

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061988.D
 Acq On : 20 Jun 2020 9:41
 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
 6/22/2020 10:30:32 AM

Quant Time: Jun 22 05:15:25 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	148850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	262747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	246230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	100224	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.55	113	85010	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.06	98	324109	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.38	95	110561	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95773	49.453	ug/l	98
3) Chloromethane	2.03	50	104809	50.727	ug/l	98
4) Vinyl Chloride	2.16	62	131233	53.280	ug/l	100
5) Bromomethane	2.52	94	86259	45.605	ug/l	98
6) Chloroethane	2.66	64	88947	53.359	ug/l	99
7) Trichlorofluoromethane	2.98	101	158110	53.740	ug/l	98
8) Diethyl Ether	3.37	74	55012	55.619	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	78779	52.193	ug/l	99
10) Methyl Iodide	3.91	142	101450	55.086	ug/l	99
11) Tert butyl alcohol	4.73	59	73348	265.516	ug/l	99
12) 1,1-Dichloroethene	3.69	96	80584	53.283	ug/l	95
13) Acrolein	3.56	56	46411	281.099	ug/l	98
14) Allyl chloride	4.27	41	103517	51.571	ug/l	99
15) Acrylonitrile	4.93	53	201055	293.727	ug/l	99
16) Acetone	3.78	43	158715	269.159	ug/l	98
17) Carbon Disulfide	4.00	76	217499	49.150	ug/l	99
18) Methyl Acetate	4.28	43	99899	58.845	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	271864	53.989	ug/l	99
20) Methylene Chloride	4.50	84	96282	50.117	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	88263	50.809	ug/l	96
22) Diisopropyl ether	5.90	45	246562	53.709	ug/l	99
23) Vinyl Acetate	5.84	43	969517	268.518	ug/l	99
24) 1,1-Dichloroethane	5.80	63	158520	52.750	ug/l	98
25) 2-Butanone	6.79	43	244430	284.112	ug/l	98
26) 2,2-Dichloropropane	6.78	77	84675	33.491	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	106481	53.123	ug/l	95
28) Bromochloromethane	7.15	49	69397	51.865	ug/l	99
29) Tetrahydrofuran	7.17	42	164434	290.422	ug/l	99
30) Chloroform	7.33	83	168282	52.396	ug/l	99
31) Cyclohexane	7.61	56	126784	48.193	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	142039	51.930	ug/l	99
36) 1,1-Dichloropropene	7.75	75	121043	50.507	ug/l	98
37) Ethyl Acetate	6.88	43	105065	56.140	ug/l	99
38) Carbon Tetrachloride	7.73	117	121252	51.091	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	130481	50.563	ug/l	100
40) Benzene	8.00	78	380254	52.379	ug/l	97
41) Methacrylonitrile	7.13	41	46093	57.597	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	129204	52.196	ug/l	100
43) Isopropyl Acetate	8.13	43	173052	54.870	ug/l #	91
44) Trichloroethene	8.80	130	98118	51.356	ug/l	96
45) 1,2-Dichloropropane	9.08	63	94588	53.018	ug/l	99
46) Dibromomethane	9.17	93	66771	53.148	ug/l	98
47) Bromodichloromethane	9.37	83	135357	52.617	ug/l	99
48) Methyl methacrylate	9.17	41	79344	55.321	ug/l	99
49) 1,4-Dioxane	9.17	88	36389	1105.075	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	529712	284.222	ug/l	100
52) Toluene	10.12	92	245975	53.950	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	137589	50.382	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	148152	49.946	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	98134	54.706	ug/l	99
56) Ethyl methacrylate	10.40	69	135869	49.610	ug/l	99
57) 1,3-Dichloropropane	10.68	76	165132	54.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	271232	286.493	ug/l	99
59) 2-Hexanone	10.72	43	387271	259.554	ug/l	100
60) Dibromochloromethane	10.87	129	105791	52.852	ug/l	99
61) 1,2-Dibromoethane	10.98	107	100403	53.601	ug/l	100
64) Tetrachloroethene	10.60	164	79828	50.866	ug/l	99
65) Chlorobenzene	11.41	112	264353	50.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	97226	53.655	ug/l	98
67) Ethyl Benzene	11.48	91	460129	52.820	ug/l	98
68) m/p-Xylenes	11.60	106	359368	106.985	ug/l	100
69) o-Xylene	11.92	106	173647	54.179	ug/l	99
70) Styrene	11.94	104	294250	54.831	ug/l	100
71) Bromoform	12.10	173	71466	54.089	ug/l #	99
73) Isopropylbenzene	12.22	105	448588	52.187	ug/l	99
74) N-amyl acetate	12.05	43	149857	48.254	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	147165	52.659	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	118838m	50.041	ug/l	
77) Bromobenzene	12.50	156	110561	50.982	ug/l	99
78) n-propylbenzene	12.57	91	507546	51.747	ug/l	100
79) 2-Chlorotoluene	12.65	91	305281	51.824	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	376900	52.998	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	41009	47.098	ug/l	99
82) 4-Chlorotoluene	12.75	91	316006	51.915	ug/l	99
83) tert-Butylbenzene	12.97	119	312966	51.911	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	376553	53.640	ug/l	99
85) sec-Butylbenzene	13.15	105	418297	53.008	ug/l	99
86) p-Isopropyltoluene	13.26	119	375976	53.469	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	200325	50.648	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	198456	49.018	ug/l	99
89) n-Butylbenzene	13.59	91	294835	50.206	ug/l	99
90) Hexachloroethane	13.85	117	68581	53.281	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	198286	52.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25529	56.268	ug/l	94

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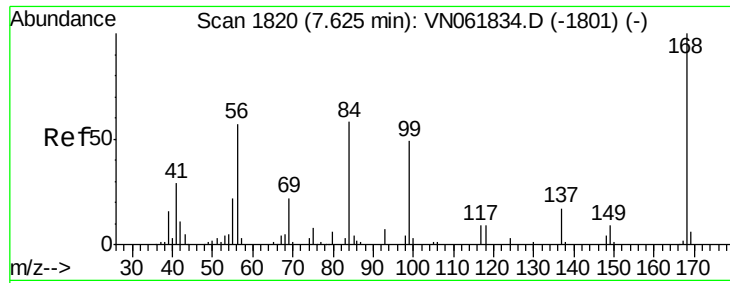
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	87043	48.444	ug/l	98
94) Hexachlorobutadiene	14.98	225	34739	49.089	ug/l	97
95) Naphthalene	15.10	128	263450	44.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	89835	50.484	ug/l	99

(#) = 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: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 148850

Ion Ratio Lower Upper

168 100

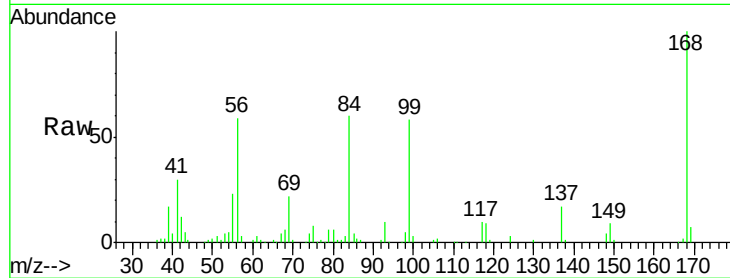
99 57.6 44.6 67.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

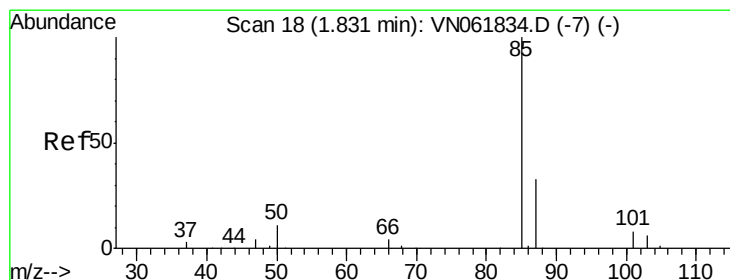
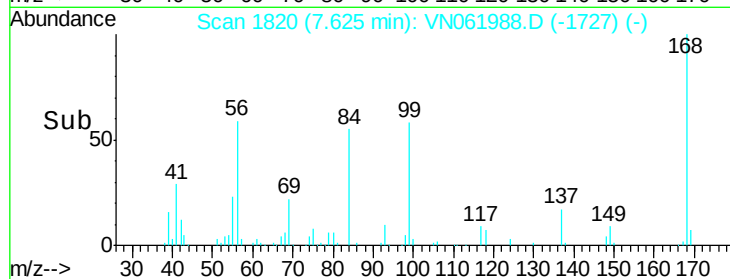
40000

20000

0

7.50 7.60 7.70

7.63



#2

Dichlorodifluoromethane

Concen: 49.453 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061988.D

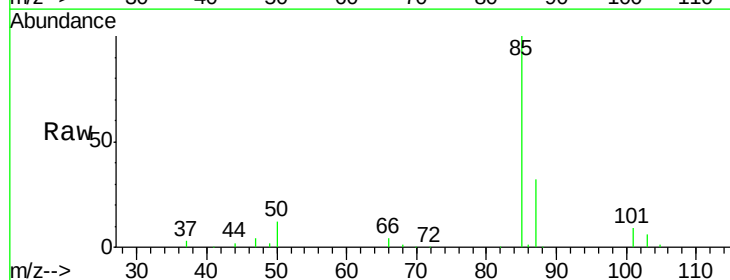
Acq: 20 Jun 2020 9:41

Tgt Ion: 85 Resp: 95773

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

80000

60000

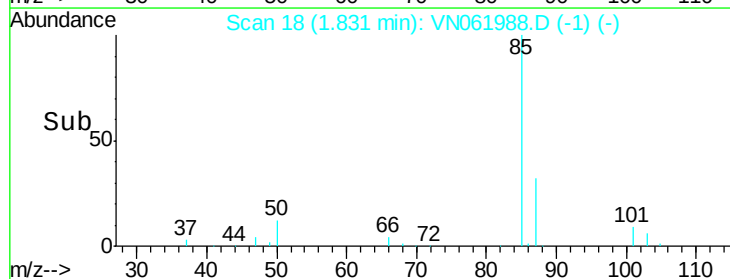
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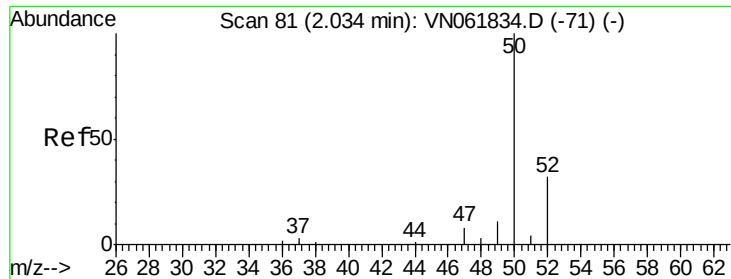
20000

0

1.75 1.80 1.85 1.90

1.83





#3

Chloromethane

Concen: 50.727 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 104809

Ion Ratio Lower Upper

50 100

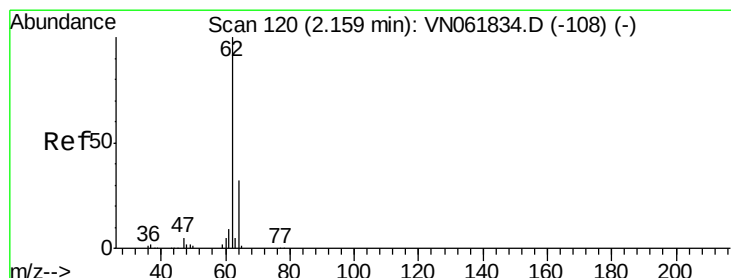
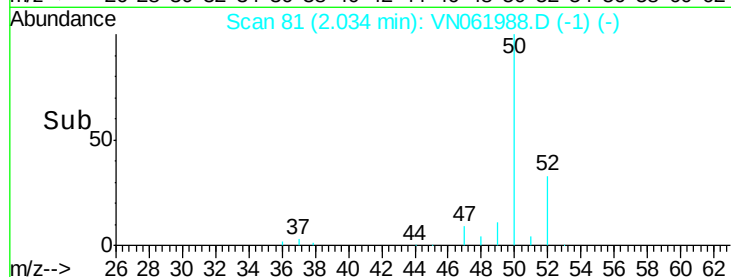
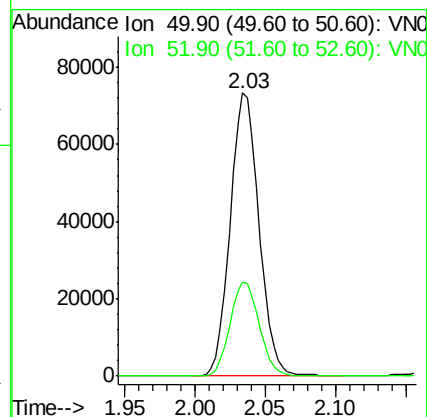
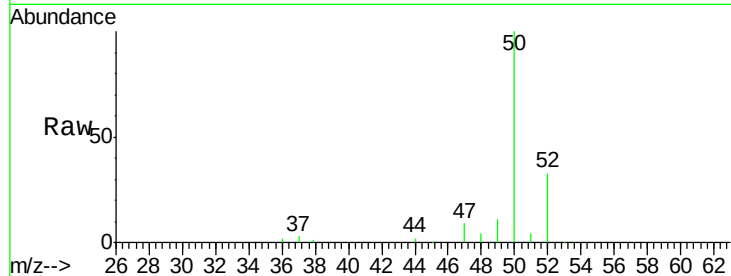
52 33.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.280 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061988.D

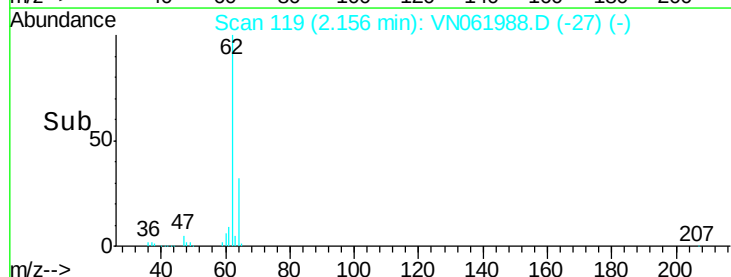
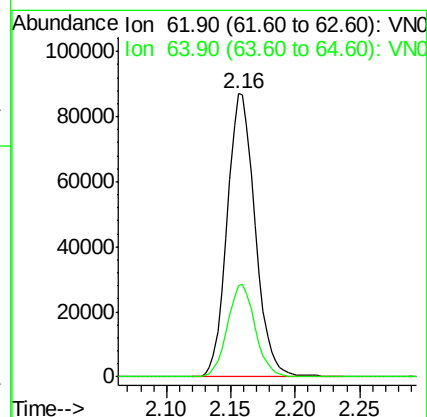
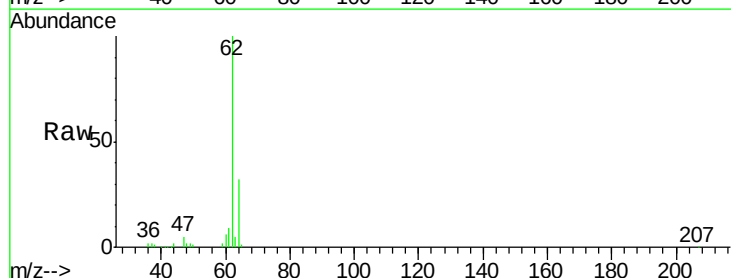
Acq: 20 Jun 2020 9:41

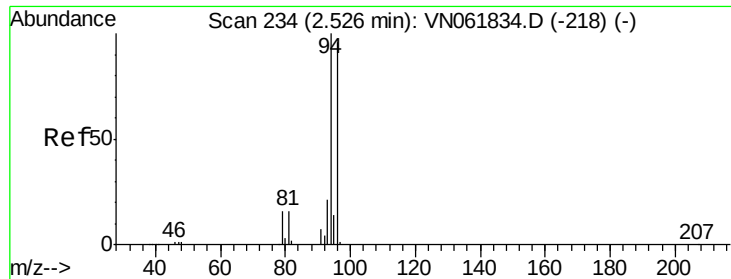
Tgt Ion: 62 Resp: 131233

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 45.605 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 86259

Ion Ratio Lower Upper

94 100

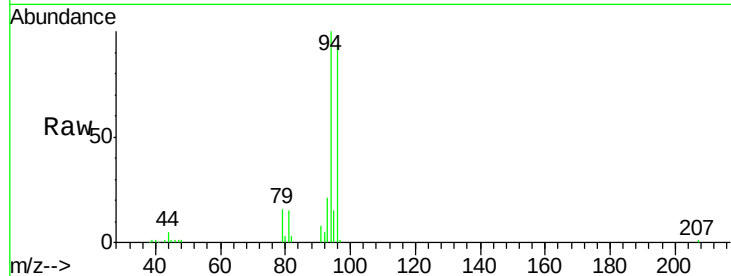
96 94.4 76.7 115.1

Manual Integrations

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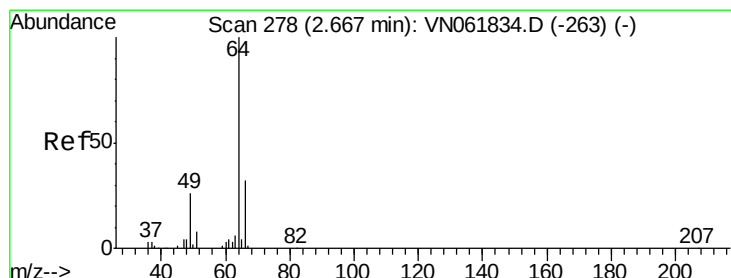
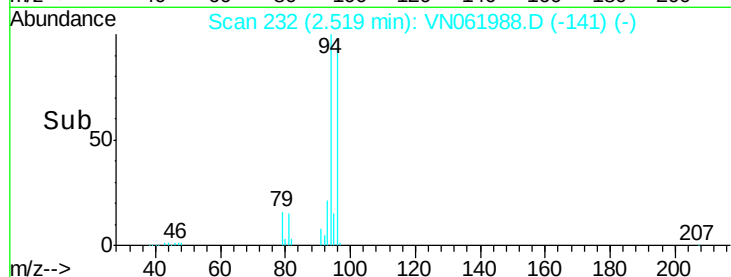
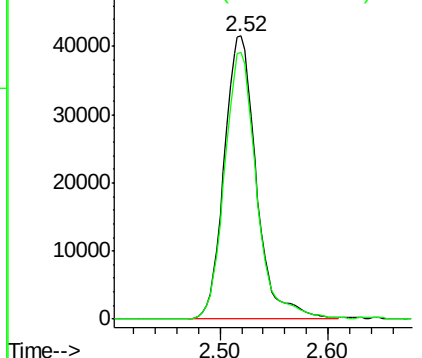
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6/22/2020 10:30:32 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.359 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN061988.D

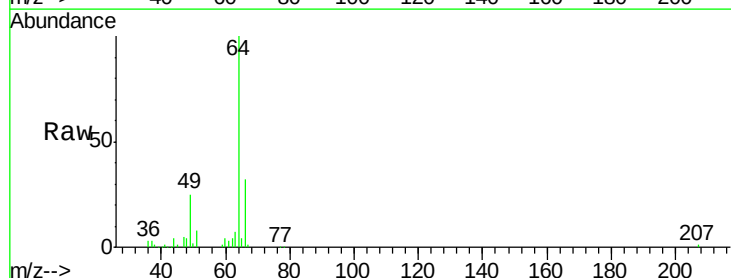
Acq: 20 Jun 2020 9:41

Tgt Ion: 64 Resp: 88947

Ion Ratio Lower Upper

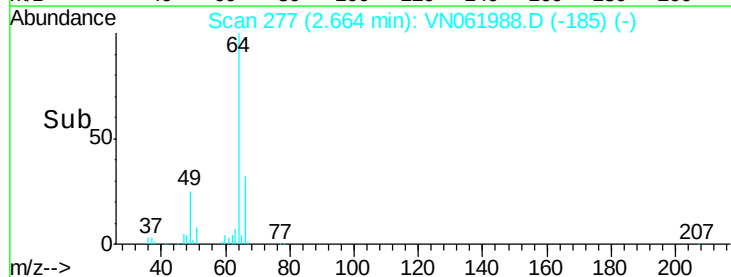
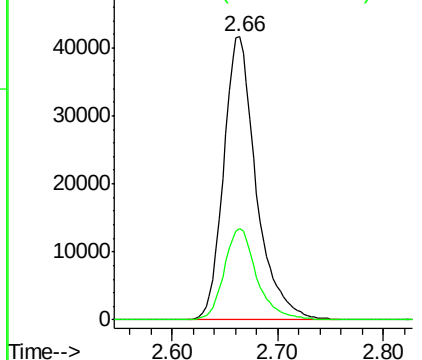
64 100

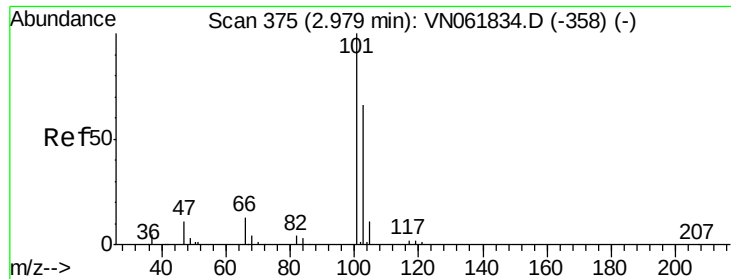
66 32.5 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

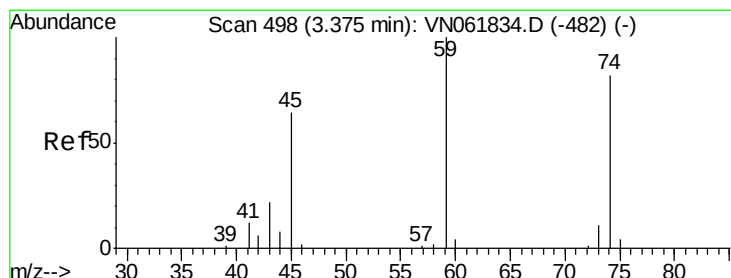
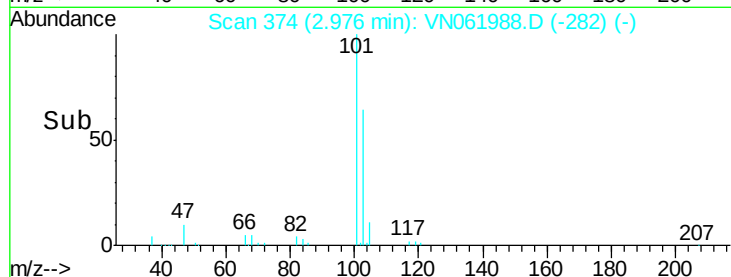
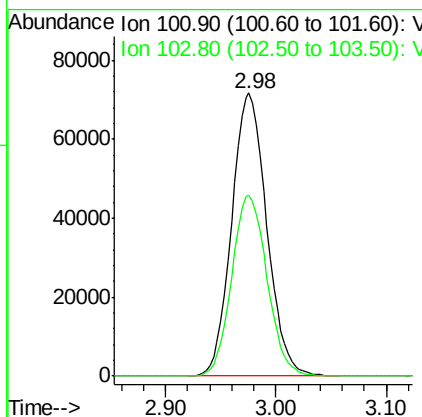
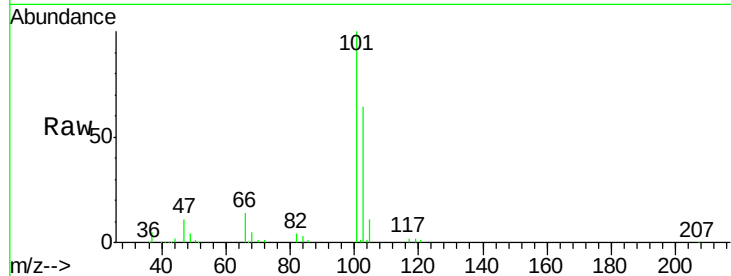
Trichlorofluoromethane
Concen: 53.740 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061988.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		158110		
103	64.0	52.8	79.2		

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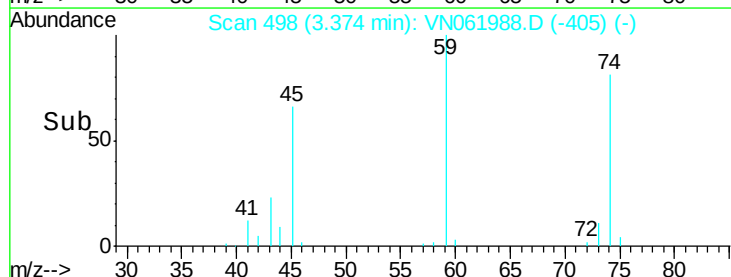
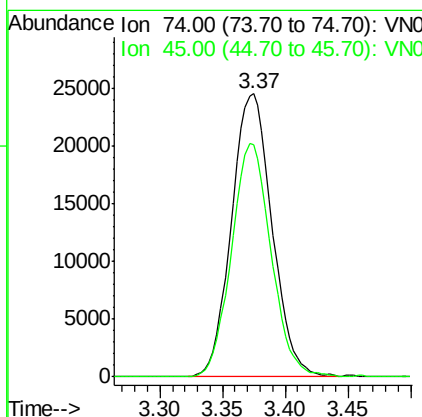
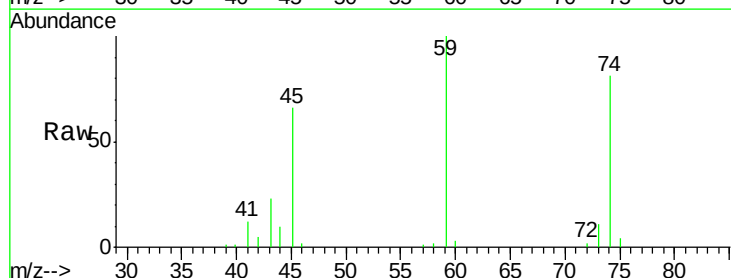
MMDadoda
6/22/2020 10:30:32 AM

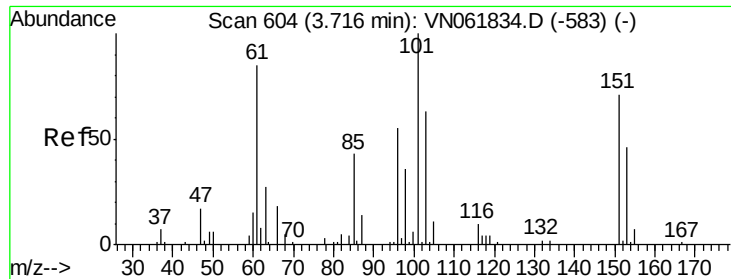


#8

Diethyl Ether
Concen: 55.619 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		55012		
45	80.5	39.1	117.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.193 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

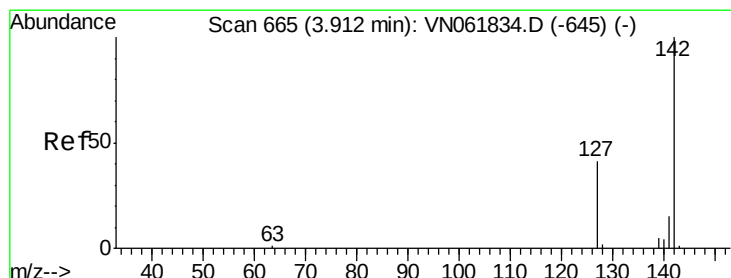
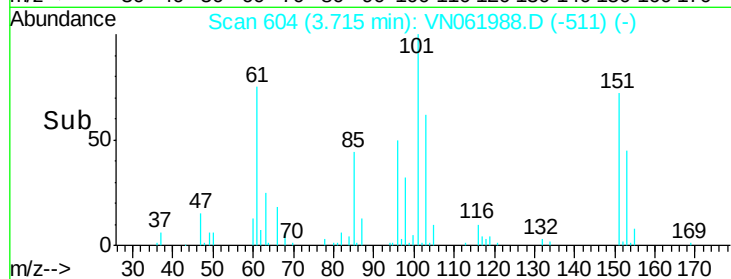
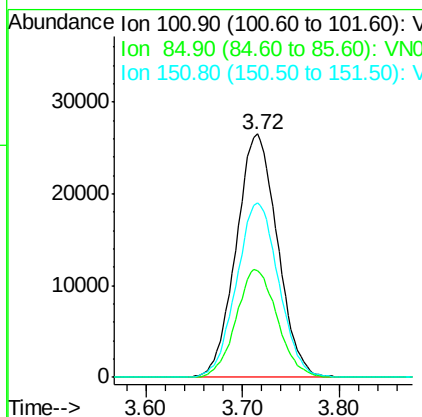
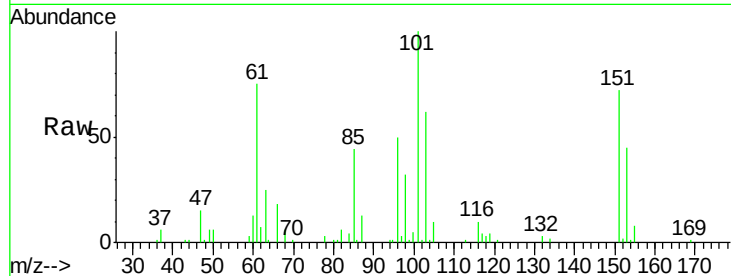
ClientSampleId :

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Tot Ion:	101	Resp:	78779
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.0	52.6
151	73.1	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 55.086 ug/l

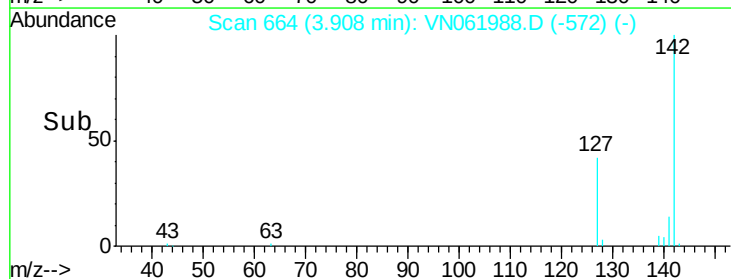
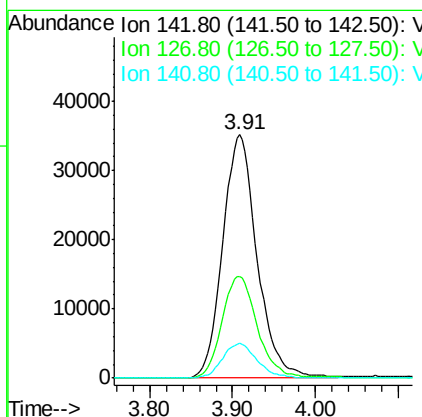
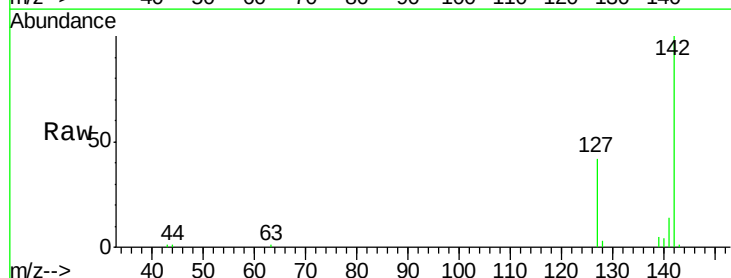
RT: 3.91 min Scan# 664

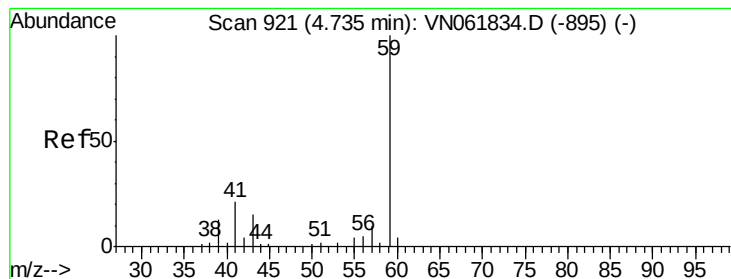
Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Tgt Ion:	142	Resp:	101450
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.4	50.0
141	14.3	11.3	16.9





#11

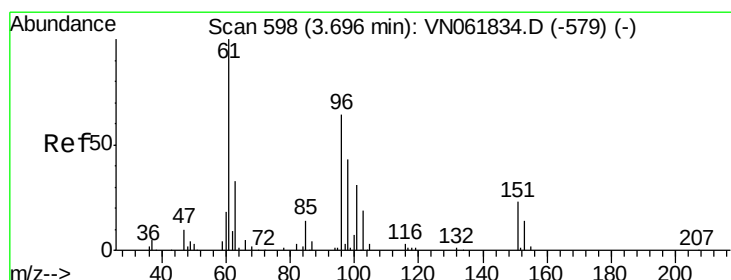
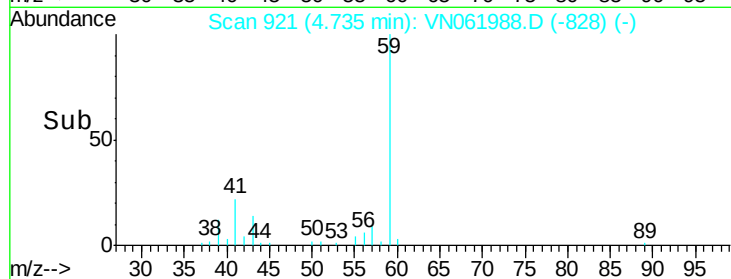
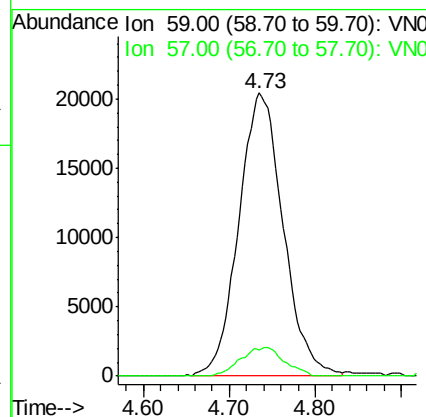
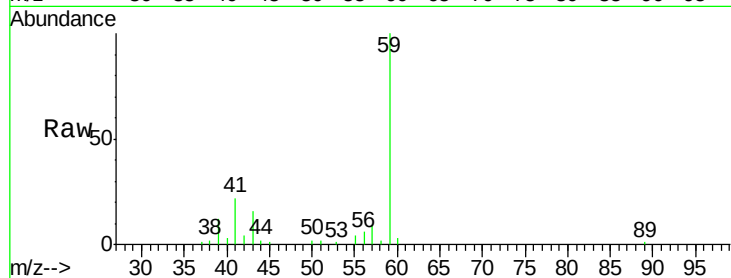
Tert butyl alcohol
 Concen: 265.516 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	9.9	Resp	73348	Lower	Upper
59	100								
57		9.9						7.7	11.5

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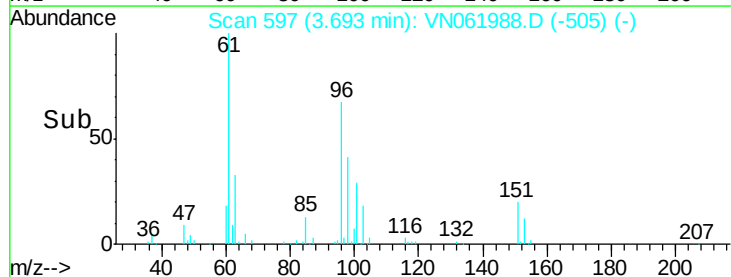
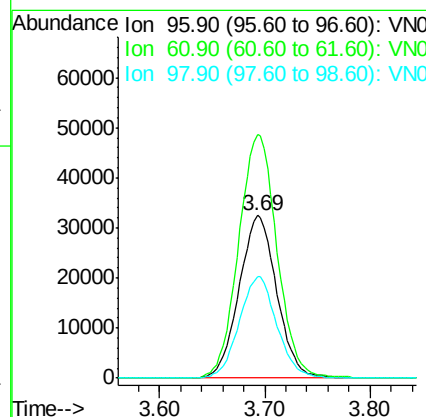
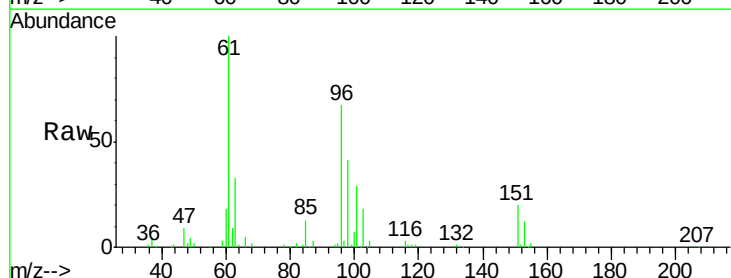
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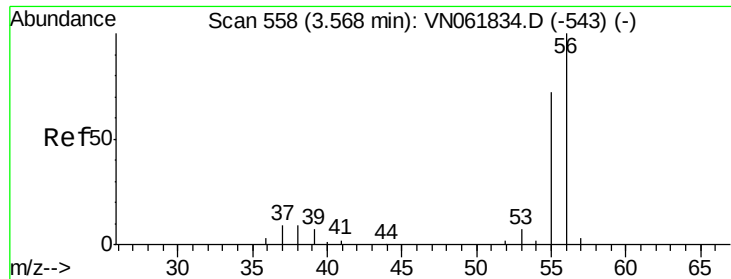


#12

1,1-Dichloroethene
 Concen: 53.283 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion	96	61	98	Ratio	100	149.9	62.2	Resp	80584	Lower	Upper
96	100										
61		149.9								124.3	186.5
98		62.2								53.1	79.7





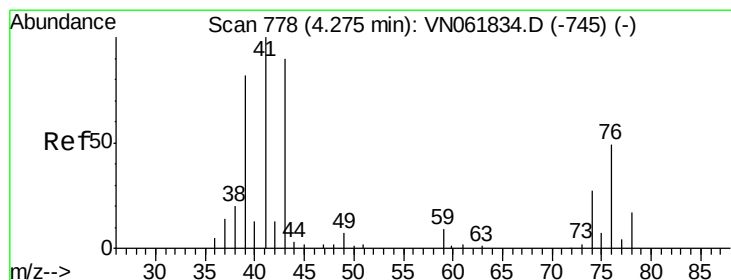
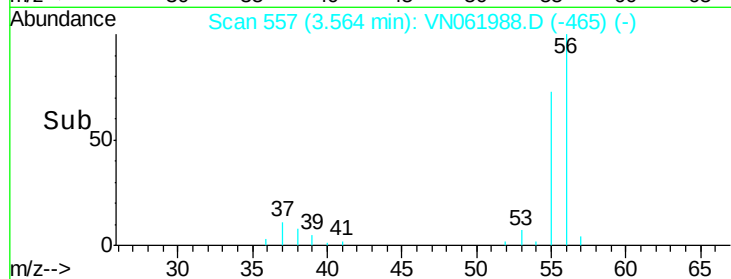
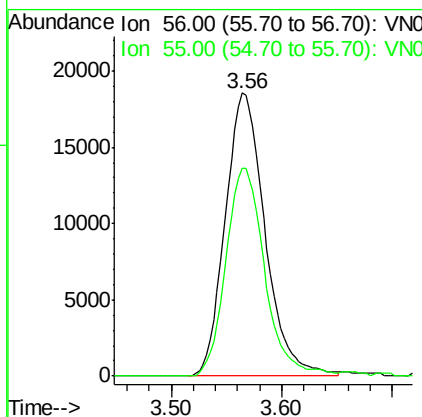
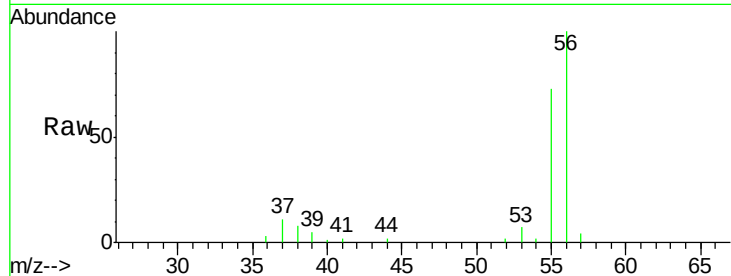
#13
Acrolein
Concen: 281.099 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.6	56.2	84.4	

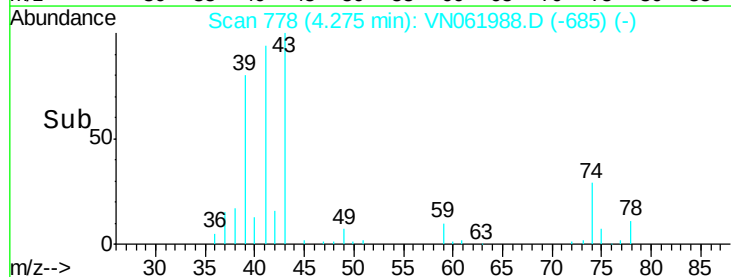
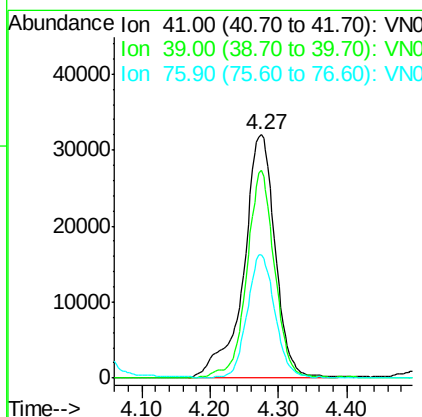
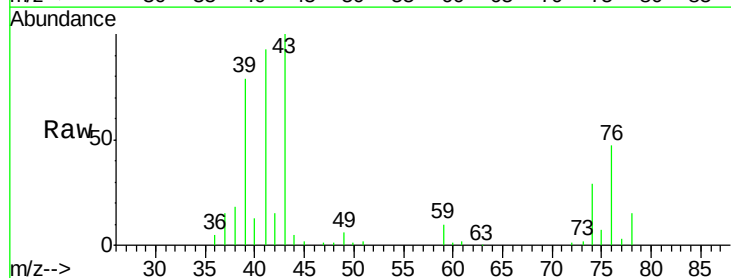
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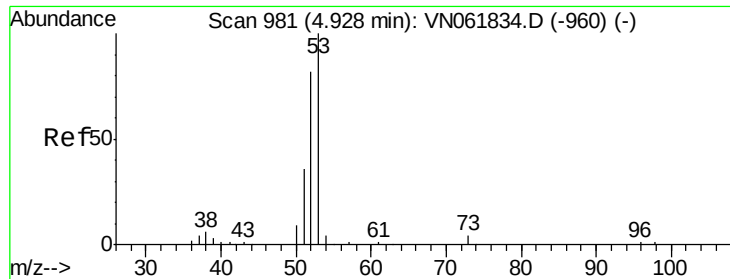
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#14
Allyl chloride
Concen: 51.571 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	74.6	60.2	90.2	
76	44.1	36.3	54.5	





#15

Acrylonitrile

Concen: 293.727 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

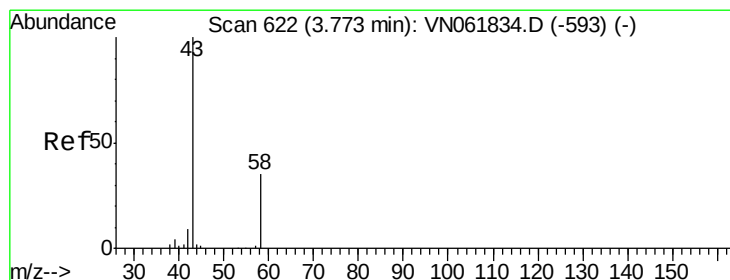
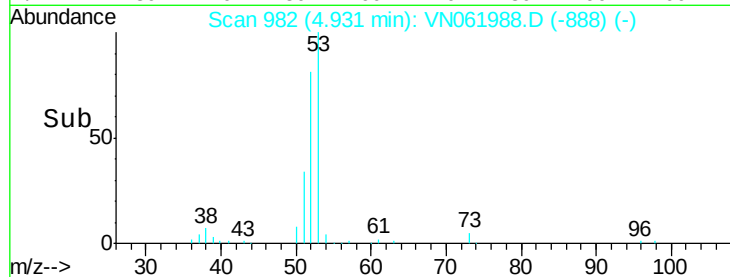
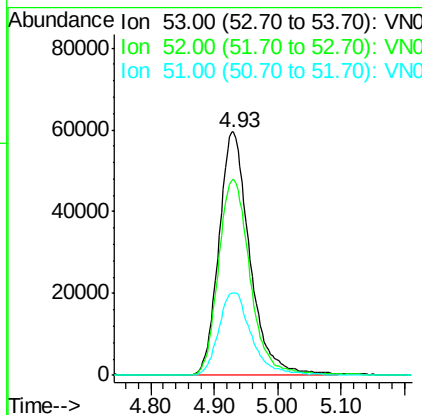
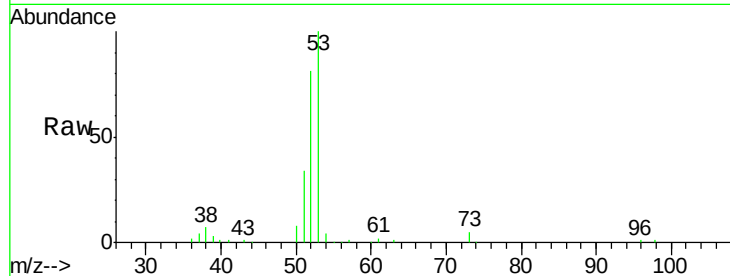
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	201055
Ion Ratio		Lower	Upper
53	100		
52	82.3	65.2	97.8
51	35.8	29.3	43.9

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#16

Acetone

Concen: 269.159 ug/l

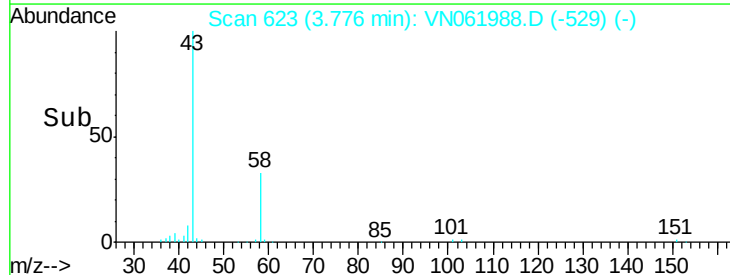
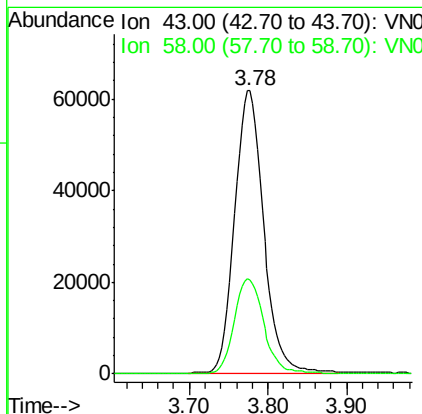
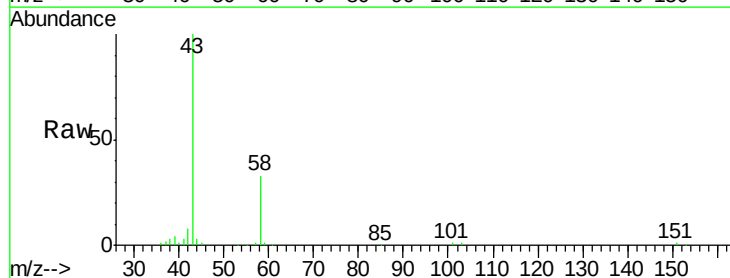
RT: 3.78 min Scan# 623

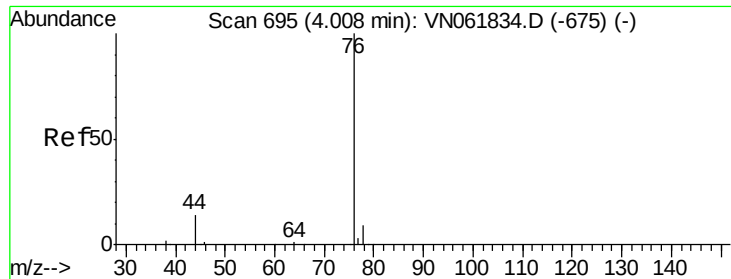
Delta R.T. 0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Tgt Ion:	43	Resp:	158715
Ion Ratio		Lower	Upper
43	100		
58	33.4	27.8	41.8





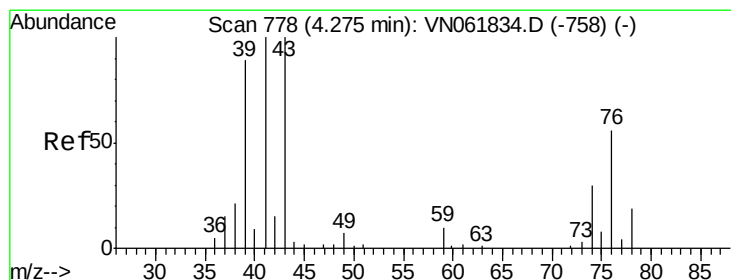
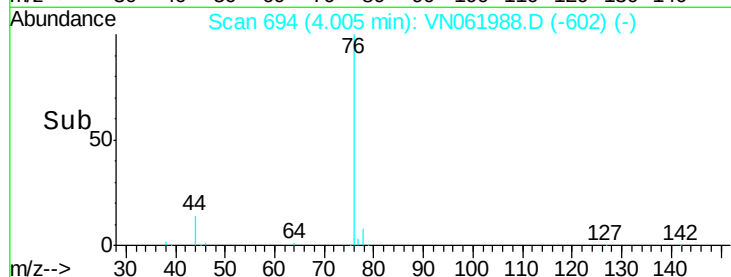
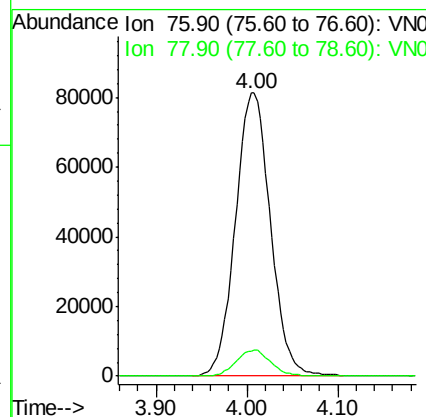
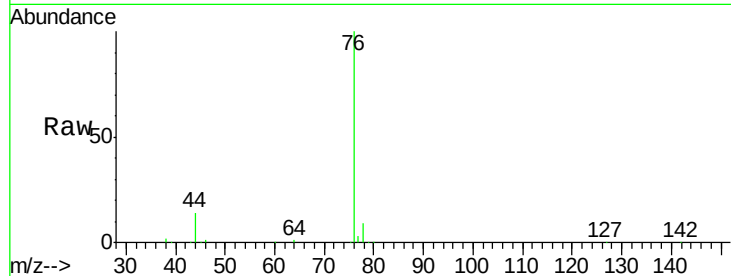
#17
Carbon Disulfide
Concen: 49.150 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

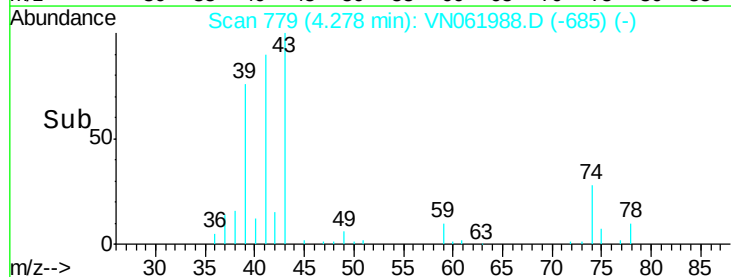
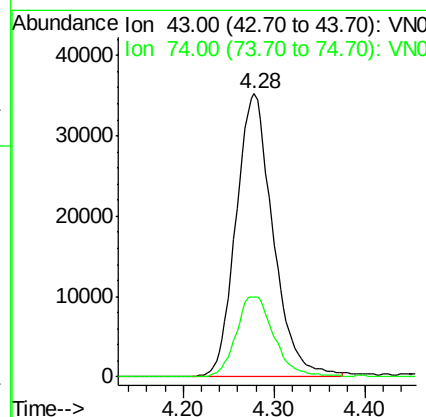
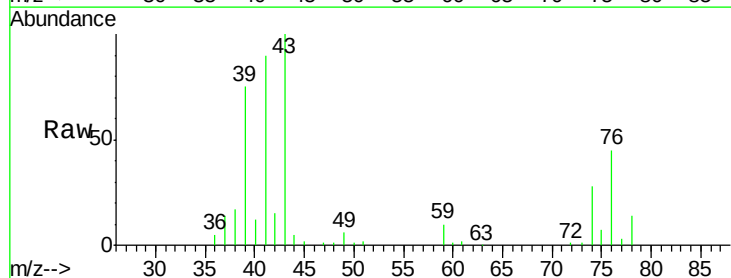
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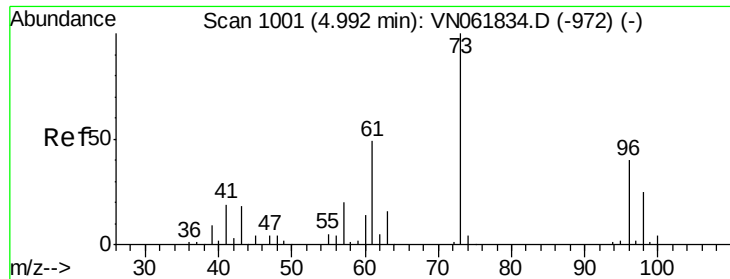
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#18
Methyl Acetate
Concen: 58.845 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.9	23.0	34.4





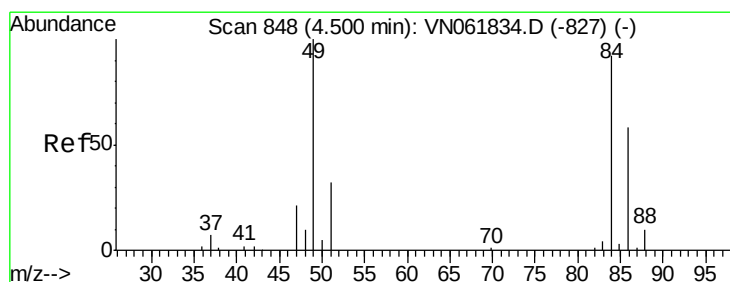
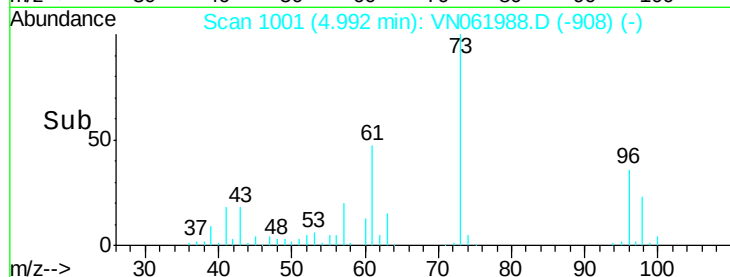
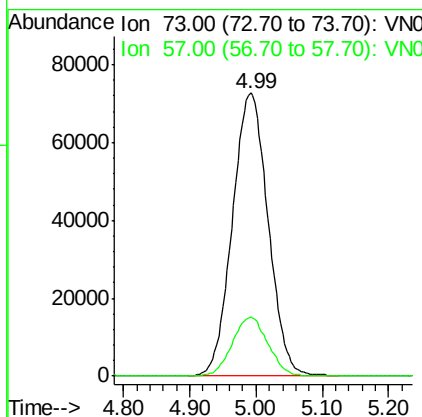
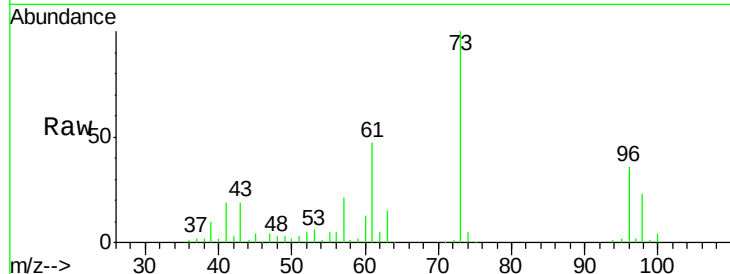
#19
Methyl tert-butyl Ether
Concen: 53.989 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 271864
Ion Ratio Lower Upper
73 100
57 20.8 16.2 24.4

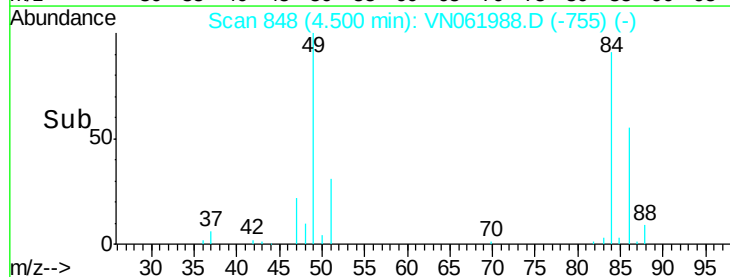
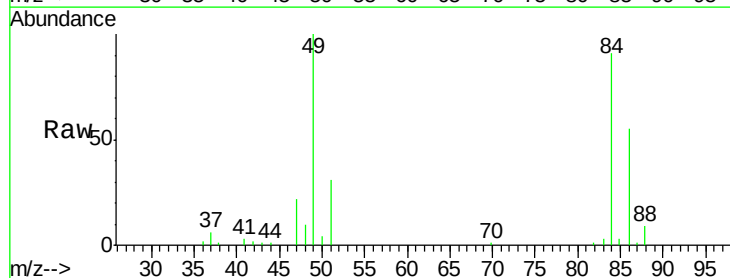
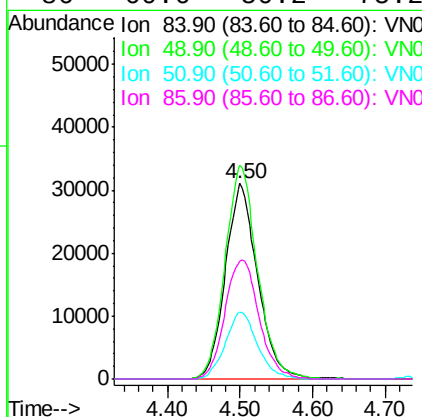
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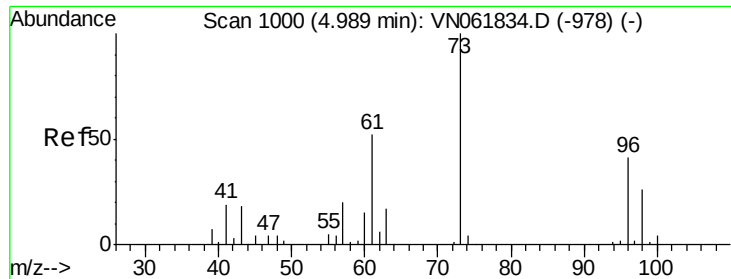
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#20
Methylene Chloride
Concen: 50.117 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 84 Resp: 96282
Ion Ratio Lower Upper
84 100
49 109.3 87.0 130.4
51 34.2 27.8 41.6
86 60.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 50.809 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 88263

Ion Ratio Lower Upper

96 100

61 132.1 102.2 153.4

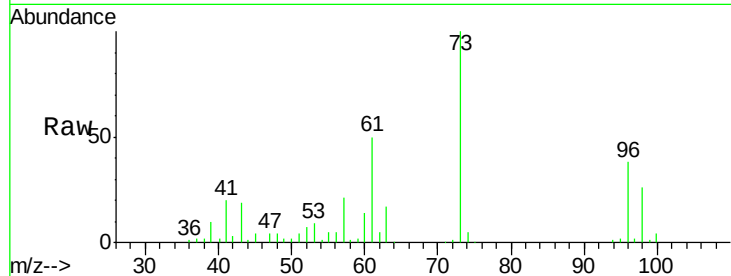
98 67.7 51.2 76.8

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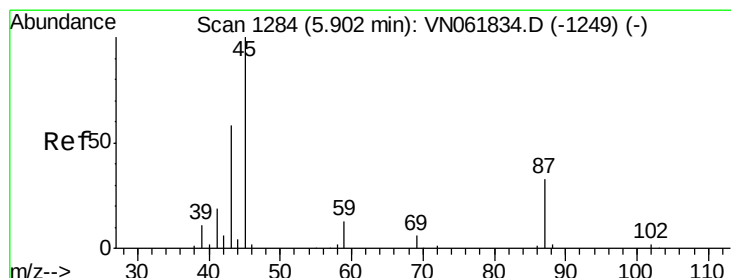
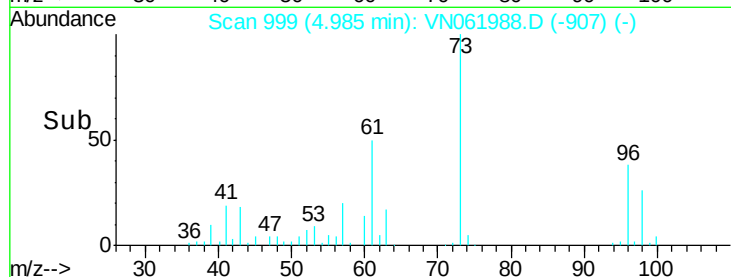
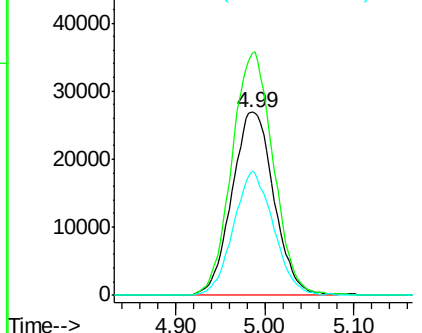
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Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-978) (-)

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: 53.709 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Tgt Ion: 45 Resp: 246562

Ion Ratio Lower Upper

45 100

43 61.4 49.4 74.2

87 33.5 27.4 41.0

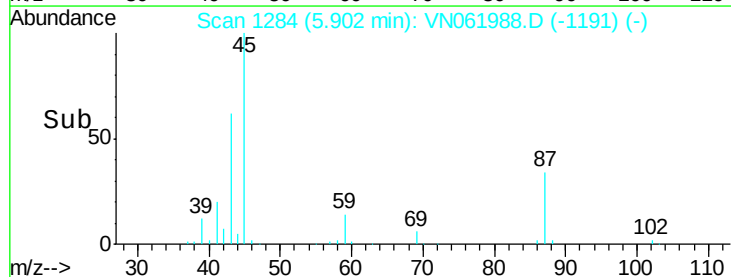
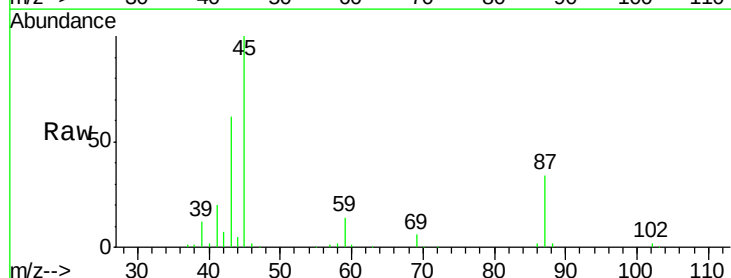
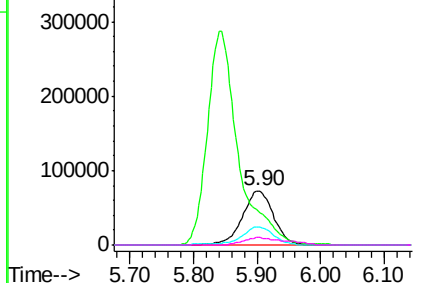
59 13.6 10.6 15.8

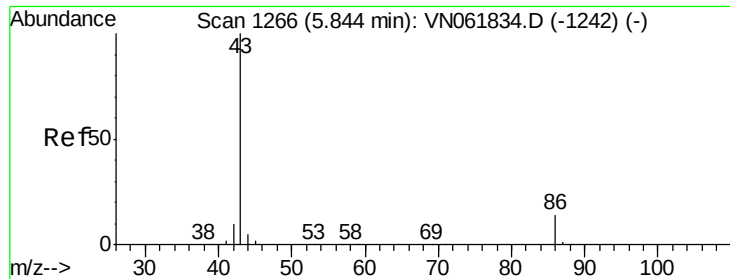
Abundance Ion 45.00 (44.70 to 45.70): VN061834.D (-1249) (-)

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: 268.518 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 969517

Ion Ratio Lower Upper

43 100

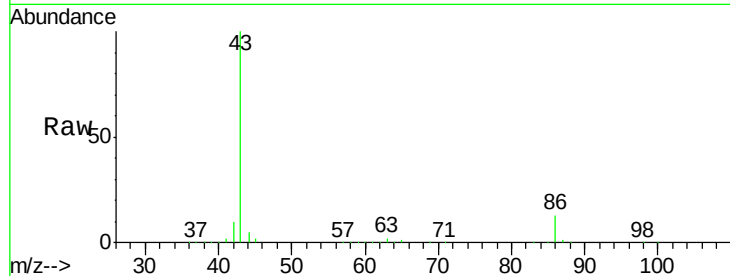
86 13.1 10.9 16.3

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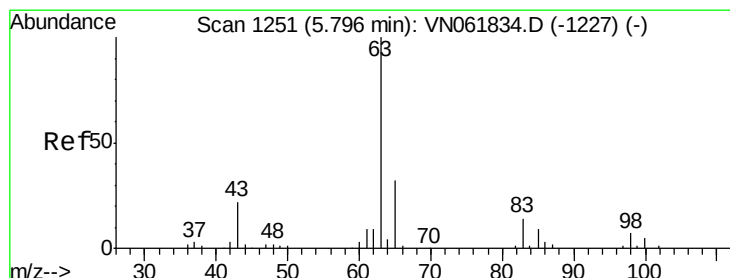
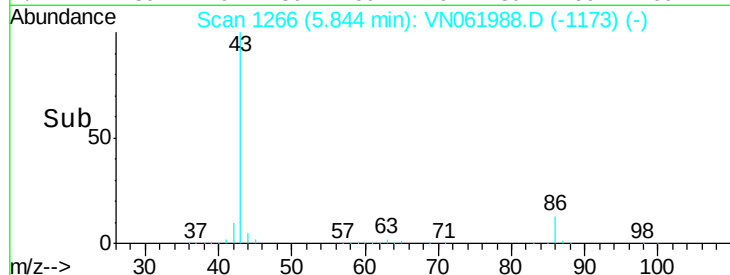
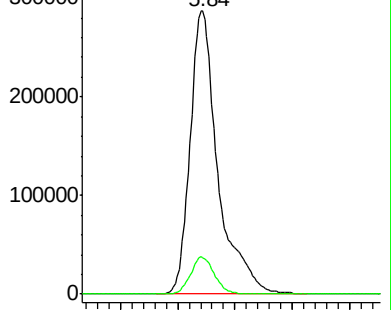
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.750 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

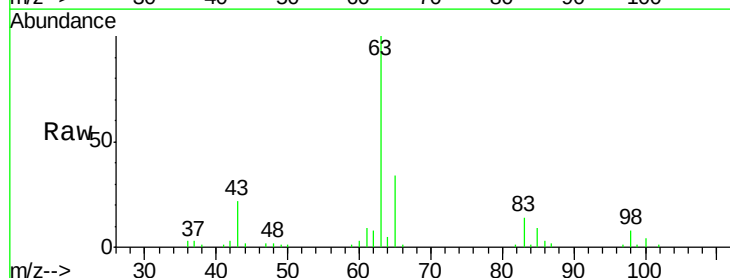
Tgt Ion: 63 Resp: 158520

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

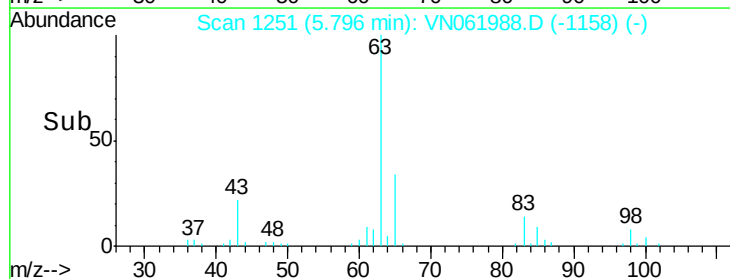
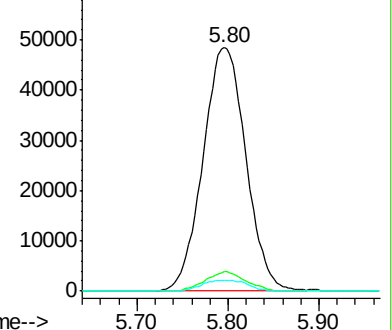
100 4.4 2.5 7.4

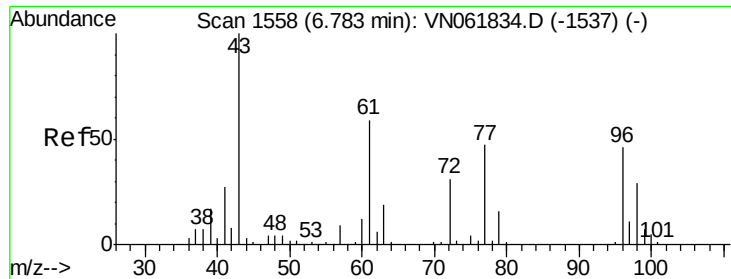


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 284.112 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 244430

Ion Ratio Lower Upper

43 100

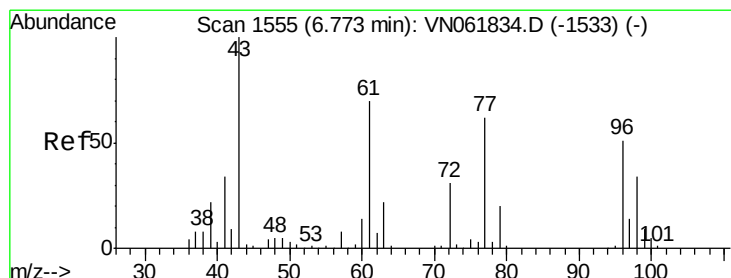
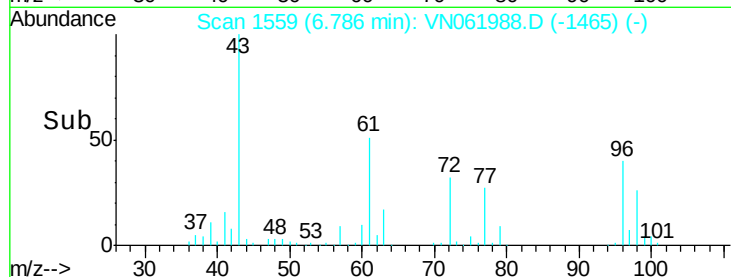
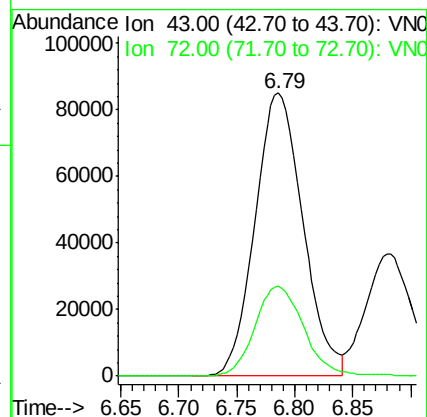
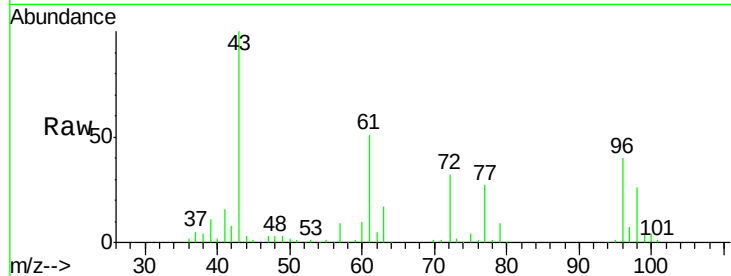
72 31.8 24.6 37.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 33.491 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061988.D

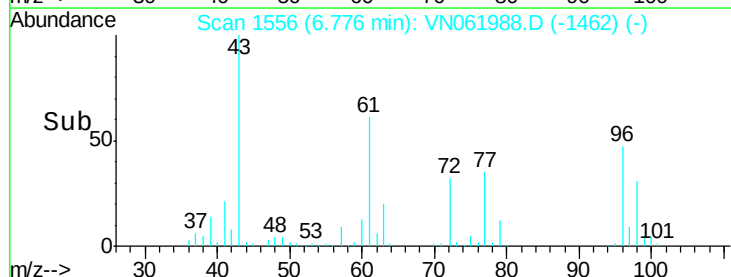
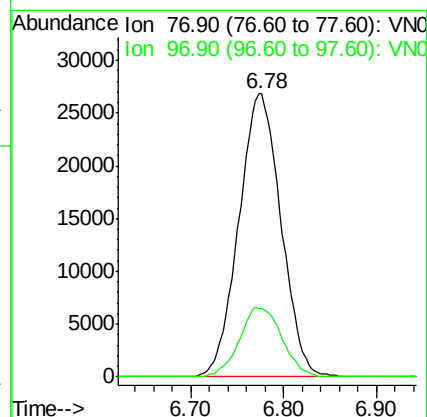
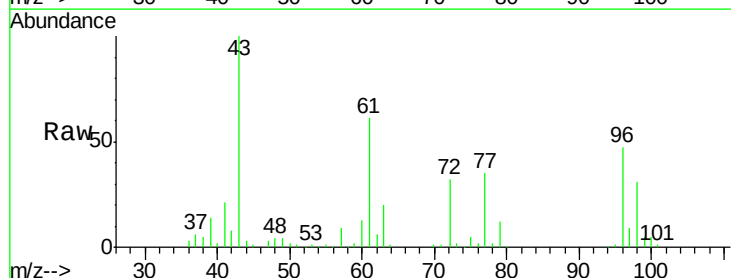
Acq: 20 Jun 2020 9:41

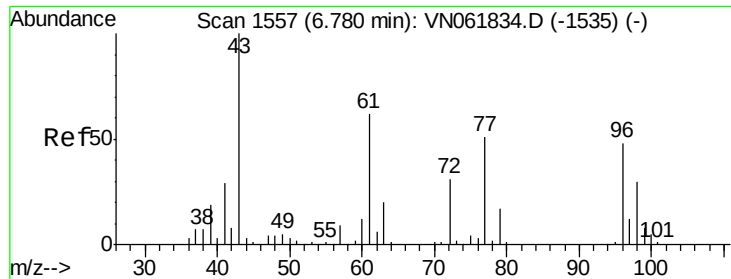
Tgt Ion: 77 Resp: 84675

Ion Ratio Lower Upper

77 100

97 24.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 53.123 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

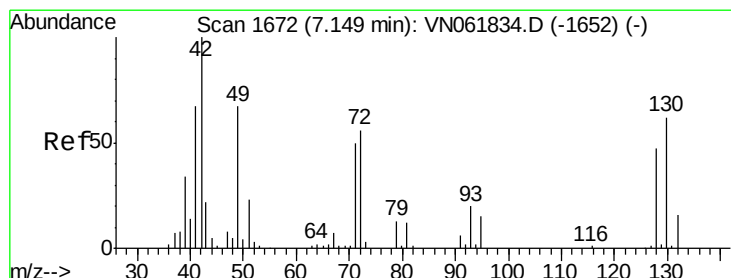
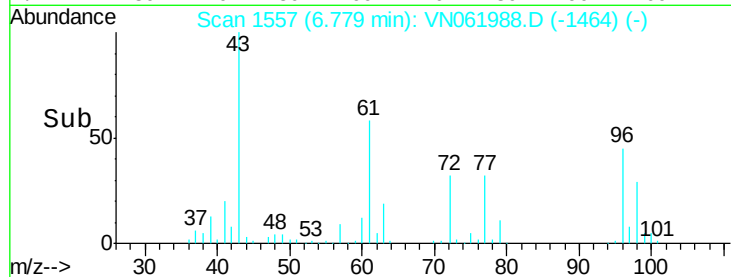
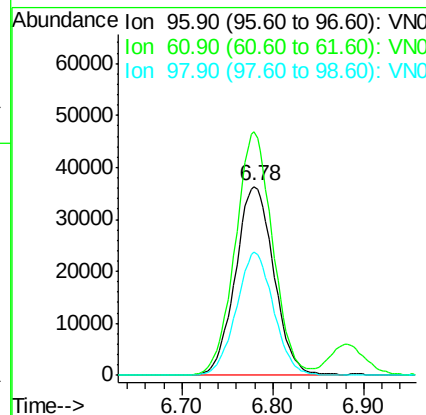
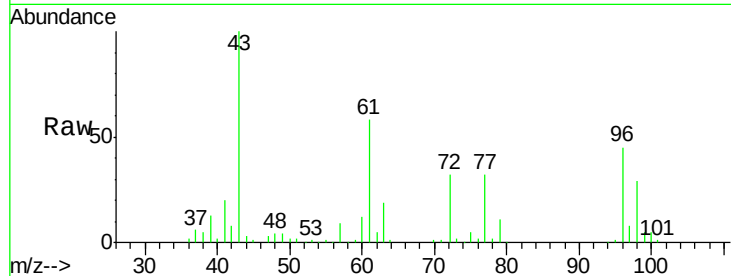
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	106481
Ion Ratio	Lower	Upper	
96	100		
61	125.5	0.0	265.6
98	63.3	0.0	128.2

Manual Integrations
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6/22/2020 10:30:32 AM



#28

Bromochloromethane

Concen: 51.865 ug/l

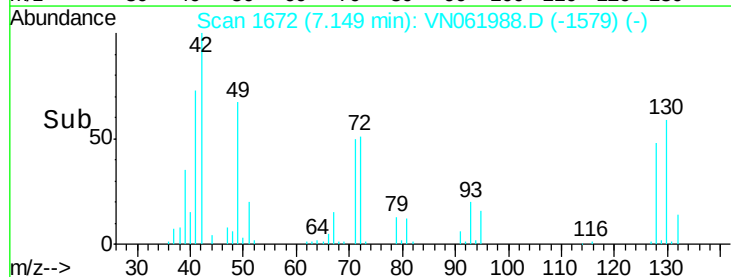
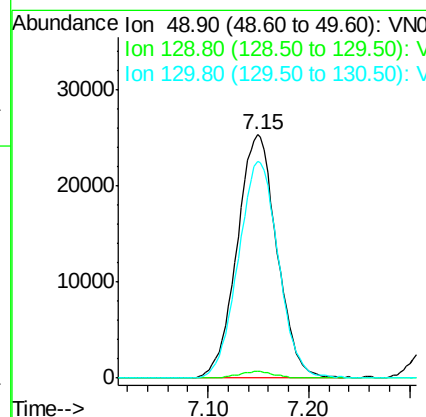
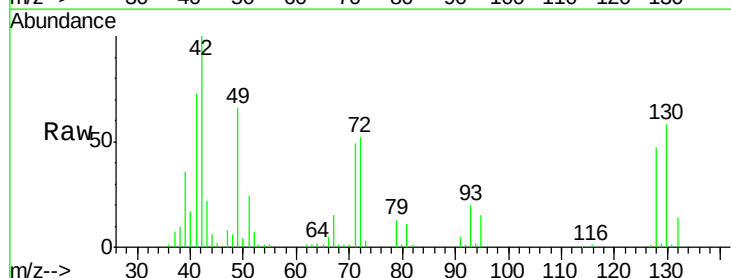
RT: 7.15 min Scan# 1672

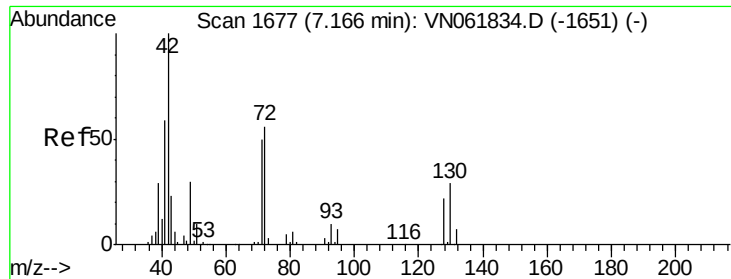
Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Tgt Ion:	49	Resp:	69397
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.0
130	89.5	72.2	108.2





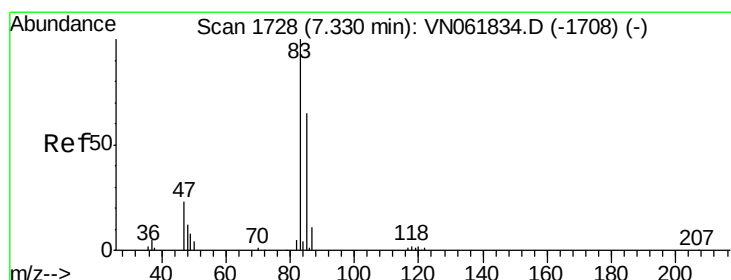
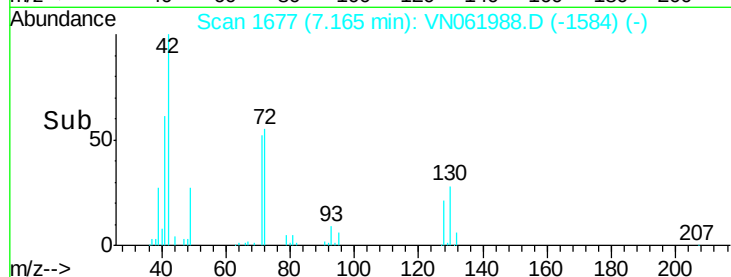
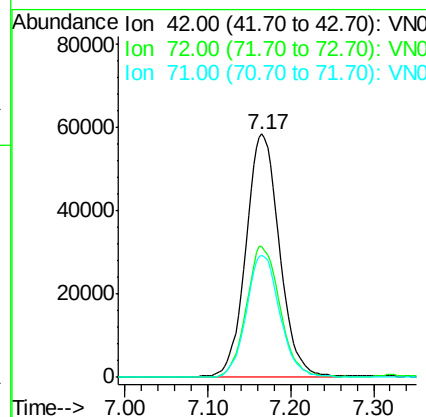
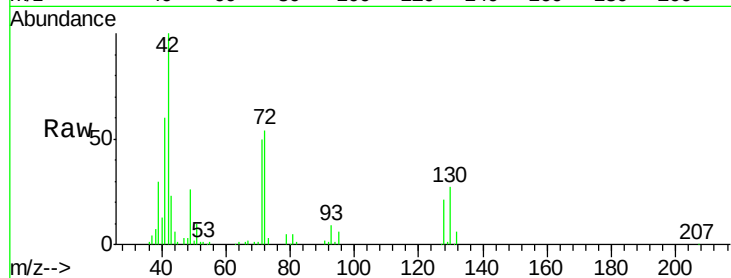
#29
Tetrahydrofuran
Concen: 290.422 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.5	44.0	66.0
71	49.8	40.0	60.0

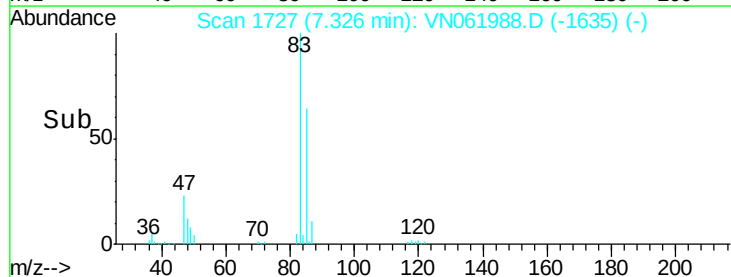
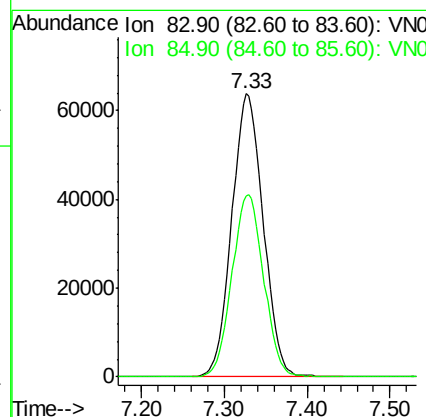
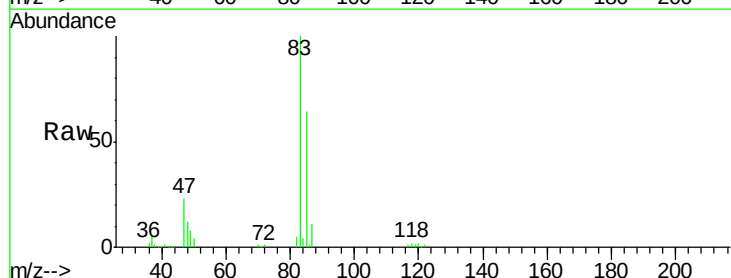
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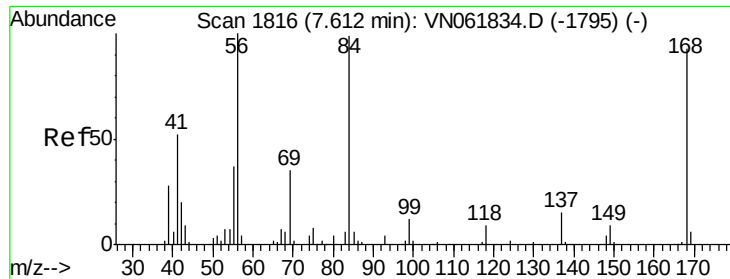
MMDadoda
6/22/2020 10:30:32 AM



#30
Chloroform
Concen: 52.396 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.0	78.0





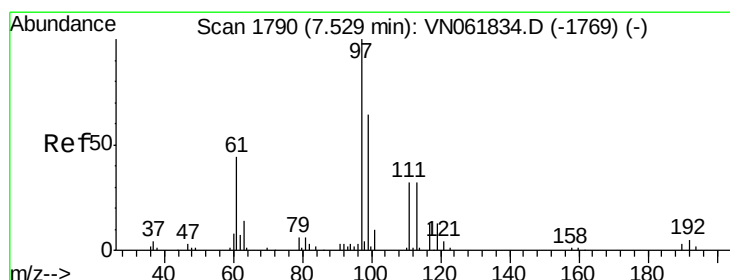
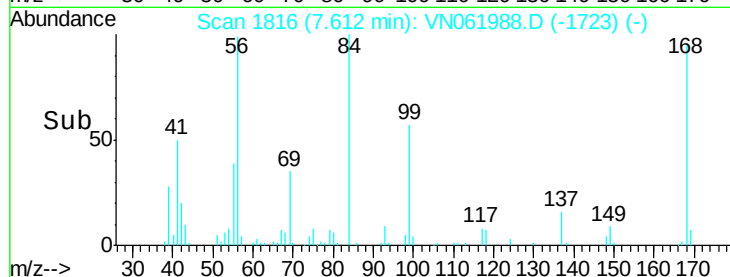
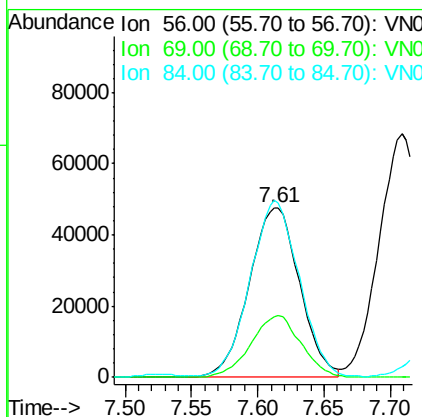
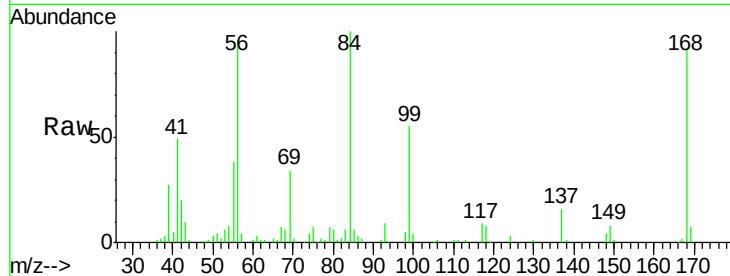
#31
Cyclohexane
Concen: 48.193 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	27.7	41.5
84	103.5	79.1	118.7

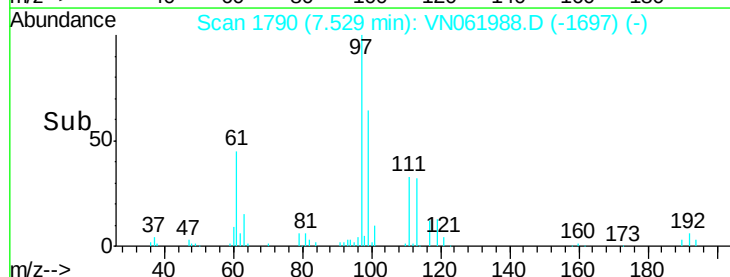
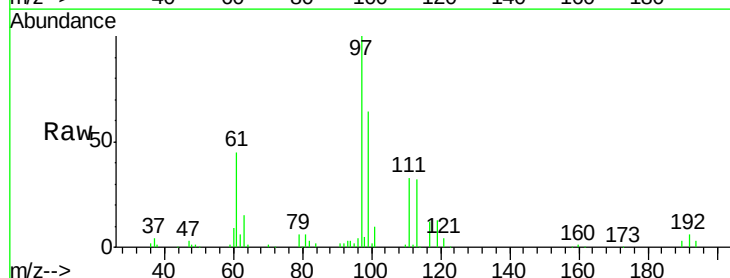
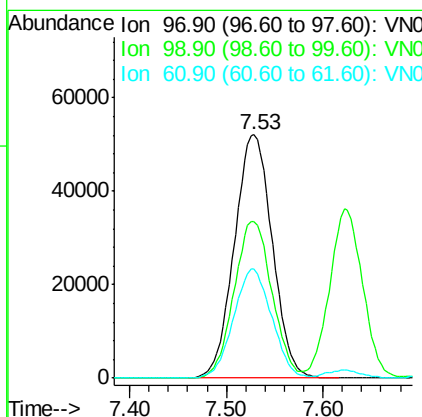
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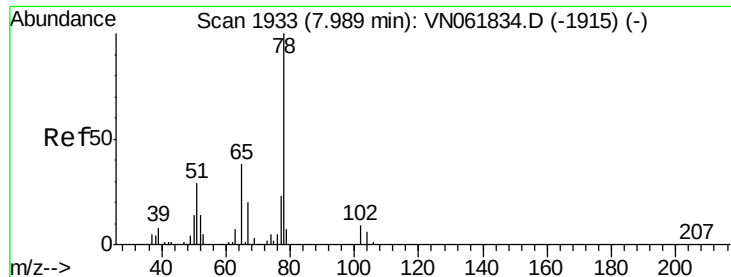
MMDadoda
6/22/2020 10:30:32 AM



#32
1,1,1-Trichloroethane
Concen: 51.930 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	45.0	35.1	52.7





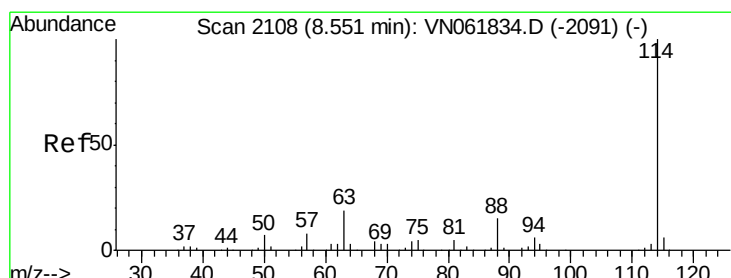
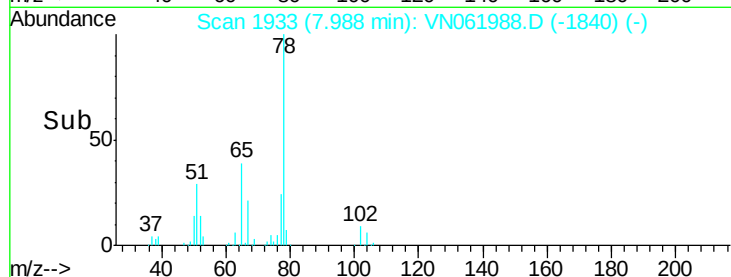
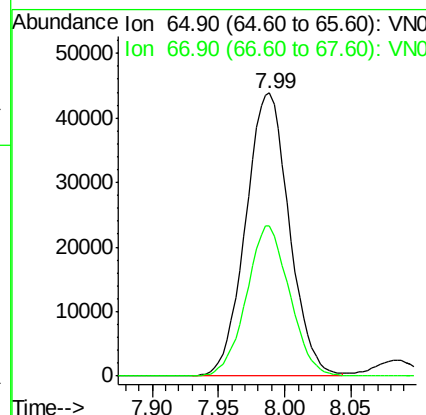
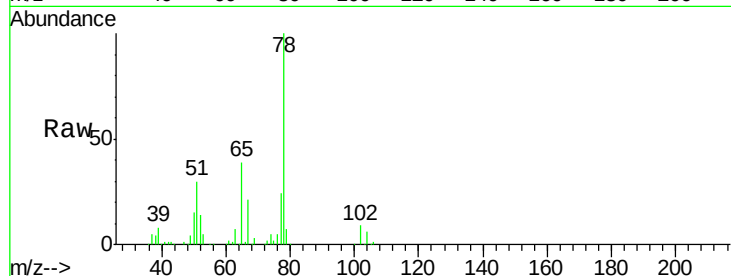
#33
 1,2-Dichloroethane-d4
 Concen: 50.205 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100224		
67	52.6	0.0	106.2	

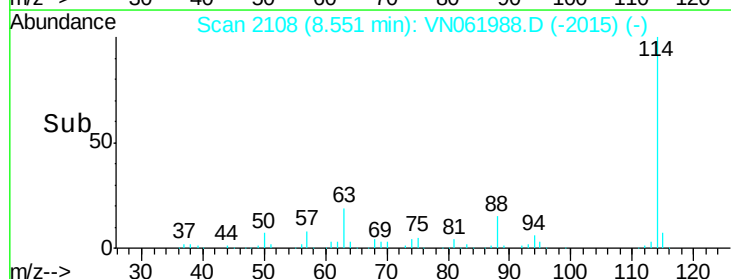
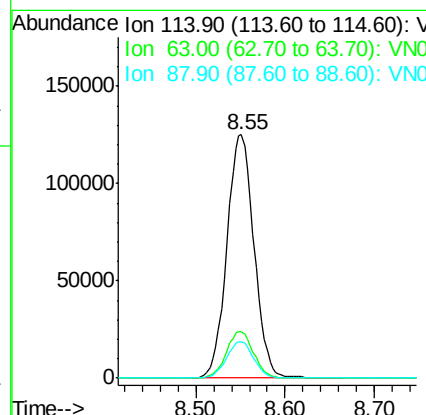
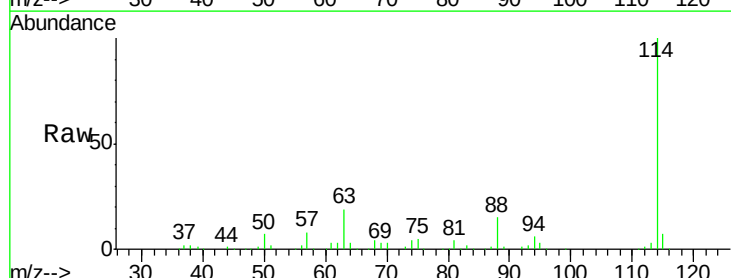
Manual Integrations
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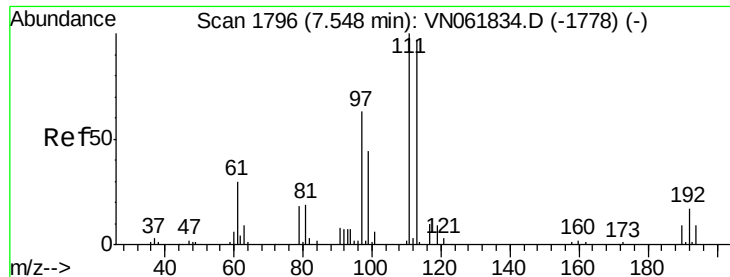
MMDadoda
 6/22/2020 10:30:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	262747		
63	19.2	0.0	37.6	
88	15.1	0.0	31.0	





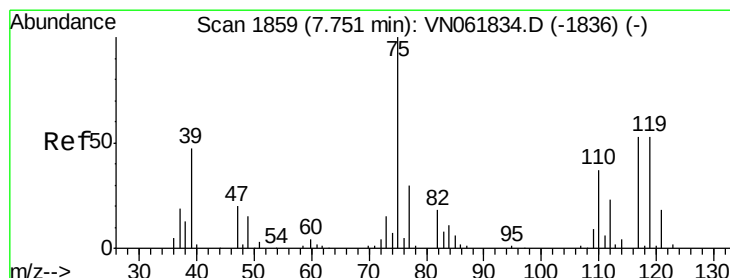
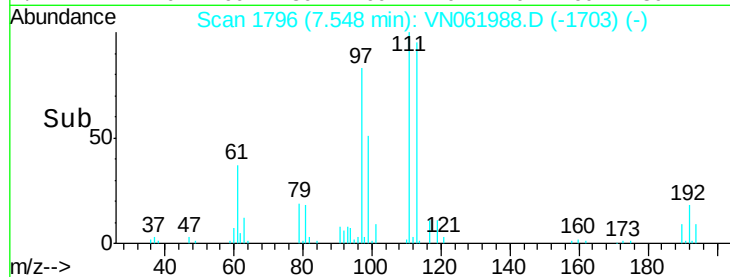
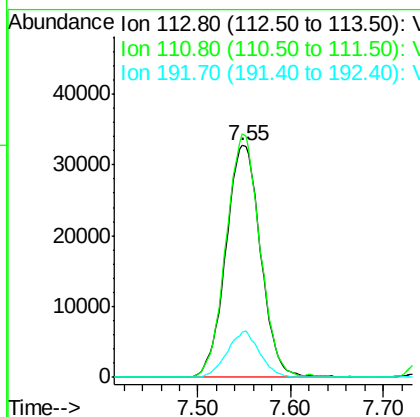
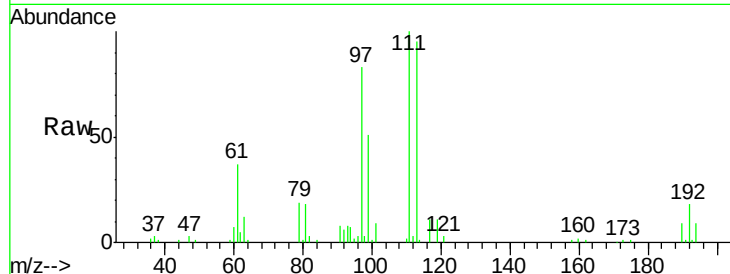
#35
 Dibromofluoromethane
 Concen: 50.574 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85010		
111	101.9	83.7	125.5	
192	18.4	13.9	20.9	

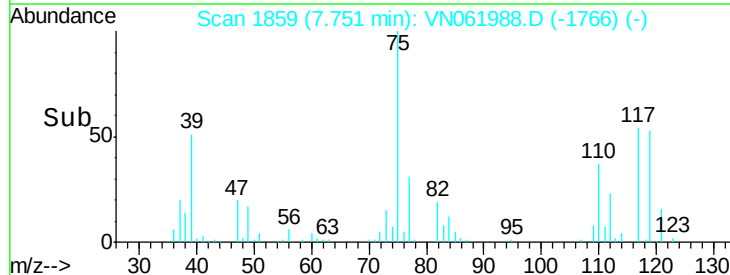
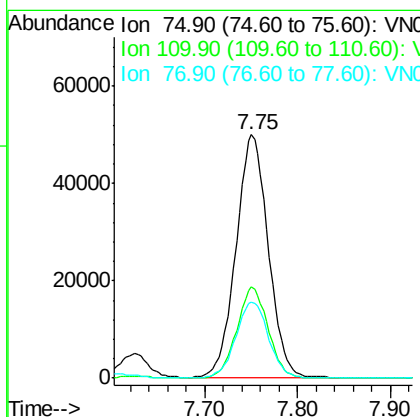
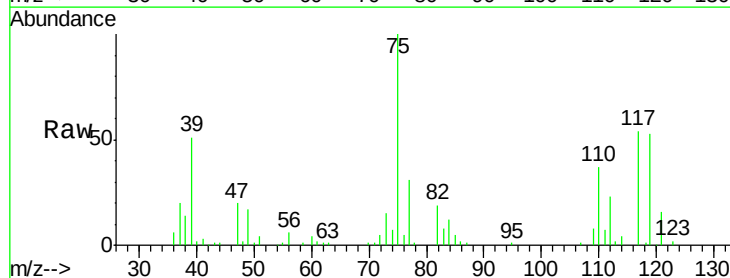
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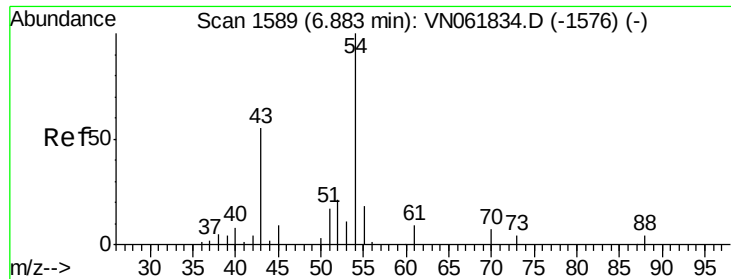
MMDadoda
 6/22/2020 10:30:32 AM



#36
 1,1-Dichloropropene
 Concen: 50.507 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	121043		
110	35.9	18.2	54.6	
77	31.6	24.2	36.4	





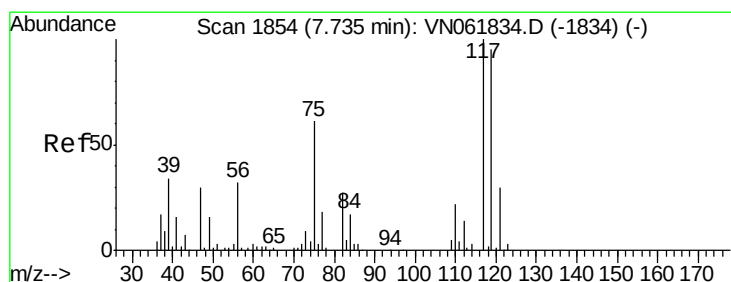
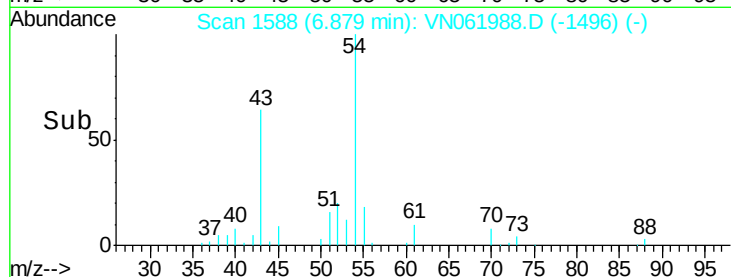
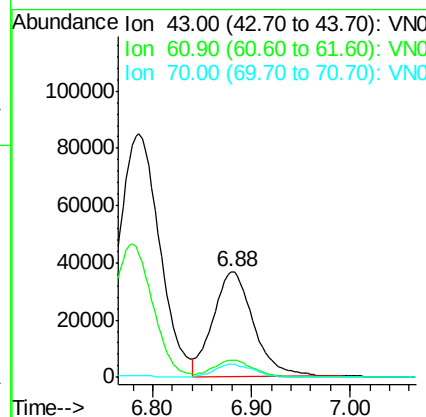
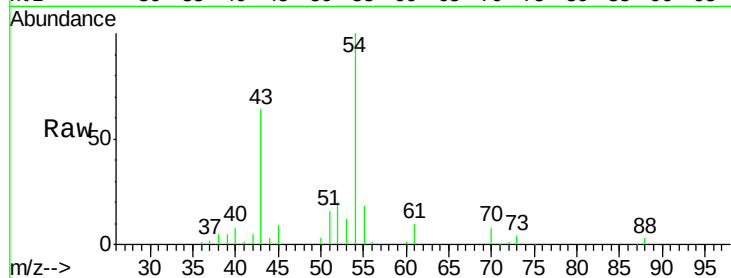
#37
Ethyl Acetate
Concen: 56.140 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	13.0	19.4
70	12.0	9.4	14.2

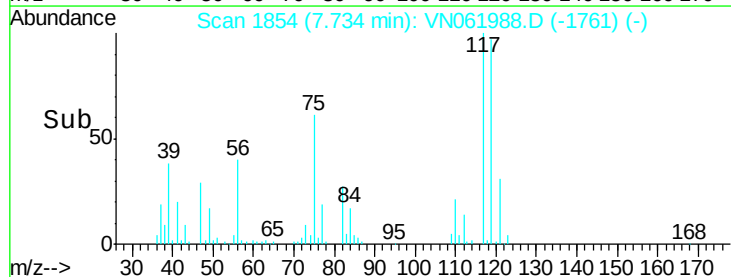
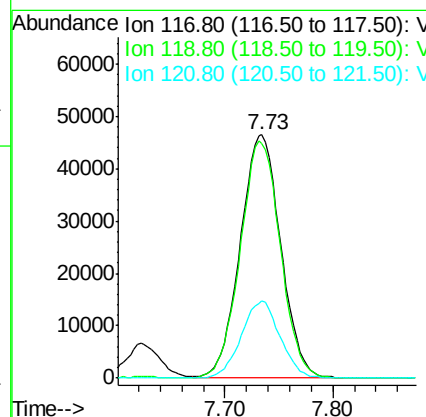
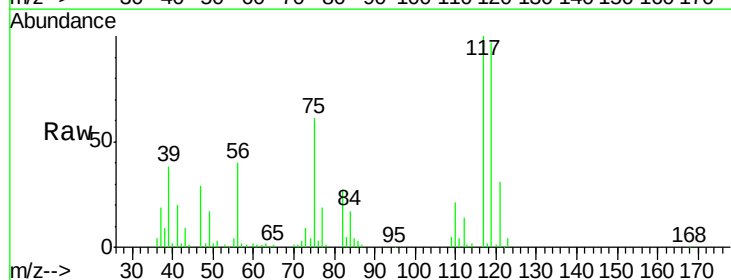
Manual Integrations
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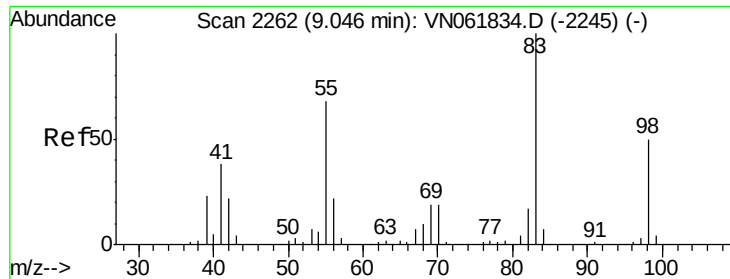
MMDadoda
6/22/2020 10:30:32 AM



#38
Carbon Tetrachloride
Concen: 51.091 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.6
121	31.5	23.8	35.6





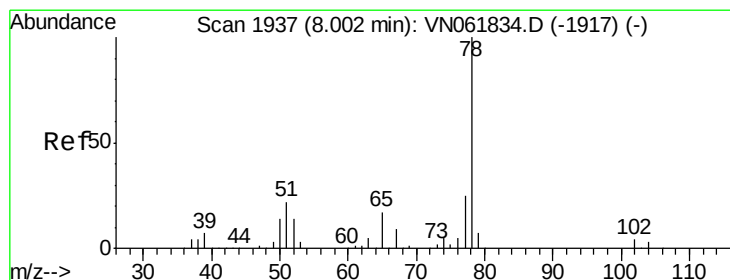
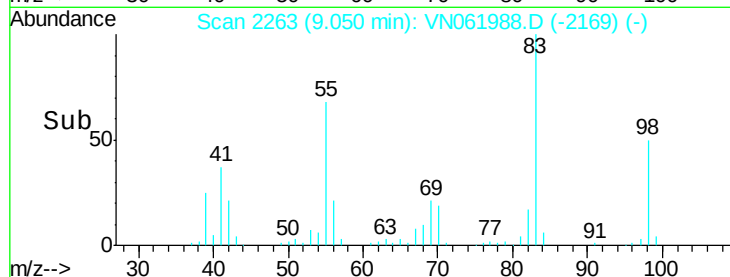
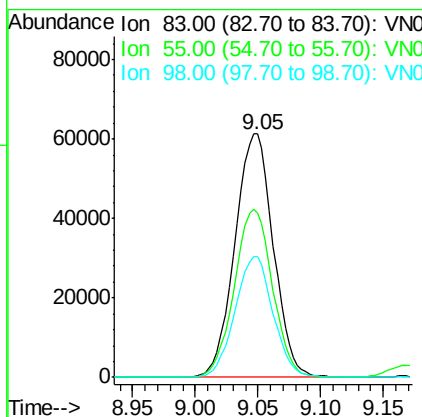
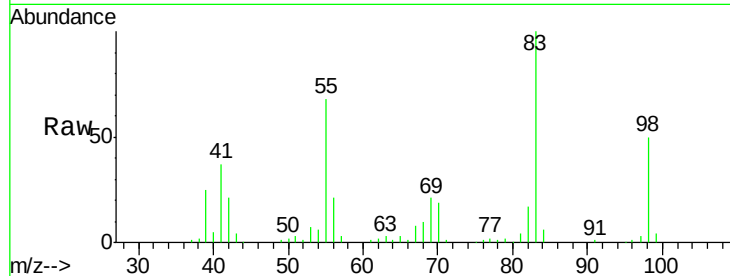
#39
Methylvlcyclohexane
Concen: 50.563 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	54.2	81.4
98	49.7	39.8	59.6

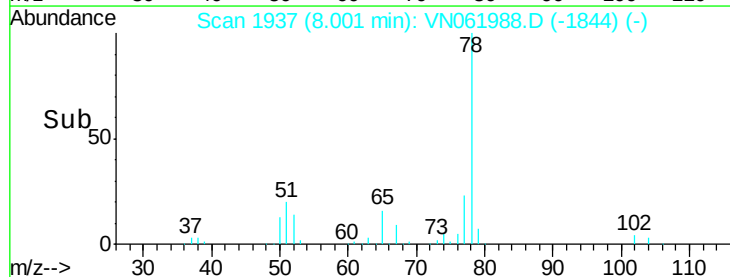
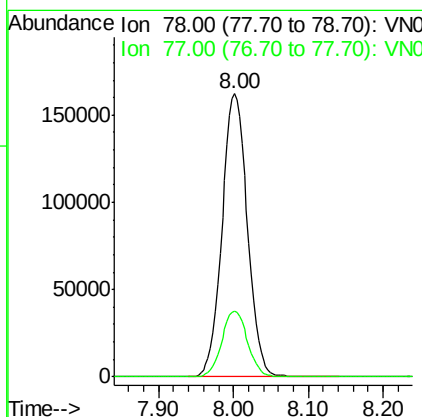
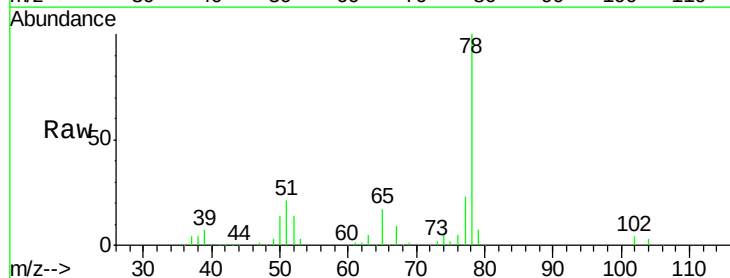
Manual Integrations
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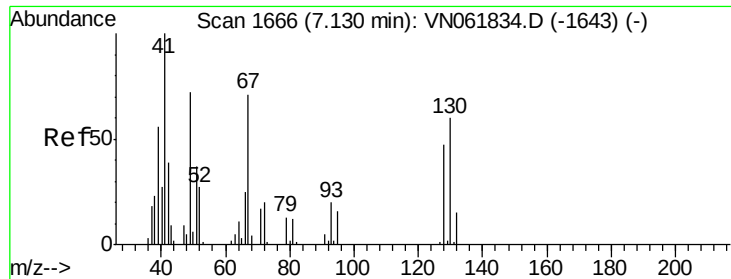
MMDadoda
6/22/2020 10:30:32 AM



#40
Benzene
Concen: 52.379 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.7	29.5





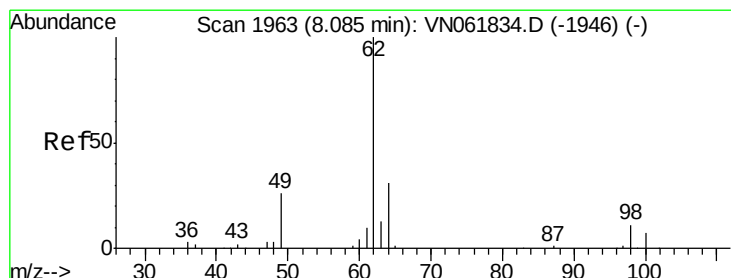
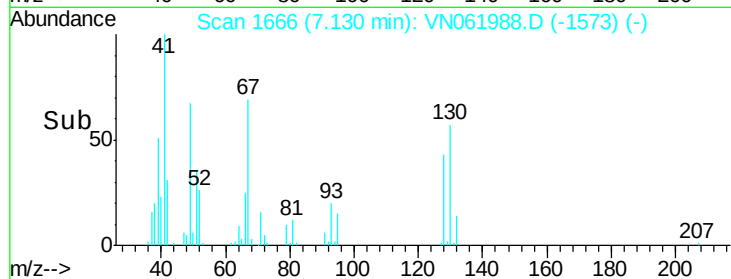
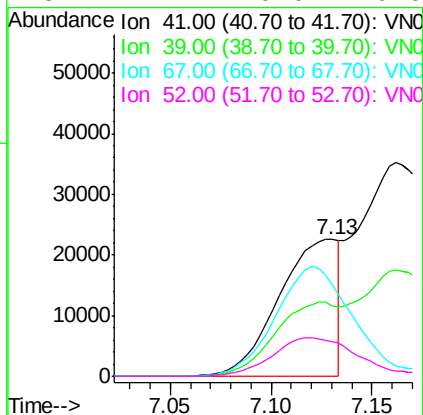
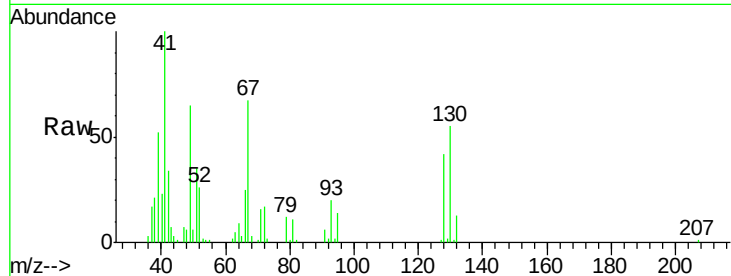
#41
Methacrylonitrile
Concen: 57.597 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	0.0	0.0#
67	105.6	0.0	0.0#
52	41.2	0.0	0.0#

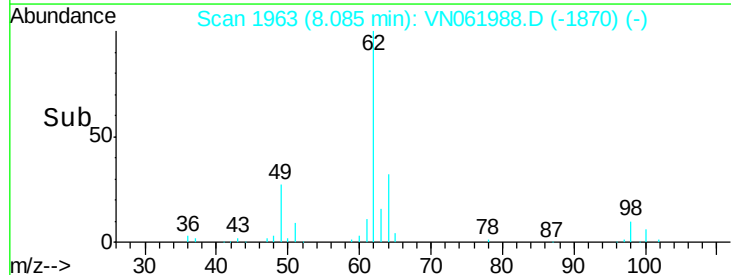
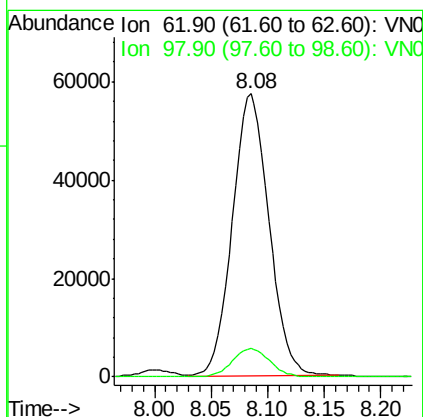
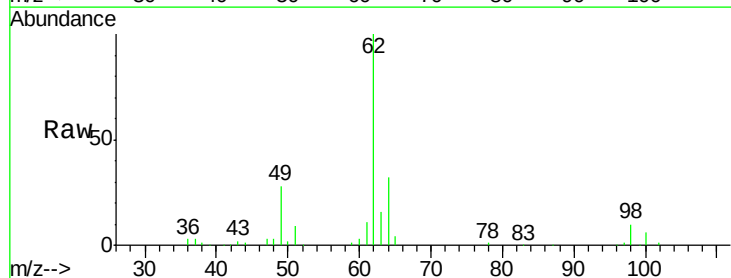
Manual Integrations
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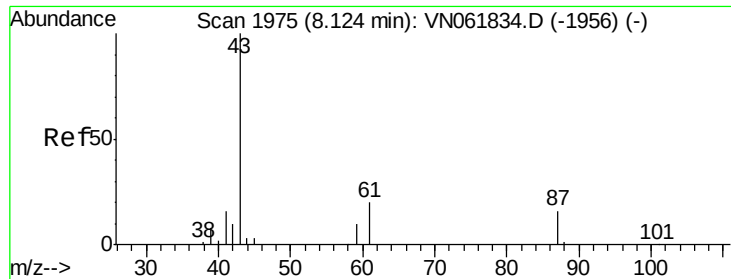
MMDadoda
6/22/2020 10:30:32 AM



#42
1,2-Dichloroethane
Concen: 52.196 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4





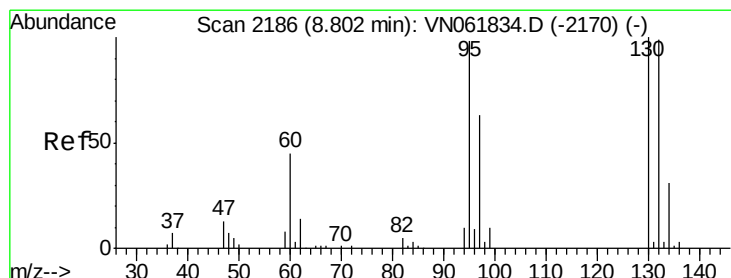
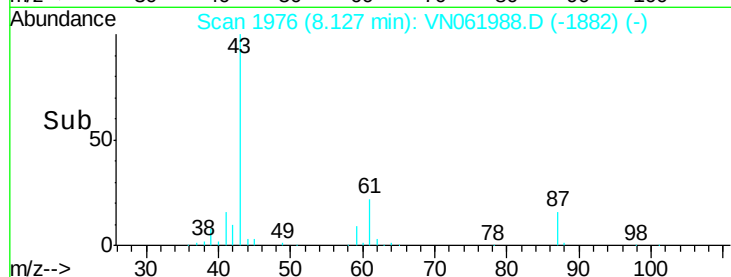
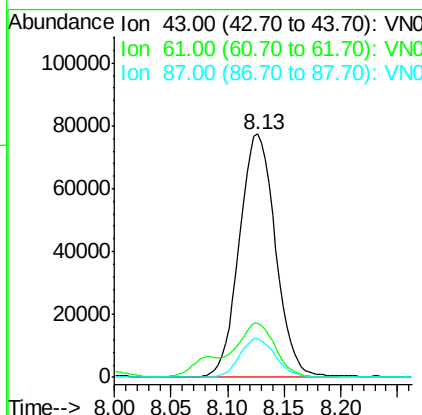
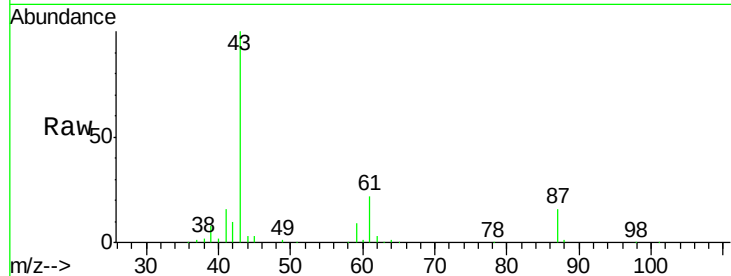
#43
Isopropyl Acetate
Concen: 54.870 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.7	24.0	36.0#
87	15.6	12.5	18.7

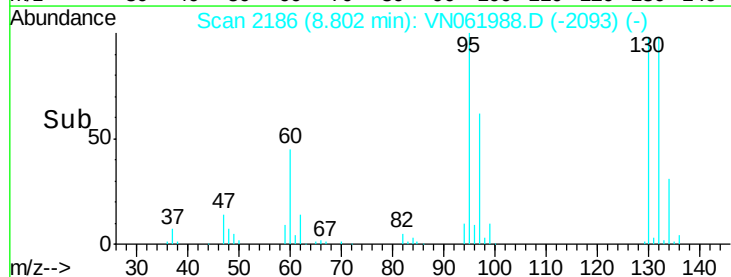
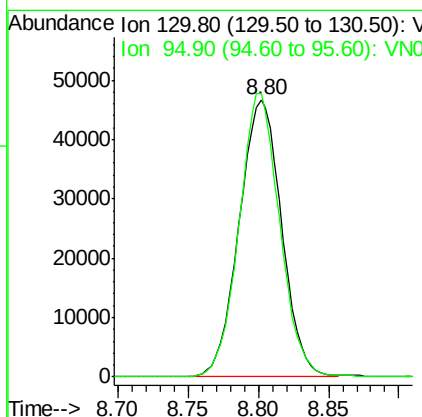
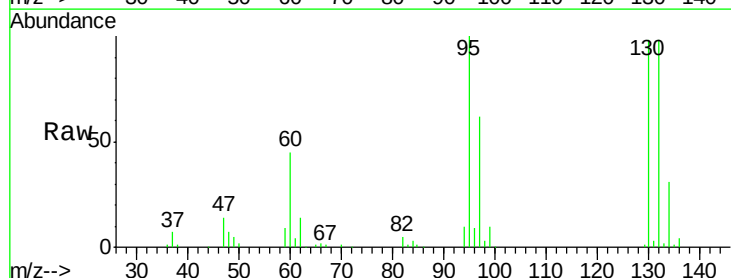
Manual Integrations
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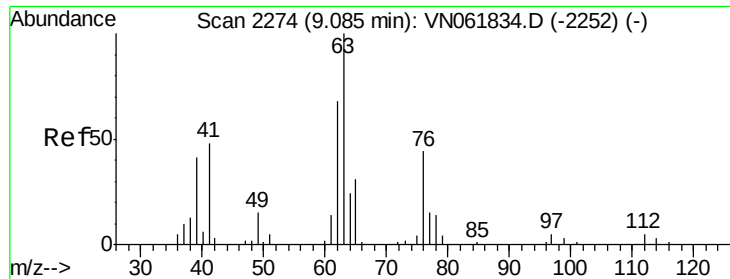
MMDadoda
6/22/2020 10:30:32 AM



#44
Trichloroethene
Concen: 51.356 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	195.6





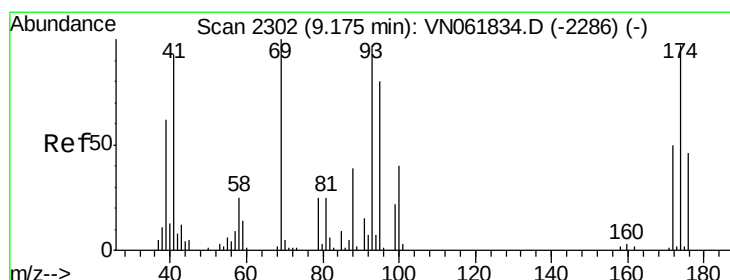
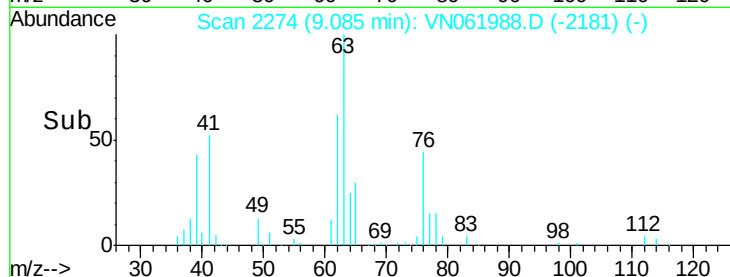
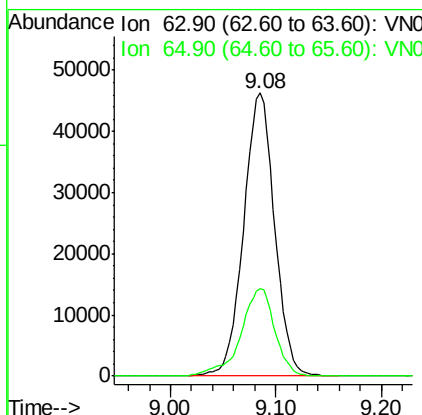
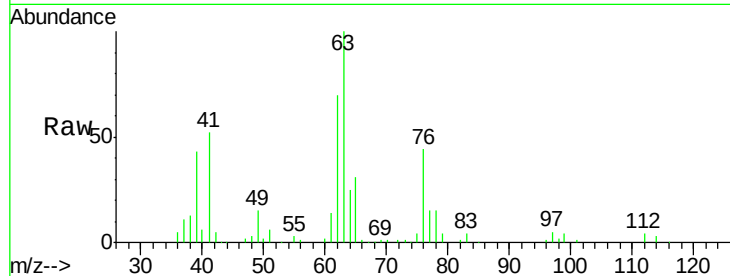
#45
 1,2-Dichloropropane
 Concen: 53.018 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 94588
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.1 37.7

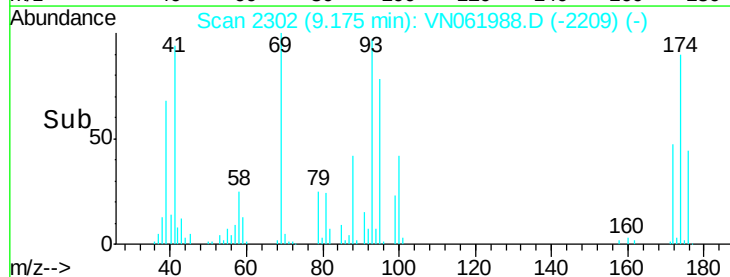
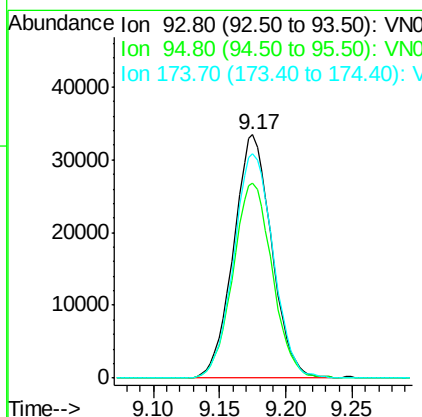
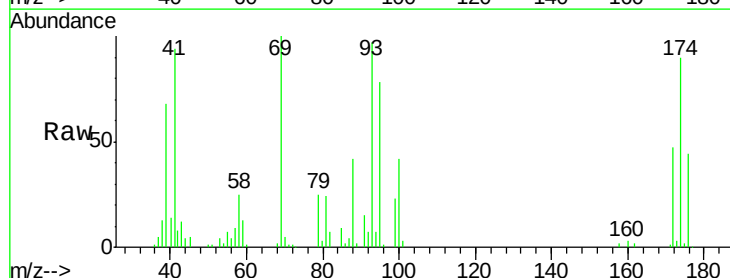
Manual Integrations
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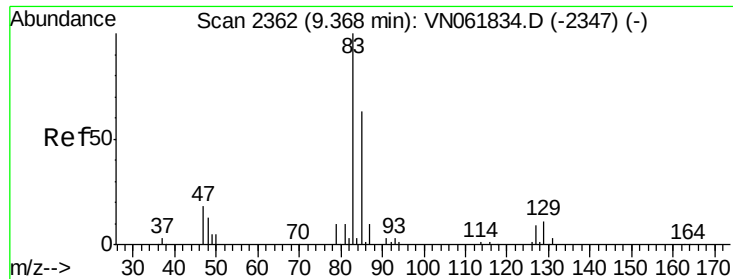
MMDadoda
 6/22/2020 10:30:32 AM



#46
 Dibromomethane
 Concen: 53.148 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion: 93 Resp: 66771
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.8 98.6
 174 95.1 78.5 117.7





#47

Bromodichloromethane

Concen: 52.617 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

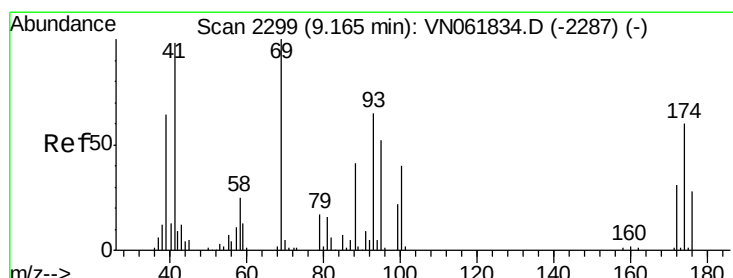
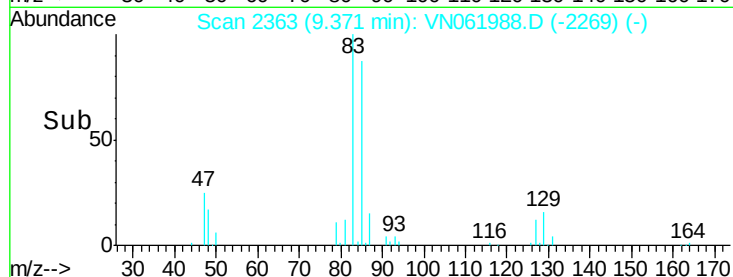
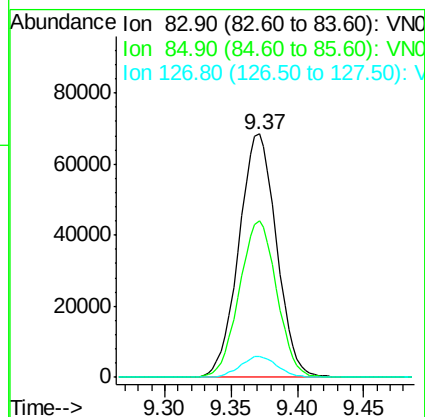
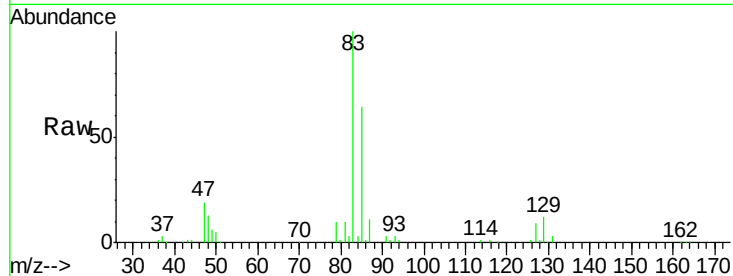
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	135357
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.8	76.2
127	8.7	7.0	10.4

Manual Integrations
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MMDadoda
6/22/2020 10:30:32 AM



#48

Methyl methacrylate

Concen: 55.321 ug/l

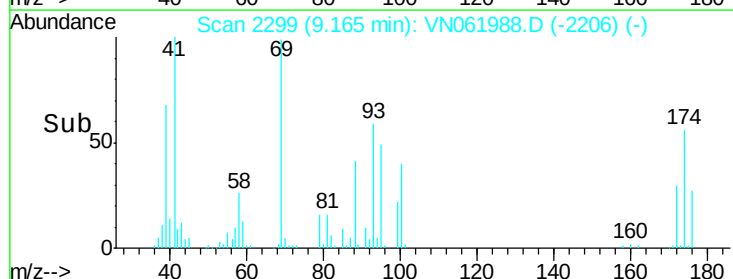
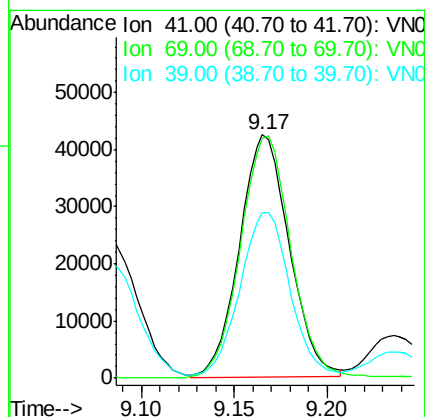
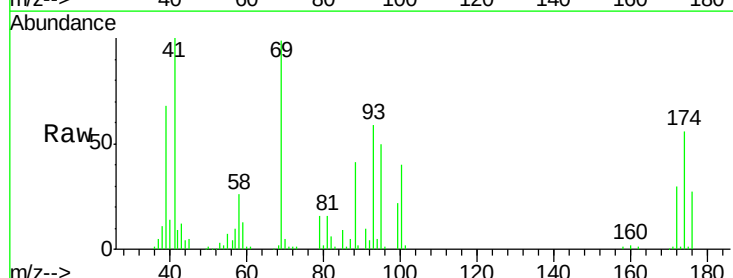
RT: 9.17 min Scan# 2299

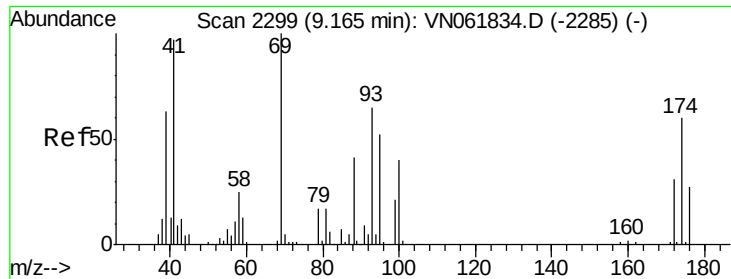
Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Tgt Ion:	41	Resp:	79344
Ion Ratio	Lower	Upper	
41	100		
69	102.0	83.0	124.4
39	68.7	55.1	82.7





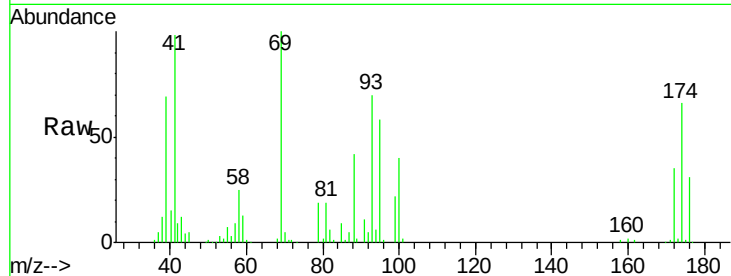
#49
1,4-Dioxane
Concen: 1105.075 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.7	23.4	35.2
58	61.8	49.8	74.6

Manual Integrations
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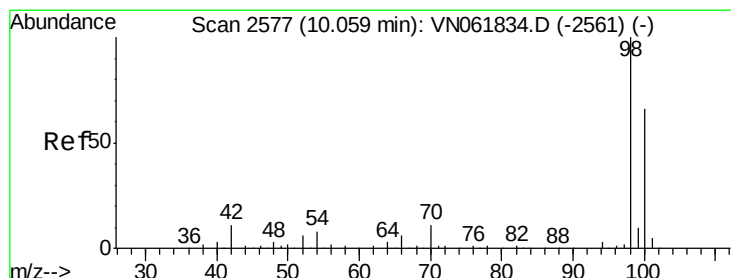
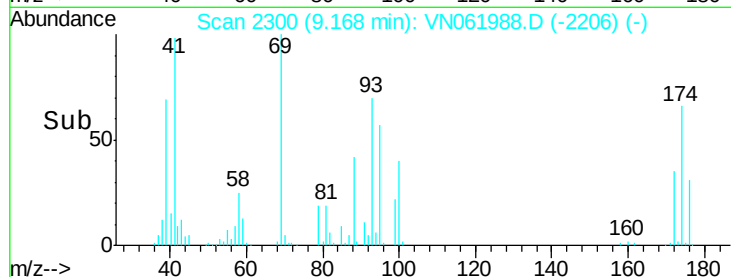
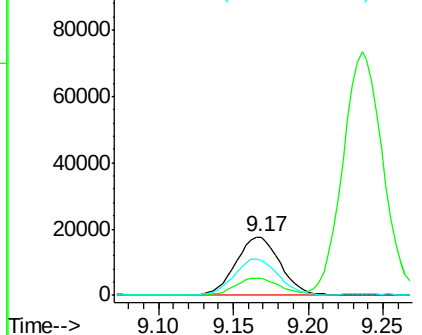
MMDadoda
6/22/2020 10:30:32 AM



Abundance Ion 88.00 (87.70 to 88.70): VN061988.D (-2300) (-)

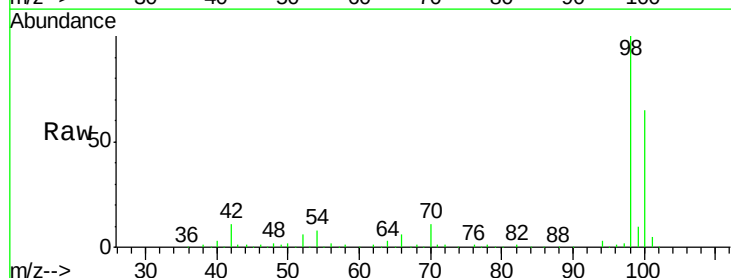
Ion 43.00 (42.70 to 43.70): VN061988.D (-2300) (-)

Ion 58.00 (57.70 to 58.70): VN061988.D (-2300) (-)



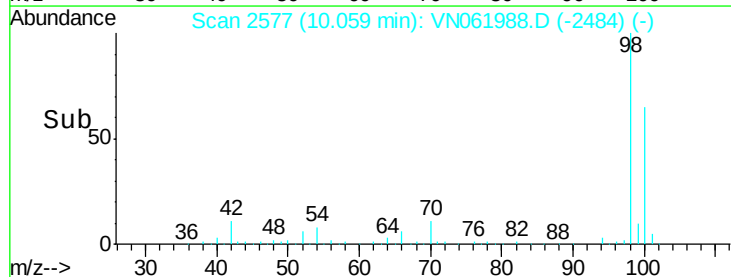
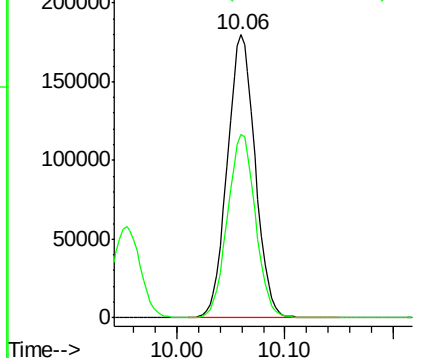
#50
Toluene-d8
Concen: 49.045 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

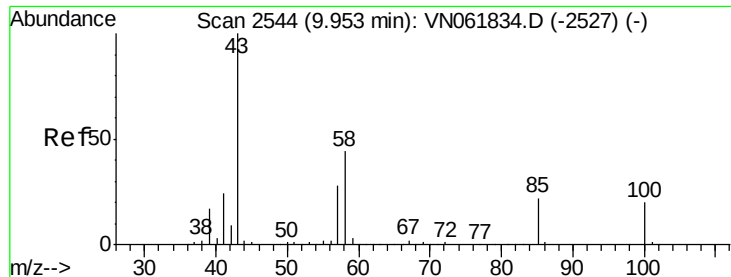
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061988.D (-2577) (-)

Ion 100.00 (99.70 to 100.70): VN061988.D (-2577) (-)





#51

4-Methyl-2-Pentanone

Concen: 284.222 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 529712

Ion Ratio Lower Upper

43 100

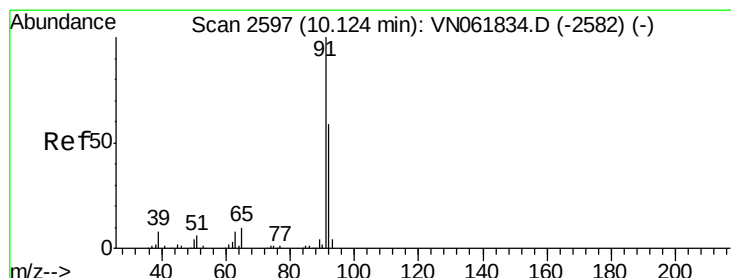
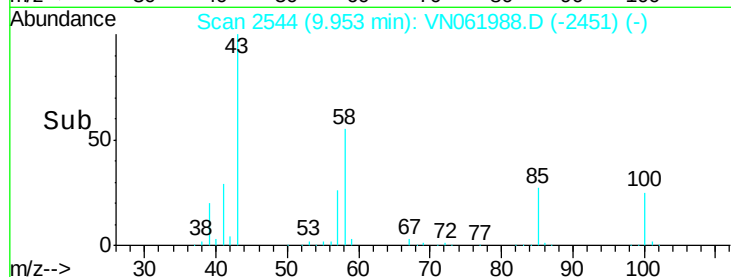
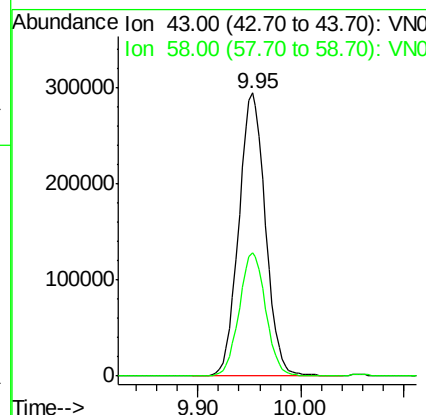
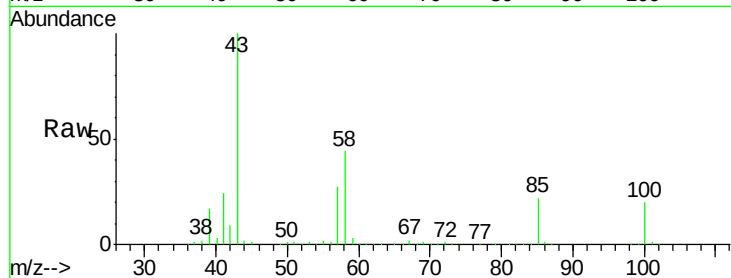
58 43.5 34.6 52.0

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#52

Toluene

Concen: 53.950 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061988.D

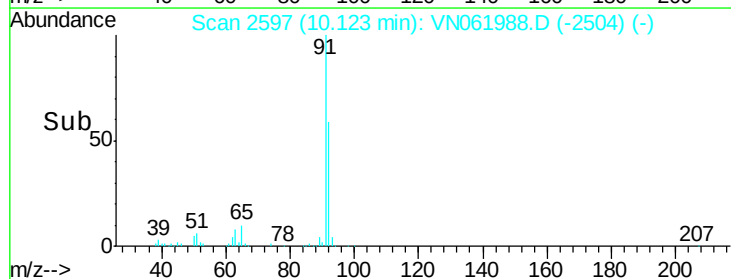
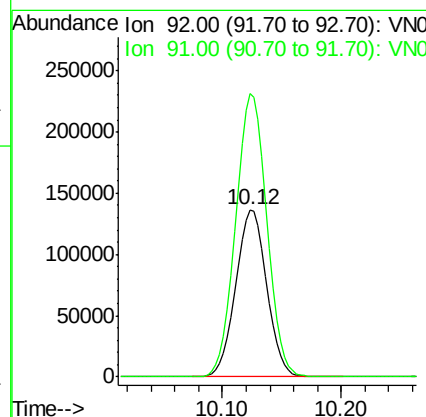
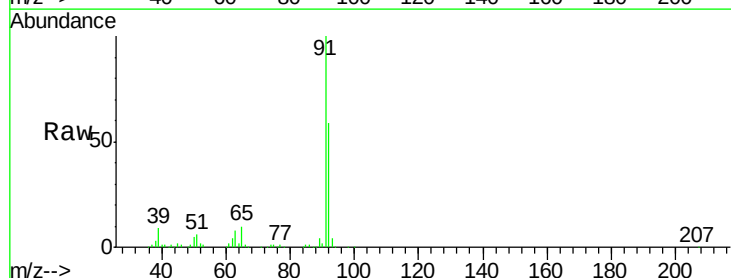
Acq: 20 Jun 2020 9:41

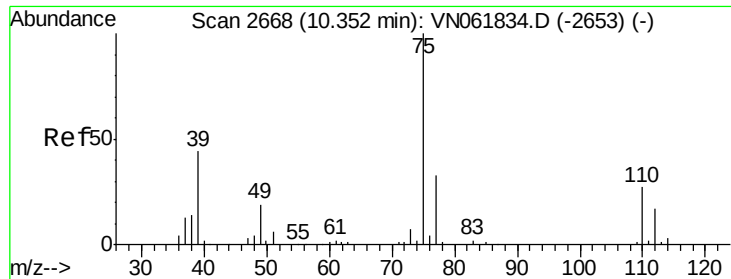
Tgt Ion: 92 Resp: 245975

Ion Ratio Lower Upper

92 100

91 170.8 137.1 205.7





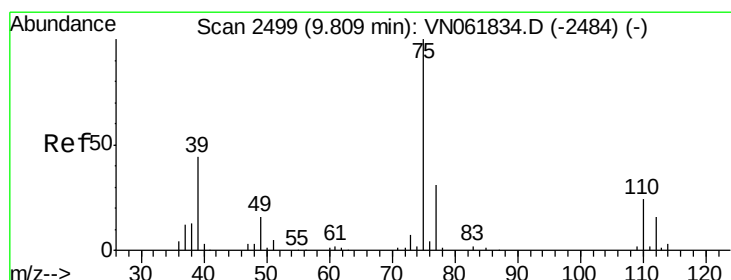
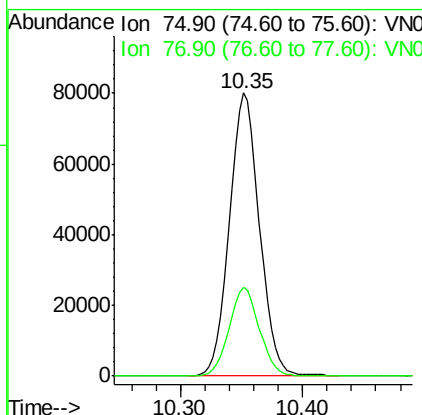
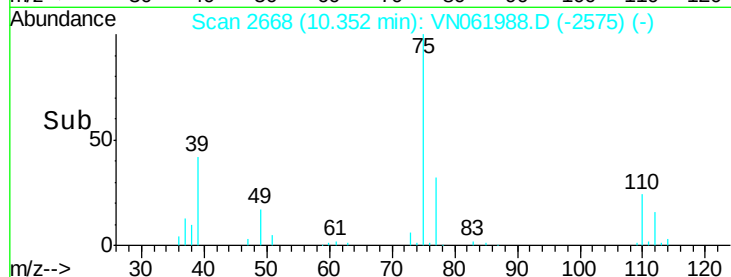
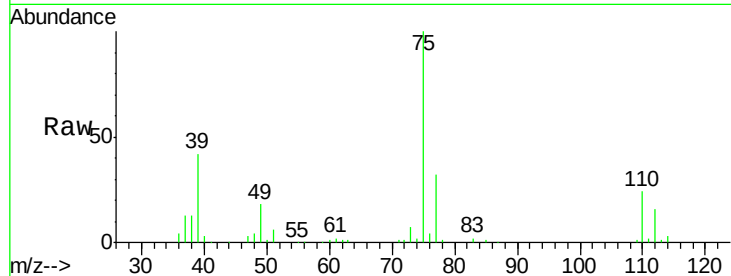
#53
 t-1,3-Dichloropropene
 Concen: 50.382 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 137589
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.3 39.5

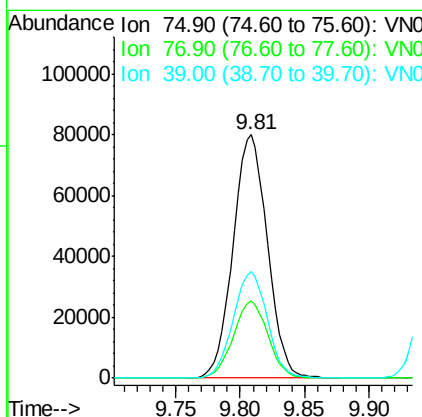
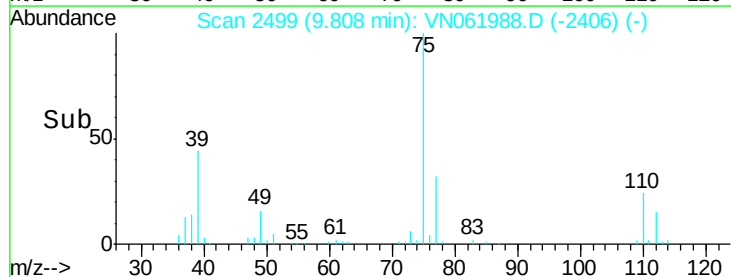
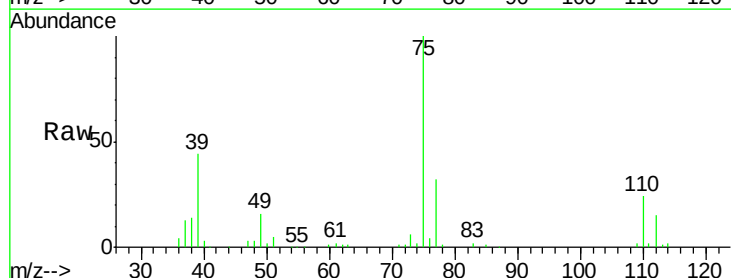
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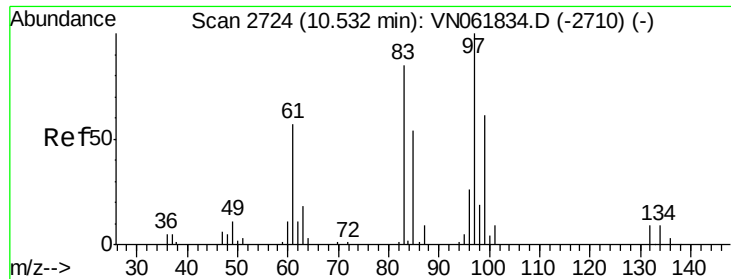
MMDadoda
 6/22/2020 10:30:32 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.946 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion: 75 Resp: 148152
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.8 37.2
 39 43.7 35.4 53.0





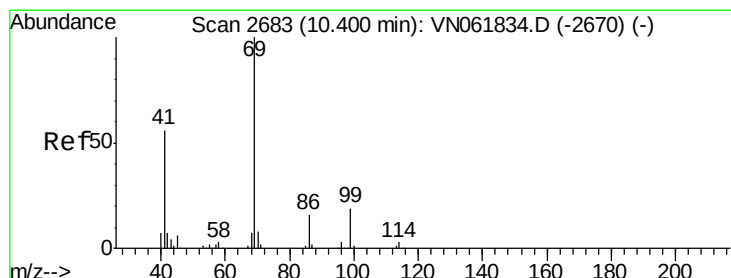
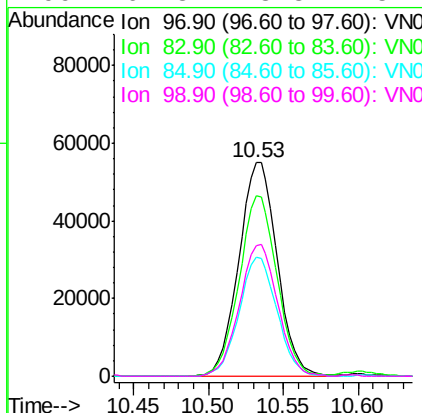
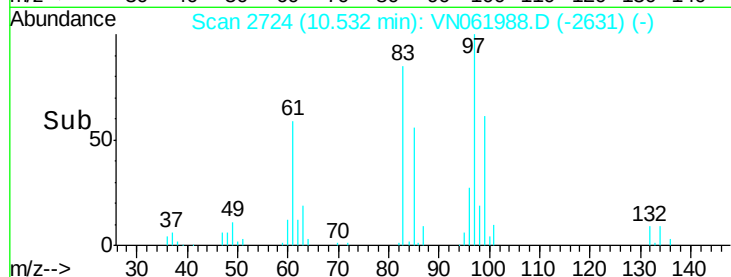
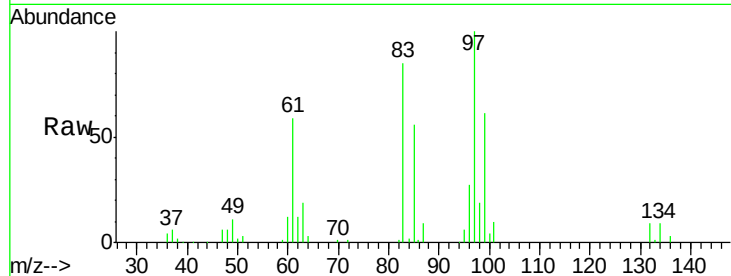
#55
 1,1,2-Trichloroethane
 Concen: 54.706 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	84.6	67.7	101.5		
85	55.7	43.4	65.0		
99	61.3	48.8	73.2		

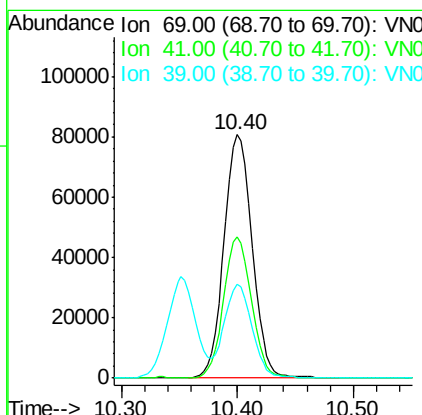
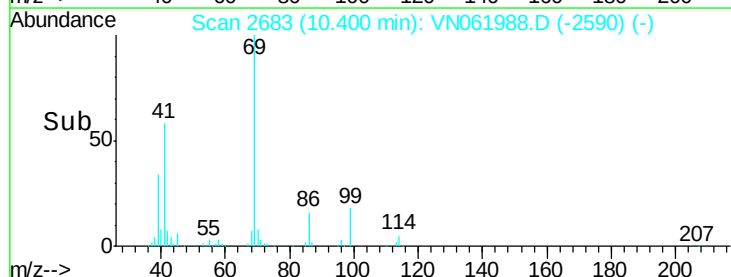
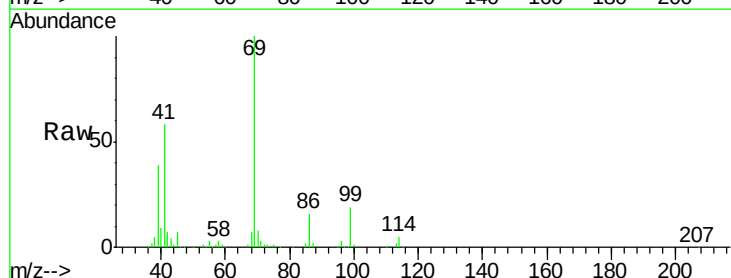
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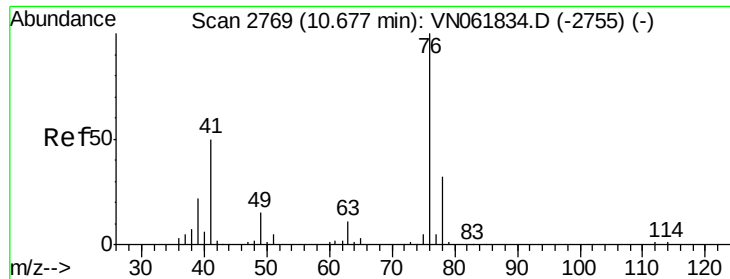
MMDadoda
 6/22/2020 10:30:32 AM



#56
 Ethyl methacrylate
 Concen: 49.610 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	56.7	44.9	67.3		
39	37.5	30.0	45.0		





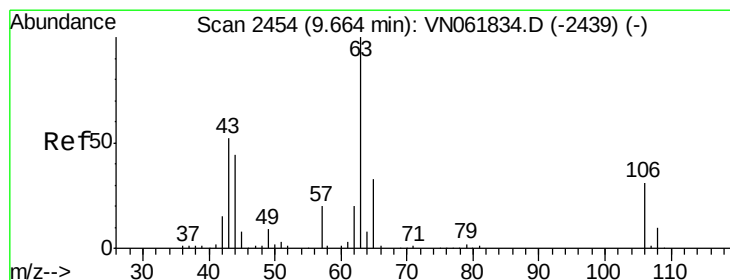
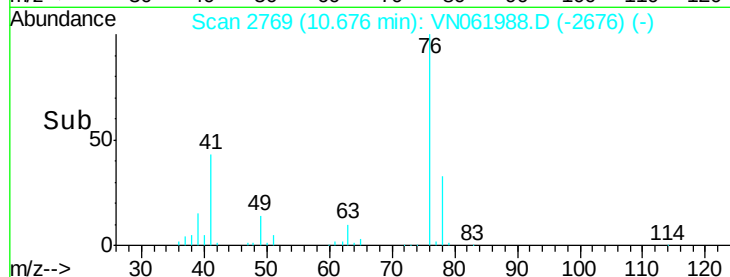
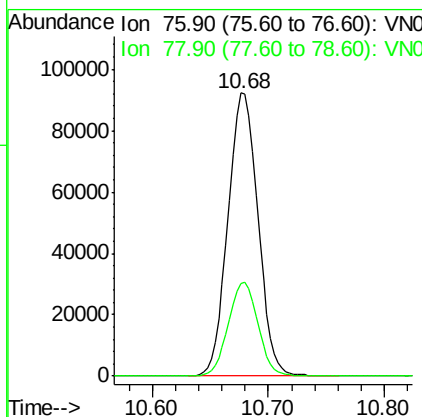
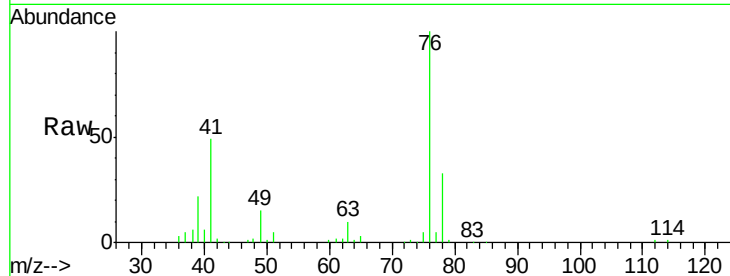
#57
 1,3-Dichloropropane
 Concen: 54.337 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 76 Resp: 165132
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8

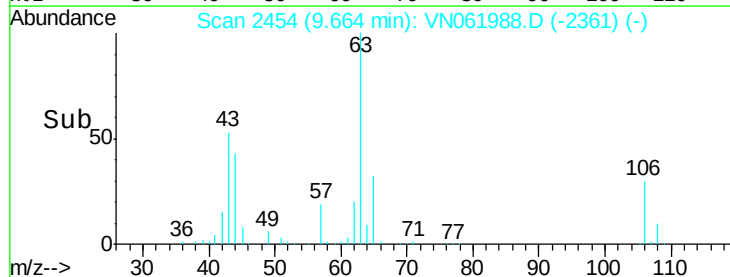
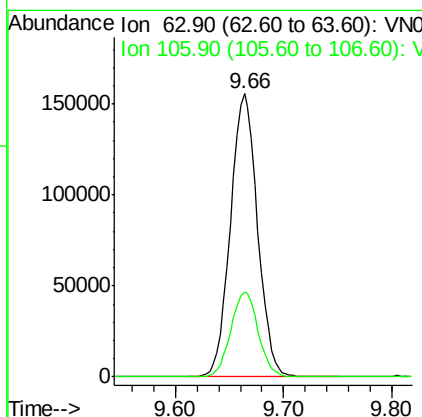
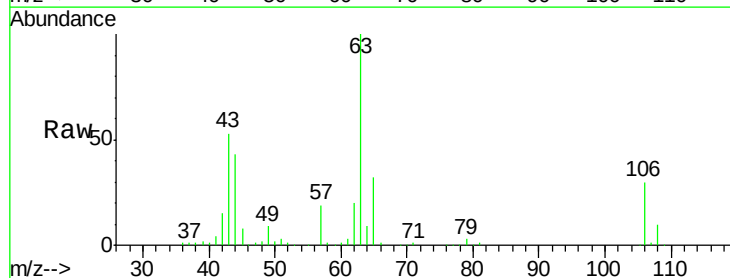
Manual Integrations
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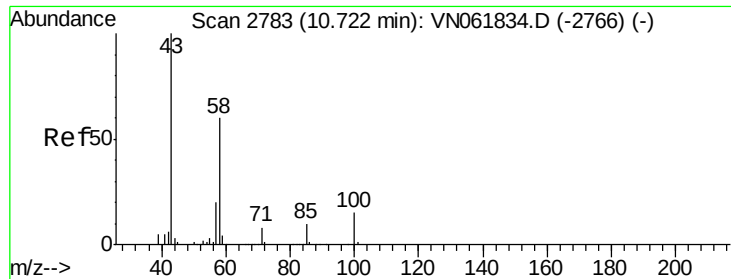
MMDadoda
 6/22/2020 10:30:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.493 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion: 63 Resp: 271232
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.6 36.8





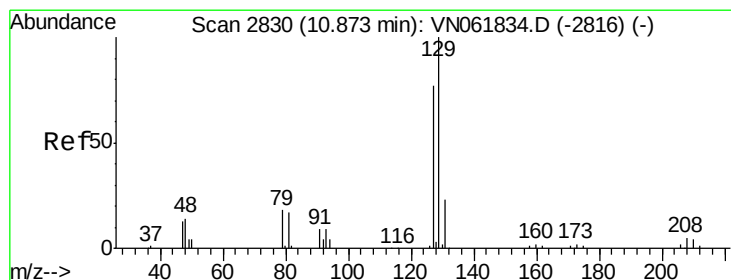
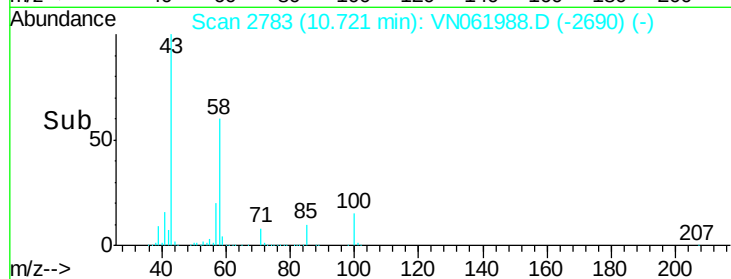
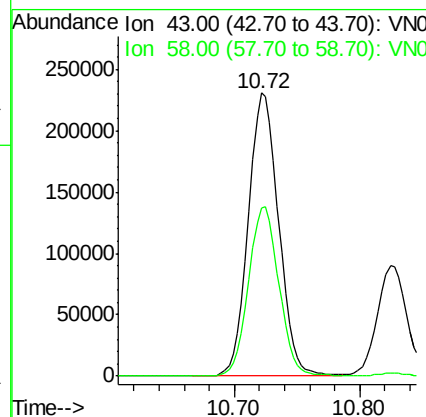
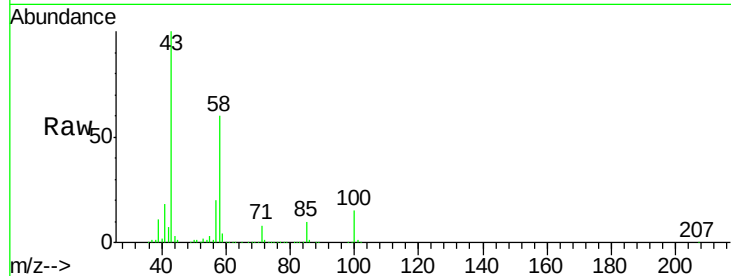
#59
2-Hexanone
Concen: 259.554 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	387271
Ion Ratio	100	Lower	Upper
43	100		
58	60.0	30.1	90.5

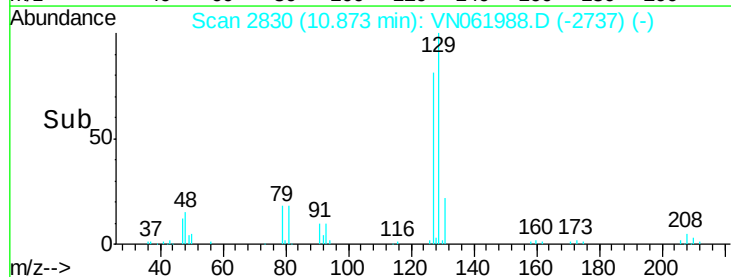
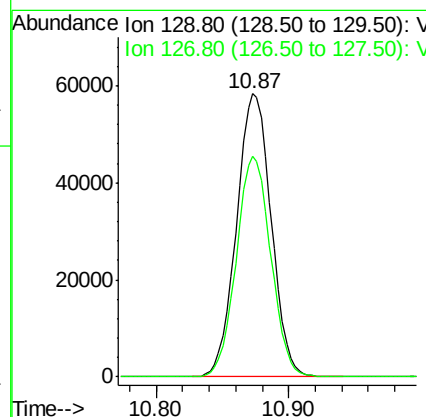
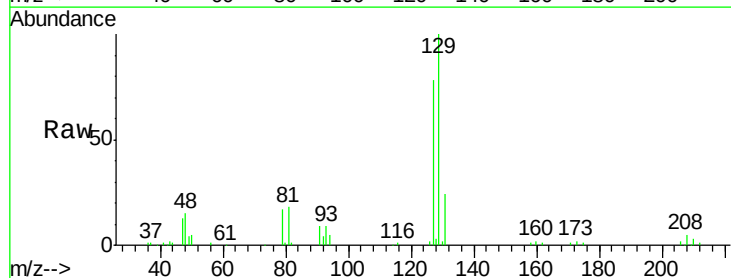
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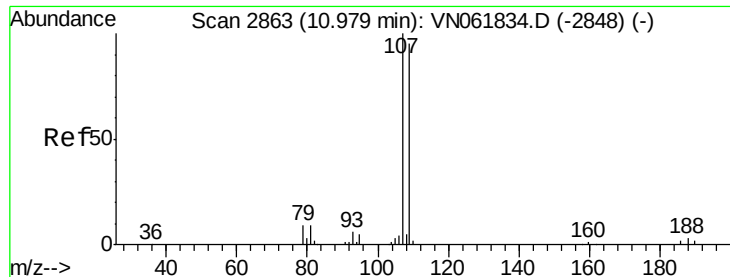
MMDadoda
6/22/2020 10:30:32 AM



#60
Dibromochloromethane
Concen: 52.852 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	129	Resp	105791	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.5	38.5	115.5	





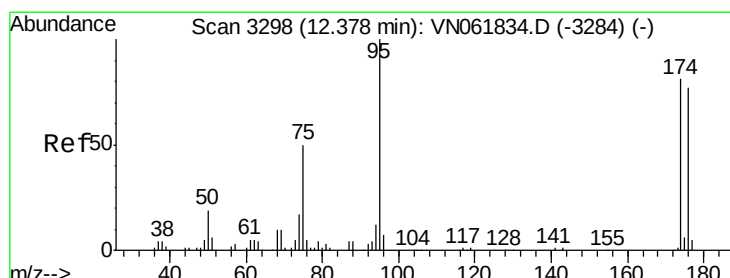
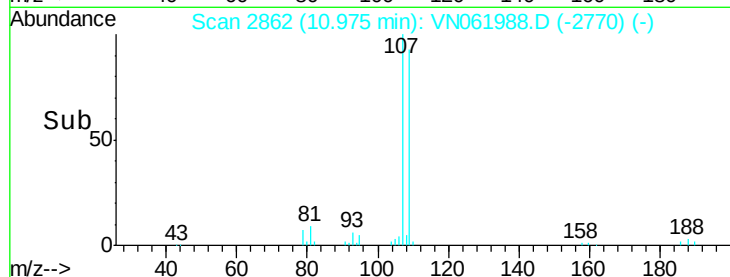
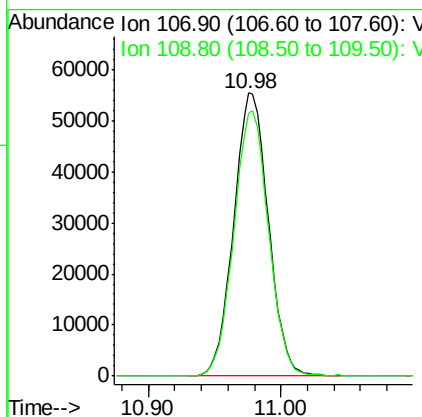
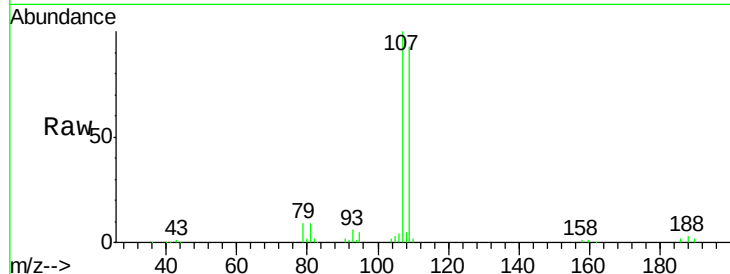
#61
 1,2-Dibromoethane
 Concen: 53.601 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.6

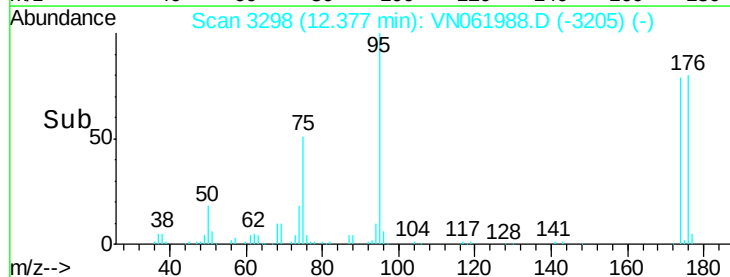
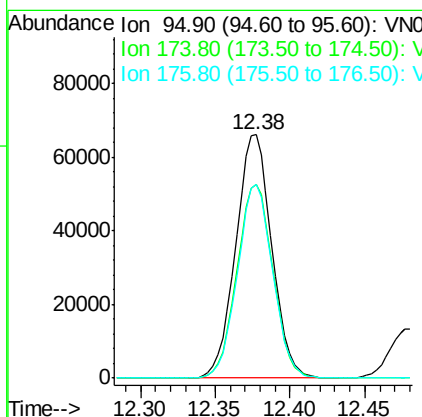
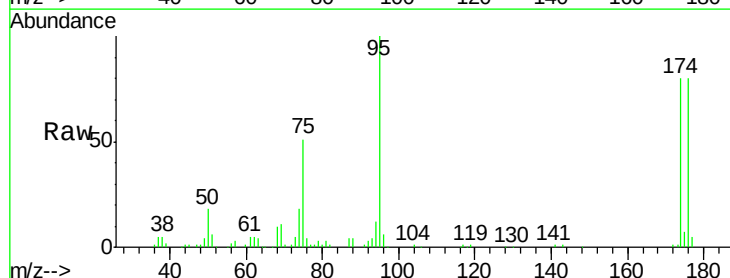
Manual Integrations
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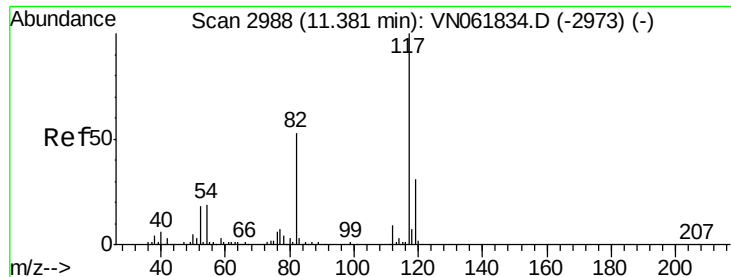
MMDadoda
 6/22/2020 10:30:32 AM



#62
 4-Bromofluorobenzene
 Concen: 48.775 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	158.6
176	78.0	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: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

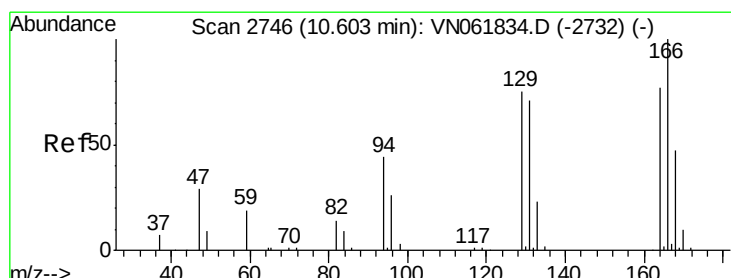
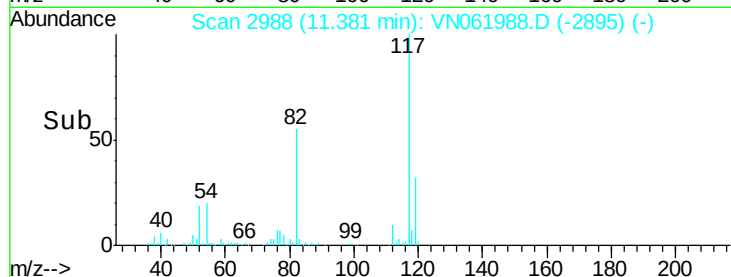
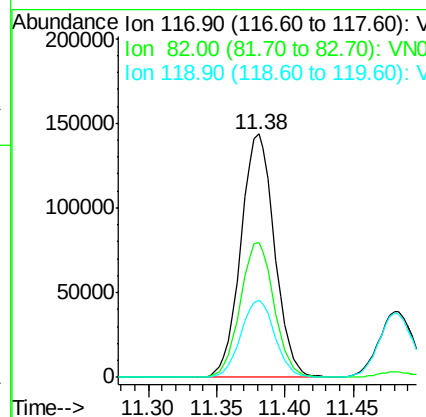
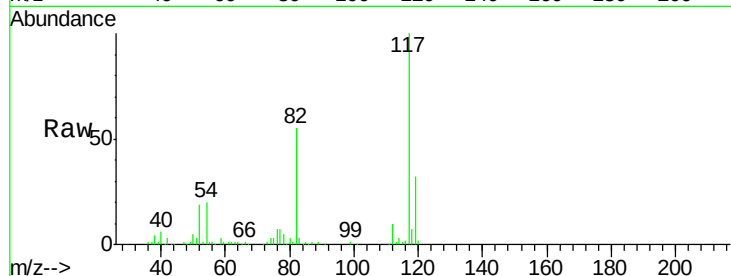
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	246230
Ion Ratio		Lower	Upper
117	100		
82	55.4	42.6	64.0
119	31.7	24.7	37.1

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#64

Tetrachloroethene

Concen: 50.866 ug/l

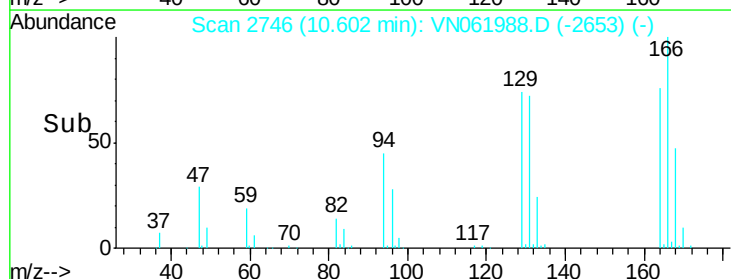
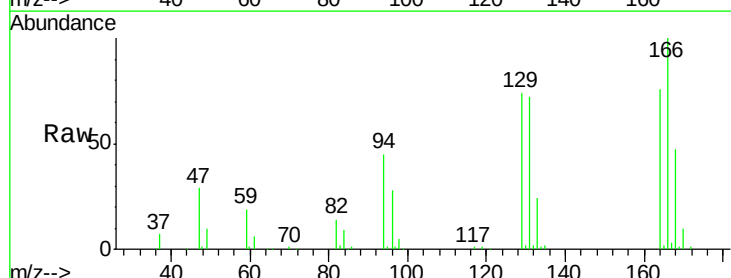
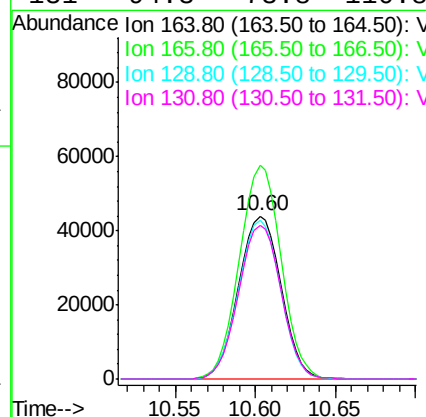
RT: 10.60 min Scan# 2746

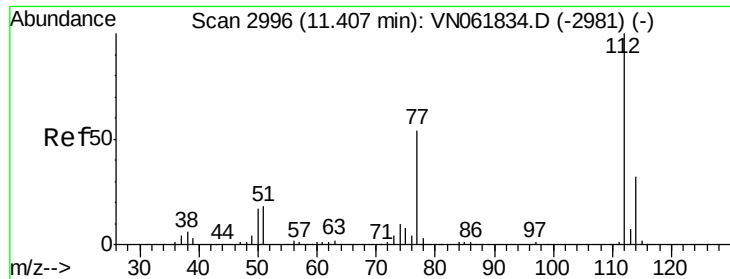
Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Tgt Ion:	164	Resp:	79828
Ion Ratio		Lower	Upper
164	100		
166	131.1	103.5	155.3
129	97.2	77.5	116.3
131	94.3	73.8	110.8





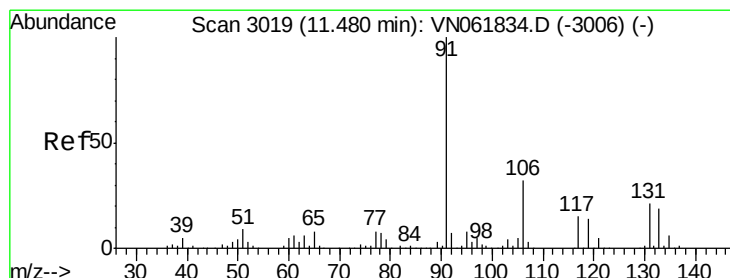
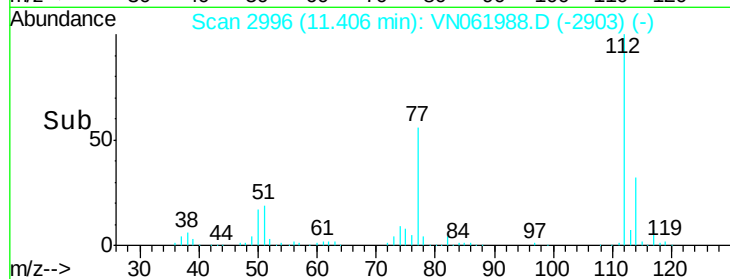
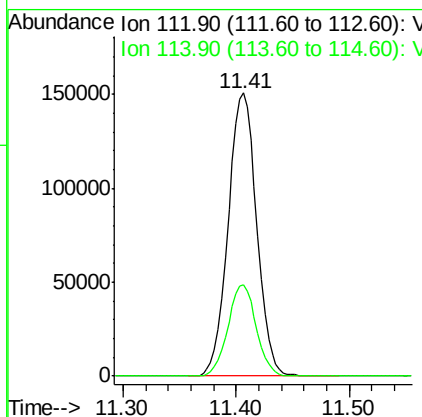
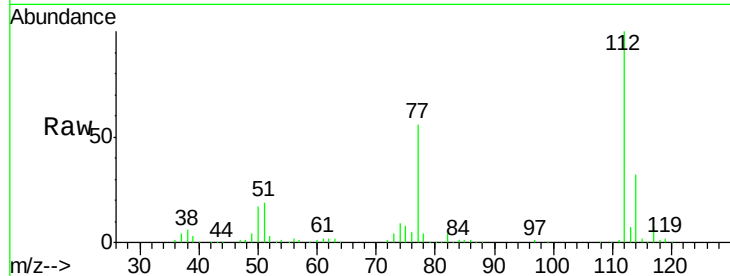
#65
Chlorobenzene
Concen: 50.880 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 264353
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

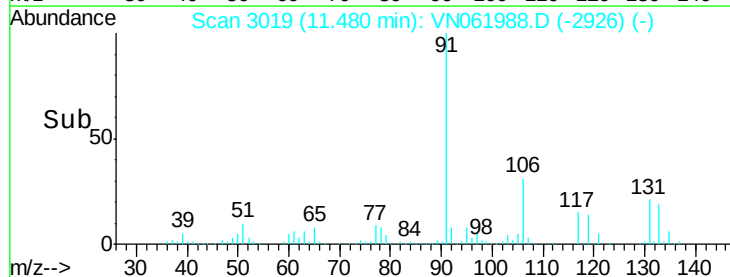
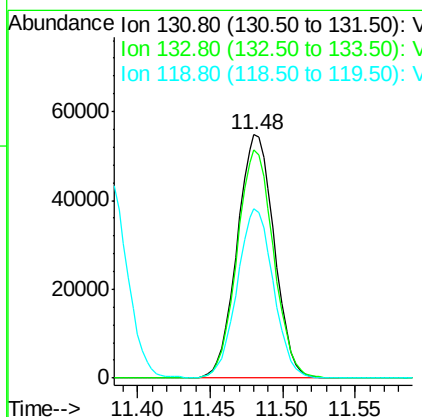
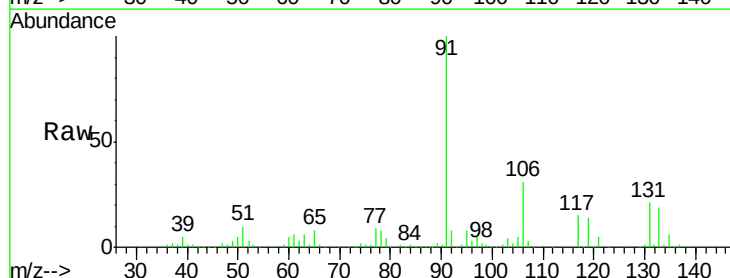
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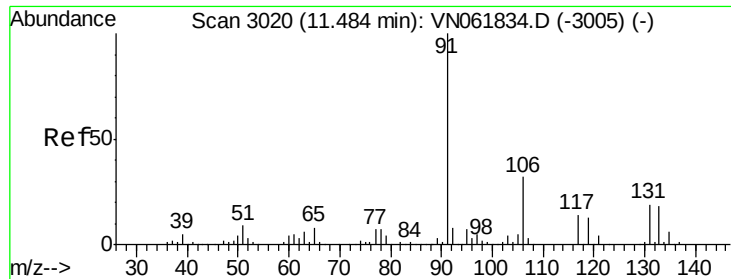
MMDadoda
6/22/2020 10:30:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.655 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion:131 Resp: 97226
Ion Ratio Lower Upper
131 100
133 92.4 47.5 142.5
119 68.1 34.0 101.8





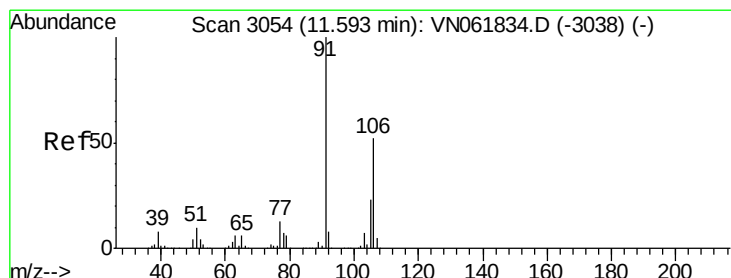
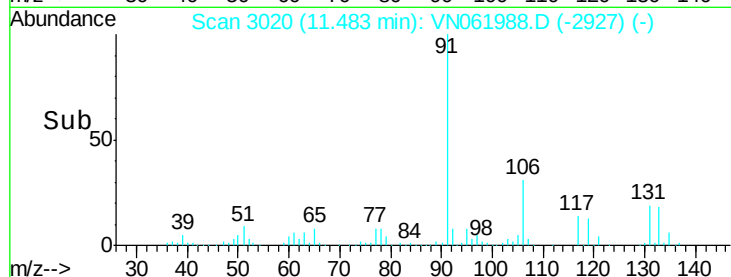
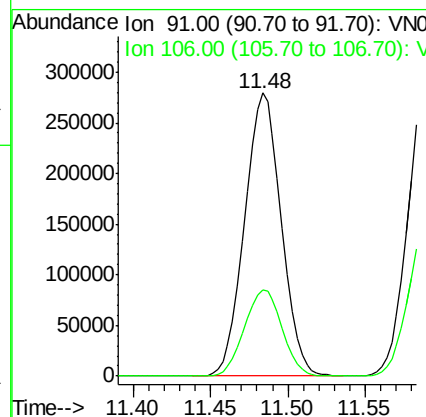
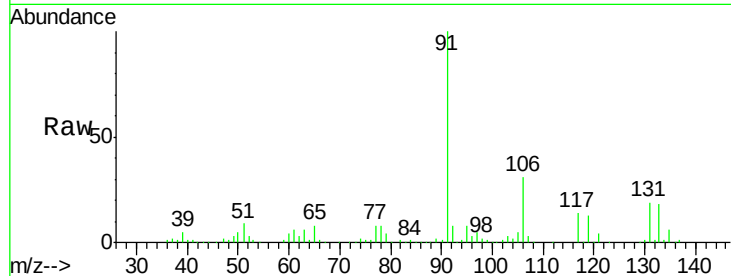
#67
Ethyl Benzene
Concen: 52.820 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 460129
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.2

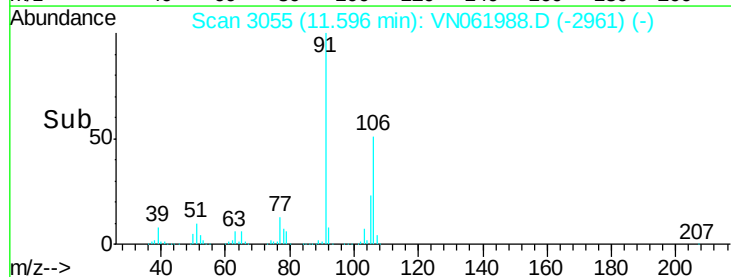
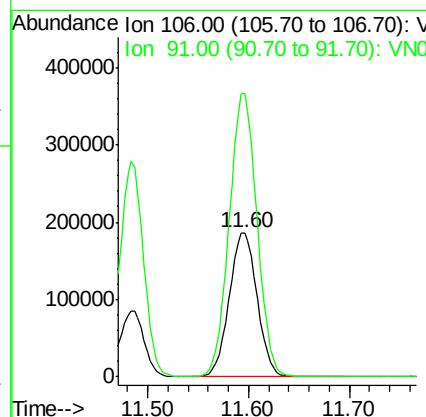
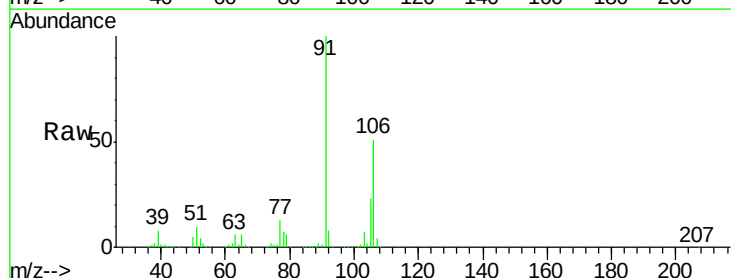
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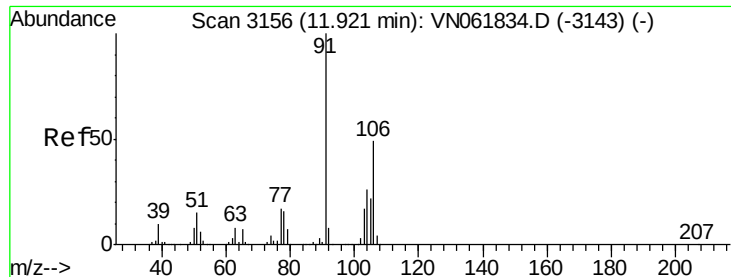
MMDadoda
6/22/2020 10:30:32 AM



#68
m/p-Xylenes
Concen: 106.985 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 106 Resp: 359368
Ion Ratio Lower Upper
106 100
91 196.0 157.0 235.6





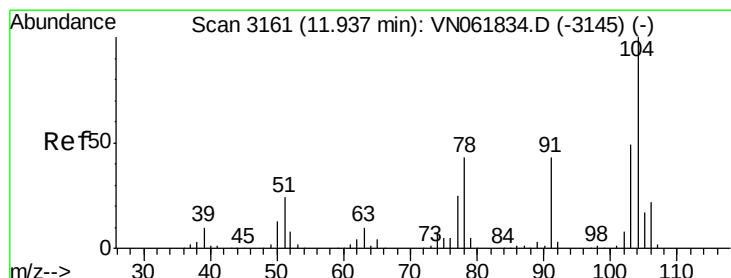
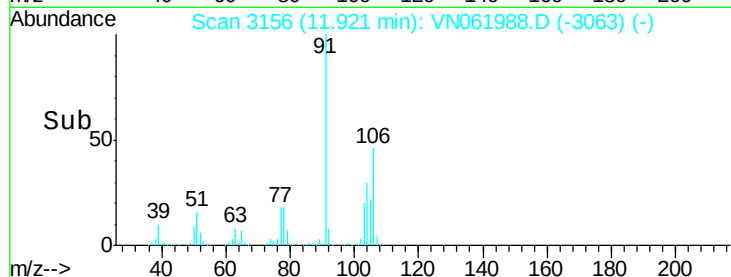
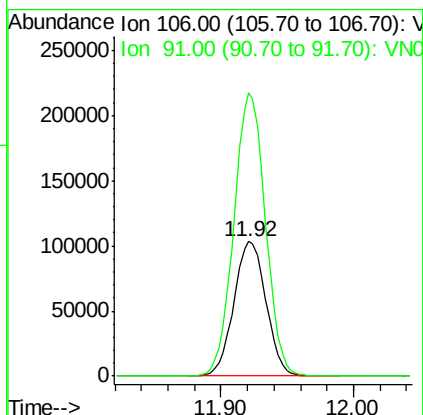
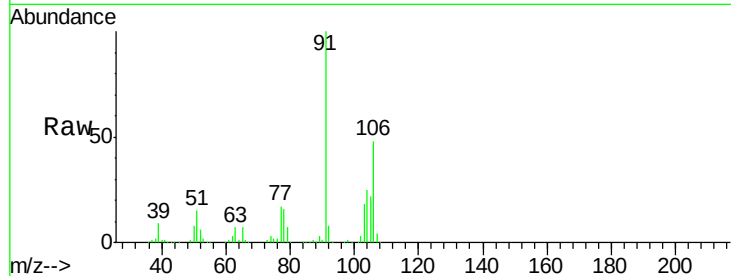
#69
o-Xylene
Concen: 54.179 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.8	103.0	308.9	

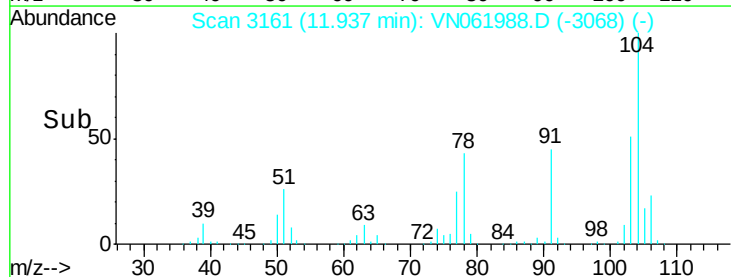
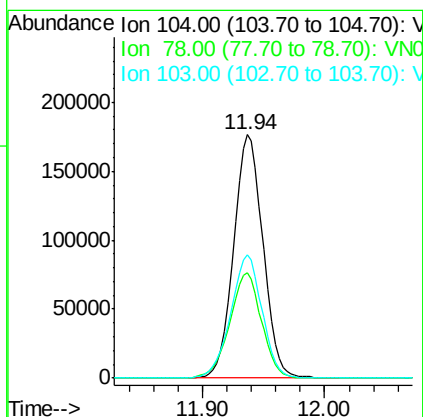
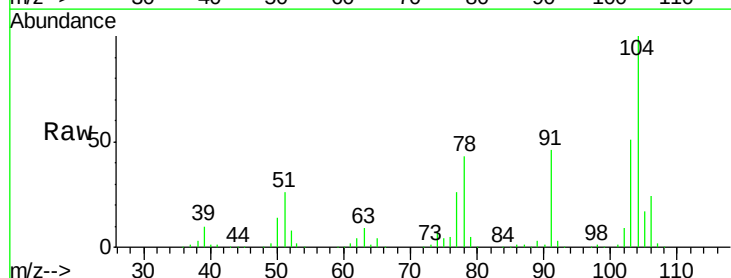
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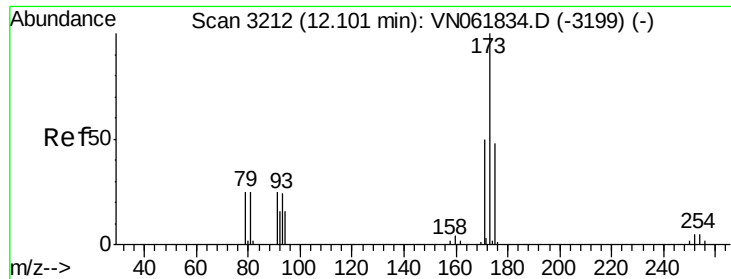
MMDadoda
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#70
Styrene
Concen: 54.831 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.1	37.6	56.4	
103	54.2	43.0	64.4	





#71

Bromoform

Concen: 54.089 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 71466

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.7

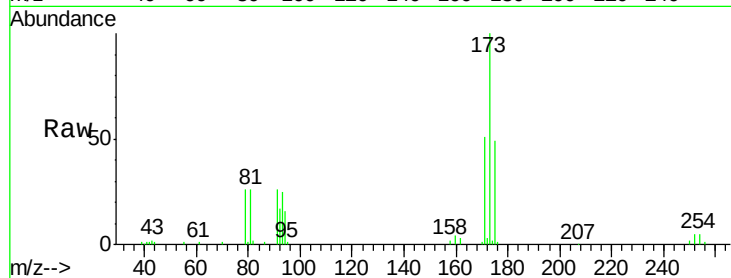
254 0.0 0.0 0.0

Manual Integrations

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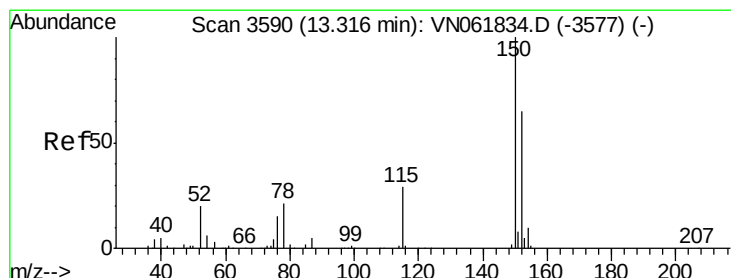
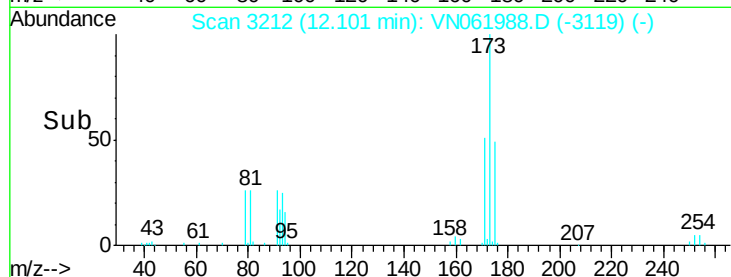
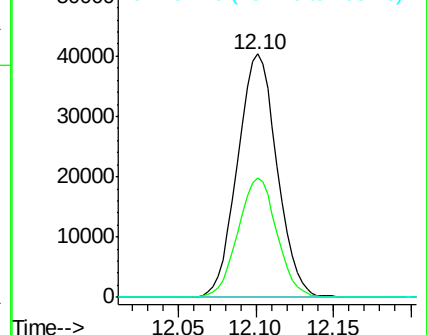
6/22/2020 10:30:32 AM



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# 3590

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

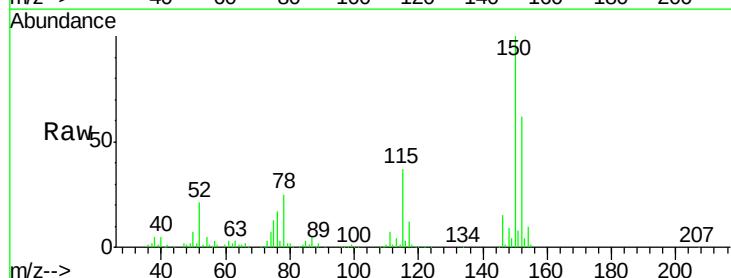
Tgt Ion:152 Resp: 120964

Ion Ratio Lower Upper

152 100

115 58.3 29.1 87.3

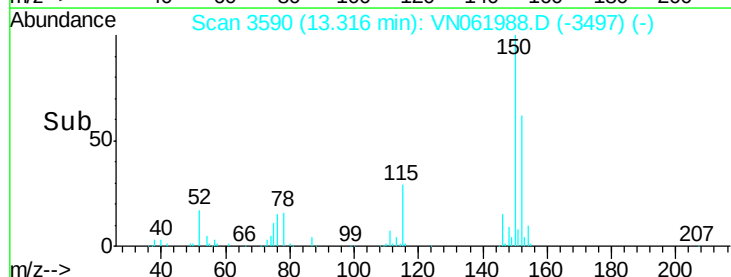
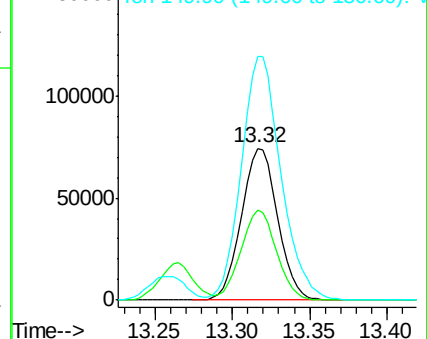
150 175.6 0.0 347.6

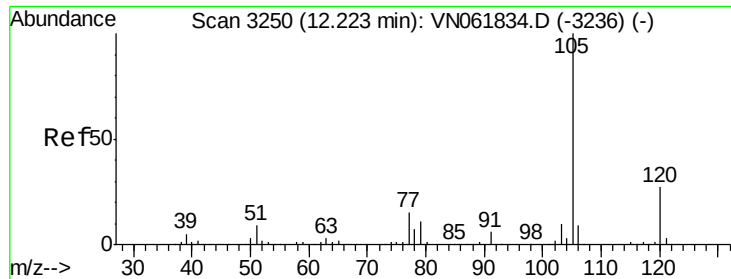


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





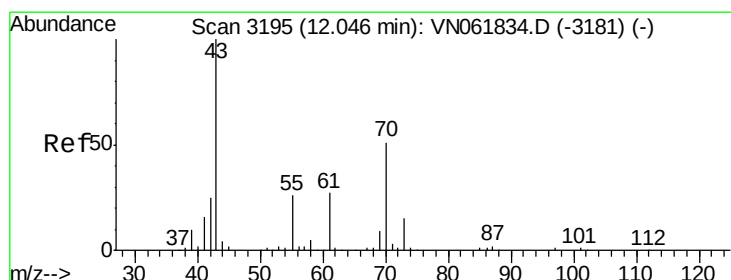
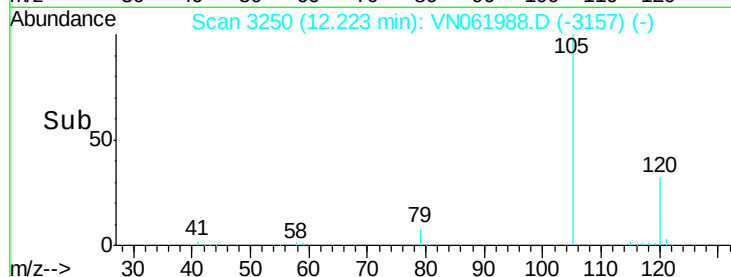
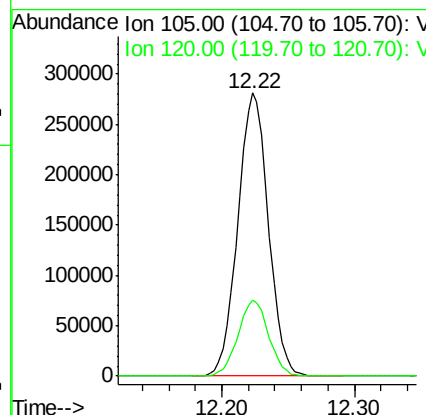
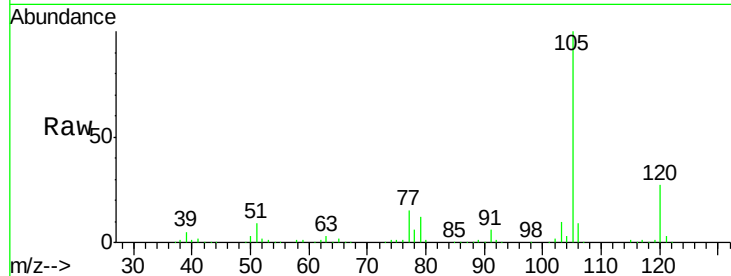
#73
Isopropylbenzene
Concen: 52.187 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.8

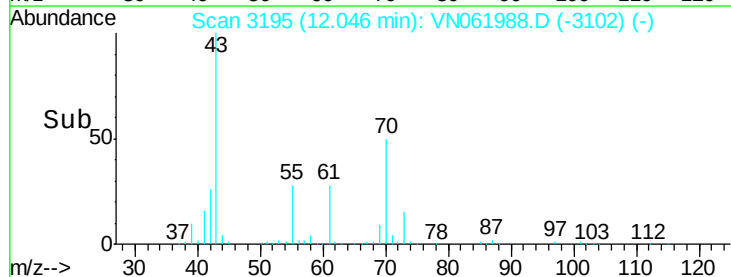
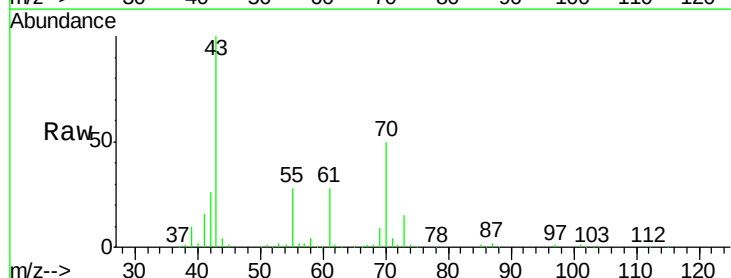
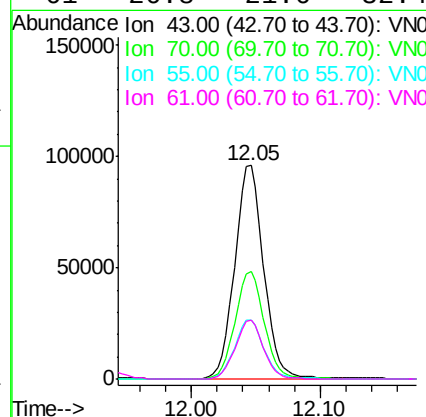
Manual Integrations
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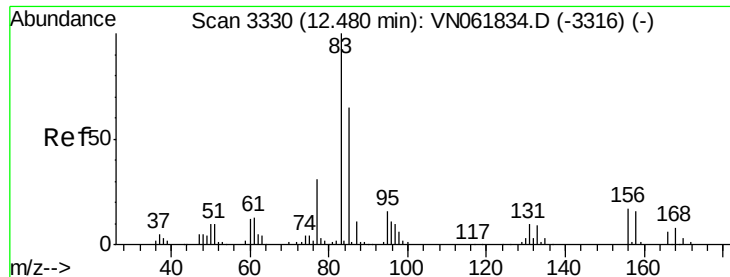
MMDadoda
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#74
N-ethyl acetate
Concen: 48.254 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.9	40.6	60.8
55	28.3	21.5	32.3
61	26.8	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.659 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

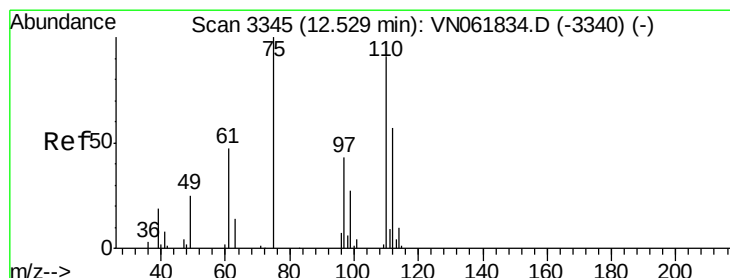
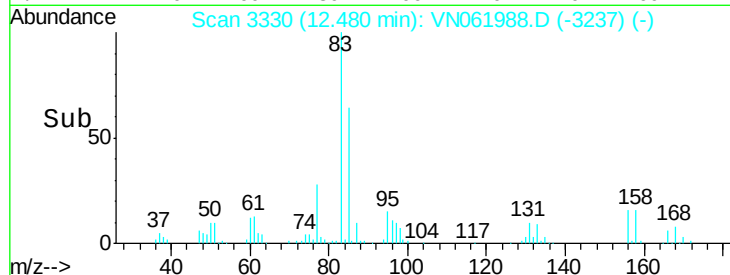
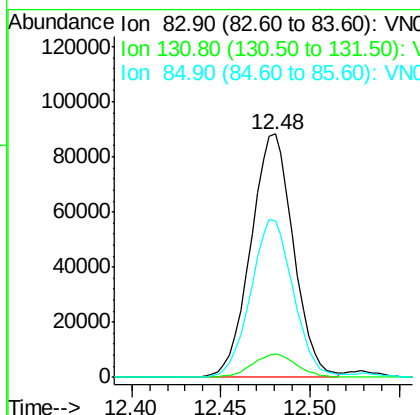
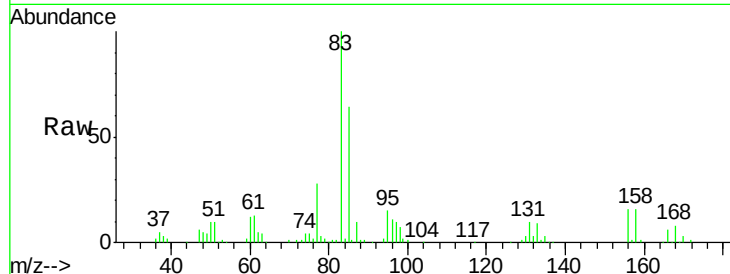
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	147165
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	65.0	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.041 ug/l m

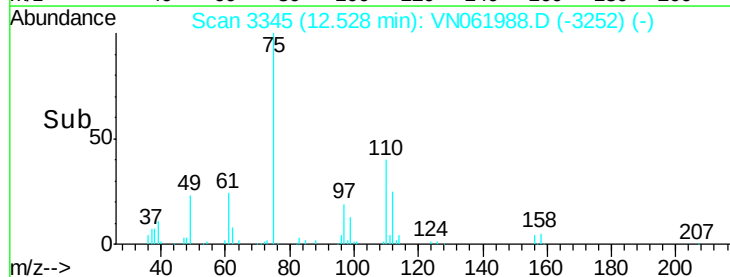
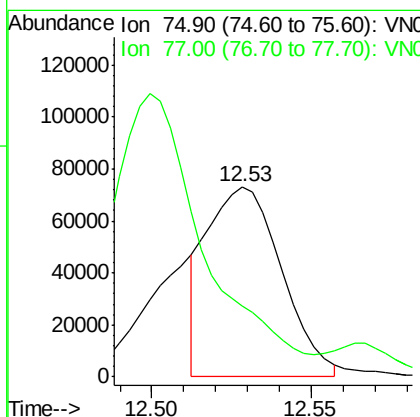
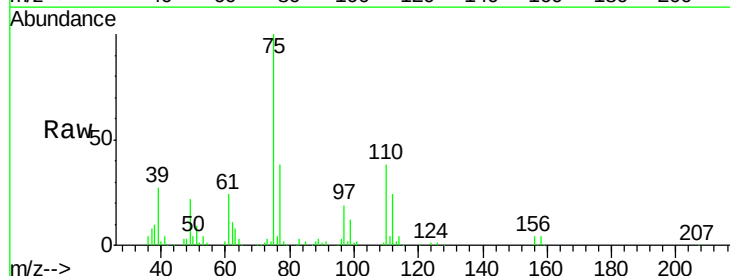
RT: 12.53 min Scan# 3345

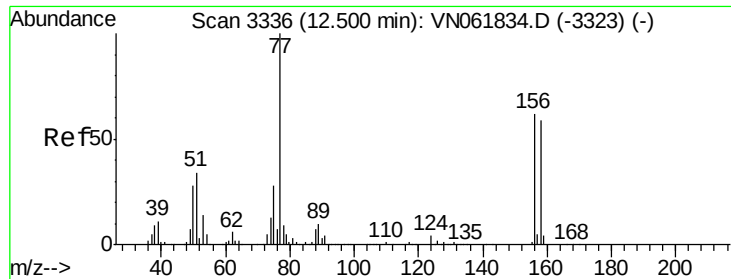
Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Tgt Ion:	75	Resp:	118838
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.982 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

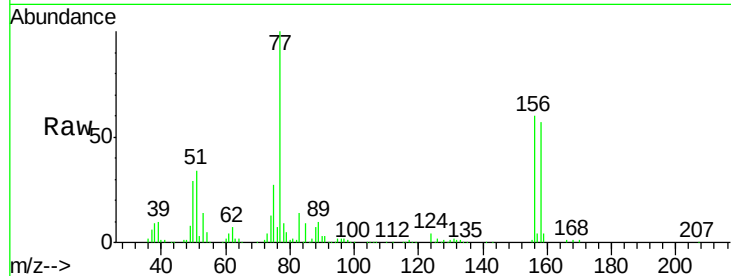
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	110561
Ion Ratio	Lower	Upper	
156	100		
77	203.7	100.7	302.1
158	97.5	48.5	145.5

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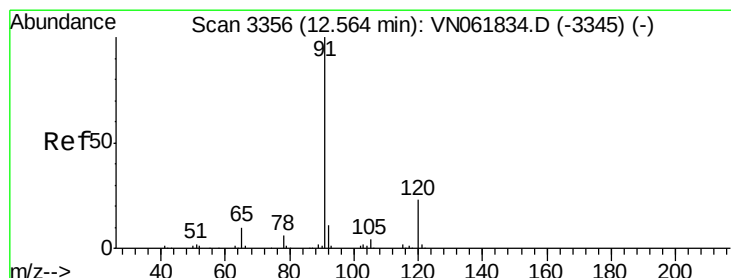
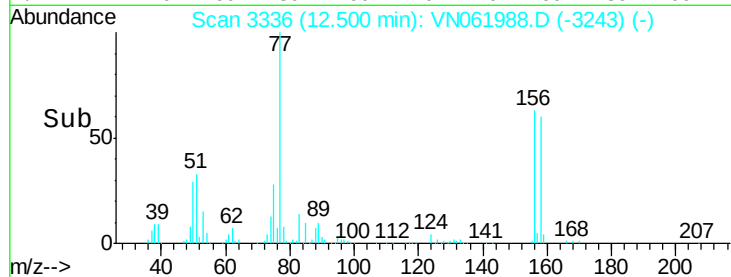
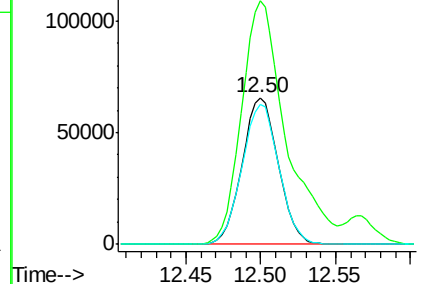
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.747 ug/l

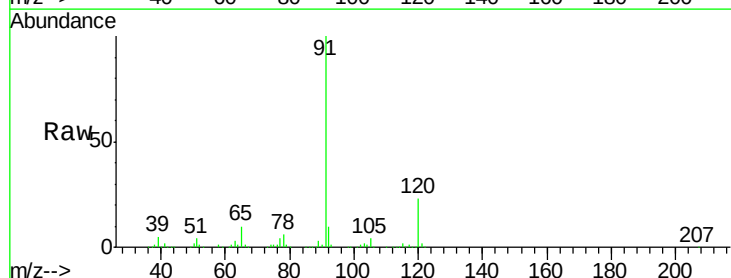
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061988.D

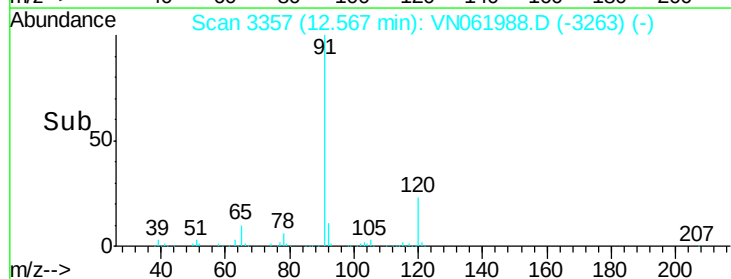
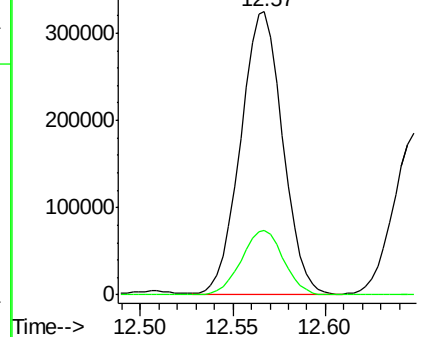
Acq: 20 Jun 2020 9:41

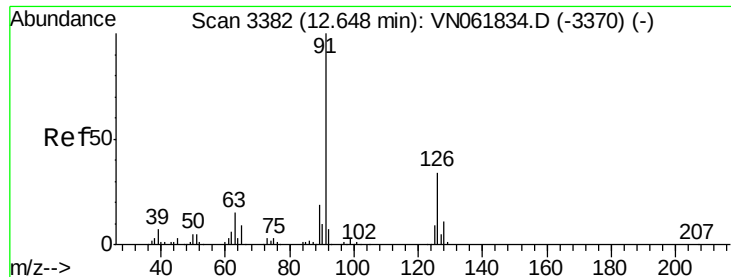
Tgt Ion:	91	Resp:	507546
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.824 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 305281

Ion Ratio Lower Upper

91 100

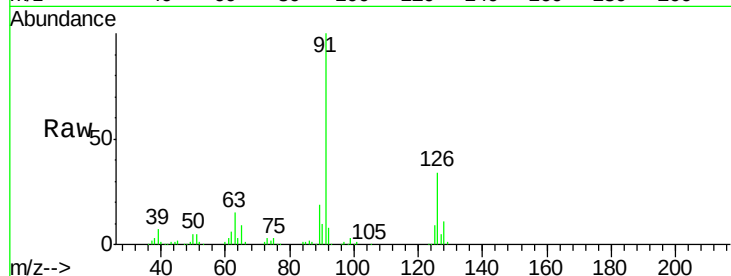
126 34.9 17.3 51.7

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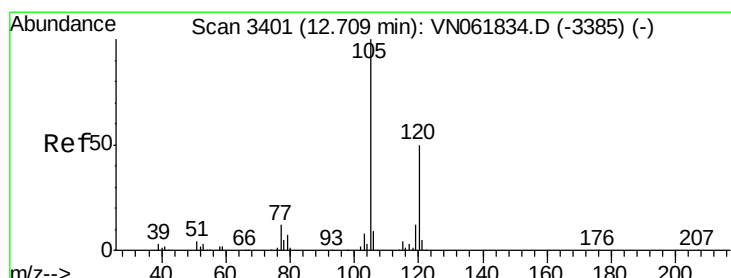
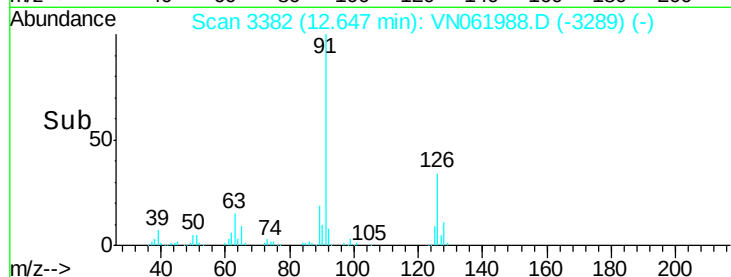
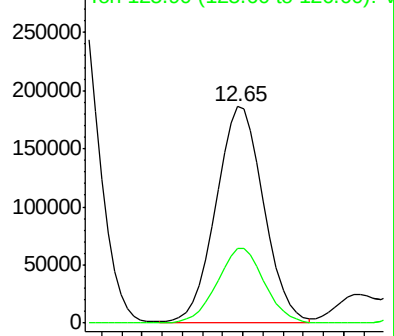
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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.998 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061988.D

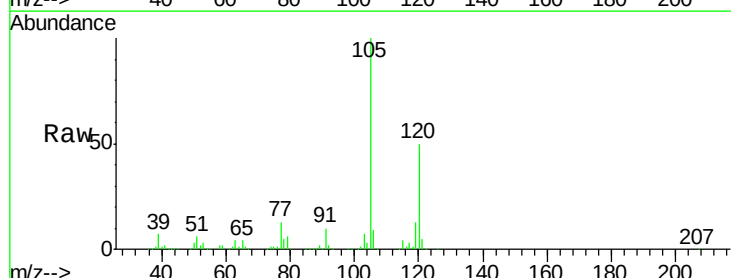
Acq: 20 Jun 2020 9:41

Tgt Ion: 105 Resp: 376900

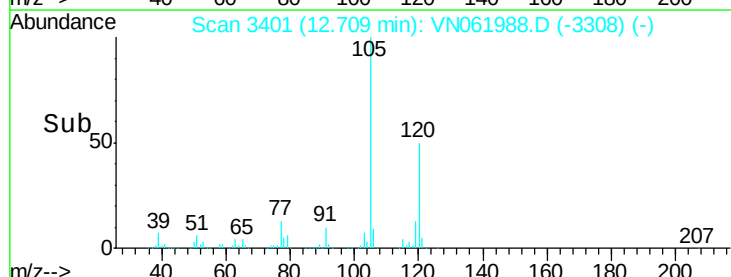
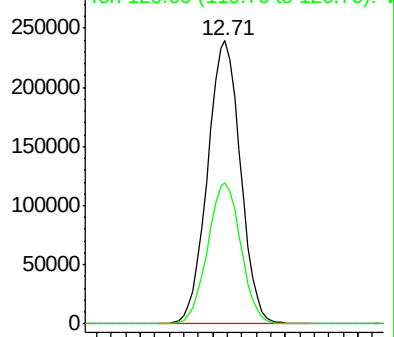
Ion Ratio Lower Upper

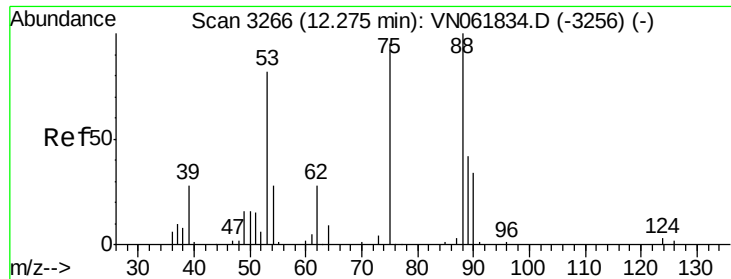
105 100

120 50.4 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061834.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.098 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 41009

Ion Ratio Lower Upper

75 100

53 88.9 70.4 105.6

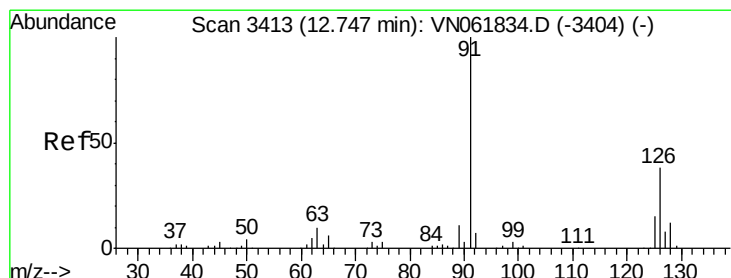
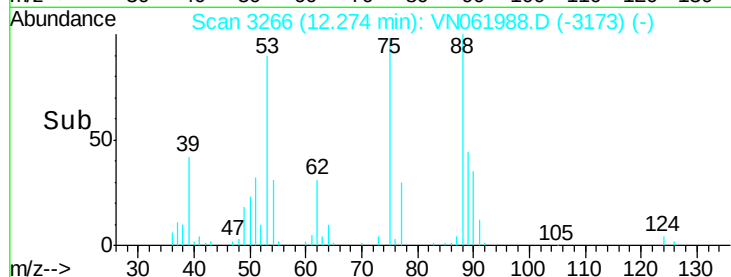
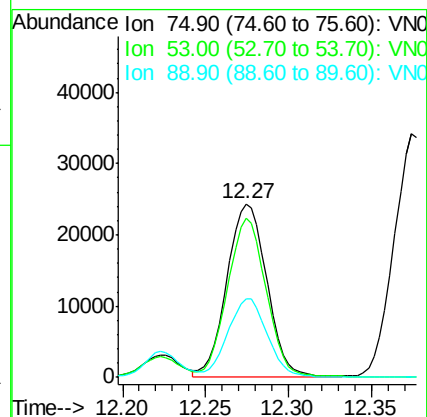
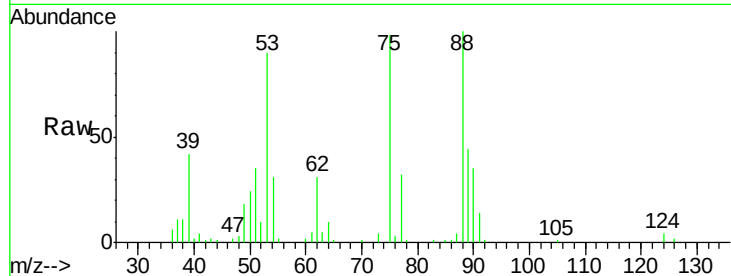
89 44.8 36.0 54.0

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#82

4-Chlorotoluene

Concen: 51.915 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061988.D

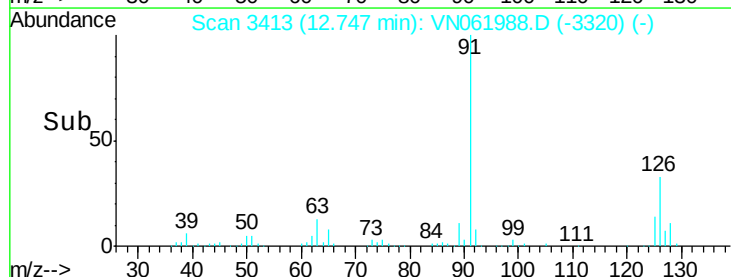
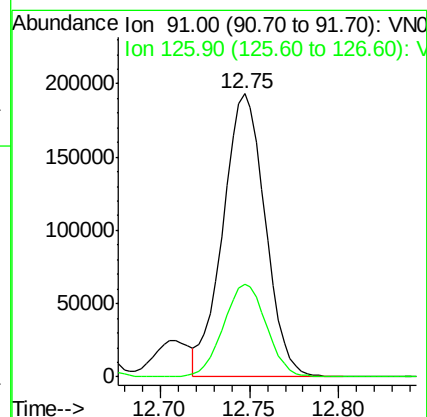
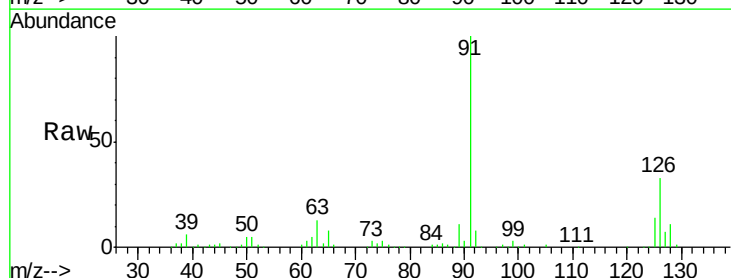
Acq: 20 Jun 2020 9:41

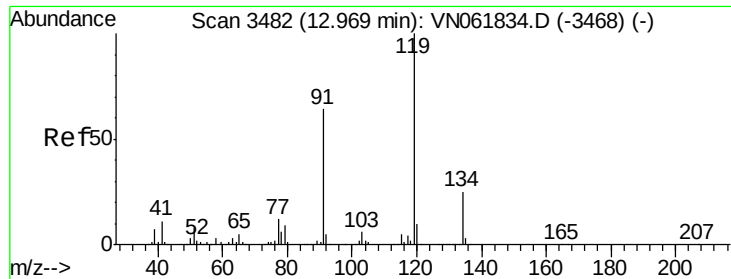
Tgt Ion: 91 Resp: 316006

Ion Ratio Lower Upper

91 100

126 33.7 17.2 51.6





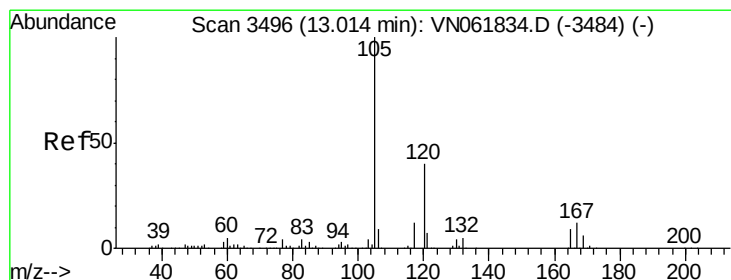
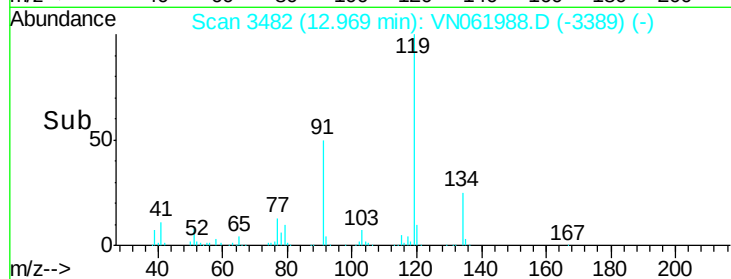
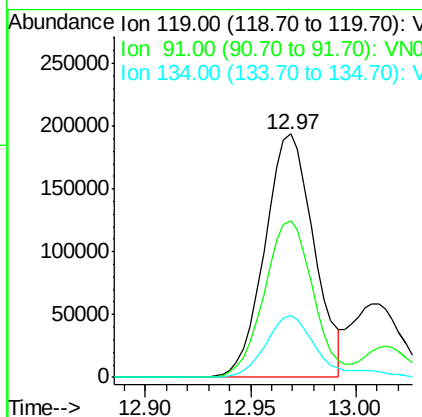
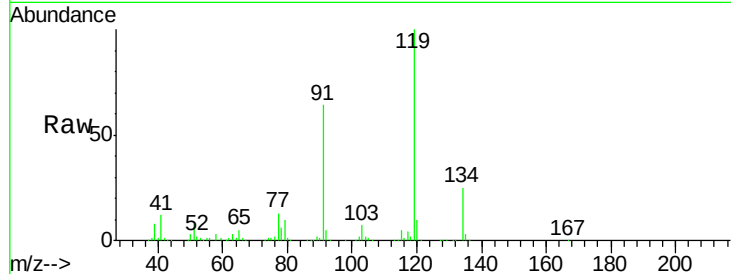
#83
 tert-Butylbenzene
 Concen: 51.911 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		312966		
91	63.9	31.5	94.5		
134	27.1	13.3	39.9		

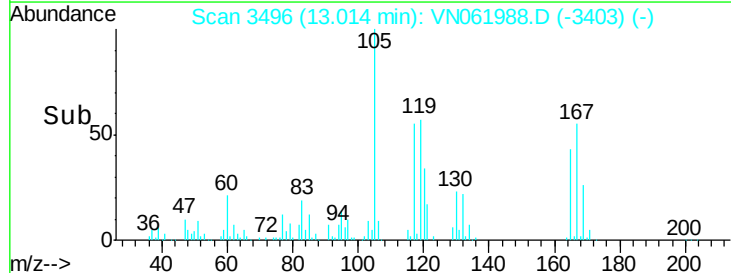
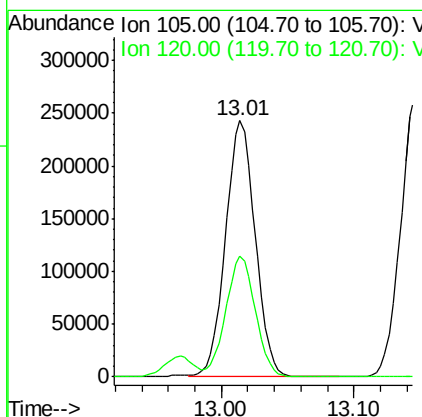
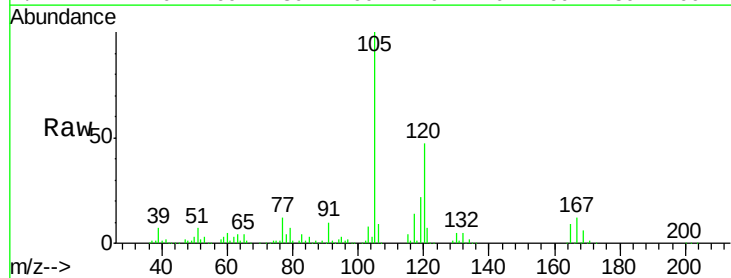
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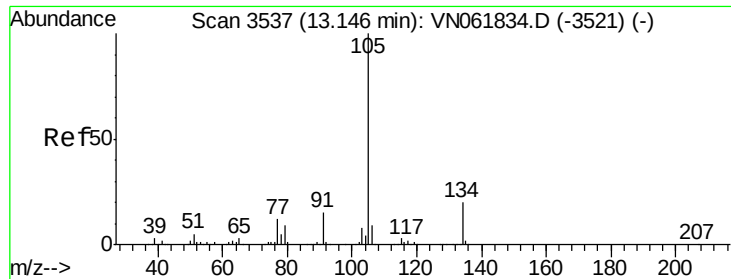
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.640 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		376553		
120	47.0	23.3	69.9		





#85

sec-Butylbenzene

Concen: 53.008 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 418297

Ion Ratio Lower Upper

105 100

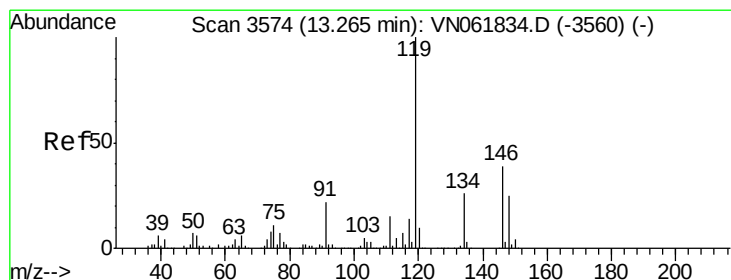
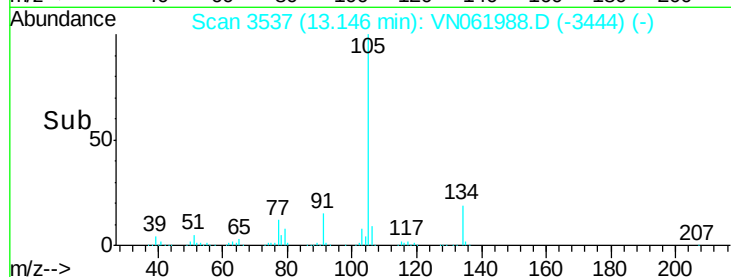
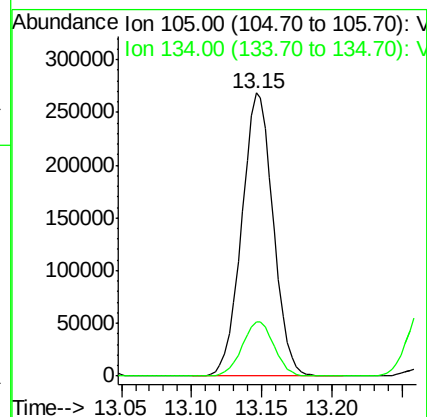
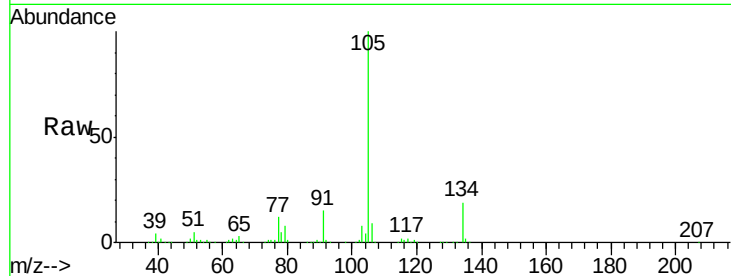
134 19.5 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 53.469 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

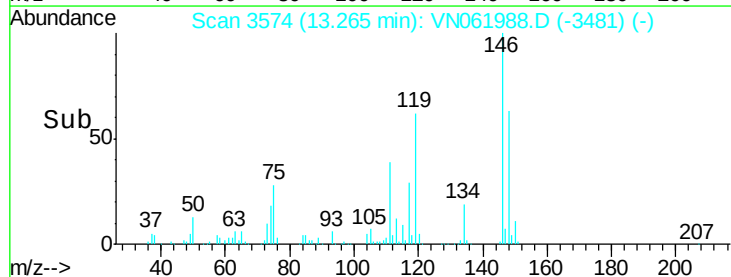
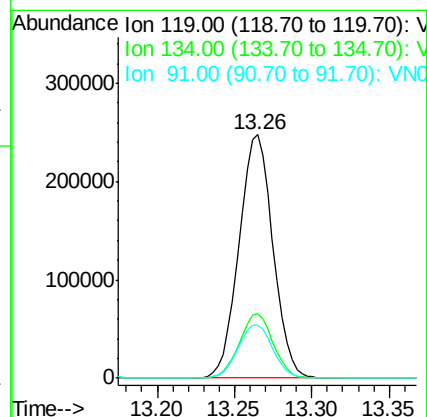
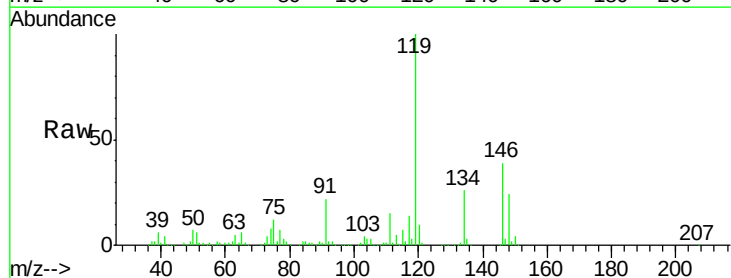
Tgt Ion:119 Resp: 375976

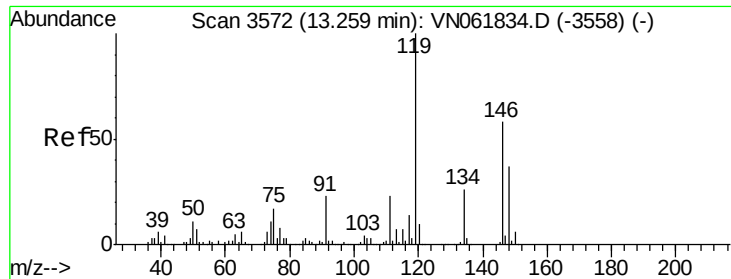
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 22.7 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 50.648 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

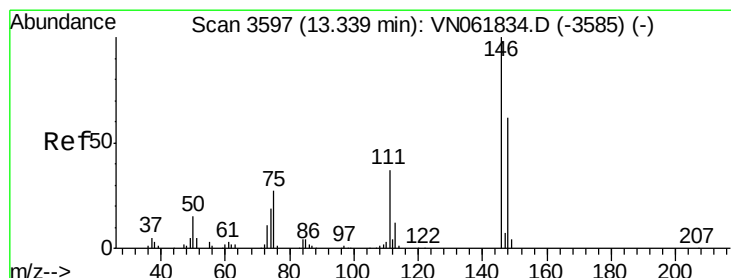
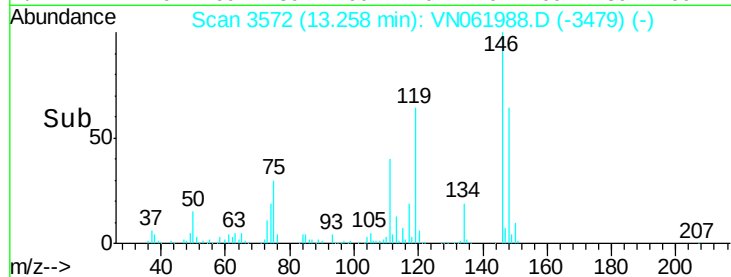
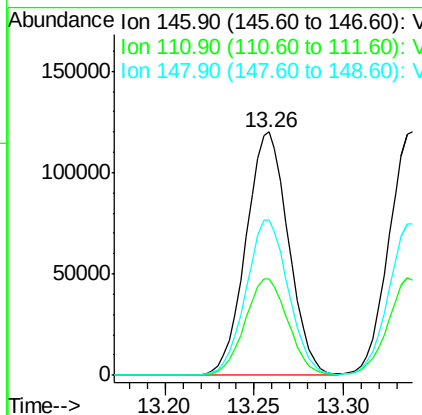
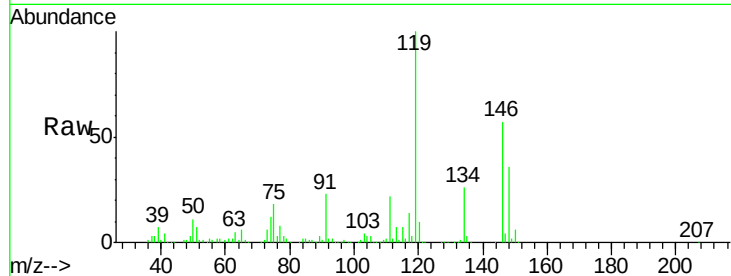
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	200325
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.6	58.8
148	63.6	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 49.018 ug/l

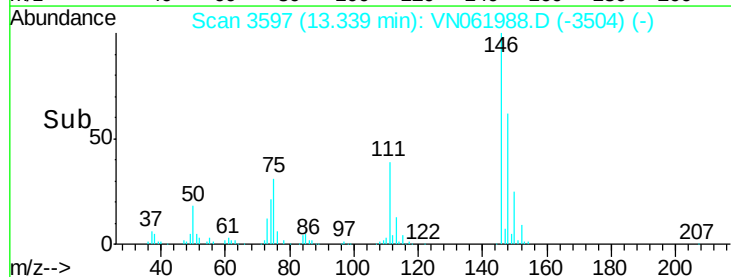
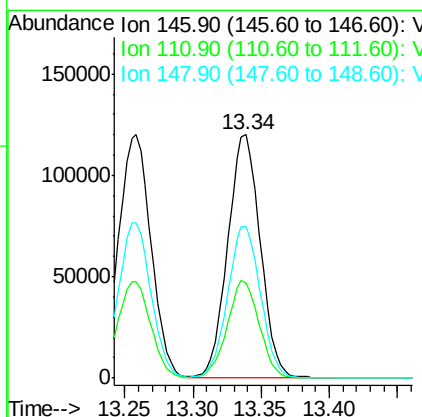
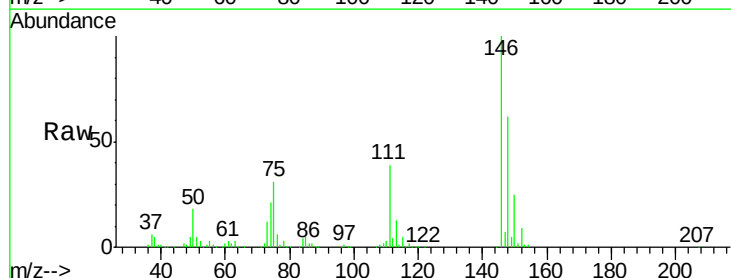
RT: 13.34 min Scan# 3597

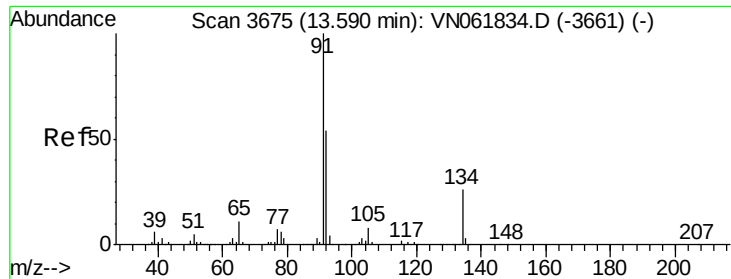
Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Tgt Ion:	146	Resp:	198456
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.3	57.8
148	63.2	31.6	94.7





#89

n-Butylbenzene

Concen: 50.206 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

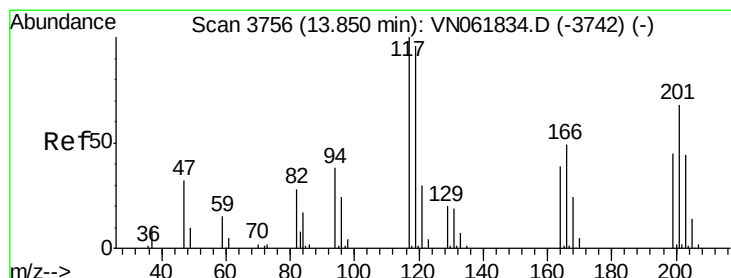
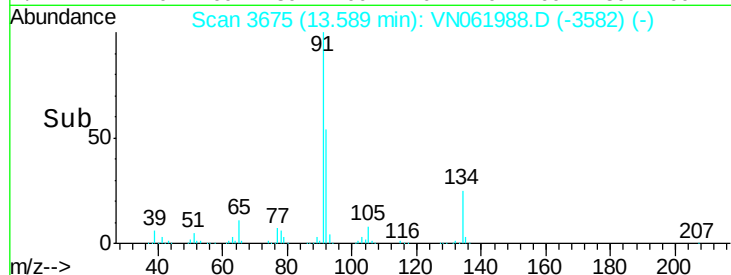
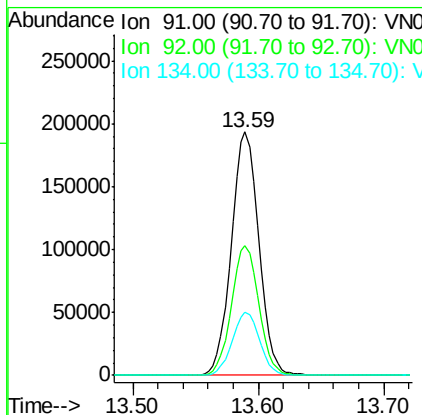
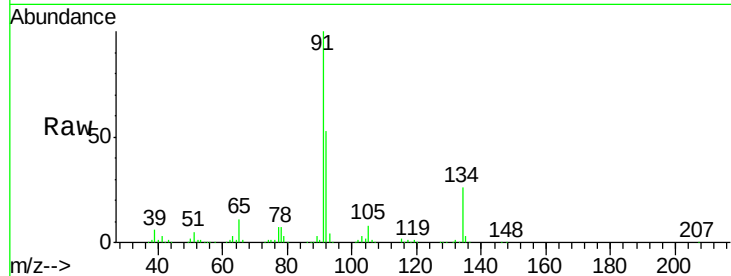
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	294835
Ion Ratio	Lower	Upper	
91	100		
92	53.1	27.0	80.8
134	25.7	13.0	39.0

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#90

Hexachloroethane

Concen: 53.281 ug/l

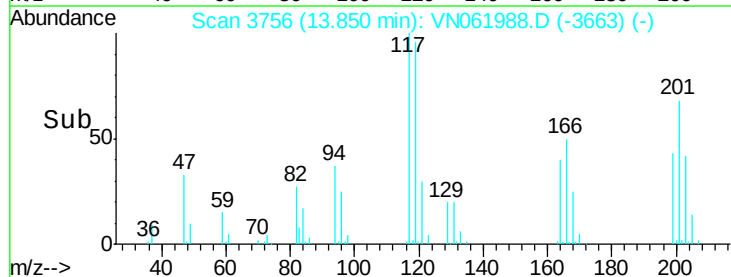
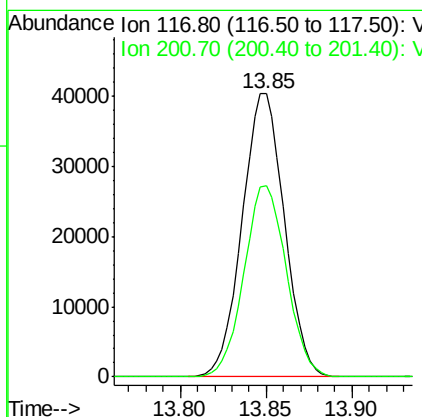
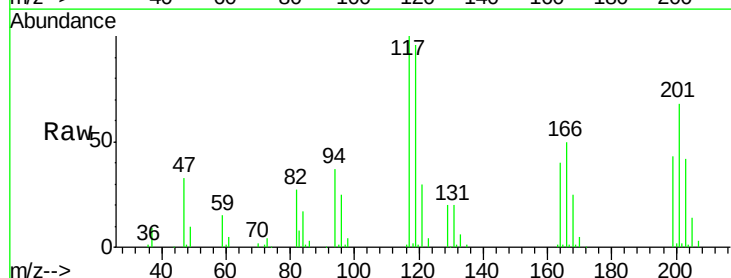
RT: 13.85 min Scan# 3756

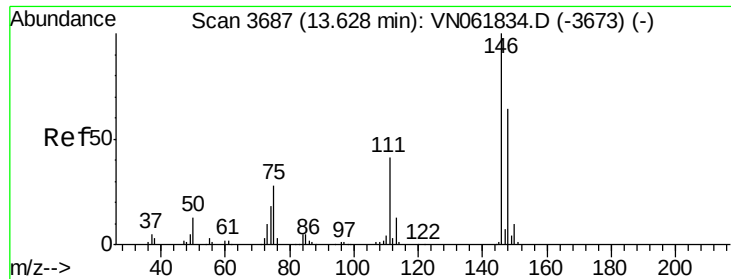
Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Tgt Ion:	117	Resp:	68581
Ion Ratio	Lower	Upper	
117	100		
201	68.0	34.6	103.8





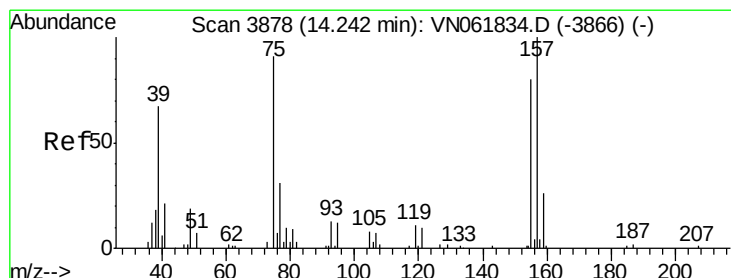
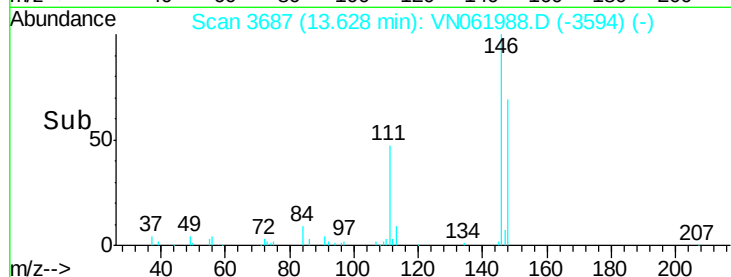
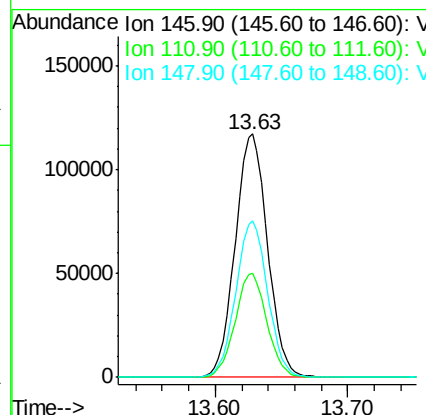
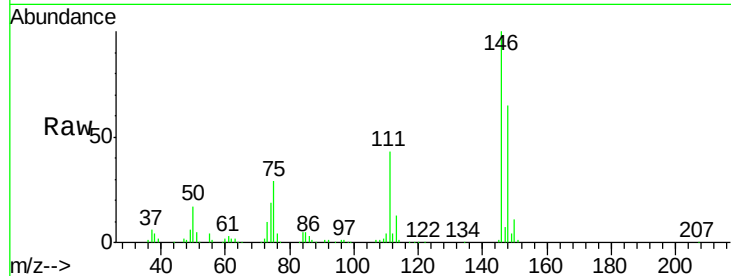
#91
 1,2-Dichlorobenzene
 Concen: 52.074 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	198286		
111	41.8		20.4	61.2
148	63.2		31.8	95.4

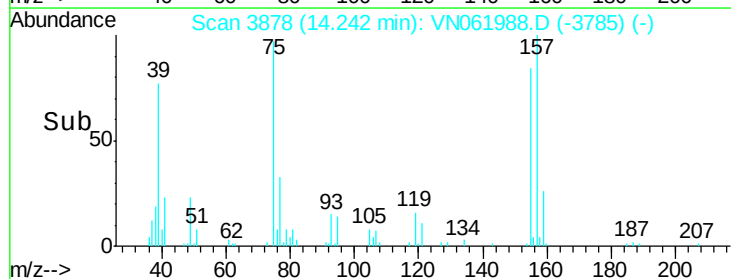
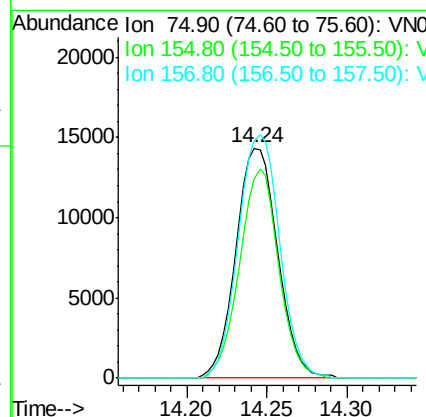
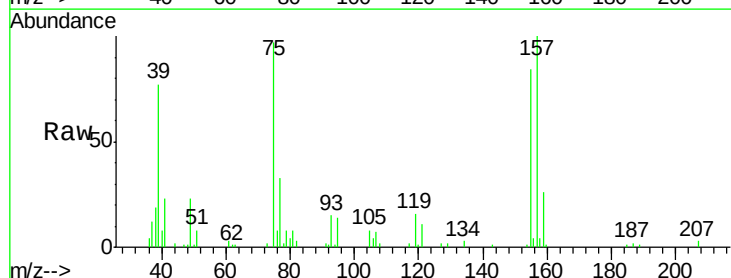
Manual Integrations
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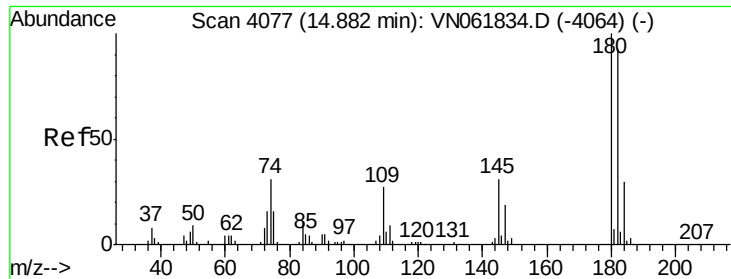
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.268 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25529		
155	84.8		44.4	133.2
157	105.3		57.0	171.2





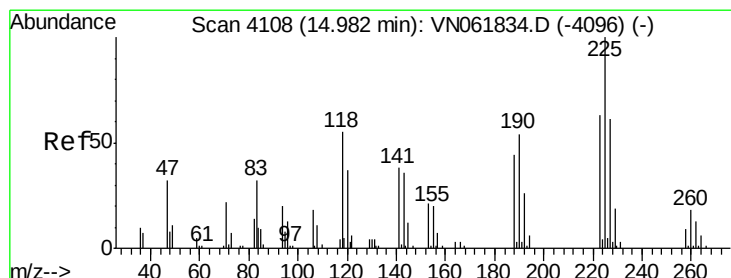
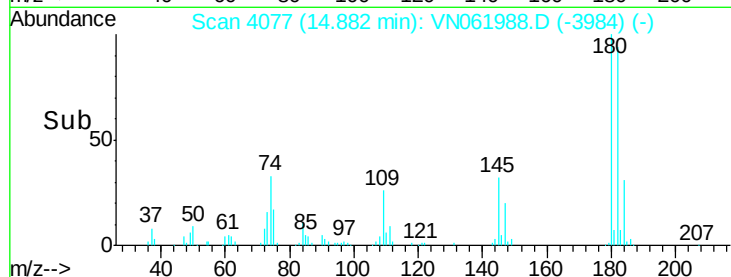
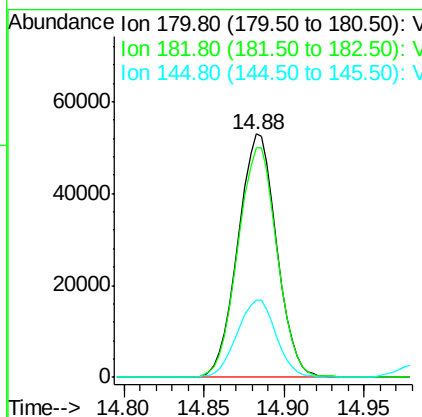
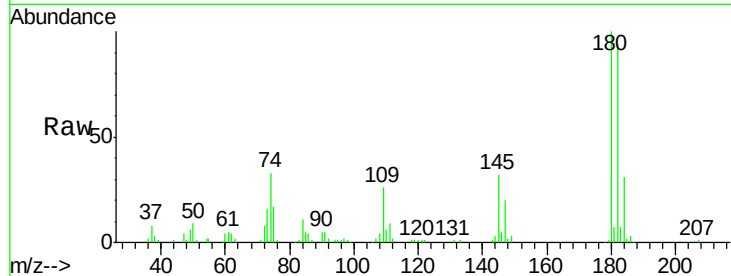
#93
1,2,4-Trichlorobenzene
Concen: 48.444 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.0	141.2
145	32.2	15.8	47.3

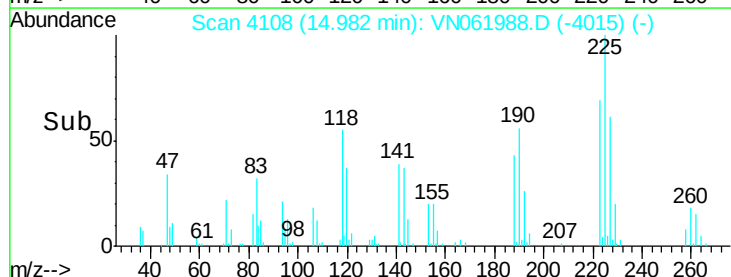
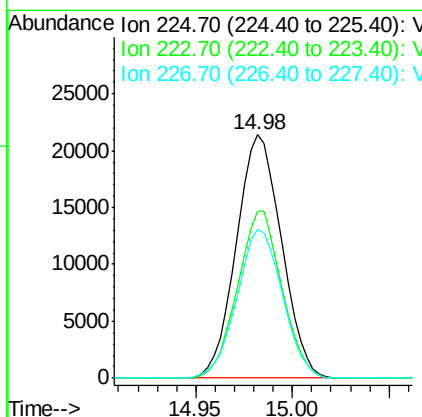
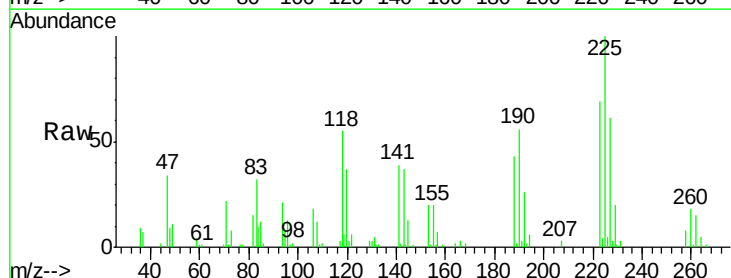
Manual Integrations
APPROVED

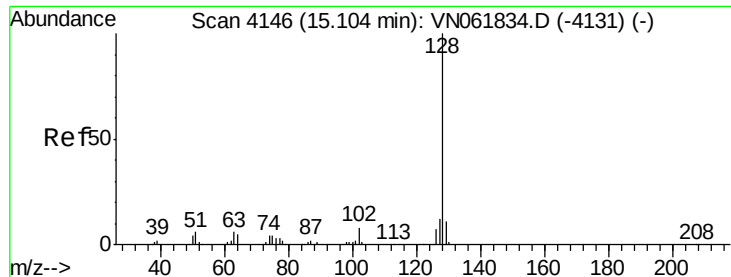
MMDadoda
6/22/2020 10:30:32 AM



#94
Hexachlorobutadiene
Concen: 49.089 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.1	31.7	95.1
227	61.6	30.1	90.3





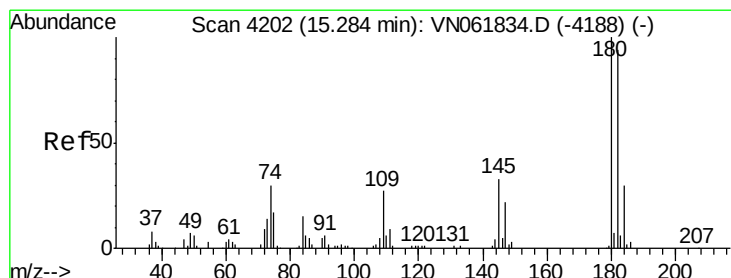
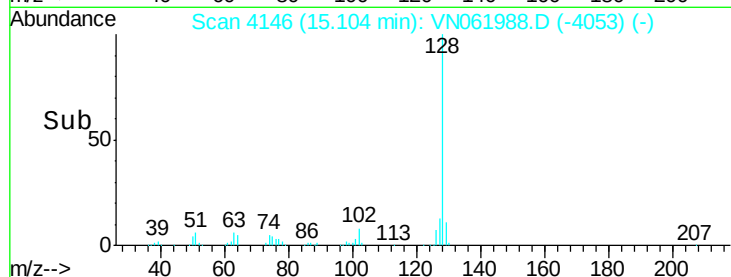
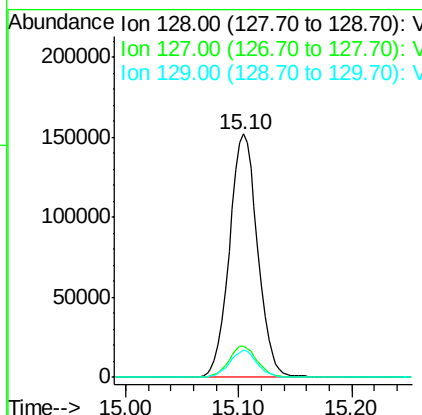
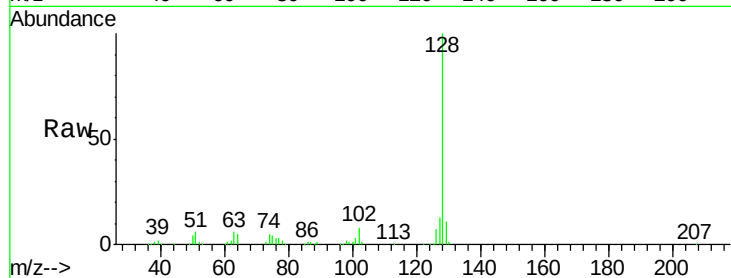
#95
Naphthalene
Concen: 44.217 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/22/2020 10:30:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.484 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.6
145	33.7	16.5	49.5

