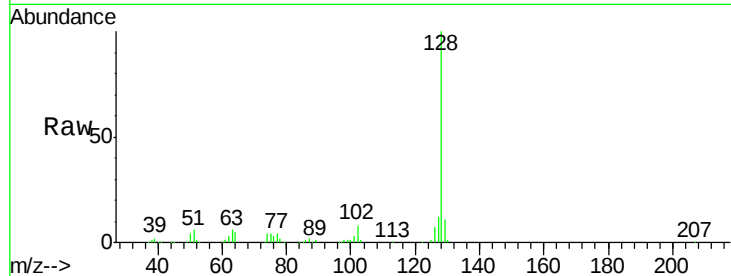
#95
Naphthalene
Concen: 43.033 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.042 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062040.D
Acq: 23 Jun 2020 8:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.9	143.6
145	33.2	16.5	49.5

