

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062282.D
 Acq On : 1 Jul 2020 10:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 12:38:40 PM

Quant Time: Jul 01 15:53:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	223941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	401041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	379267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	156912	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	7.54	113	121132	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	10.06	98	484340	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.38	95	172006	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	116501	46.025	ug/l	98
3) Chloromethane	2.03	50	151434	50.839	ug/l	99
4) Vinyl Chloride	2.16	62	177763	44.594	ug/l	100
5) Bromomethane	2.52	94	115039	44.653	ug/l	99
6) Chloroethane	2.66	64	126579	46.484	ug/l	99
7) Trichlorofluoromethane	2.98	101	221860	45.168	ug/l	100
8) Diethyl Ether	3.37	74	88277	51.469	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	128926	50.123	ug/l	97
10) Methyl Iodide	3.90	142	149046	51.452	ug/l	100
11) Tert butyl alcohol	4.73	59	110913	245.810	ug/l	99
12) 1,1-Dichloroethene	3.69	96	126282	49.111	ug/l	97
13) Acrolein	3.56	56	111677	252.797	ug/l	97
14) Allyl chloride	4.27	41	192609	55.017	ug/l	97
15) Acrylonitrile	4.92	53	331790	269.841	ug/l	100
16) Acetone	3.77	43	293799	298.628	ug/l	97
17) Carbon Disulfide	4.00	76	354228	48.097	ug/l	100
18) Methyl Acetate	4.27	43	138851	55.580	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	437479	53.243	ug/l	94
20) Methylene Chloride	4.50	84	156965	54.428	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	138795	47.381	ug/l	87
22) Diisopropyl ether	5.90	45	446853	56.058	ug/l	97
23) Vinyl Acetate	5.84	43	1841194	282.910	ug/l	98
24) 1,1-Dichloroethane	5.79	63	270499	52.698	ug/l	99
25) 2-Butanone	6.78	43	421127	274.156	ug/l	96
26) 2,2-Dichloropropane	6.77	77	222859	52.101	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	163954	49.740	ug/l	95
28) Bromochloromethane	7.15	49	114445	51.387	ug/l	91
29) Tetrahydrofuran	7.16	42	277908	276.193	ug/l	98
30) Chloroform	7.33	83	267833	51.285	ug/l	99
31) Cyclohexane	7.61	56	223027	51.367	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	219392	49.814	ug/l	97
36) 1,1-Dichloropropene	7.75	75	201737	50.046	ug/l	98
37) Ethyl Acetate	6.88	43	175521	52.584	ug/l	99
38) Carbon Tetrachloride	7.73	117	180595	47.520	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	235173	53.245	ug/l	98
40) Benzene	8.00	78	619682	50.436	ug/l	98
41) Methacrylonitrile	7.13	41	76052m	49.146	ug/l	
42) 1,2-Dichloroethane	8.08	62	216278	52.101	ug/l	99
43) Isopropyl Acetate	8.12	43	295843	54.369	ug/l	98
44) Trichloroethene	8.80	130	143649	46.349	ug/l	96
45) 1,2-Dichloropropane	9.08	63	164080	54.131	ug/l	99
46) Dibromomethane	9.17	93	103065	50.150	ug/l	96
47) Bromodichloromethane	9.37	83	216082	52.073	ug/l	99
48) Methyl methacrylate	9.17	41	138926	56.942	ug/l	97
49) 1,4-Dioxane	9.16	88	54121	1000.300	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	901924	283.698	ug/l	98
52) Toluene	10.12	92	389438	51.948	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	242030	53.015	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	262219	53.950	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	153787	52.187	ug/l	98
56) Ethyl methacrylate	10.40	69	222760	56.643	ug/l	97
57) 1,3-Dichloropropane	10.68	76	269078	53.049	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	434735	259.020	ug/l	96
59) 2-Hexanone	10.72	43	662534	288.602	ug/l	99
60) Dibromochloromethane	10.87	129	157510	50.486	ug/l	99
61) 1,2-Dibromoethane	10.98	107	150561	49.724	ug/l	100
64) Tetrachloroethene	10.60	164	114048	44.021	ug/l	98
65) Chlorobenzene	11.40	112	406958	48.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	141526	49.141	ug/l	99
67) Ethyl Benzene	11.48	91	739631	52.582	ug/l	99
68) m/p-Xylenes	11.59	106	564405	103.740	ug/l	98
69) o-Xylene	11.92	106	266108	51.840	ug/l	96
70) Styrene	11.94	104	458970	53.612	ug/l	98
71) Bromoform	12.10	173	100436	49.049	ug/l	# 99
73) Isopropylbenzene	12.22	105	716109	50.507	ug/l	99
74) N-amyl acetate	12.04	43	267664	51.197	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	232834	49.347	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	211181m	48.977	ug/l	
77) Bromobenzene	12.50	156	160280	45.533	ug/l	89
78) n-propylbenzene	12.56	91	855721	52.763	ug/l	98
79) 2-Chlorotoluene	12.65	91	495325	50.520	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	597946	52.023	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	77868	52.739	ug/l	96
82) 4-Chlorotoluene	12.75	91	523558	51.638	ug/l	97
83) tert-Butylbenzene	12.97	119	505168	51.356	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	604438	52.654	ug/l	99
85) sec-Butylbenzene	13.15	105	710729	54.681	ug/l	98
86) p-Isopropyltoluene	13.26	119	621131	54.545	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	303989	49.180	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	302828	47.527	ug/l	99
89) n-Butylbenzene	13.59	91	540616	57.103	ug/l	99
90) Hexachloroethane	13.85	117	115868	51.861	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	296575	49.479	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	39340	52.048	ug/l	91

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VSTDCCC050

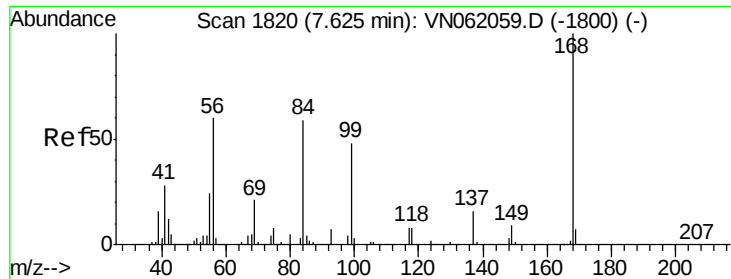
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	132107	50.452	ug/l	97
94) Hexachlorobutadiene	14.98	225	58729	51.640	ug/l	99
95) Naphthalene	15.10	128	364082	42.365	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	132535	49.501	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 223941

Ion Ratio Lower Upper

168 100

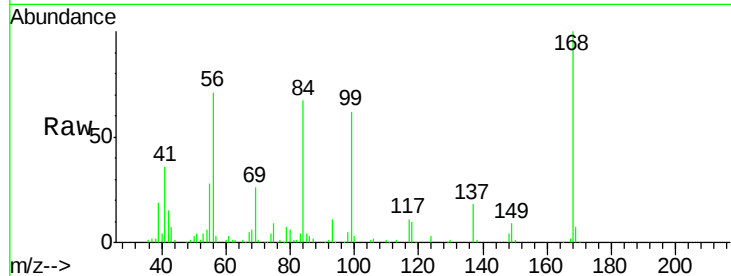
99 62.2 45.8 68.8

Manual Integrations

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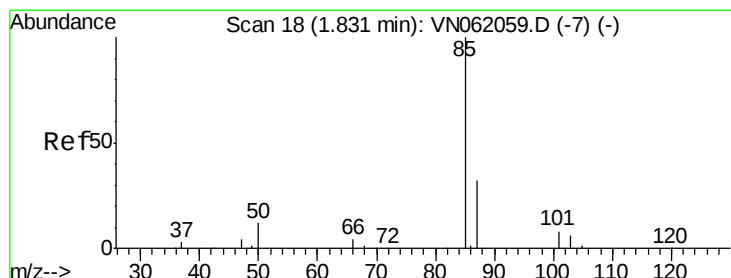
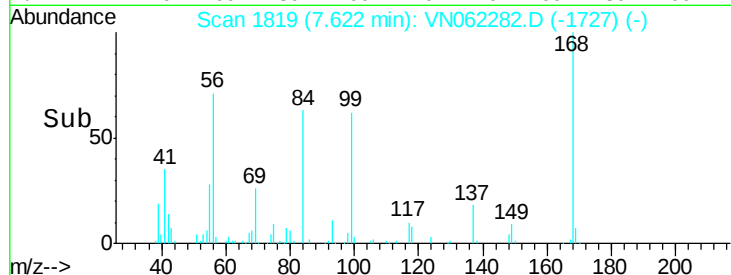
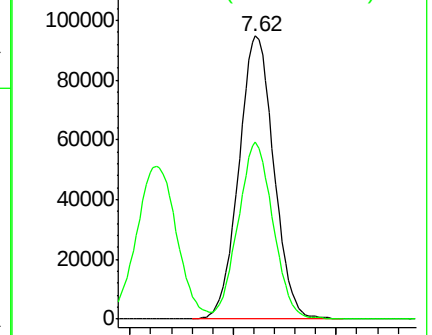
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.025 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062282.D

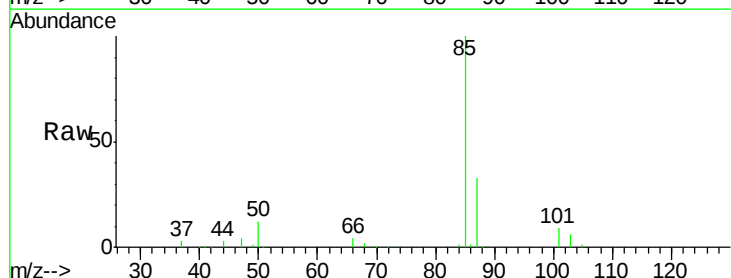
Acq: 1 Jul 2020 10:47

Tgt Ion: 85 Resp: 116501

Ion Ratio Lower Upper

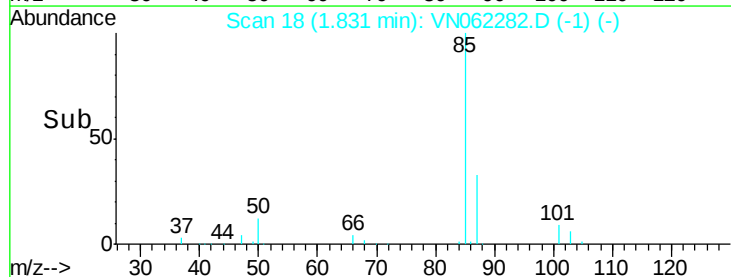
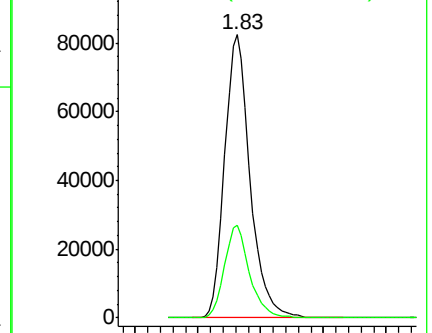
85 100

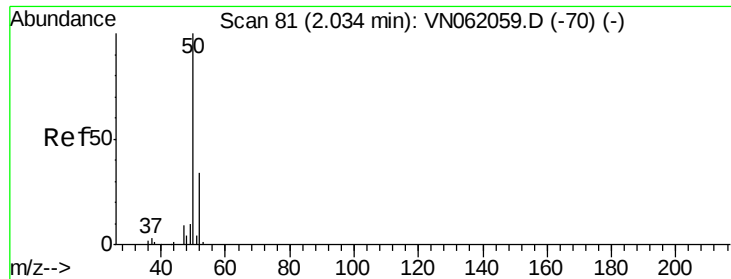
87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.839 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 151434

Ion Ratio Lower Upper

50 100

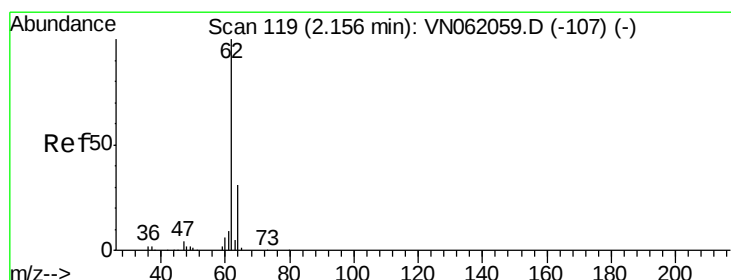
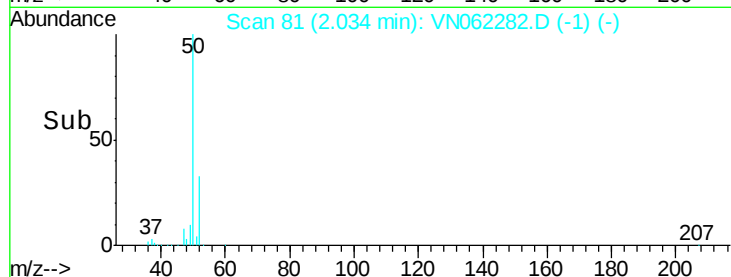
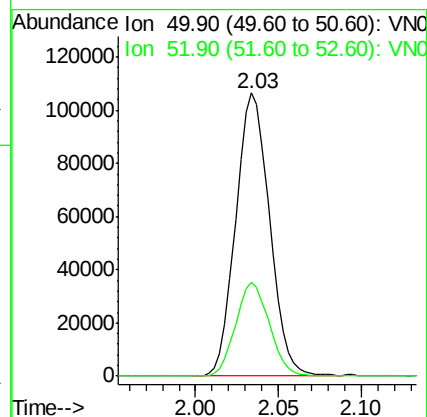
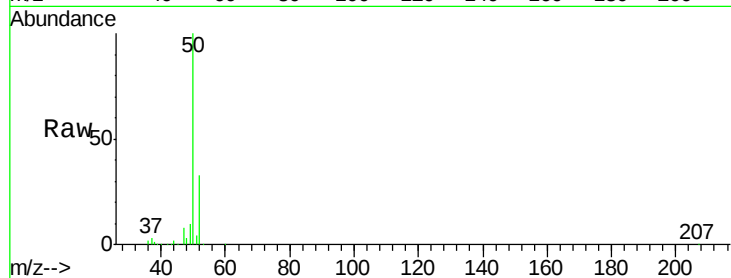
52 33.1 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.594 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062282.D

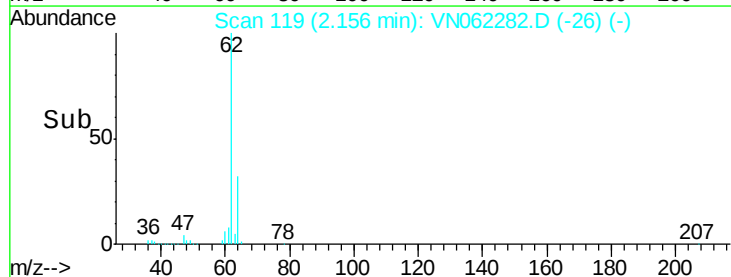
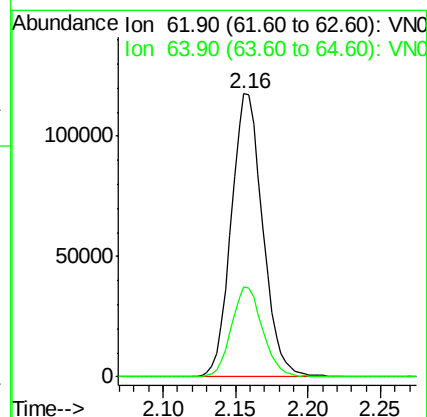
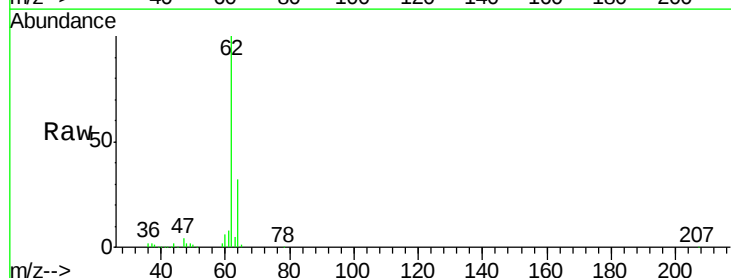
Acq: 1 Jul 2020 10:47

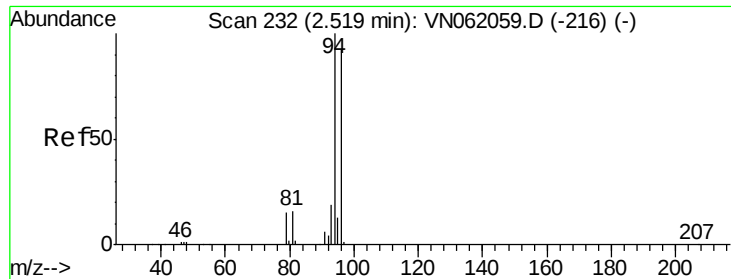
Tgt Ion: 62 Resp: 177763

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 44.653 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 115039

Ion Ratio Lower Upper

94 100

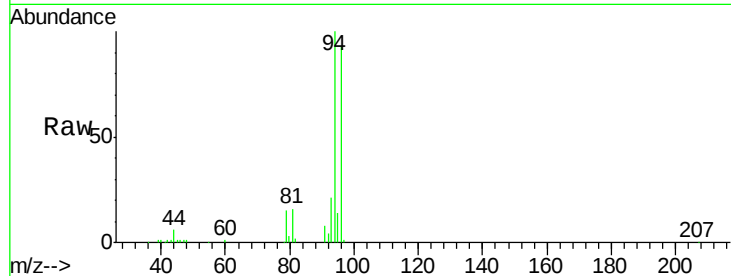
96 92.6 73.4 110.2

Manual Integrations

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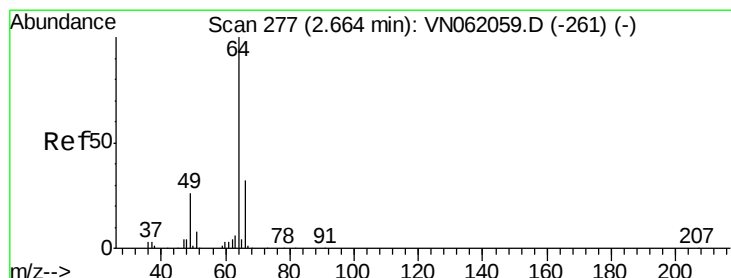
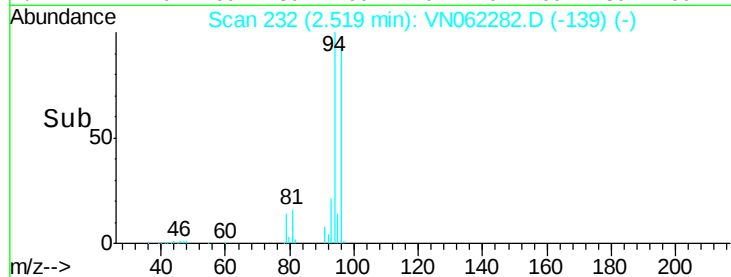
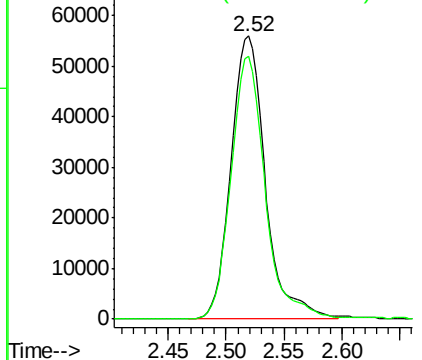
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.484 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062282.D

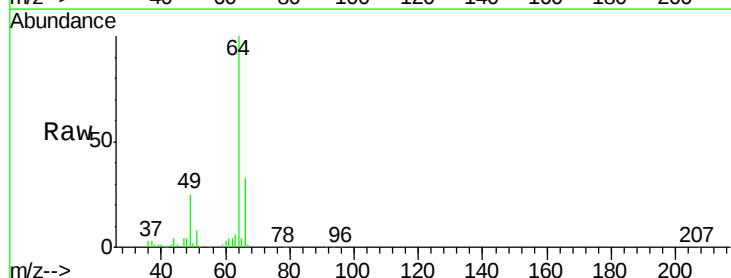
Acq: 1 Jul 2020 10:47

Tgt Ion: 64 Resp: 126579

Ion Ratio Lower Upper

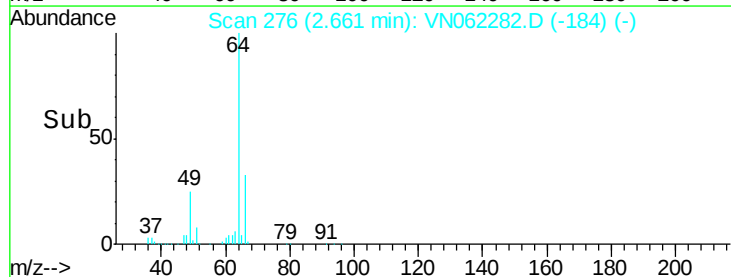
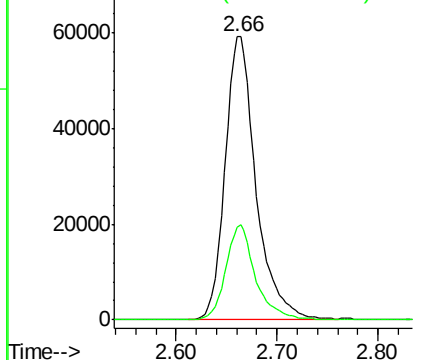
64 100

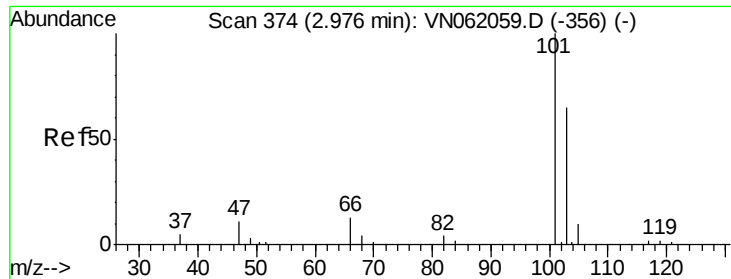
66 32.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

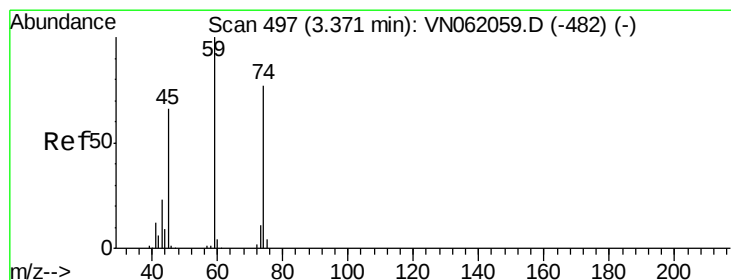
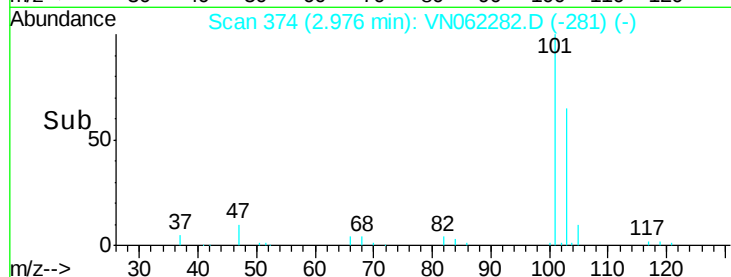
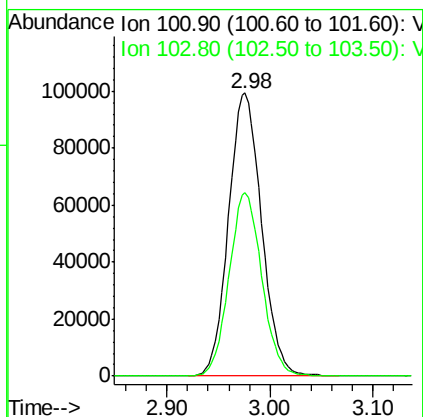
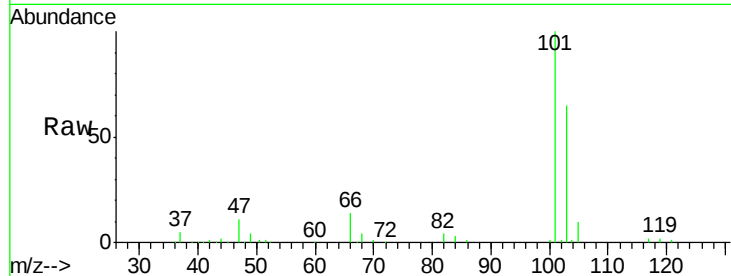
Trichlorofluoromethane
 Concen: 45.168 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.6

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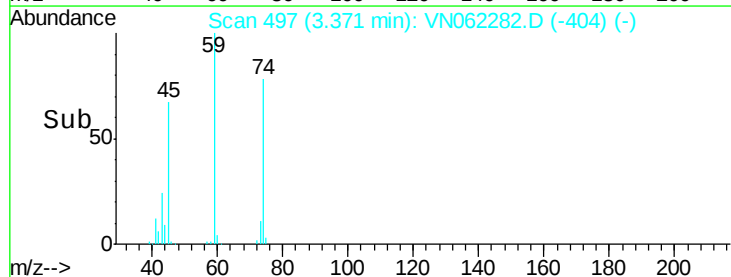
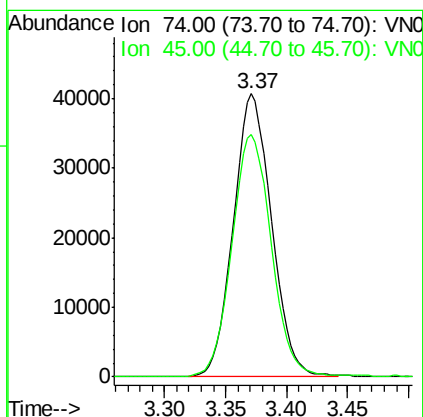
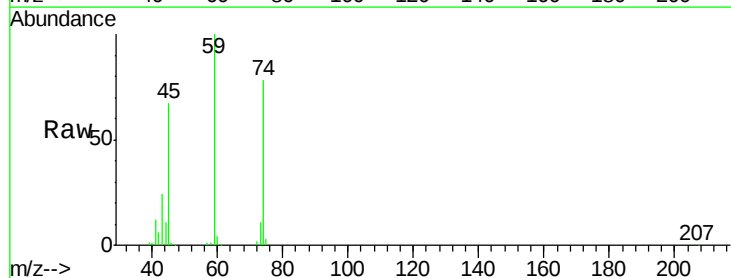
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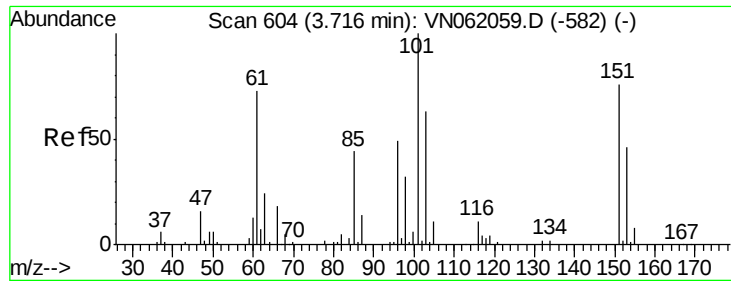


#8

Diethyl Ether
 Concen: 51.469 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.2	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.123 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

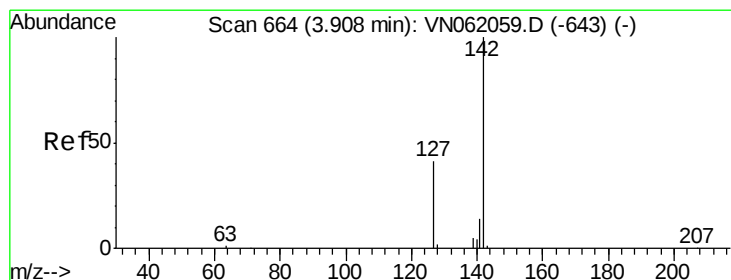
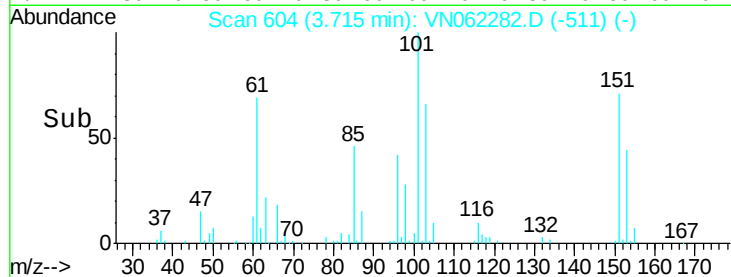
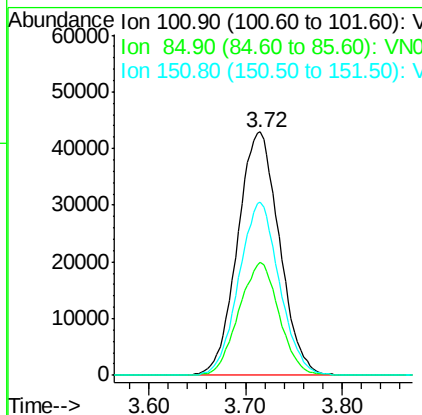
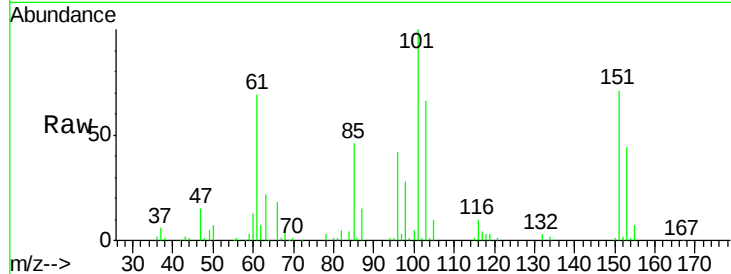
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128926
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.5	51.7
151	69.2	57.8	86.8

Manual Integrations
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#10

Methyl Iodide

Concen: 51.452 ug/l

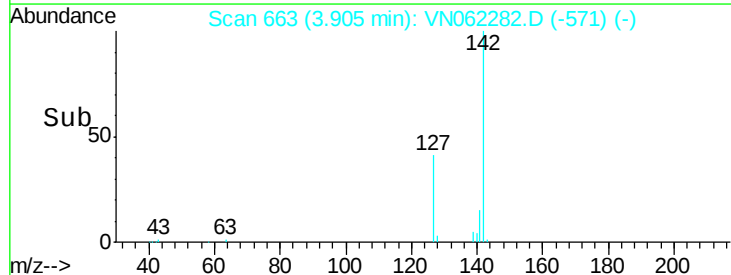
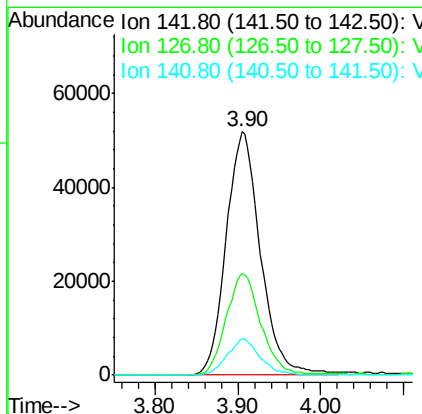
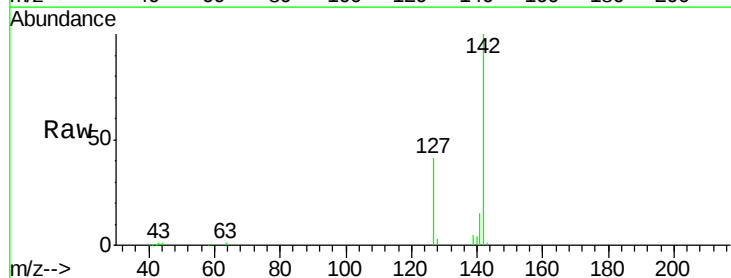
RT: 3.90 min Scan# 663

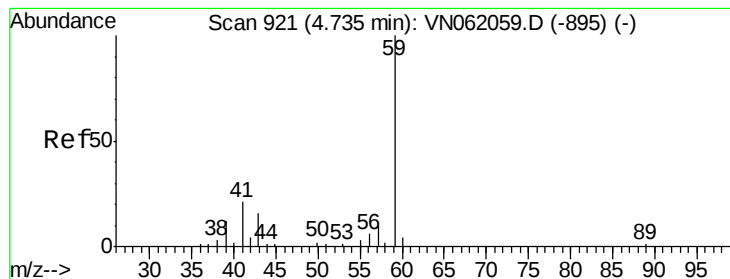
Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Tgt Ion:	142	Resp:	149046
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.6	50.4
141	14.3	11.3	16.9





#11

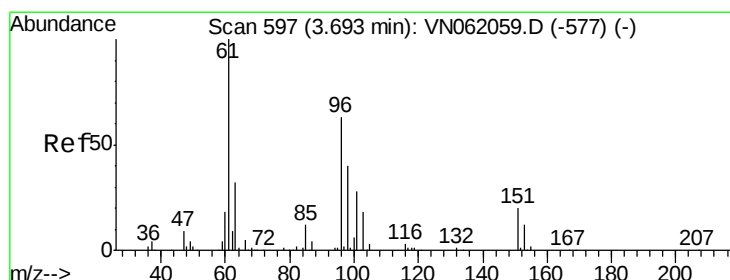
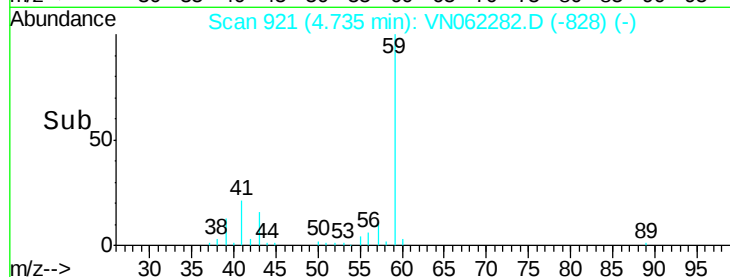
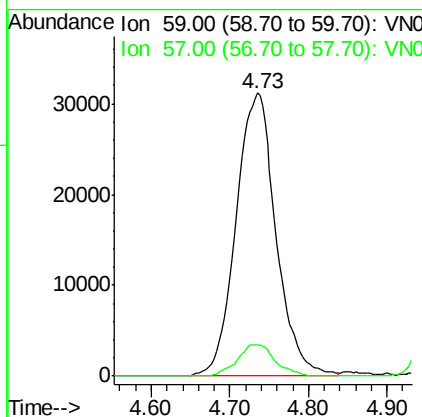
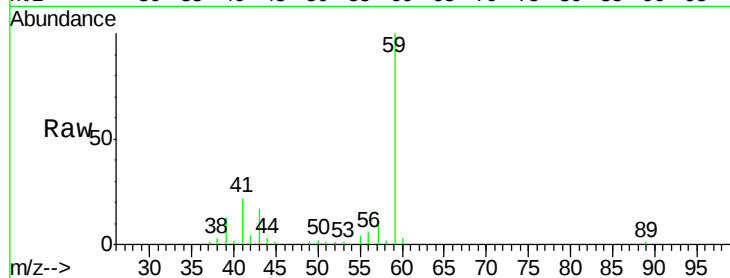
Tert butyl alcohol
Concen: 245.810 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.7	Resp	110913	Lower	8.3	Upper	12.5
Ion	59	57	Ratio	100	10.7	Resp	110913	Lower	8.3	Upper	12.5

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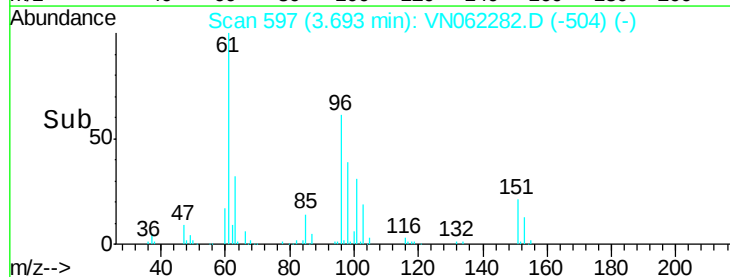
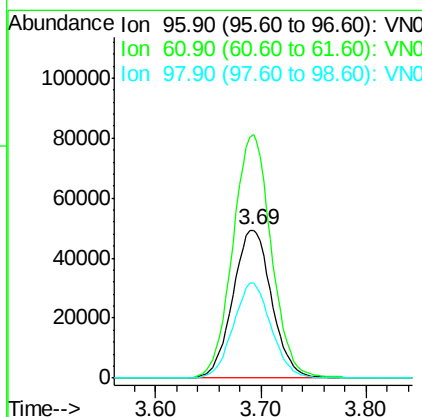
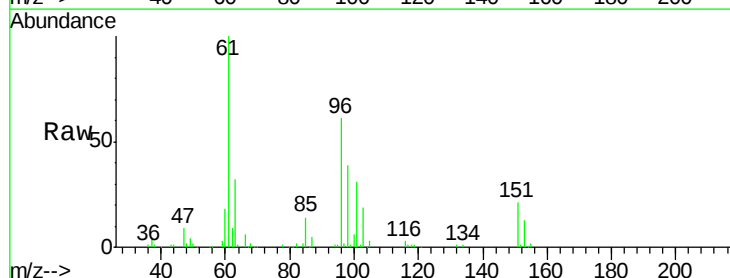
MMDadoda
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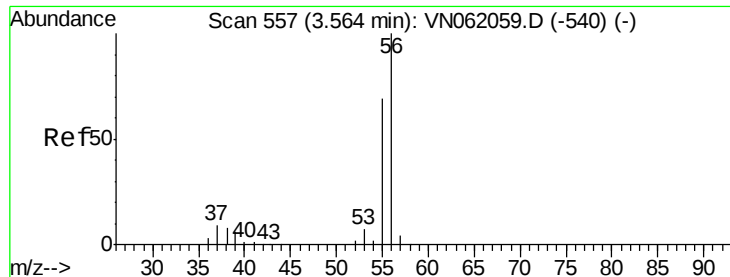


#12

1,1-Dichloroethene
Concen: 49.111 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	96	61	98	Ratio	100	164.3	64.3	Resp	126282	Lower	126.7	Upper	190.1	76.4
Ion	96	61	98	Ratio	100	164.3	64.3	Resp	126282	Lower	126.7	Upper	190.1	76.4





#13

Acrolein

Concen: 252.797 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 111677

Ion Ratio Lower Upper

56 100

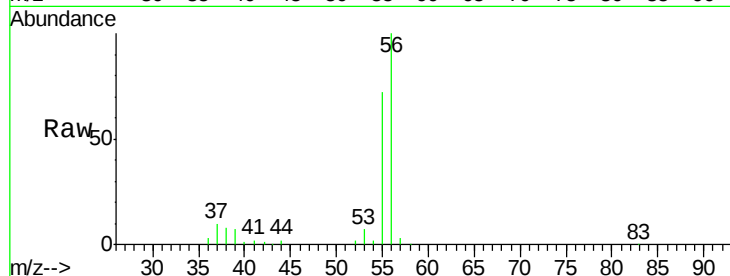
55 71.9 55.5 83.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN062059.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN062059.D (-540) (-)

50000

40000

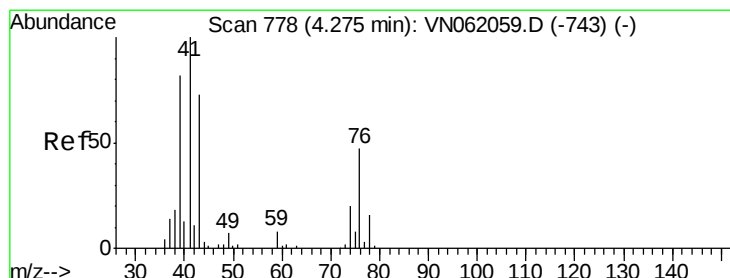
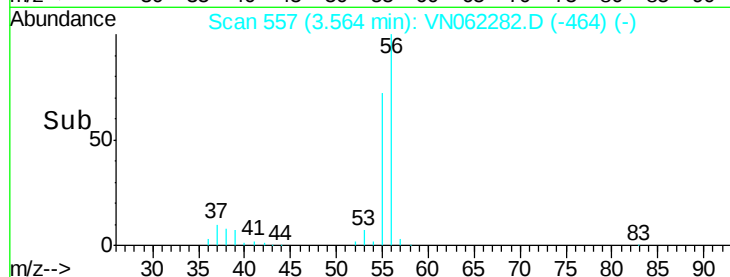
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 55.017 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

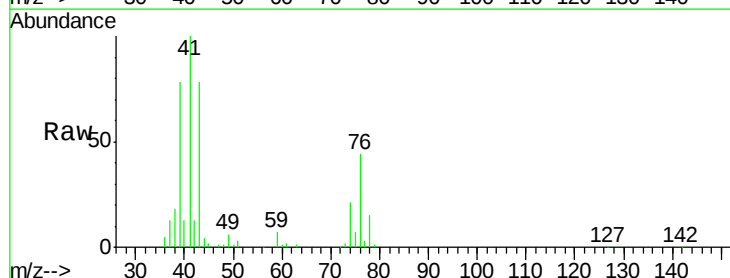
Tgt Ion: 41 Resp: 192609

Ion Ratio Lower Upper

41 100

39 72.8 60.0 90.0

76 39.9 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN062059.D (-743) (-)

Ion 39.00 (38.70 to 39.70): VN062059.D (-743) (-)

Ion 75.90 (75.60 to 76.60): VN062059.D (-743) (-)

80000

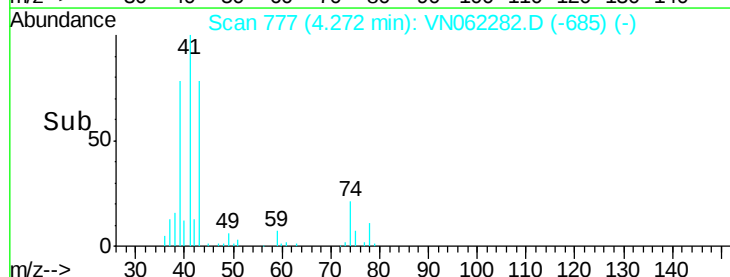
60000

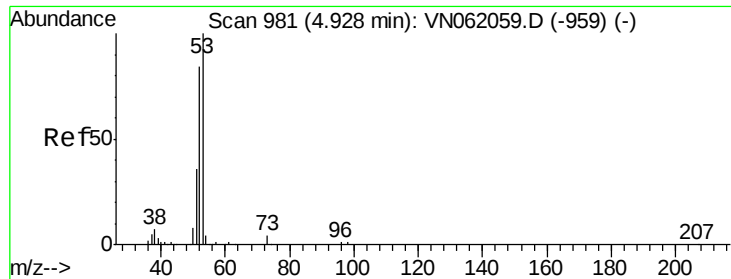
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 269.841 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

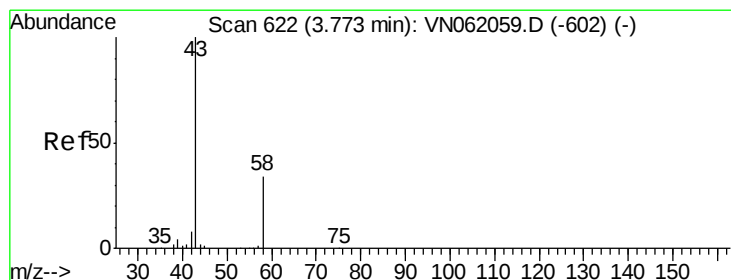
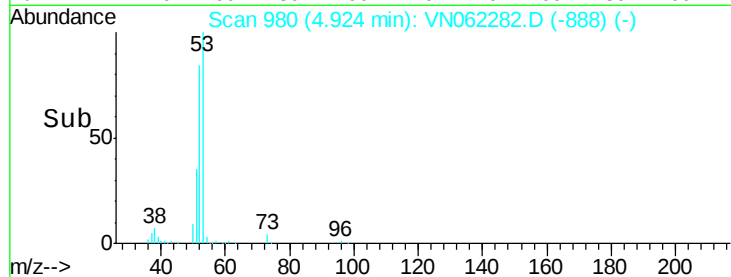
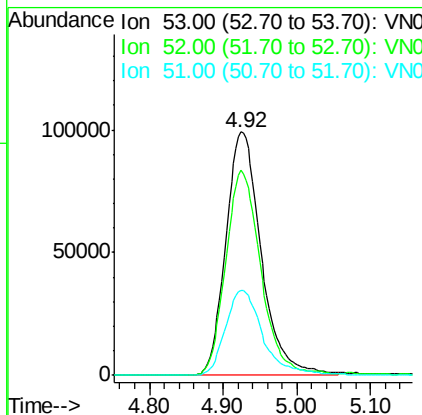
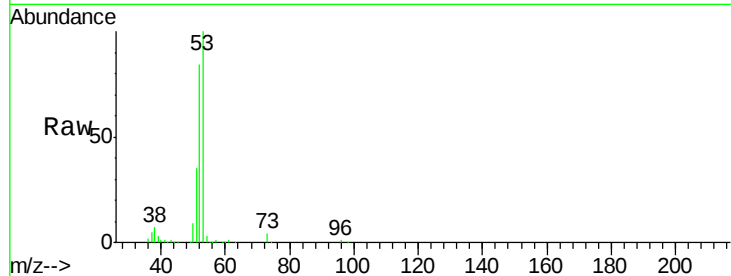
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	331790
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.4
51	36.7	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 298.628 ug/l

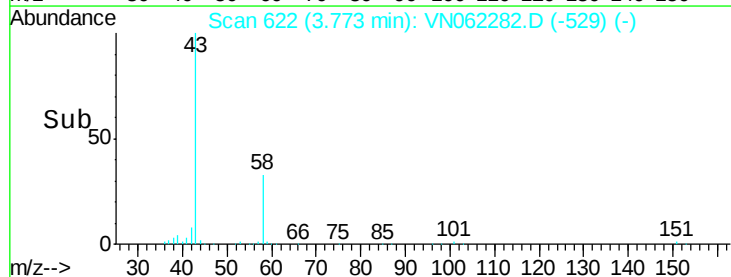
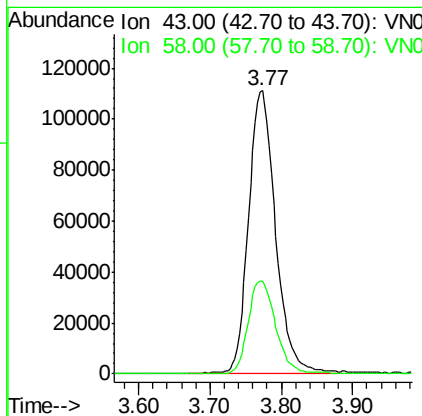
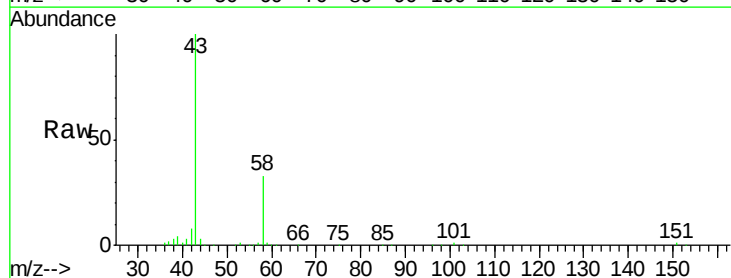
RT: 3.77 min Scan# 622

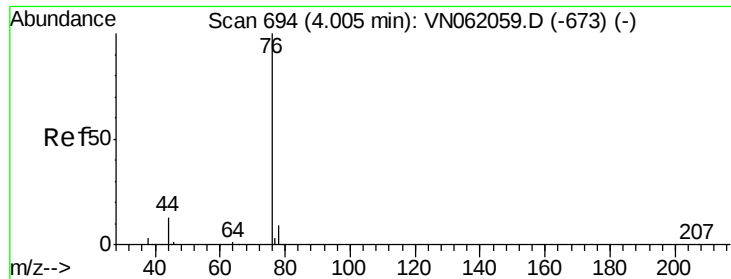
Delta R.T. 0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Tgt Ion:	43	Resp:	293799
Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.5	41.3





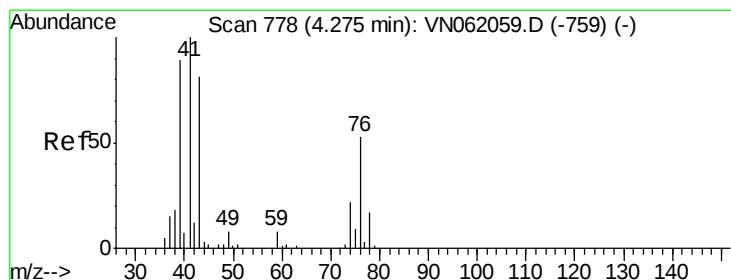
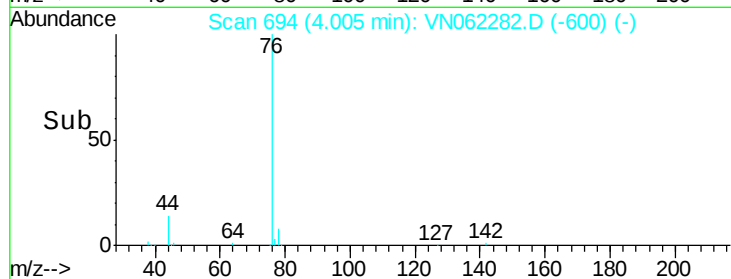
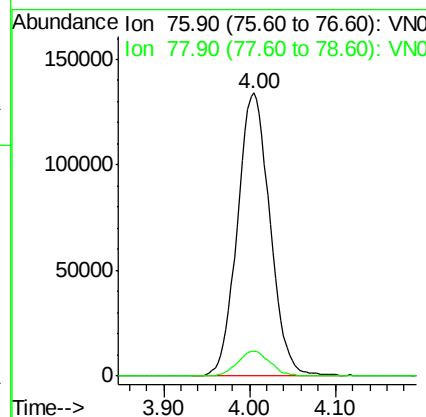
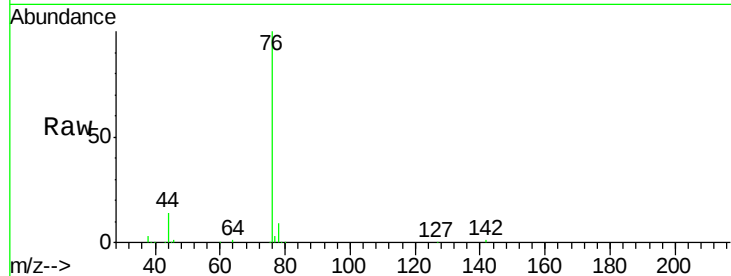
#17
Carbon Disulfide
Concen: 48.097 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

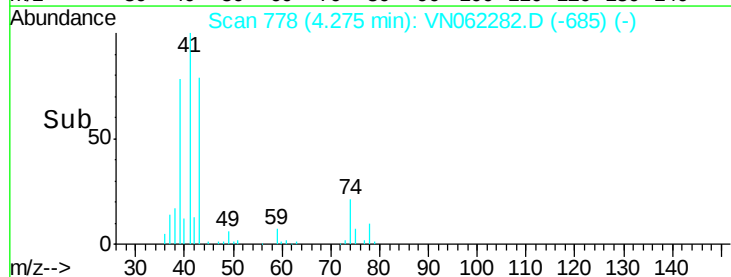
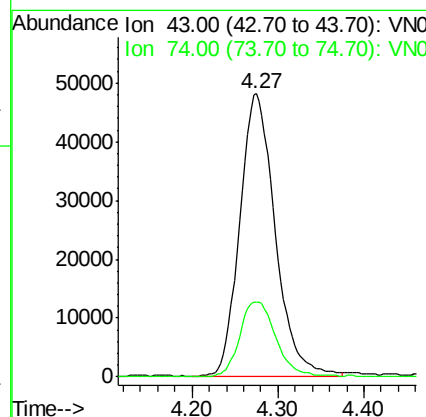
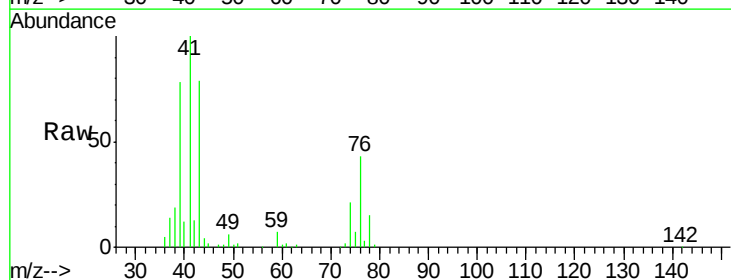
Manual Integrations
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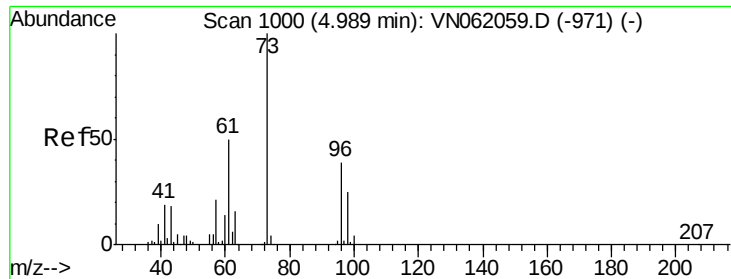
MMDadoda
7/2/2020 12:38:40 PM



#18
Methyl Acetate
Concen: 55.580 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	22.9	34.3





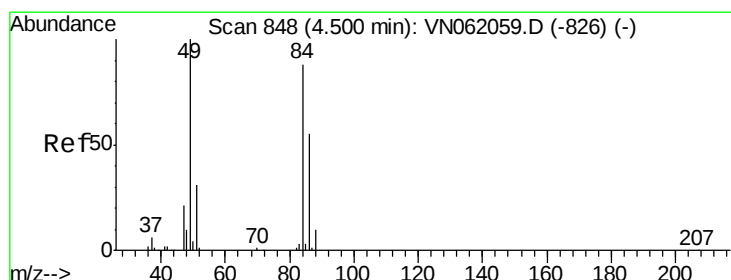
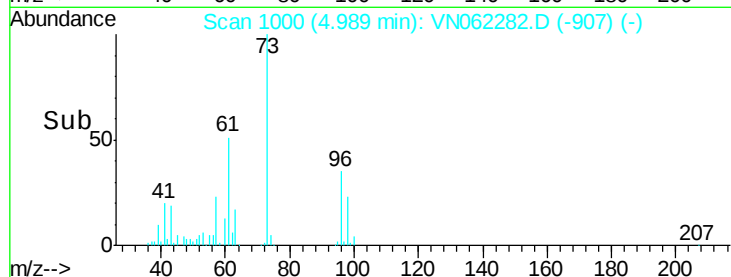
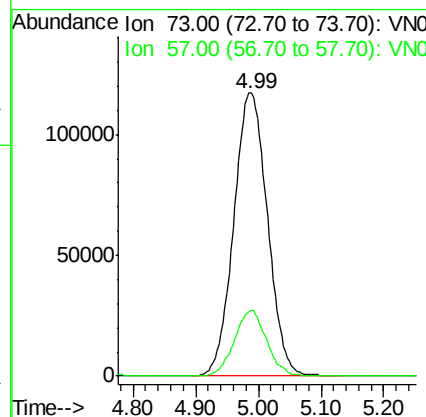
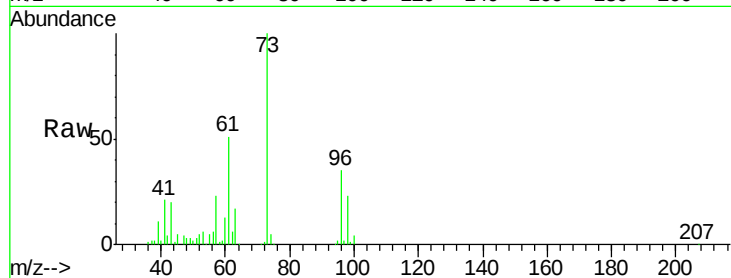
#19
Methvl tert-butvl Ether
Concen: 53.243 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 437479
Ion Ratio Lower Upper
73 100
57 23.4 16.6 24.8

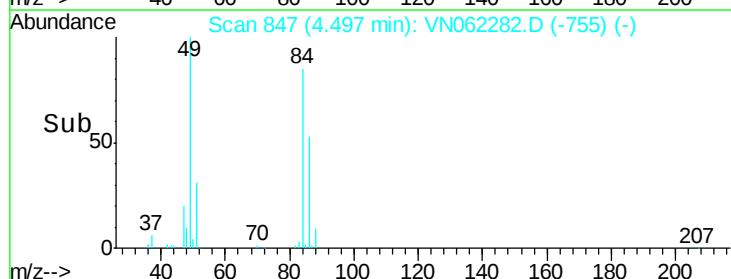
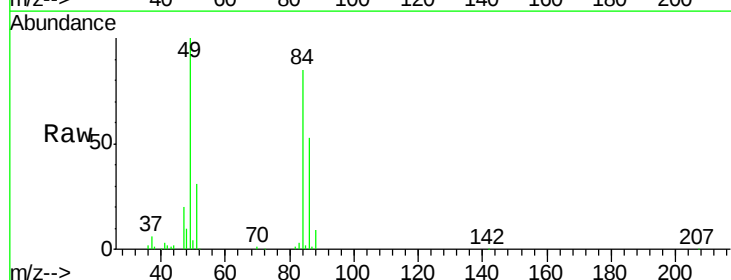
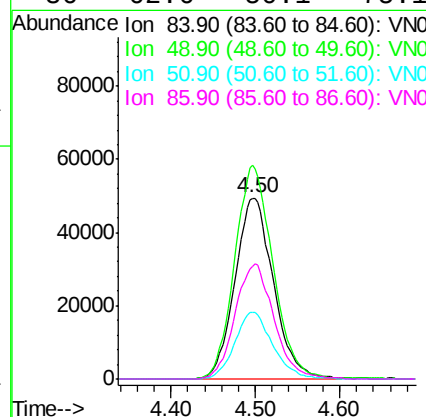
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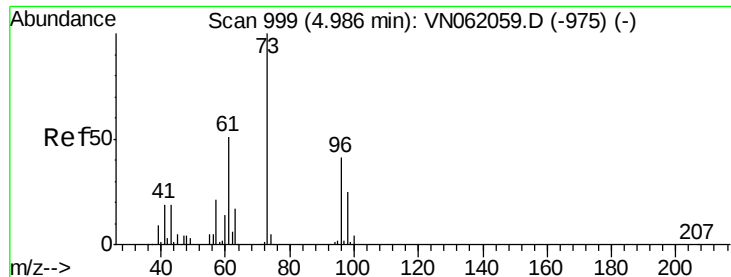
MMDadoda
7/2/2020 12:38:40 PM



#20
Methylene Chloride
Concen: 54.428 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion: 84 Resp: 156965
Ion Ratio Lower Upper
84 100
49 118.1 90.6 136.0
51 36.9 27.8 41.8
86 62.6 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 47.381 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

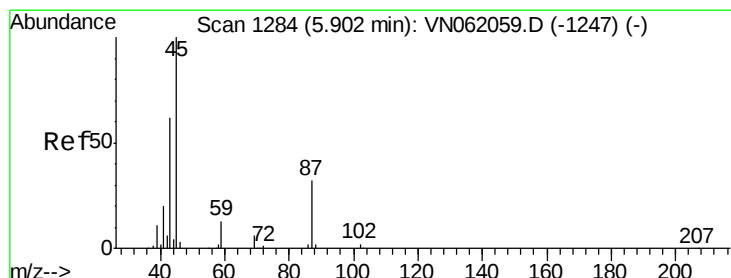
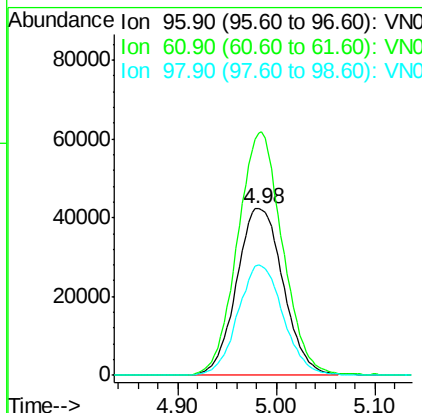
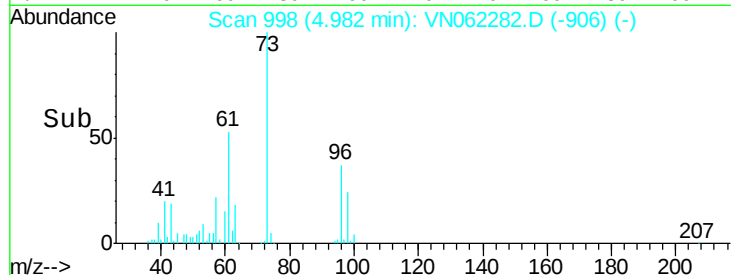
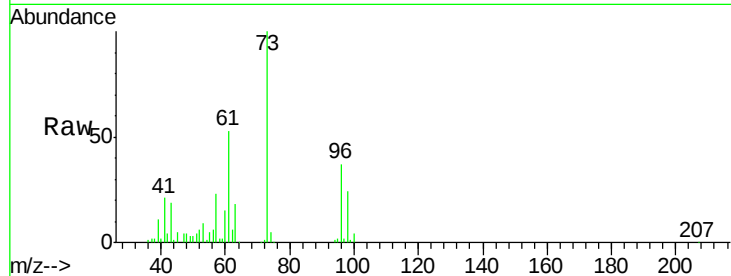
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	138795
Ion	Ratio	Lower	Upper
96	100		
61	144.8	101.4	152.2
98	66.6	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.058 ug/l

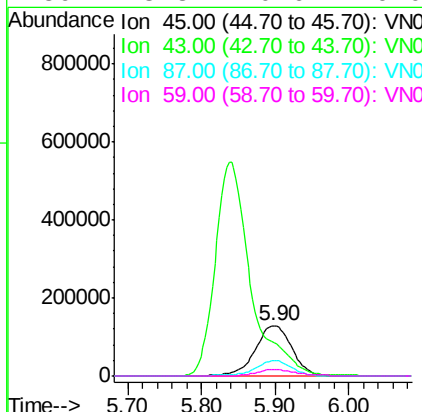
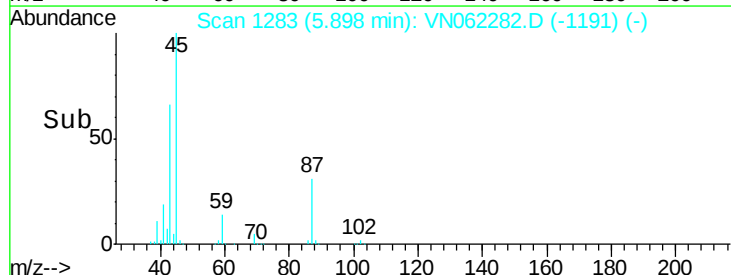
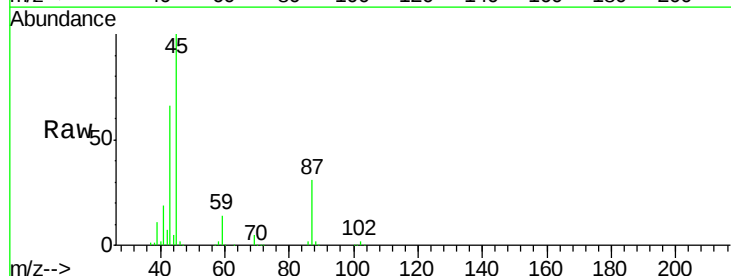
RT: 5.90 min Scan# 1283

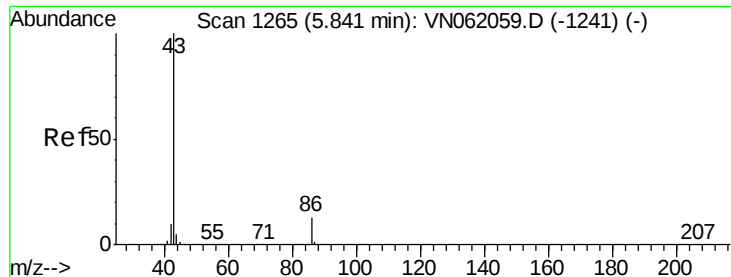
Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Tgt Ion:	45	Resp:	446853
Ion	Ratio	Lower	Upper
45	100		
43	64.5	49.7	74.5
87	31.1	25.9	38.9
59	13.3	10.6	16.0





#23

Vinyl Acetate

Concen: 282.910 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1841194

Ion Ratio Lower Upper

43 100

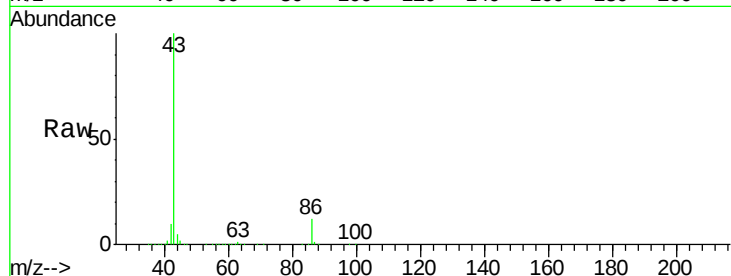
86 11.8 10.1 15.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

600000

500000

400000

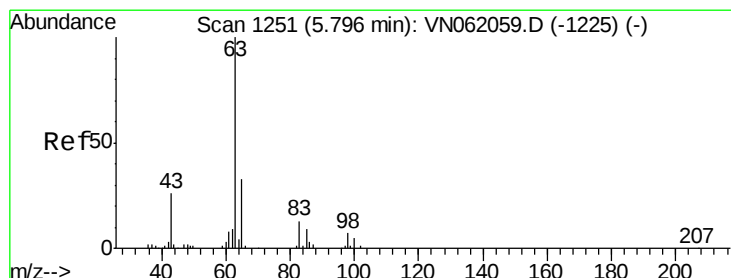
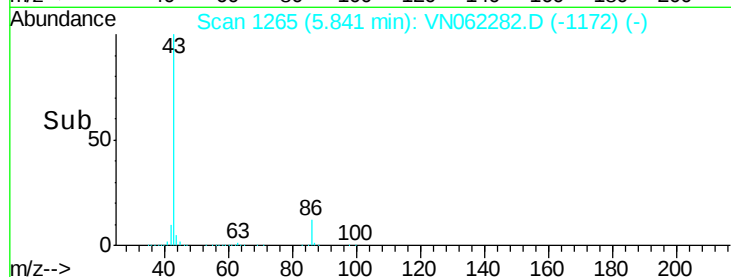
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.698 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

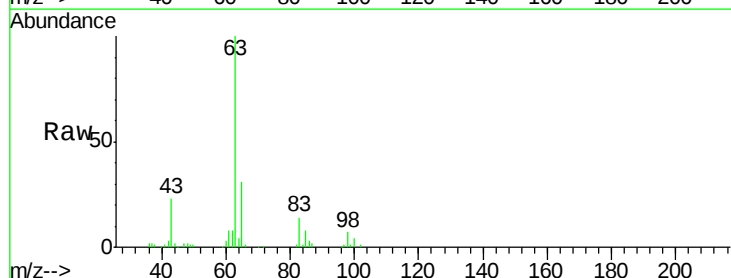
Tgt Ion: 63 Resp: 270499

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 4.3 2.4 7.1



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

5.79

100000

80000

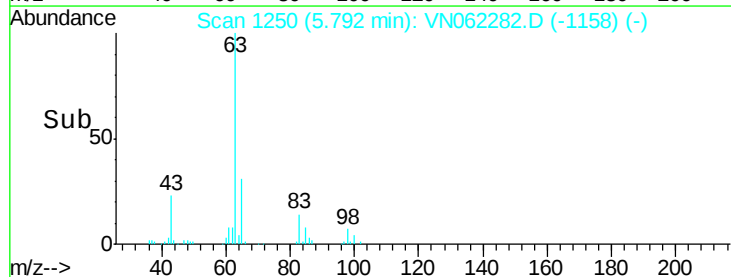
60000

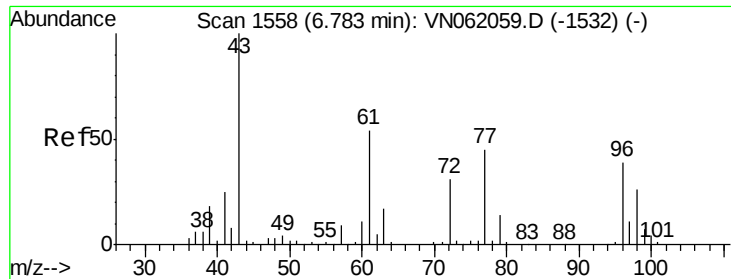
40000

20000

0

Time-->





#25

2-Butanone

Concen: 274.156 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 421127

Ion Ratio Lower Upper

43 100

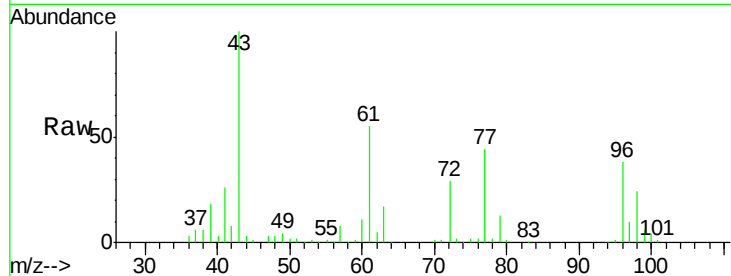
72 28.6 24.8 37.2

Manual Integrations

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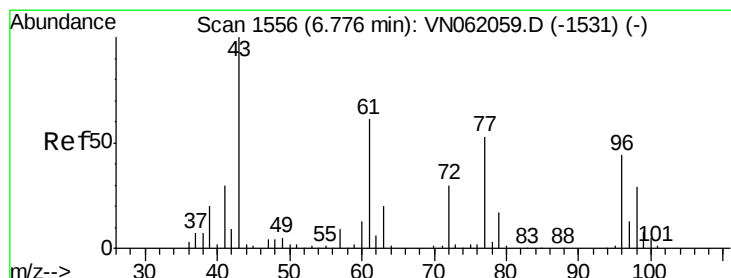
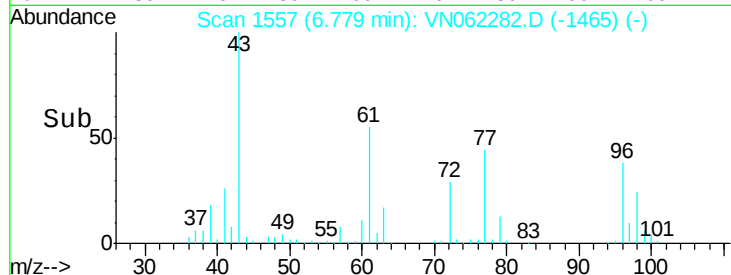
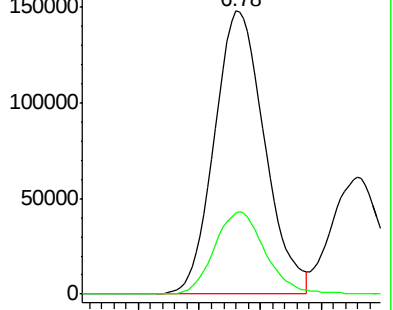
MMDadoda

7/2/2020 12:38:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 52.101 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN062282.D

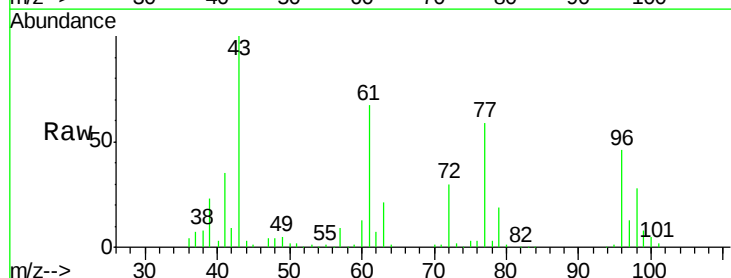
Acq: 1 Jul 2020 10:47

Tgt Ion: 77 Resp: 222859

Ion Ratio Lower Upper

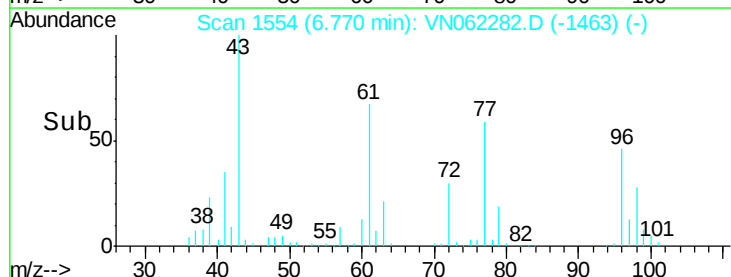
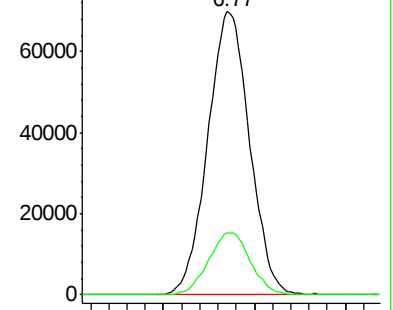
77 100

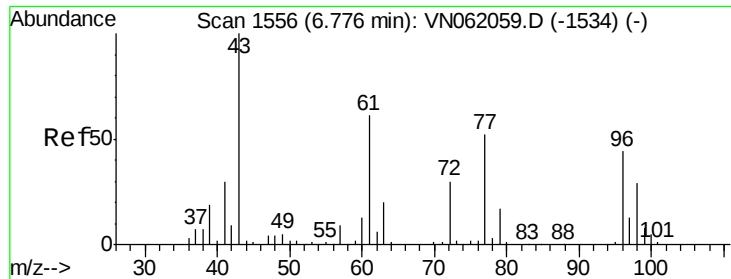
97 21.9 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





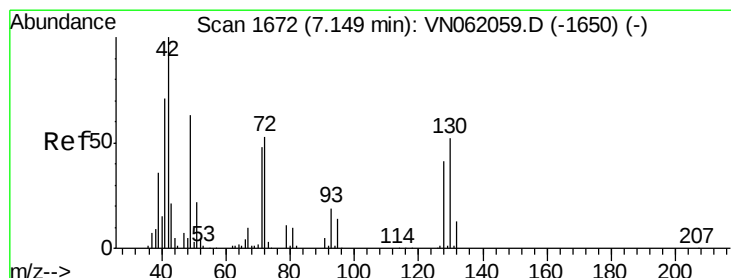
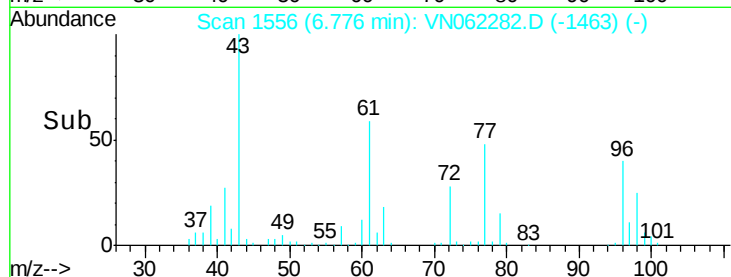
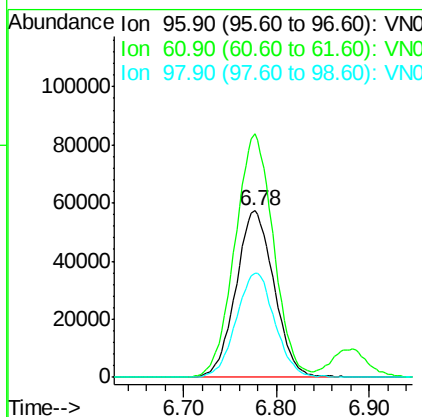
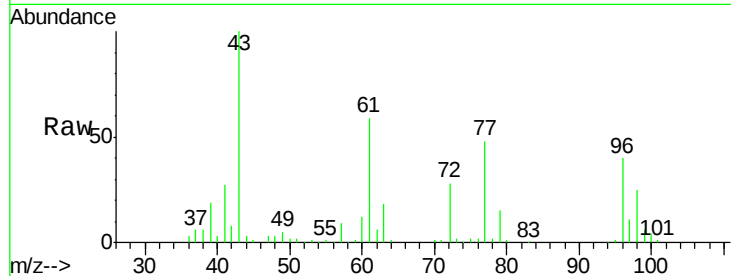
#27
 cis-1,2-Dichloroethene
 Concen: 49.740 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	163954		
61	147.5	0.0	280.4	
98	63.1	0.0	129.4	

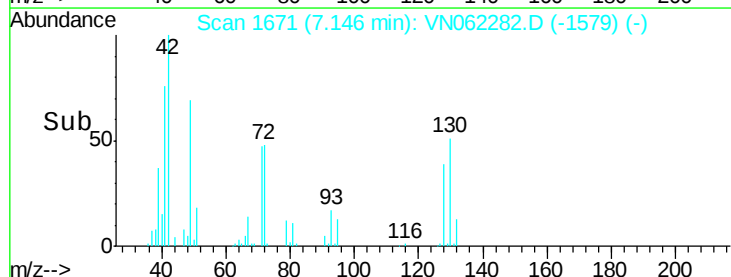
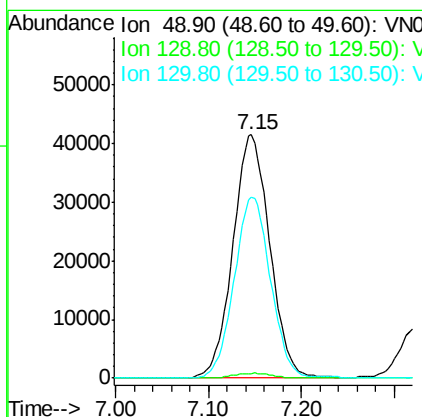
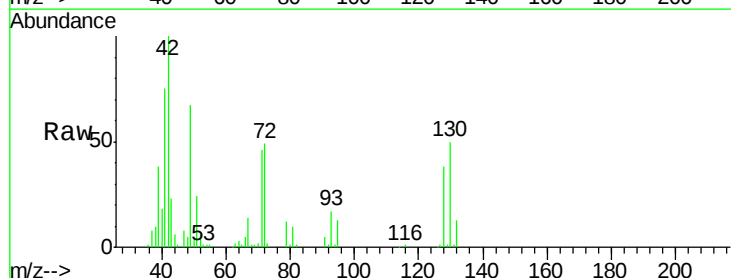
Manual Integrations
 APPROVED

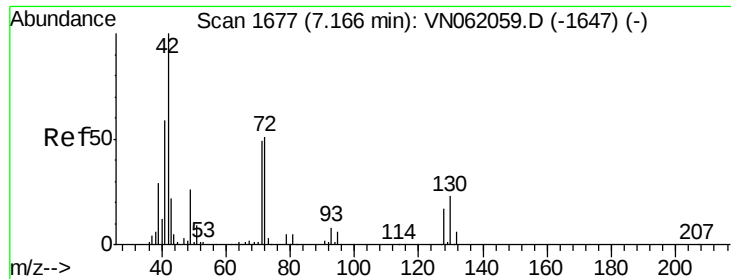
MMDadoda
 7/2/2020 12:38:40 PM



#28
 Bromochloromethane
 Concen: 51.387 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	114445		
129	1.9	0.0	4.4	
130	73.3	65.5	98.3	





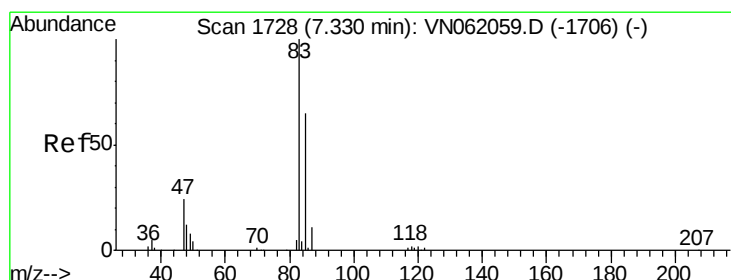
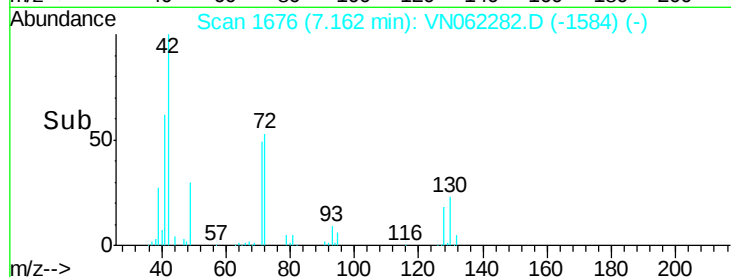
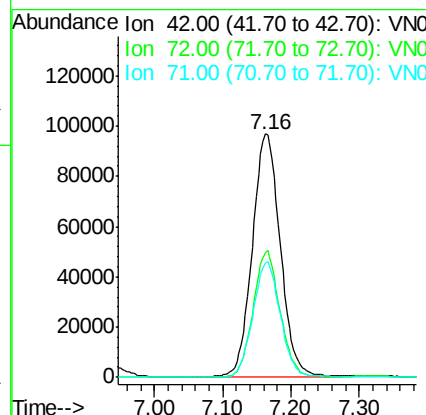
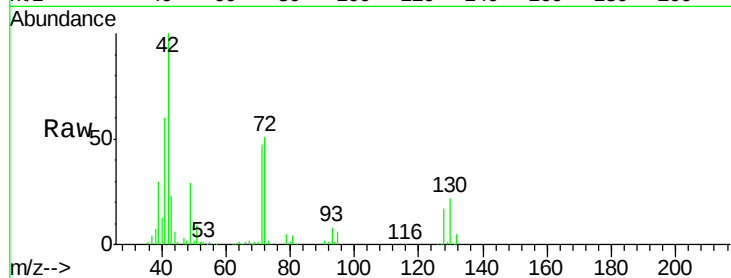
#29
Tetrahydrofuran
Concen: 276.193 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	41.1	61.7
71	46.1	38.2	57.4

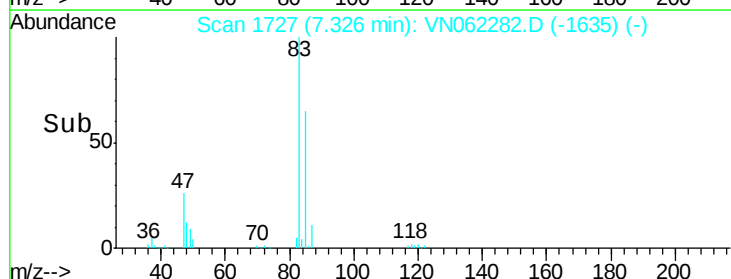
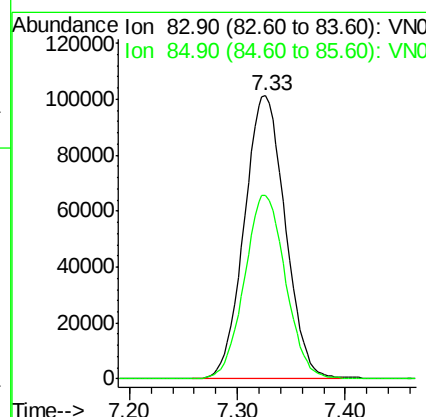
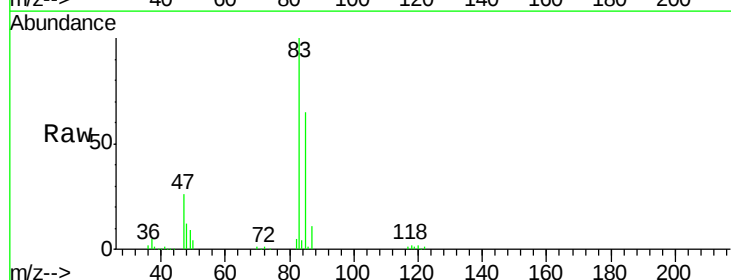
Manual Integrations
APPROVED

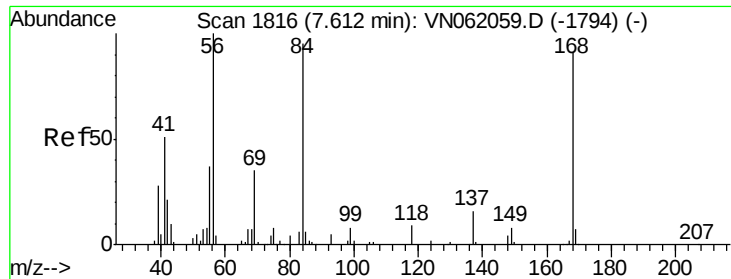
MMDadoda
7/2/2020 12:38:40 PM



#30
Chloroform
Concen: 51.285 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5





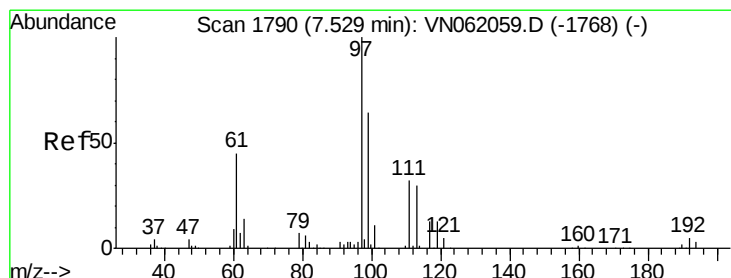
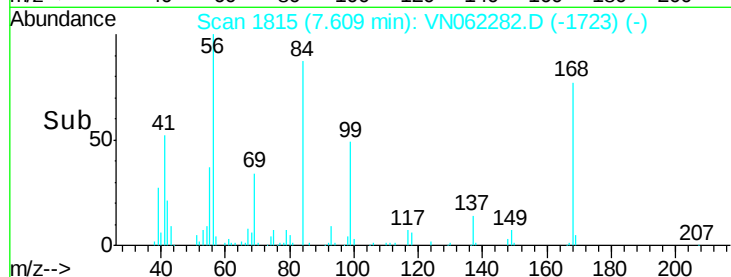
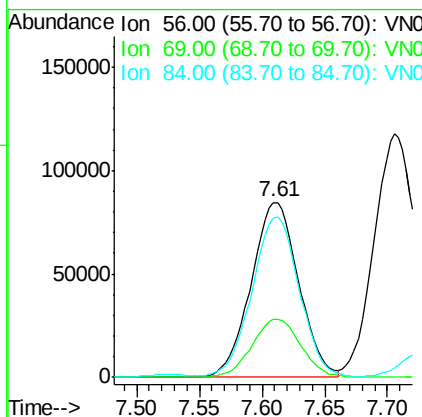
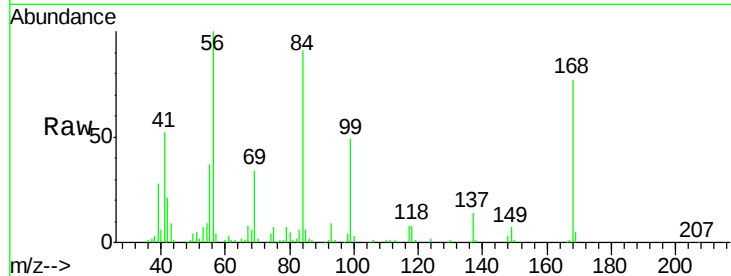
#31
Cyclohexane
Concen: 51.367 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	28.0	42.0
84	89.7	76.1	114.1

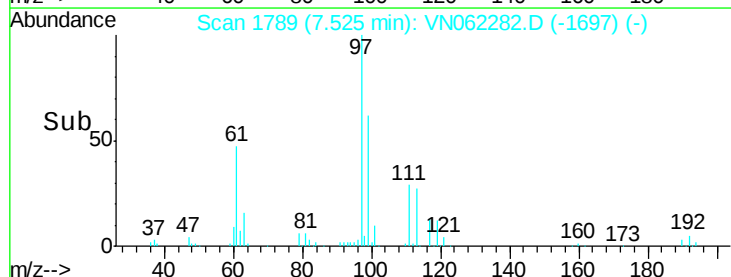
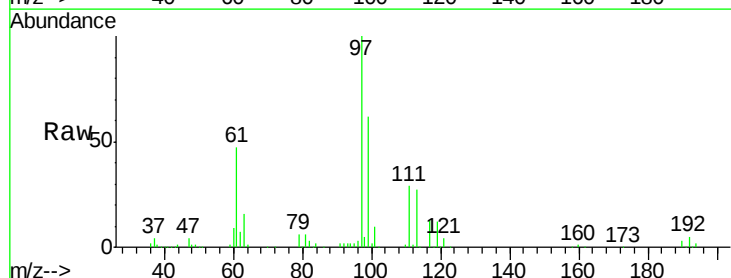
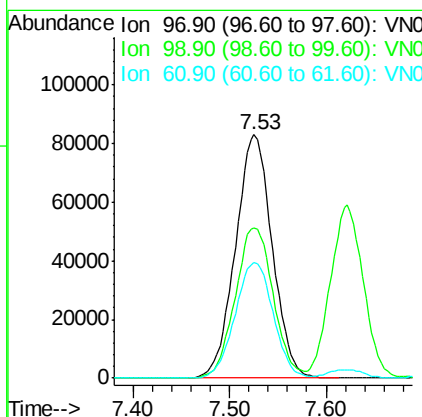
Manual Integrations
APPROVED

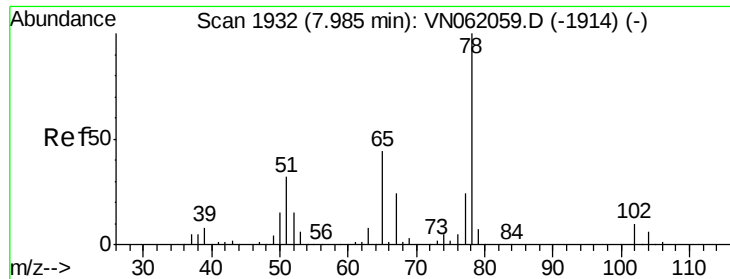
MMDadoda
7/2/2020 12:38:40 PM



#32
1,1,1-Trichloroethane
Concen: 49.814 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	49.1	36.2	54.2





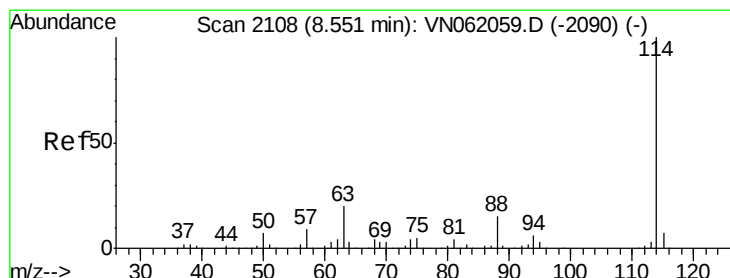
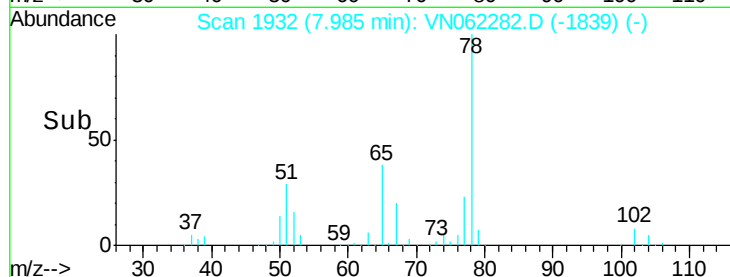
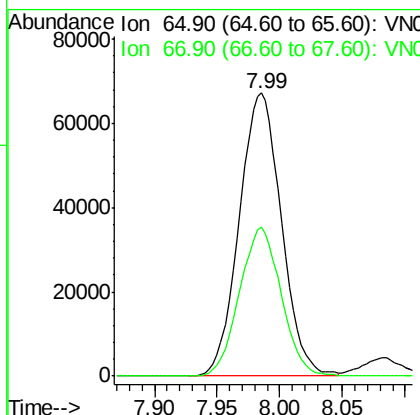
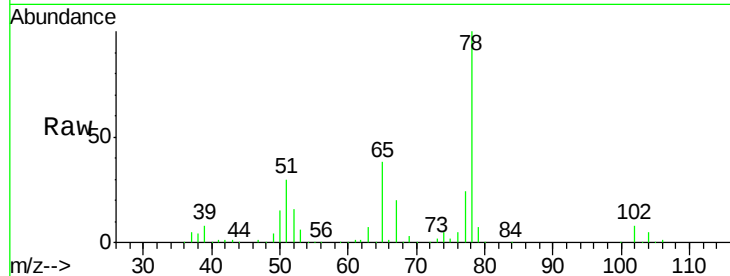
#33
 1,2-Dichloroethane-d4
 Concen: 49.930 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	106.2	

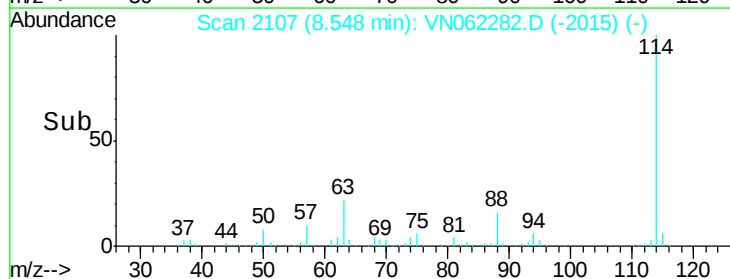
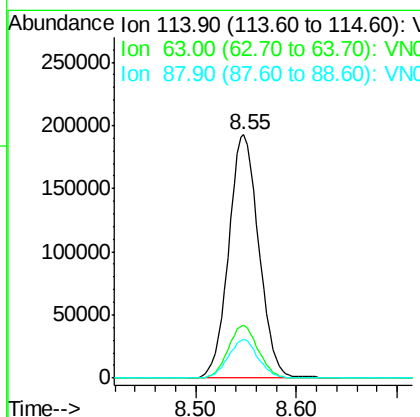
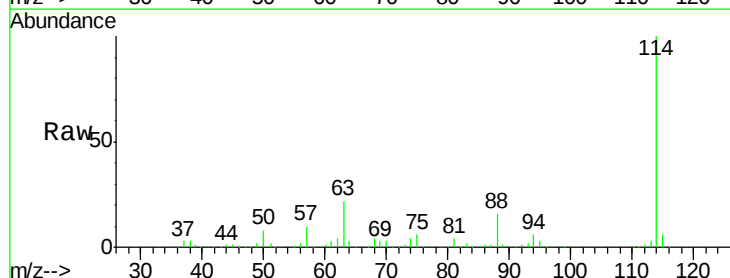
Manual Integrations
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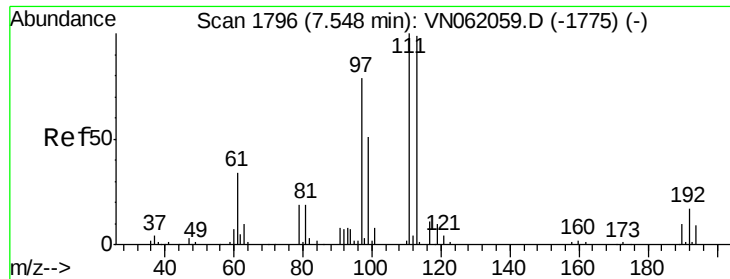
MMDadoda
 7/2/2020 12:38:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.7	0.0	39.2	
88	16.2	0.0	30.8	





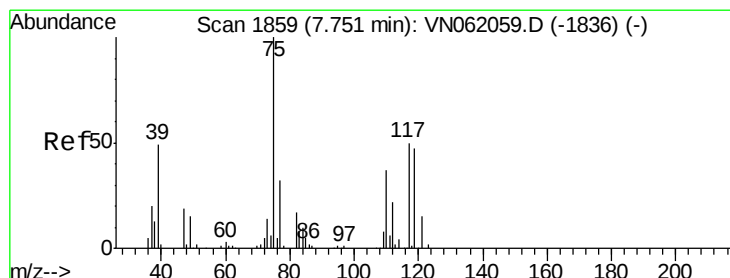
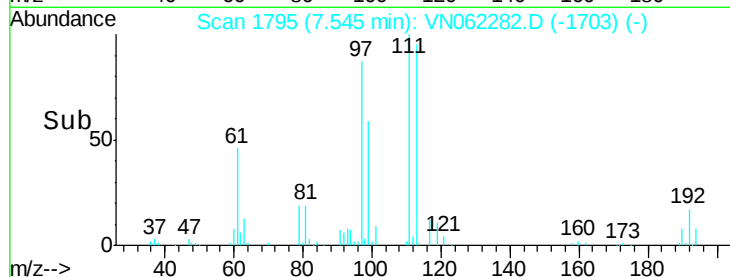
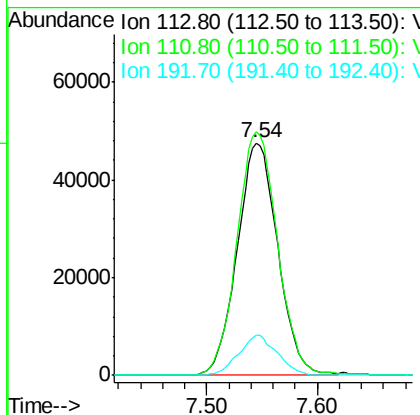
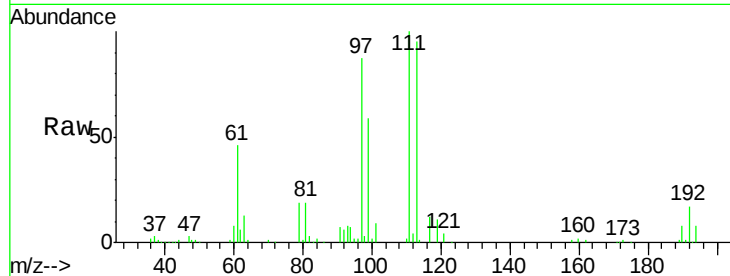
#35
 Dibromofluoromethane
 Concen: 47.081 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121132		
111	105.2	82.2	123.4	
192	16.5	14.0	21.0	

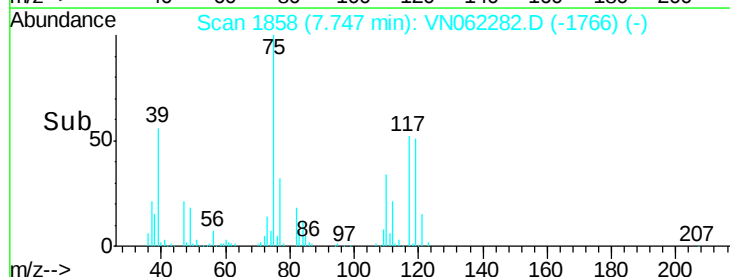
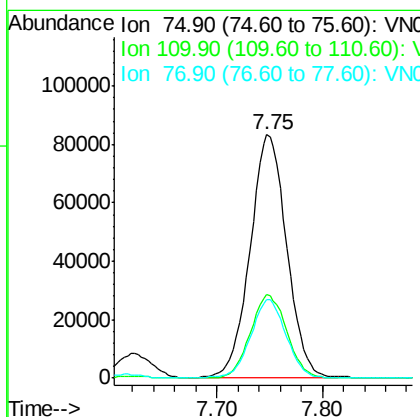
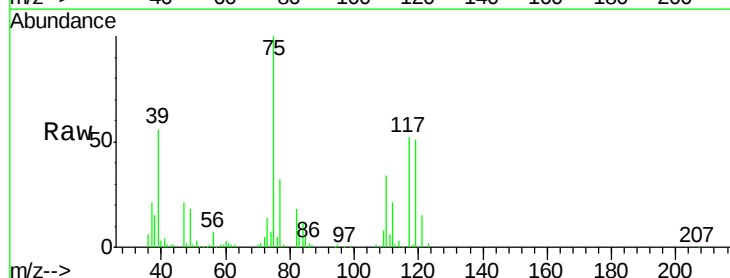
Manual Integrations
 APPROVED

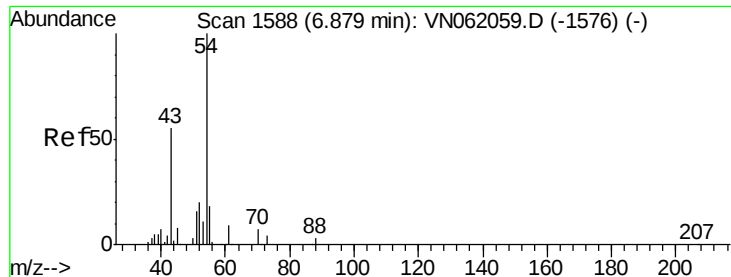
MMDadoda
 7/2/2020 12:38:40 PM



#36
 1,1-Dichloropropene
 Concen: 50.046 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	201737		
110	34.0	17.9	53.8	
77	31.4	24.9	37.3	





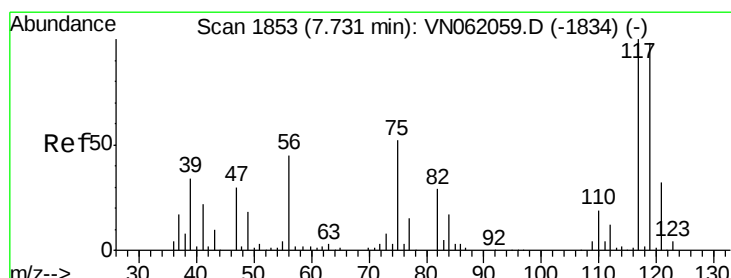
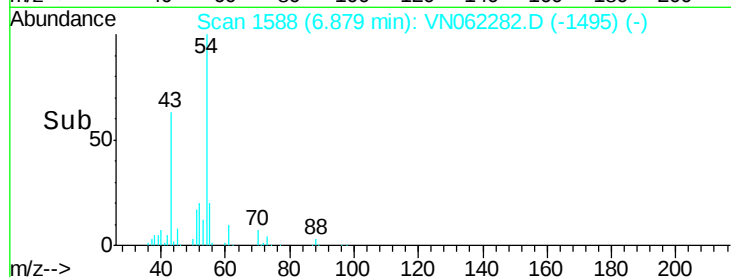
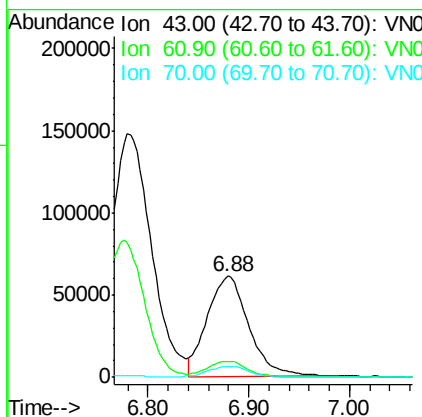
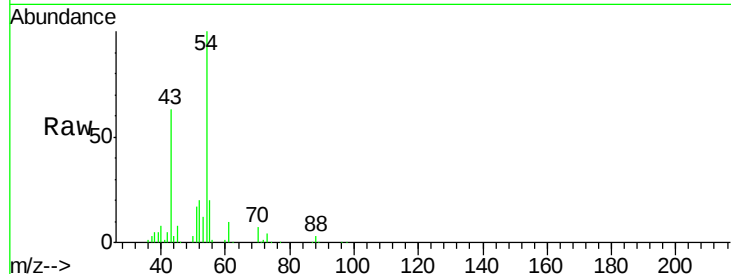
#37
Ethyl Acetate
Concen: 52.584 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	11.0	9.6	14.4

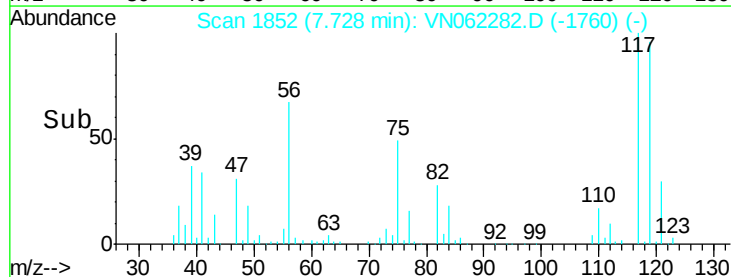
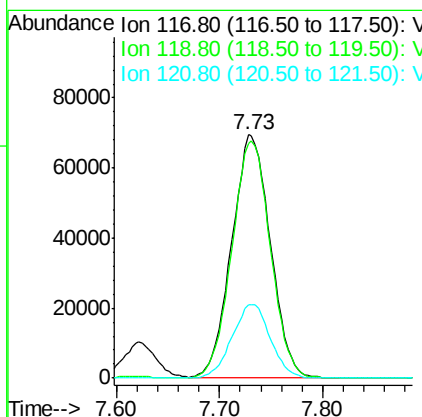
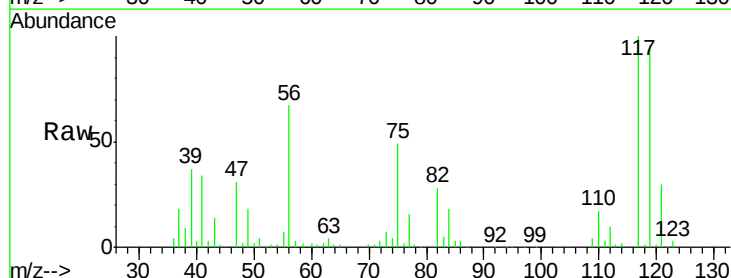
Manual Integrations
APPROVED

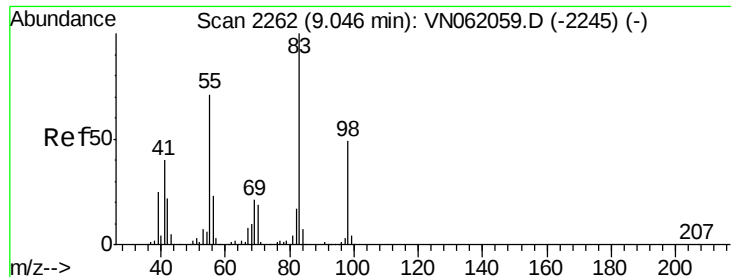
MMDadoda
7/2/2020 12:38:40 PM



#38
Carbon Tetrachloride
Concen: 47.520 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.2	117.2
121	30.1	25.8	38.6





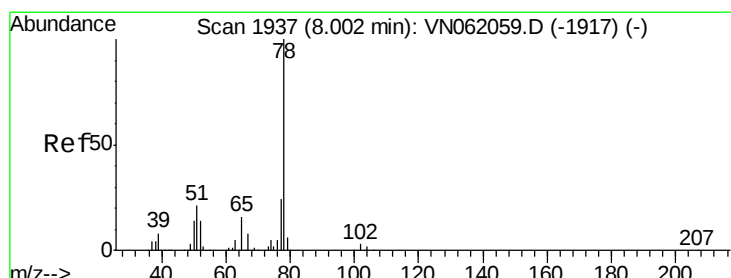
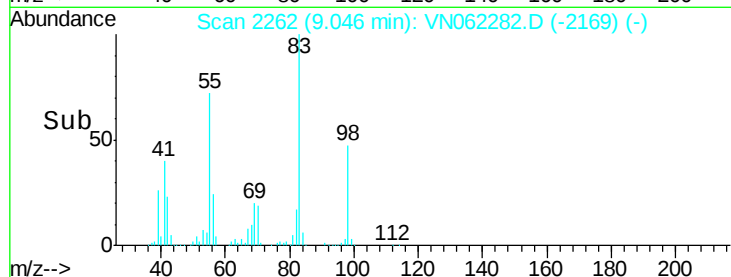
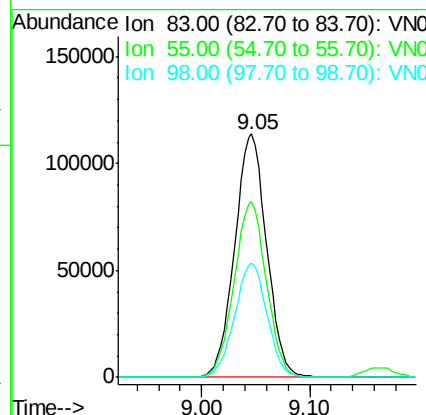
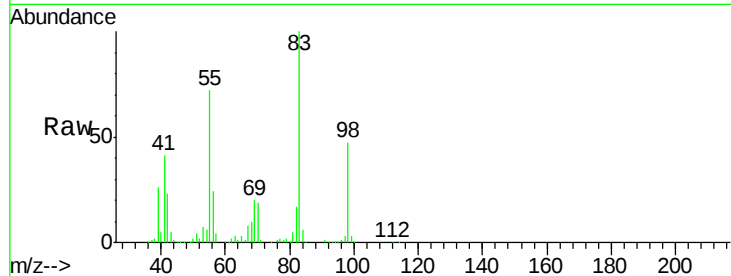
#39
Methvlcvclohexane
Concen: 53.245 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	83	Resp	235173
Ion Ratio	Lower	Upper	
83	100		
55	72.0	57.0	85.6
98	46.8	39.0	58.6

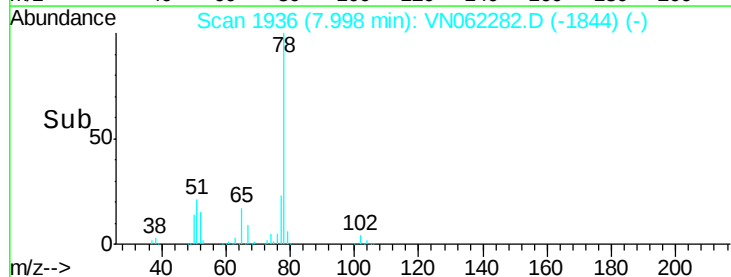
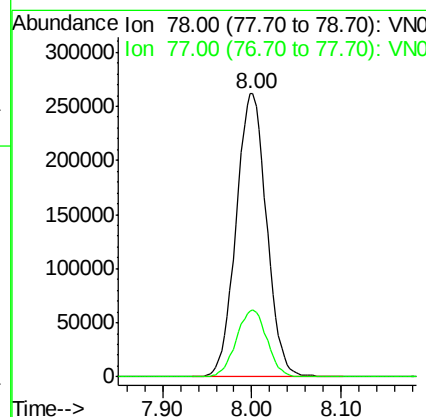
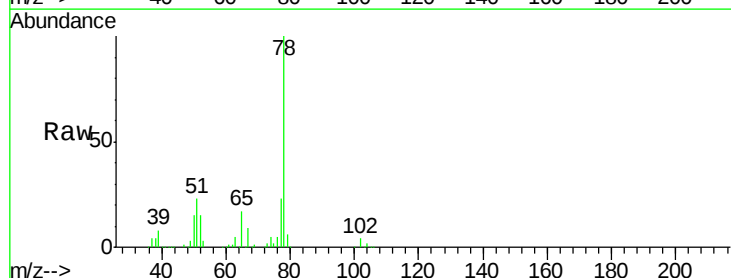
Manual Integrations
APPROVED

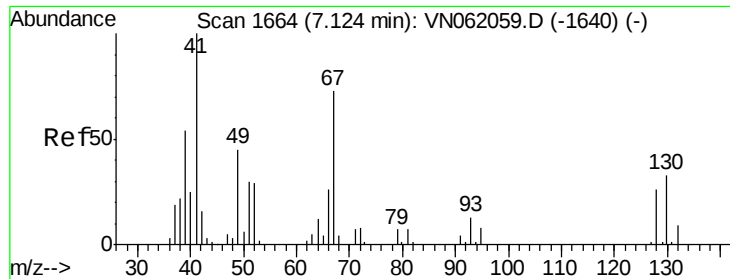
MMDadoda
7/2/2020 12:38:40 PM



#40
Benzene
Concen: 50.436 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	78	Resp	619682
Ion Ratio	Lower	Upper	
78	100		
77	23.2	19.5	29.3





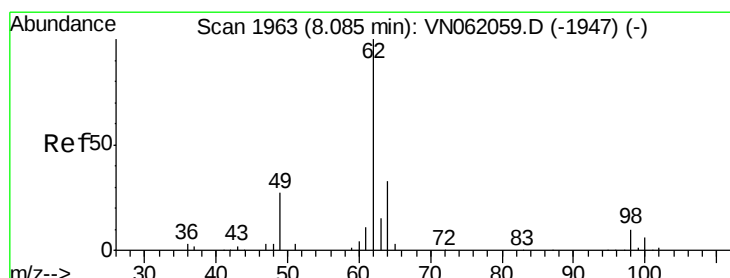
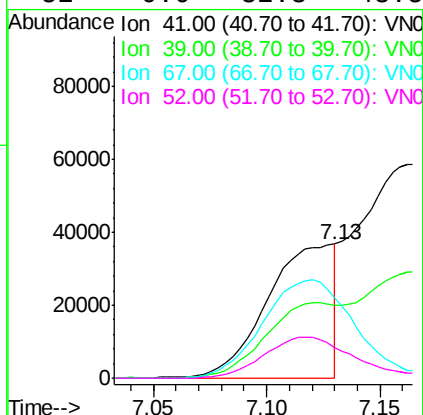
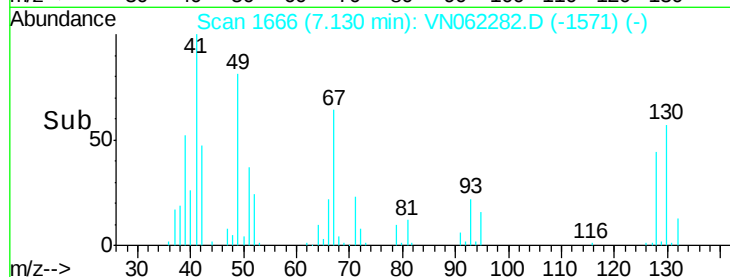
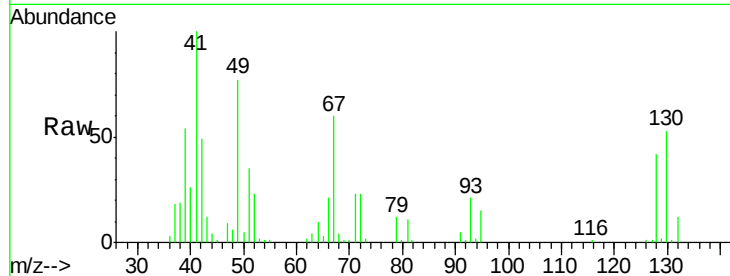
#41
Methacrylonitrile
Concen: 49.146 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.2	66.2#
67	0.0	79.5	119.3#
52	0.0	32.3	48.5#

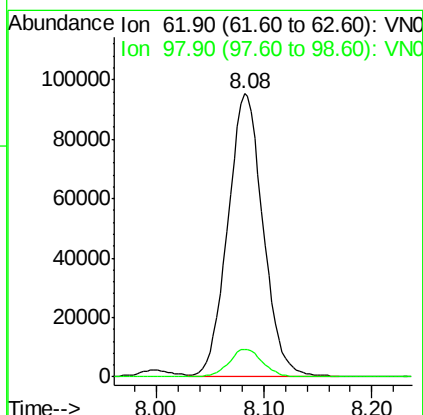
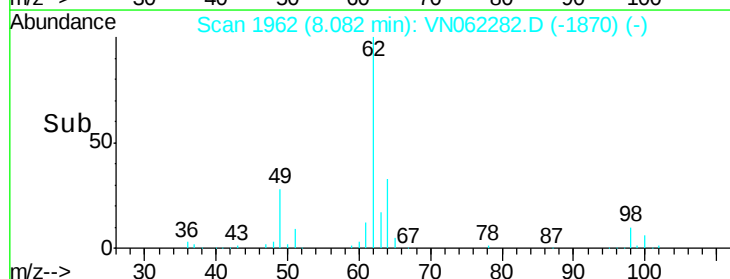
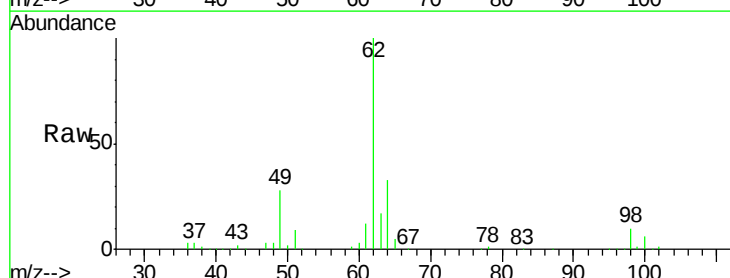
Manual Integrations
APPROVED

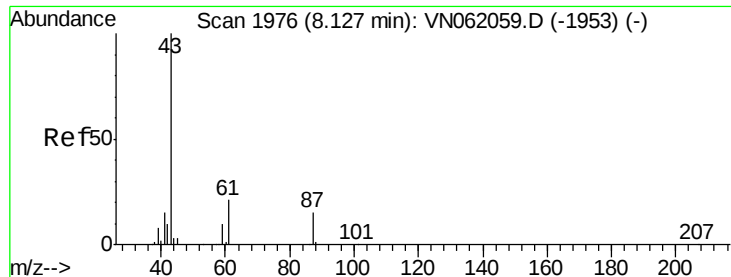
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#42
1,2-Dichloroethane
Concen: 52.101 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.8





#43

Isopropyl Acetate

Concen: 54.369 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

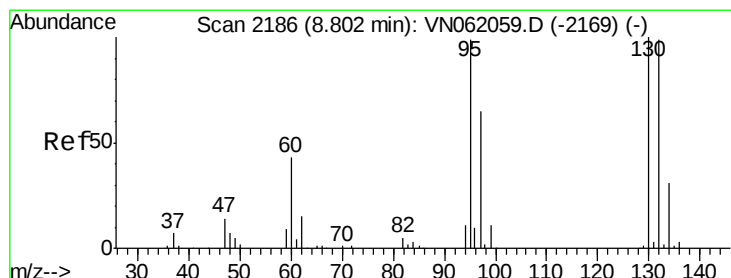
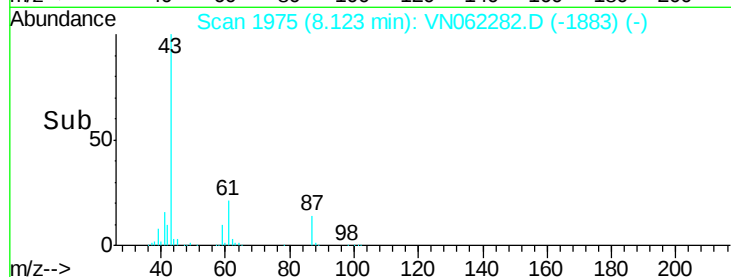
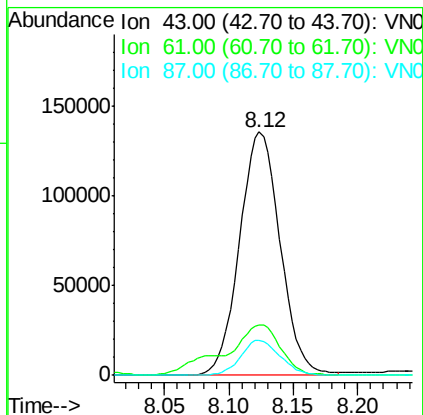
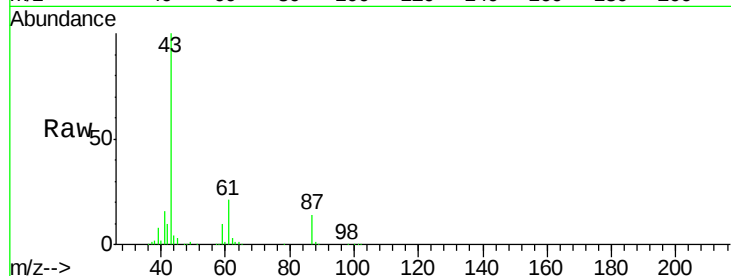
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	295843
Ion Ratio	Lower	Upper	
43	100		
61	20.9	17.2	25.8
87	14.2	12.1	18.1

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#44

Trichloroethene

Concen: 46.349 ug/l

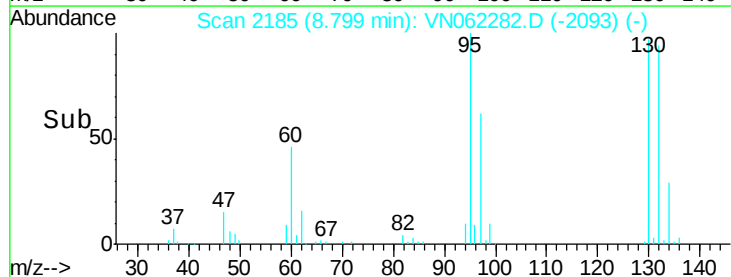
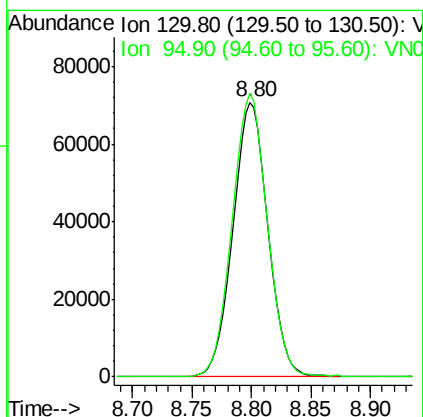
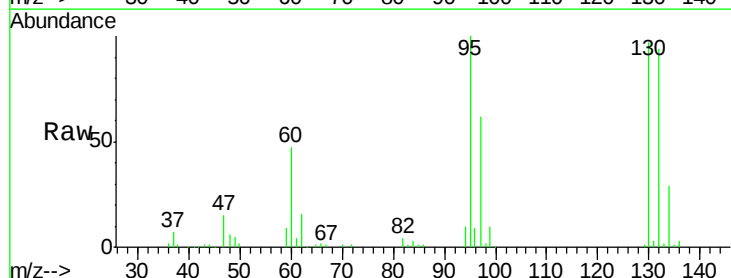
RT: 8.80 min Scan# 2185

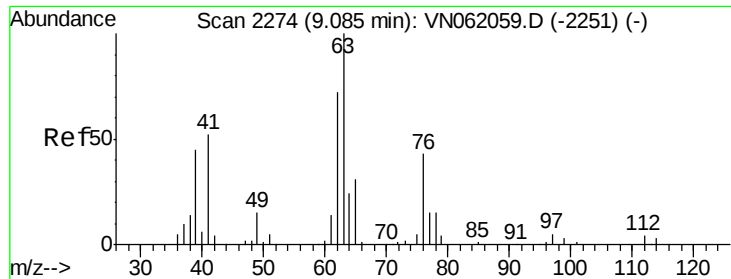
Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Tgt Ion:	130	Resp:	143649
Ion Ratio	Lower	Upper	
130	100		
95	103.0	0.0	197.8





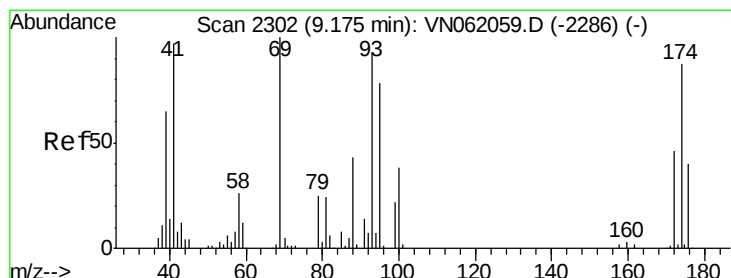
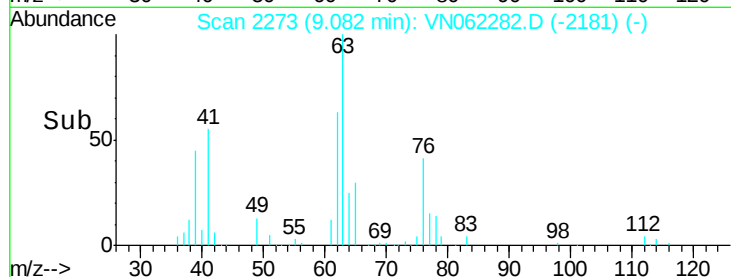
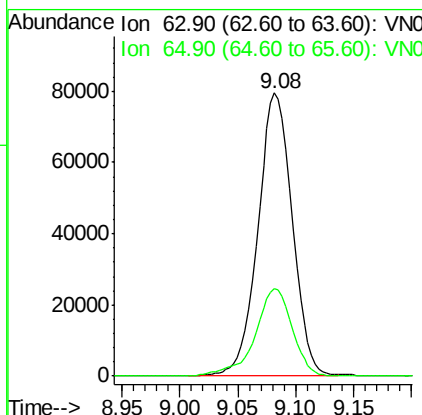
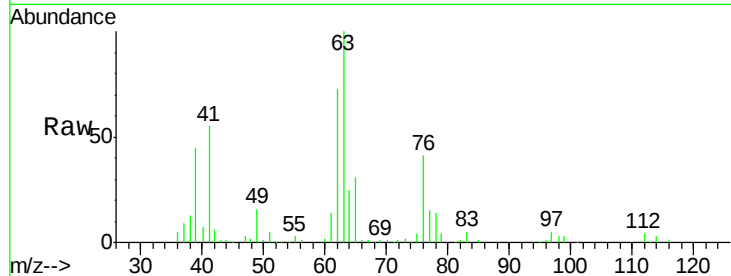
#45
 1,2-Dichloropropane
 Concen: 54.131 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 164080
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

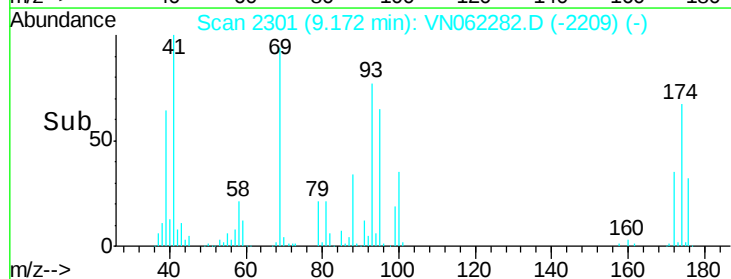
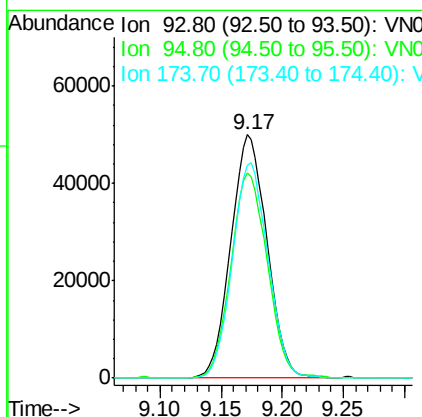
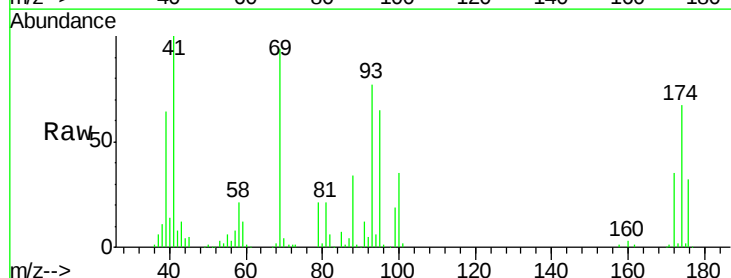
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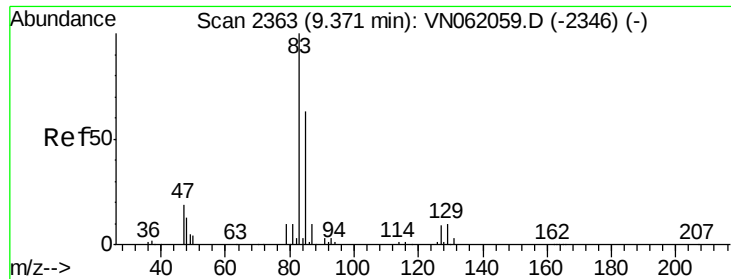
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#46
 Dibromomethane
 Concen: 50.150 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion: 93 Resp: 103065
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.0 100.6
 174 87.1 74.4 111.6





#47

Bromodichloromethane

Concen: 52.073 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

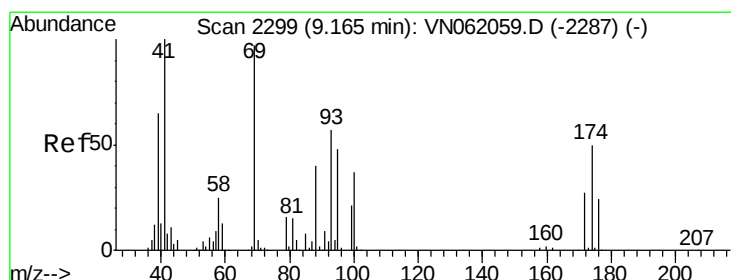
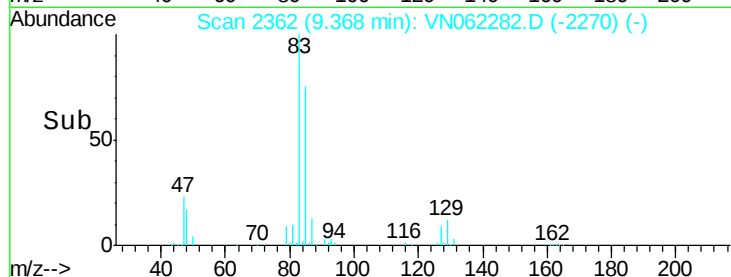
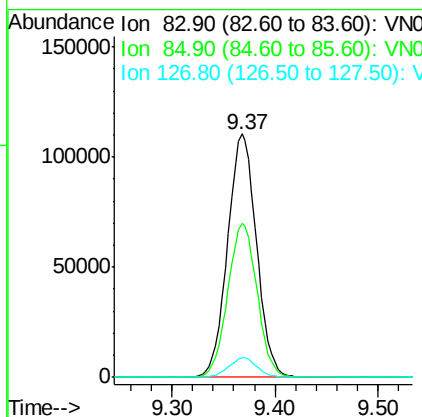
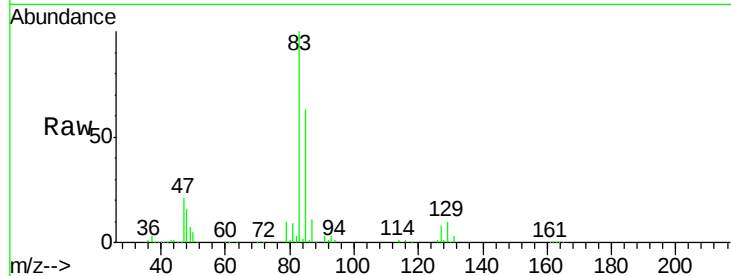
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	216082
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.3	75.5
127	8.0	6.9	10.3

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#48

Methyl methacrylate

Concen: 56.942 ug/l

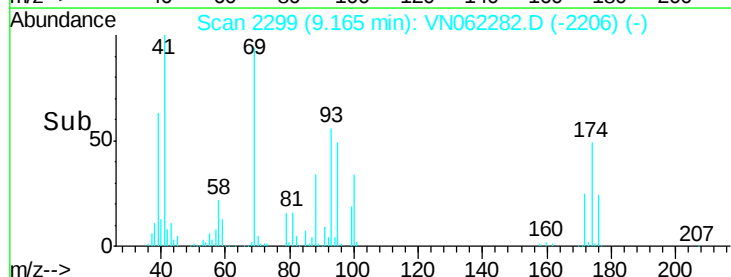
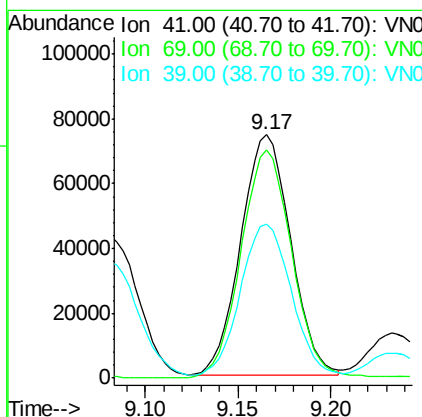
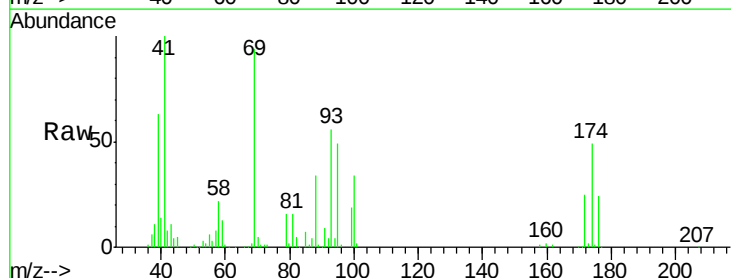
RT: 9.17 min Scan# 2299

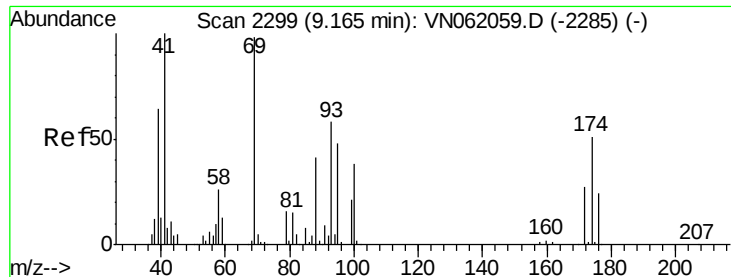
Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Tgt Ion:	41	Resp:	138926
Ion Ratio	Lower	Upper	
41	100		
69	97.0	80.7	121.1
39	66.0	54.5	81.7





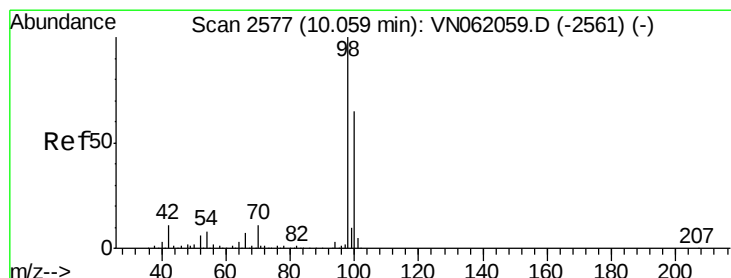
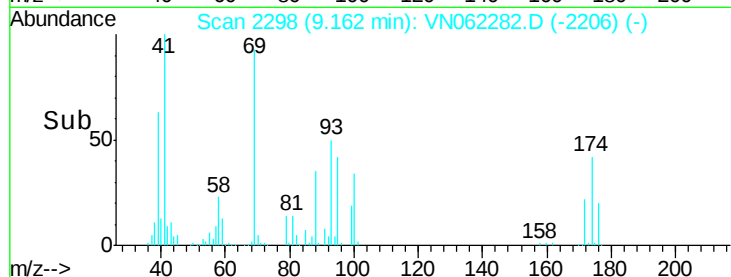
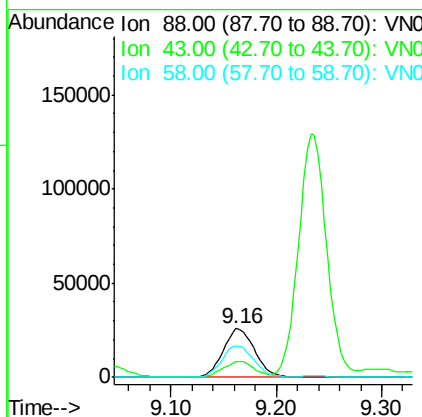
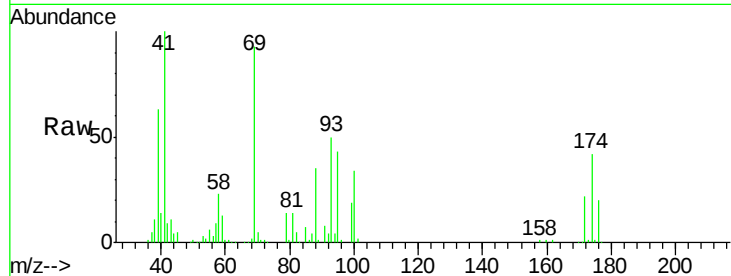
#49
 1,4-Dioxane
 Concen: 1000.300 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	88	Resp	54121
Ion	Ratio	Lower	Upper
88	100		
43	30.5	22.0	33.0
58	65.0	49.2	73.8

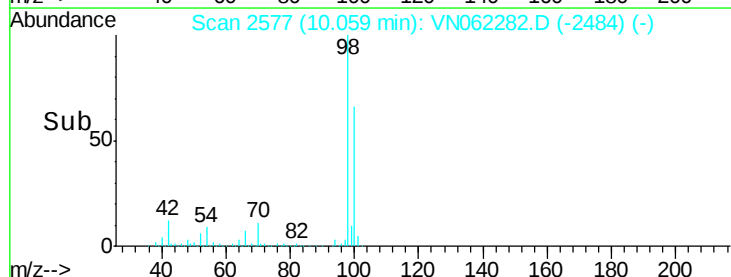
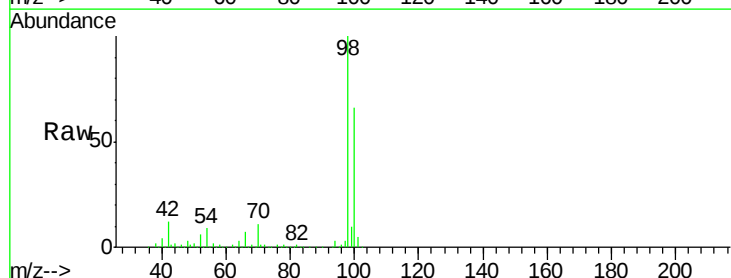
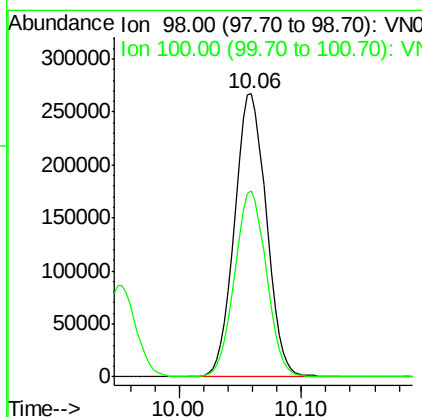
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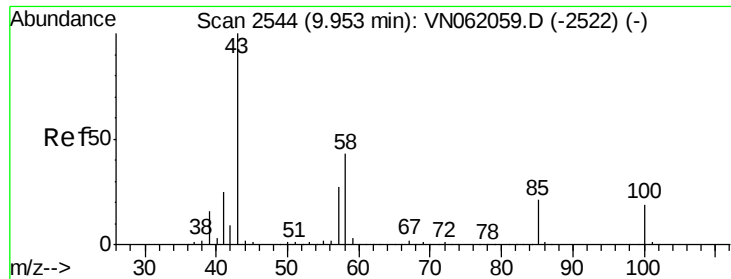
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#50
 Toluene-d8
 Concen: 47.094 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion	98	Resp	484340
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 283.698 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 901924

Ion Ratio Lower Upper

43 100

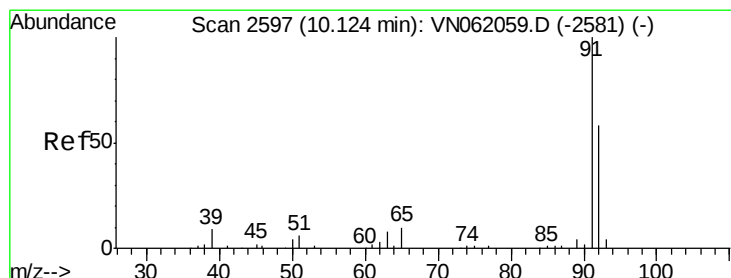
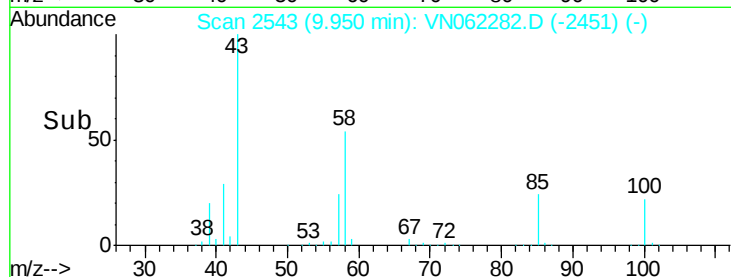
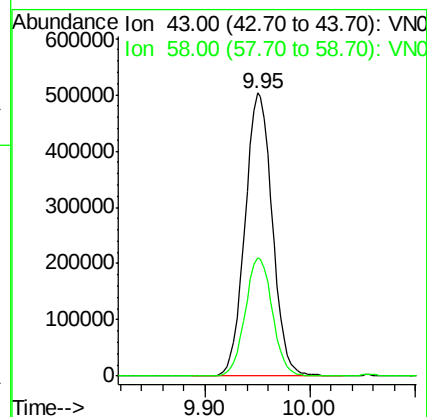
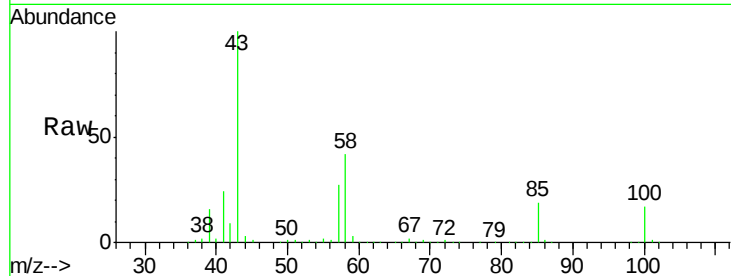
58 41.7 34.2 51.2

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#52

Toluene

Concen: 51.948 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062282.D

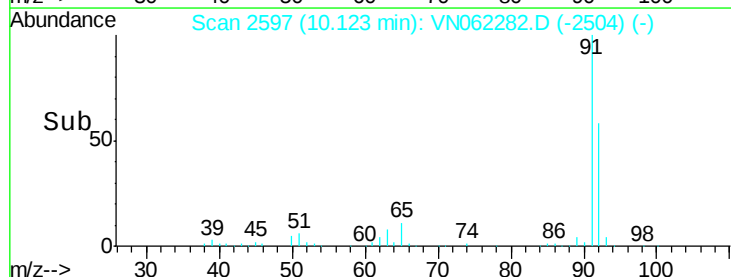
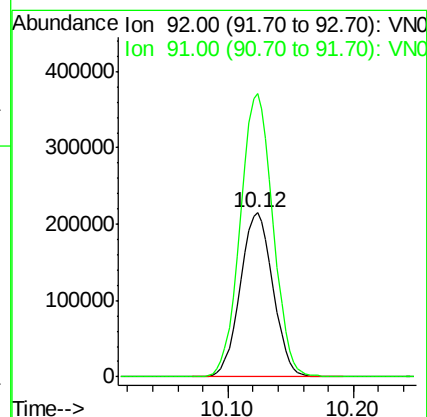
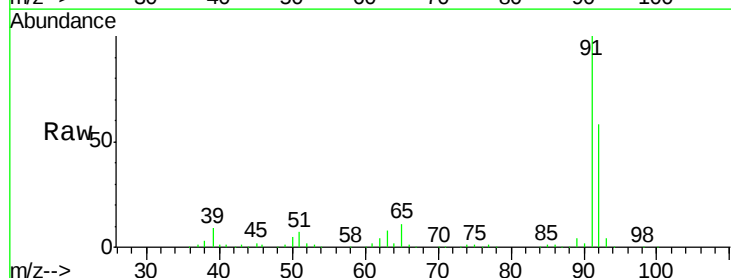
Acq: 1 Jul 2020 10:47

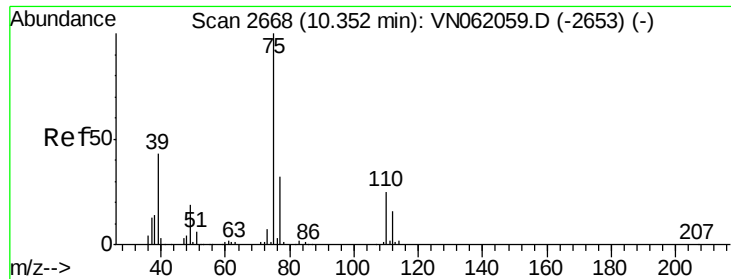
Tgt Ion: 92 Resp: 389438

Ion Ratio Lower Upper

92 100

91 172.5 137.4 206.0





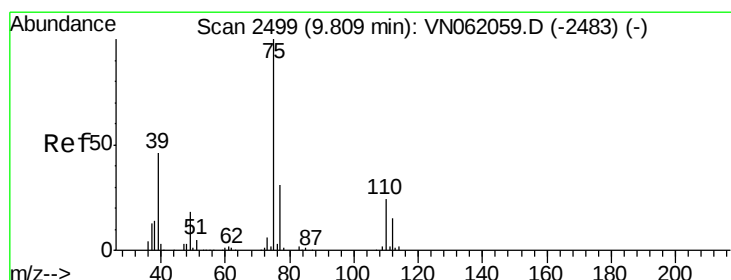
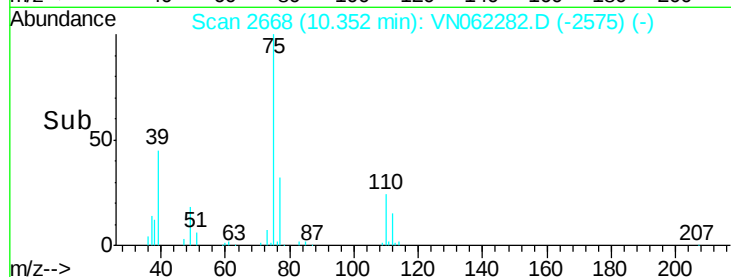
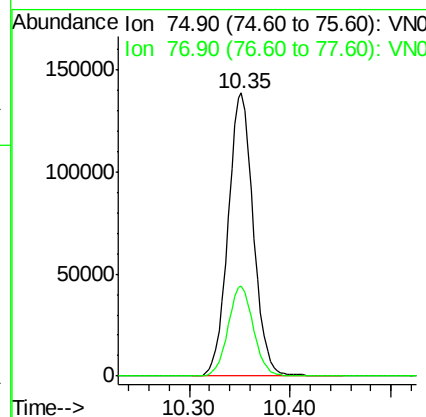
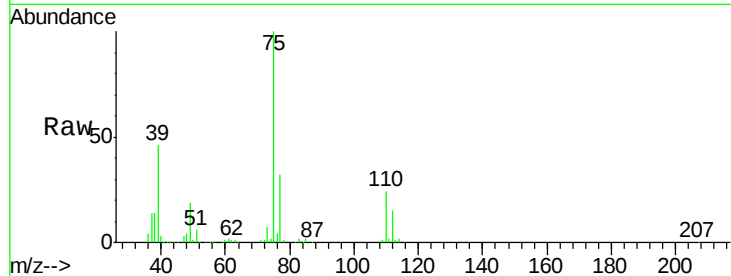
#53
t-1,3-Dichloropropene
Concen: 53.015 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 242030
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3

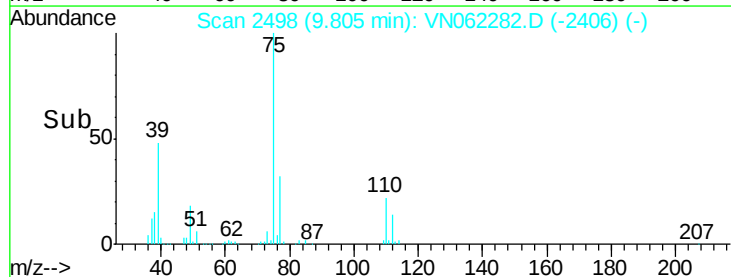
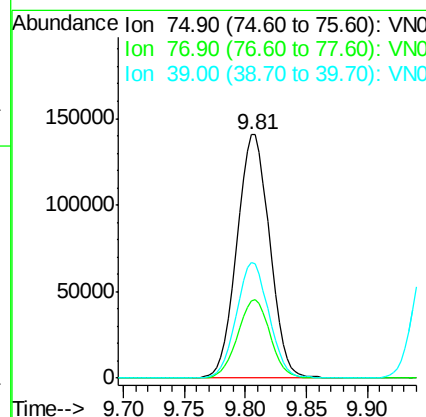
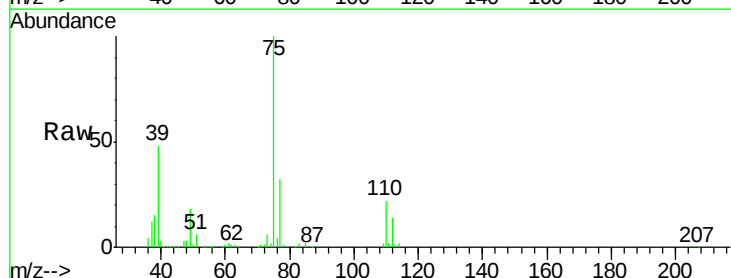
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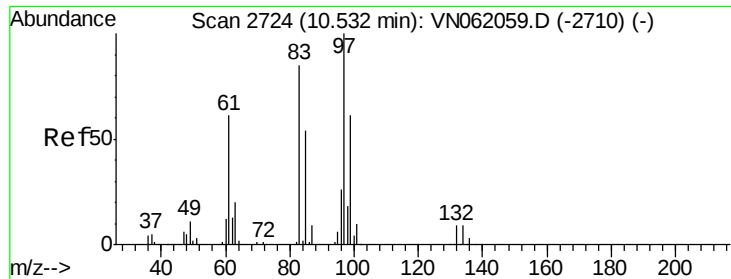
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#54
cis-1,3-Dichloropropene
Concen: 53.950 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion: 75 Resp: 262219
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6
39 47.5 36.9 55.3





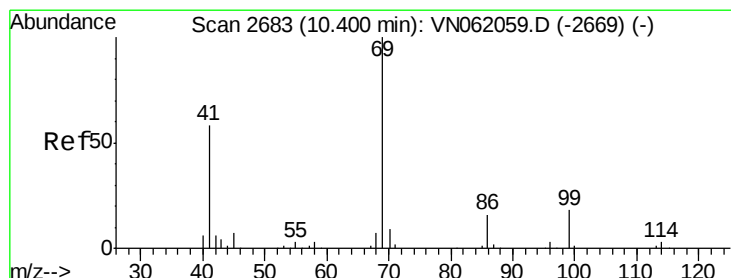
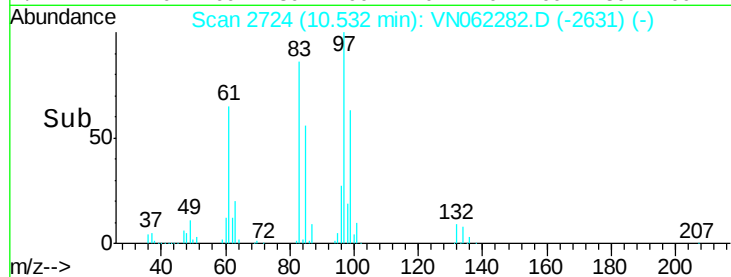
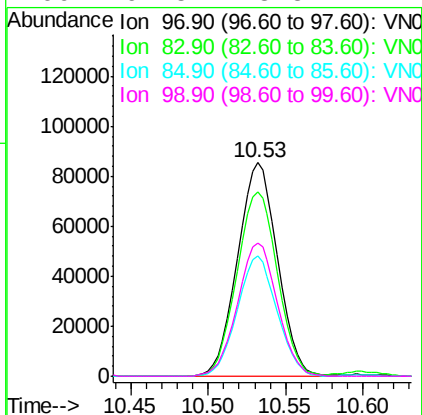
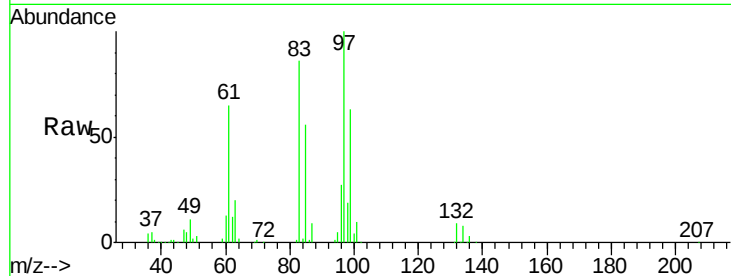
#55
 1,1,2-Trichloroethane
 Concen: 52.187 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	153787
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.2	102.2
85	56.1	43.2	64.8
99	62.5	48.5	72.7

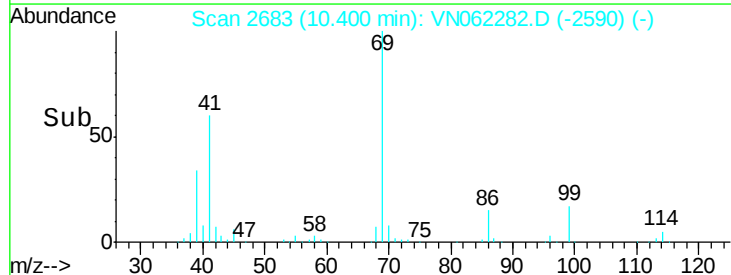
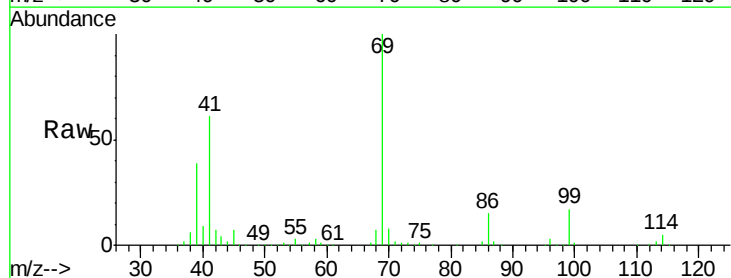
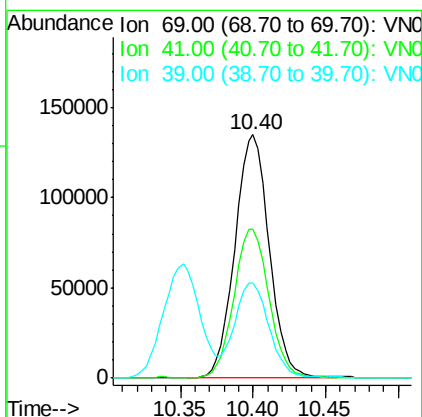
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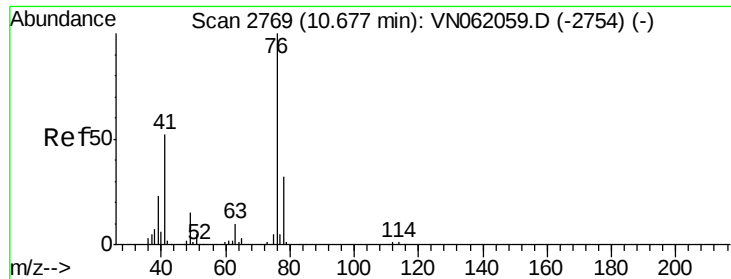
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#56
 Ethyl methacrylate
 Concen: 56.643 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion:	69	Resp:	222760
Ion	Ratio	Lower	Upper
69	100		
41	61.8	46.6	70.0
39	39.4	31.0	46.4





#57

1,3-Dichloropropane

Concen: 53.049 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 269078

Ion Ratio Lower Upper

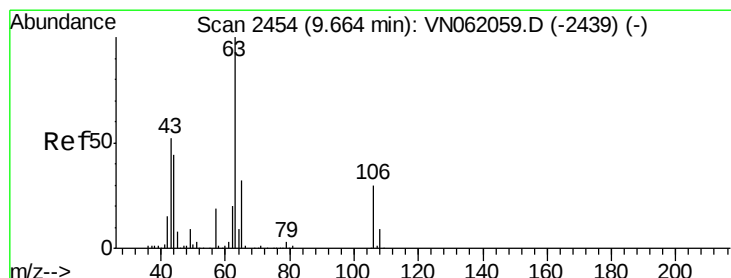
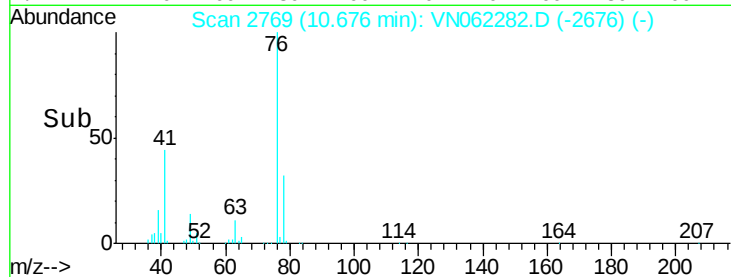
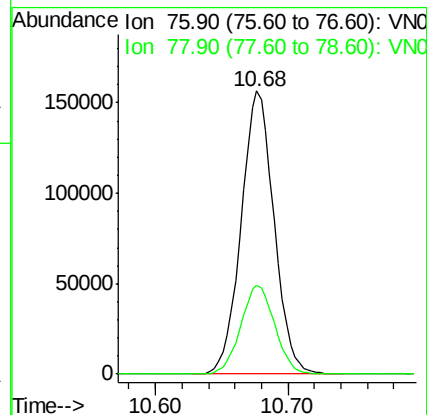
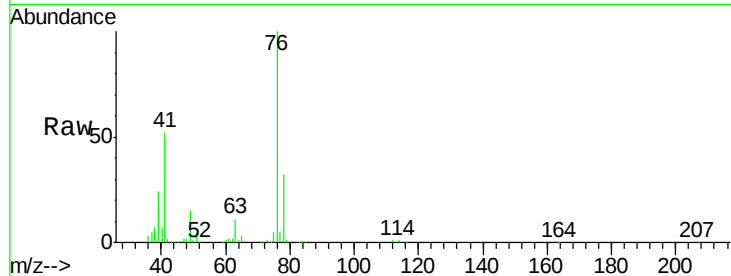
76 100

78 32.6 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 259.020 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN062282.D

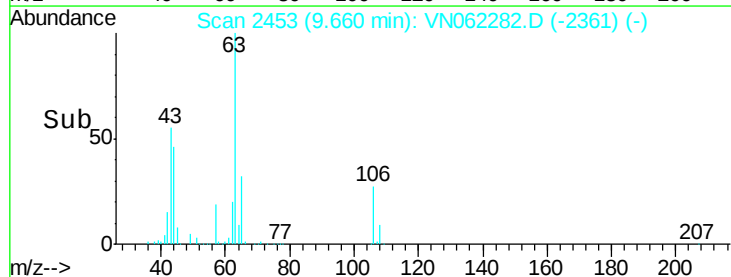
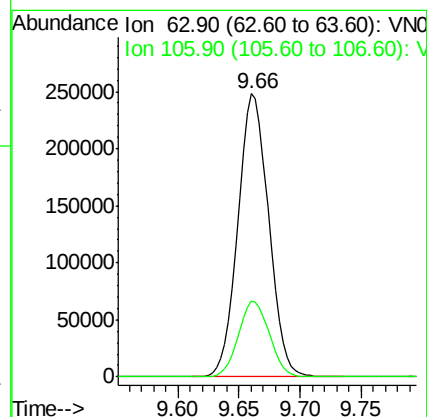
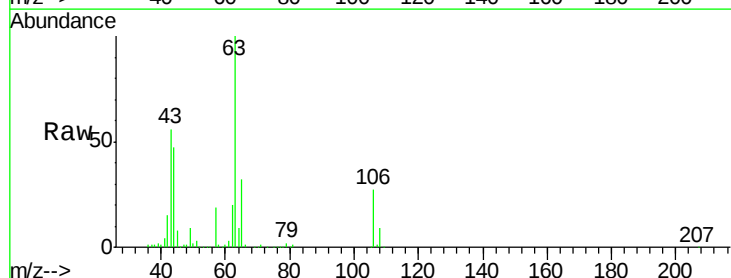
Acq: 1 Jul 2020 10:47

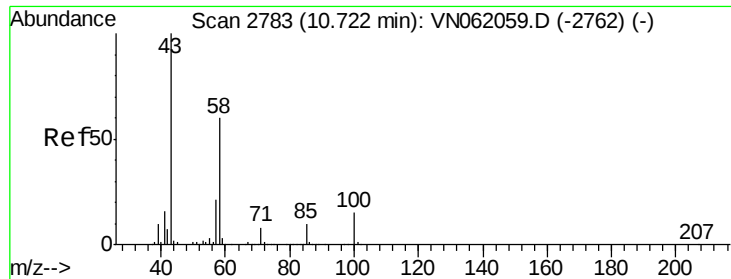
Tgt Ion: 63 Resp: 434735

Ion Ratio Lower Upper

63 100

106 26.9 23.2 34.8





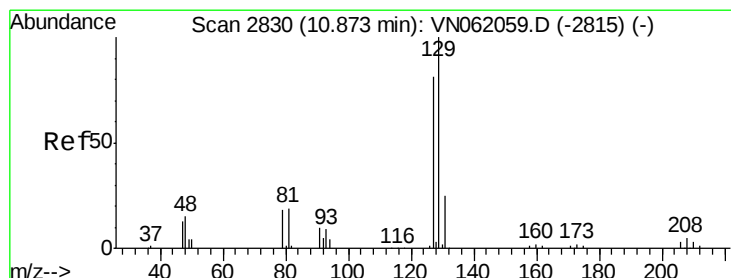
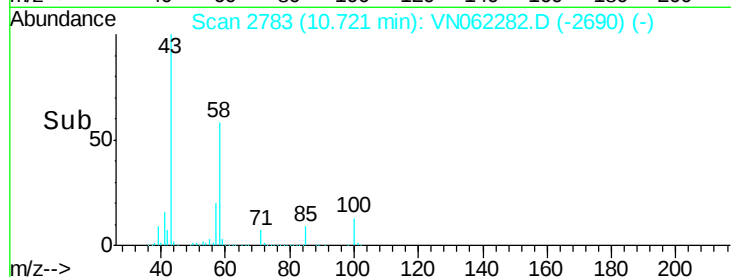
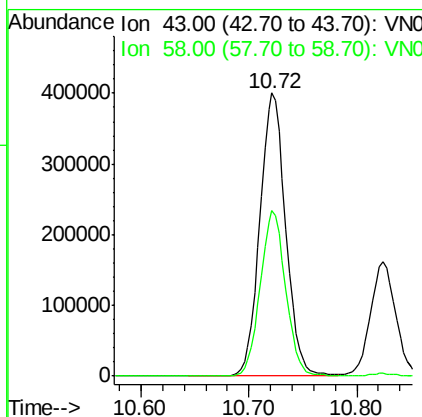
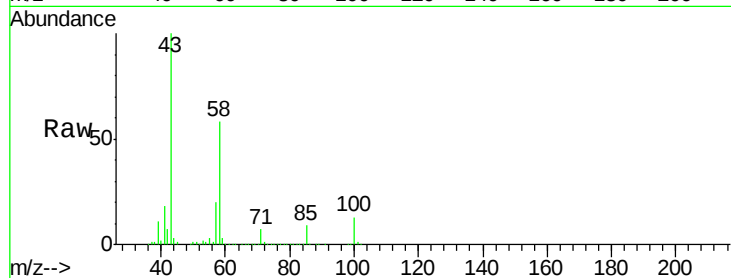
#59
2-Hexanone
Concen: 288.602 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 662534
Ion Ratio Lower Upper
43 100
58 57.9 29.5 88.5

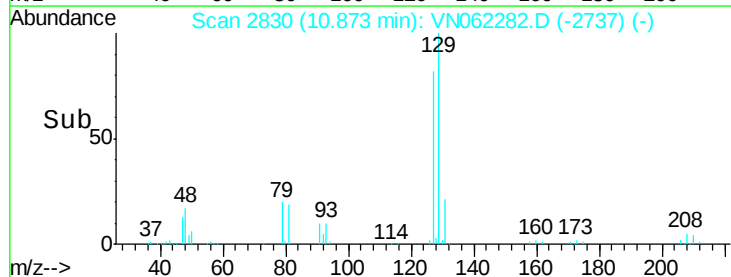
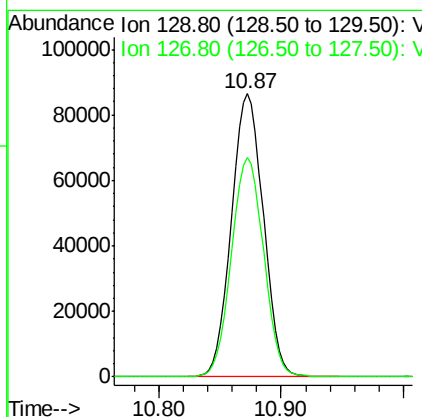
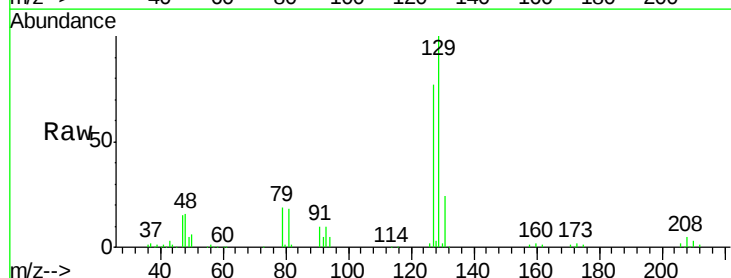
Manual Integrations
APPROVED

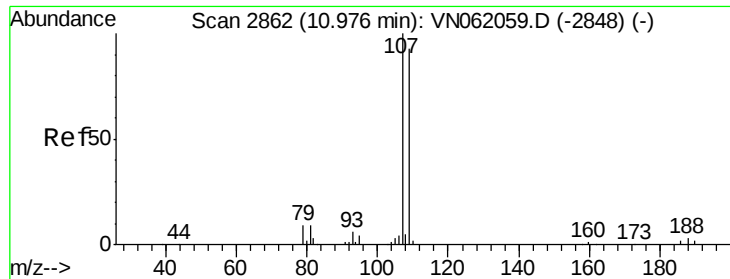
MMDadoda
7/2/2020 12:38:40 PM



#60
Dibromochloromethane
Concen: 50.486 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion: 129 Resp: 157510
Ion Ratio Lower Upper
129 100
127 78.0 39.5 118.5





#61

1,2-Dibromoethane

Concen: 49.724 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 150561

Ion Ratio Lower Upper

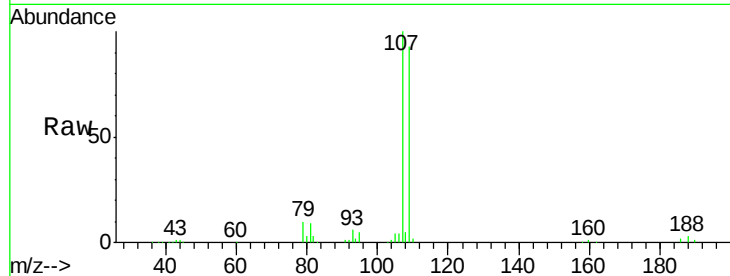
107 100

109 93.4 75.0 112.6

Manual Integrations
APPROVED

MMDadoda

7/2/2020 12:38:40 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

80000

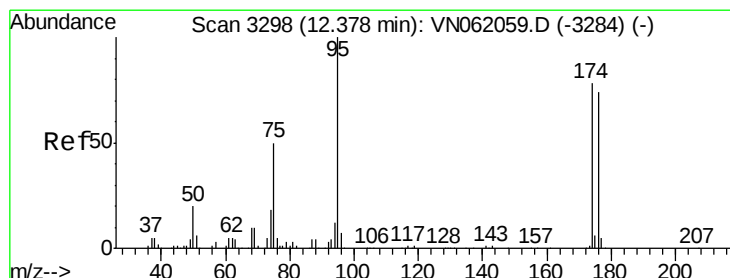
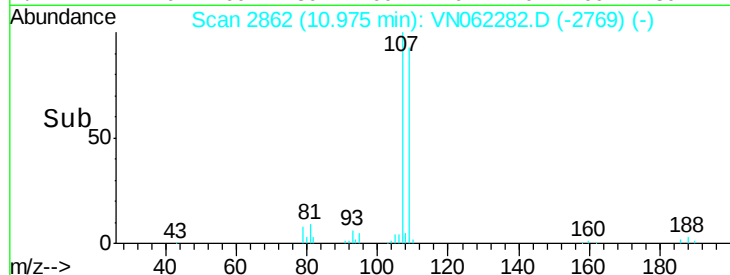
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.502 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

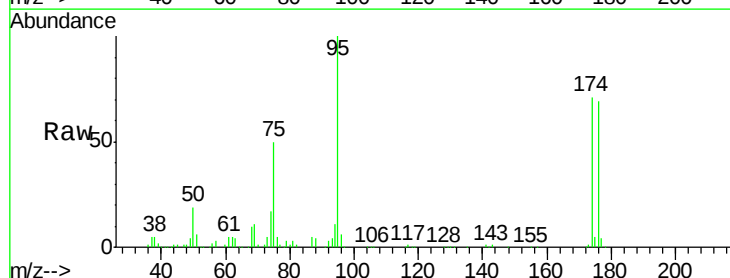
Tgt Ion: 95 Resp: 172006

Ion Ratio Lower Upper

95 100

174 71.0 0.0 154.8

176 68.0 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

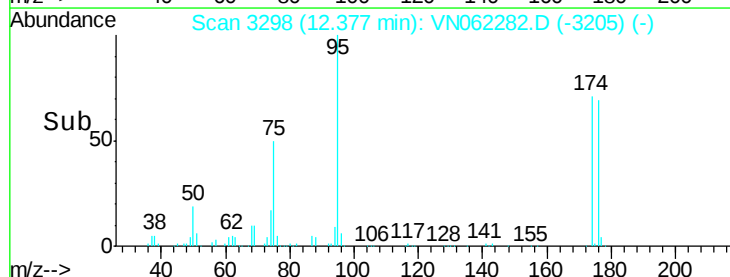
12.38

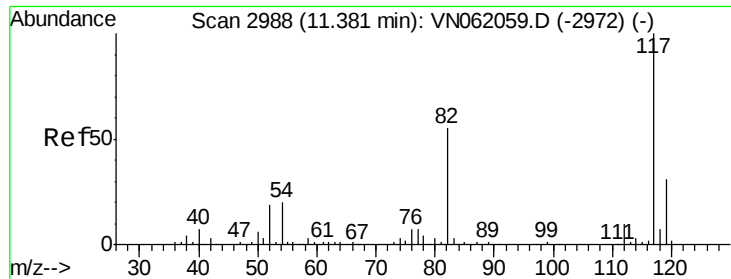
100000

50000

0

Time-->





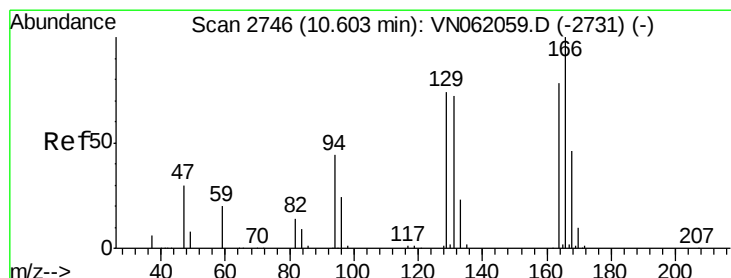
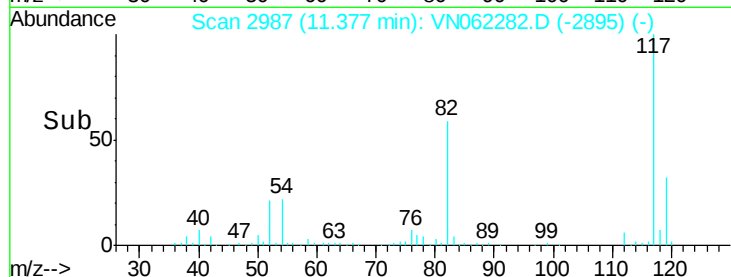
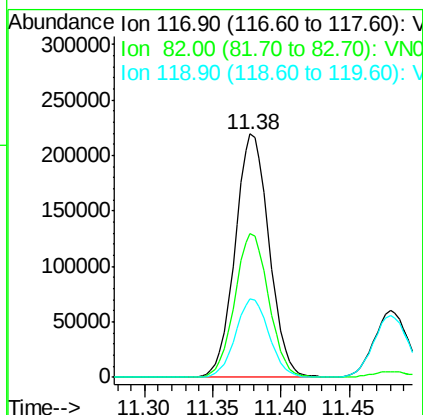
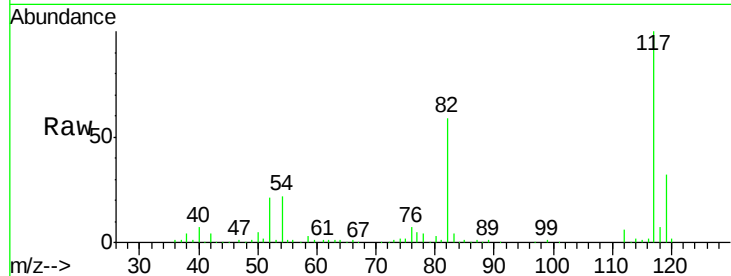
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	43.8	65.8
119	32.2	25.2	37.8

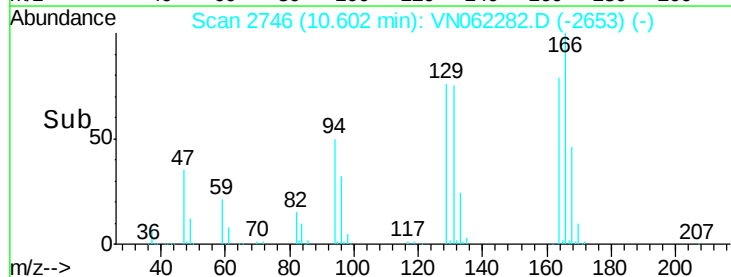
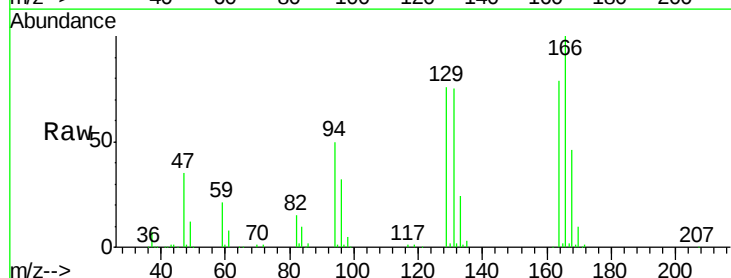
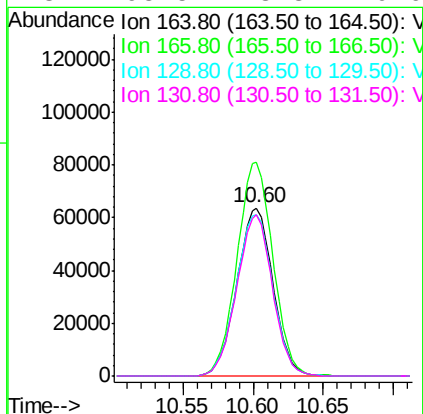
Manual Integrations
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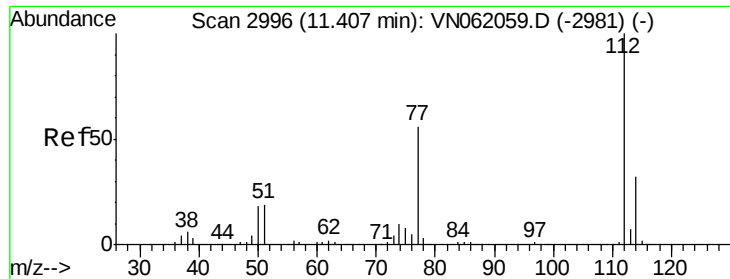
MMDadoda
7/2/2020 12:38:40 PM



#64
Tetrachloroethene
Concen: 44.021 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.9	154.3
129	95.9	75.8	113.8
131	95.5	73.8	110.6





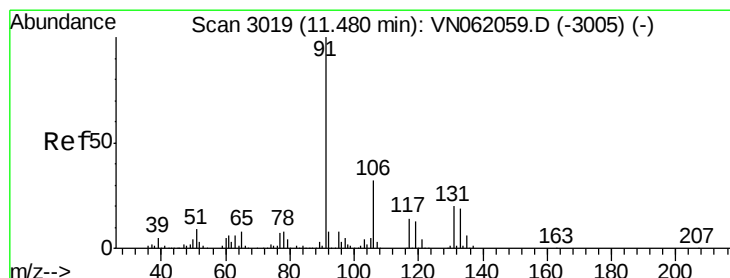
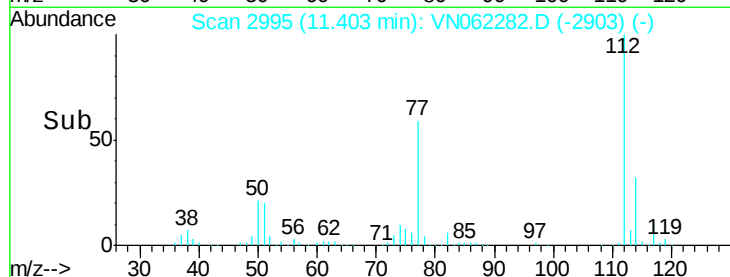
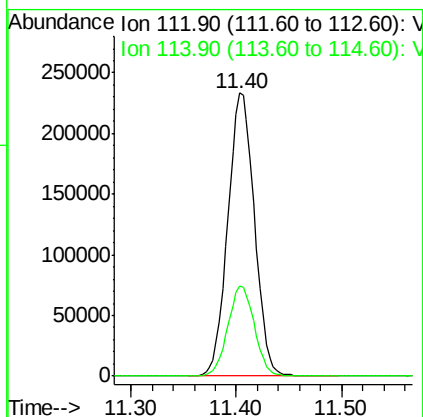
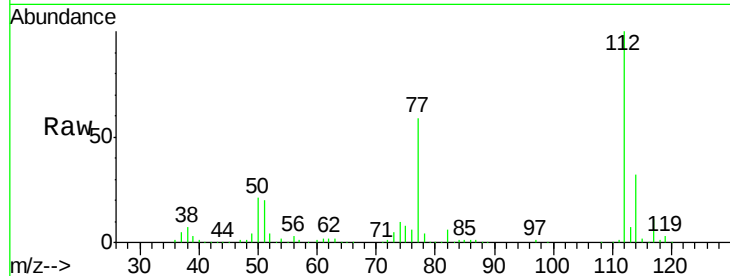
#65
Chlorobenzene
Concen: 48.862 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 406958
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

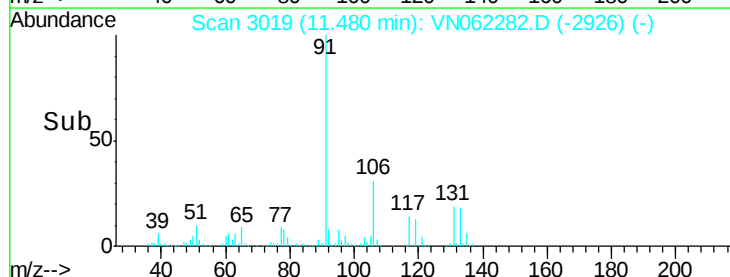
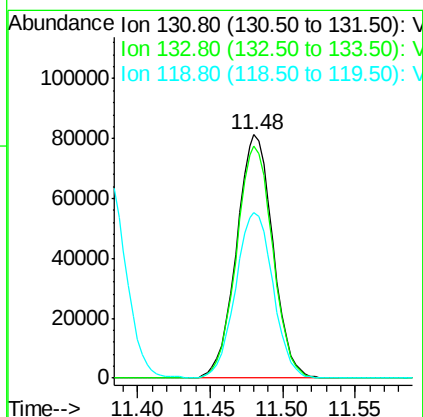
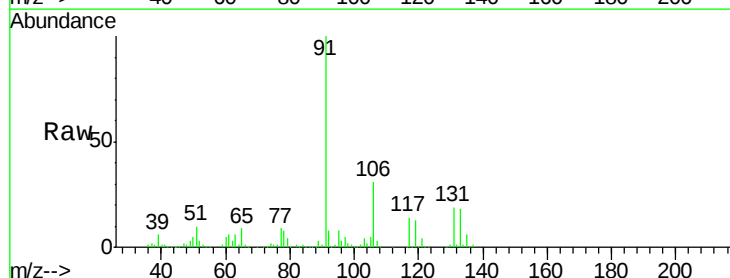
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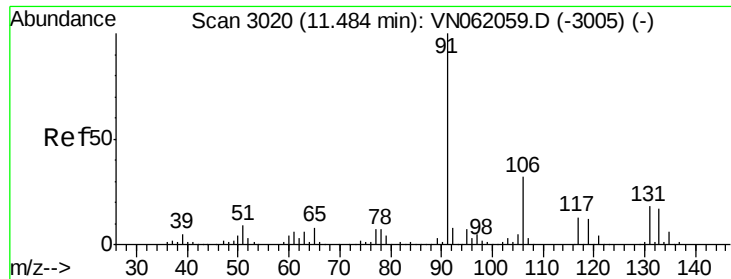
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.141 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion:131 Resp: 141526
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 70.0 34.4 103.3





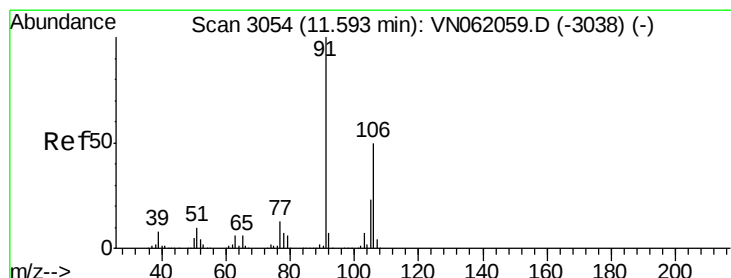
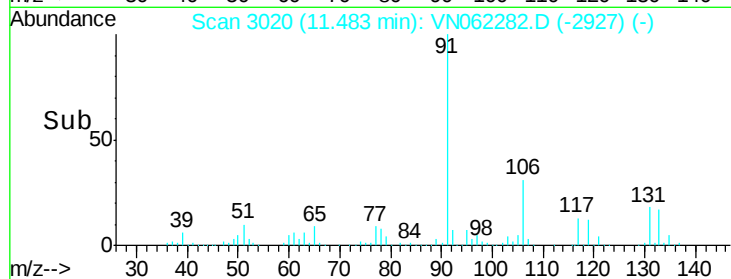
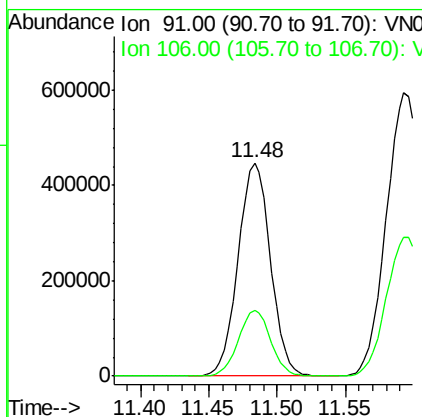
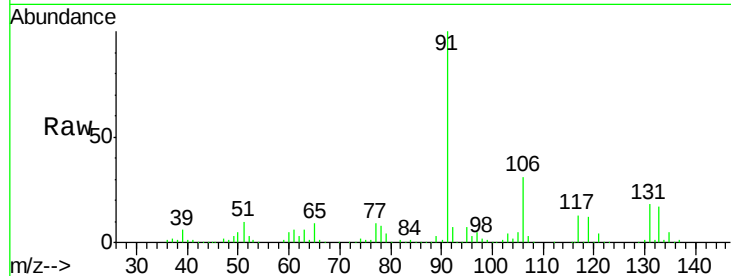
#67
Ethyl Benzene
Concen: 52.582 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 739631
Ion Ratio Lower Upper
91 100
106 30.8 25.3 37.9

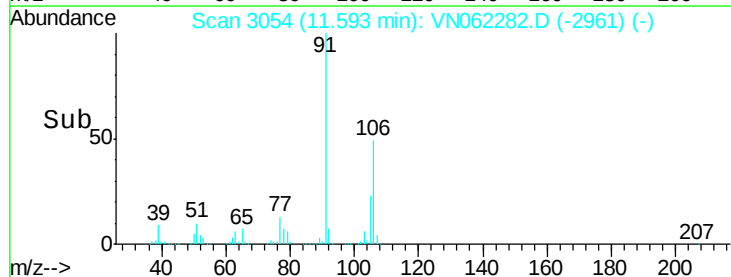
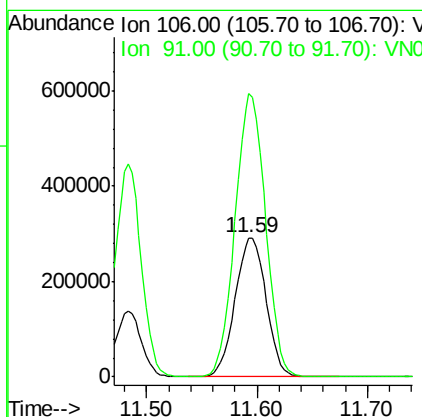
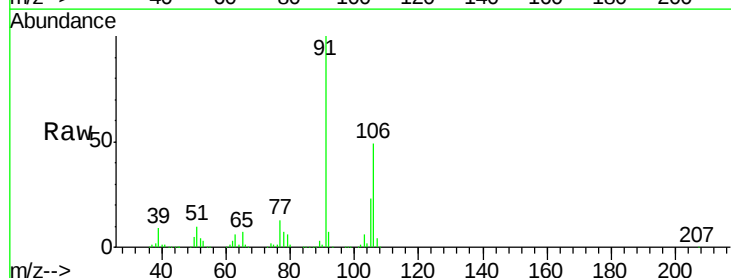
Manual Integrations
APPROVED

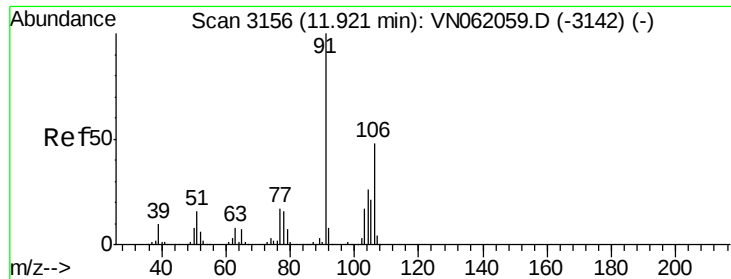
MMDadoda
7/2/2020 12:38:40 PM



#68
m/p-Xylenes
Concen: 103.740 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion: 106 Resp: 564405
Ion Ratio Lower Upper
106 100
91 200.9 157.8 236.8





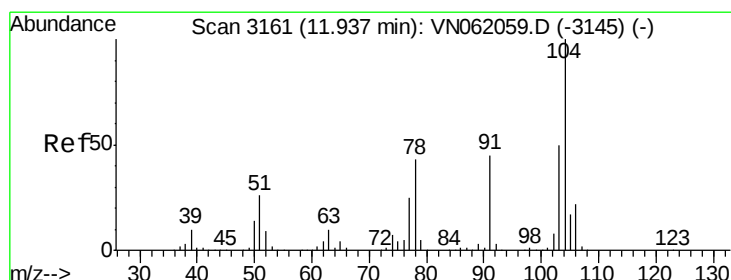
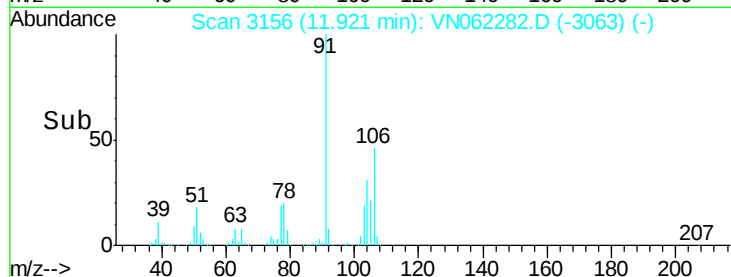
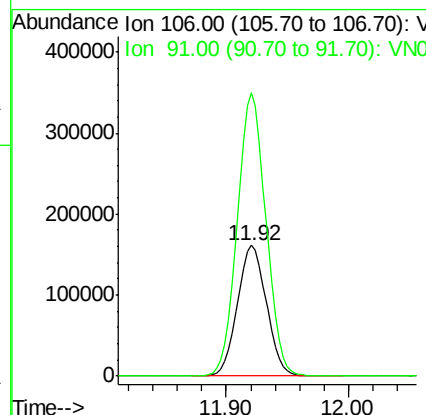
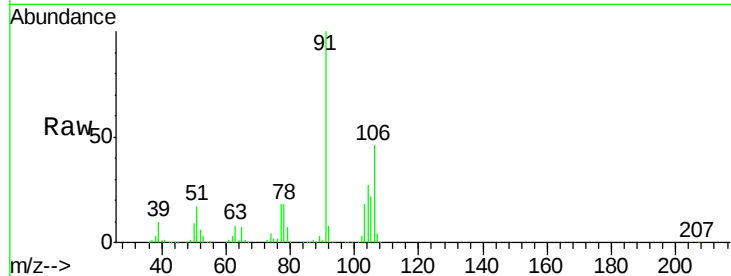
#69
o-Xylene
Concen: 51.840 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
266108	106	100			
	91	213.8	104.0	311.9	

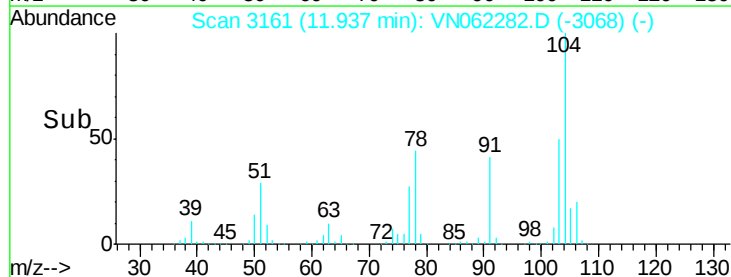
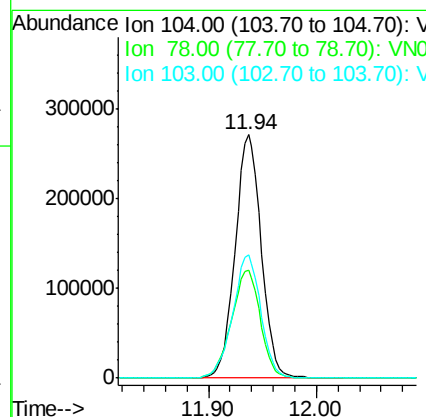
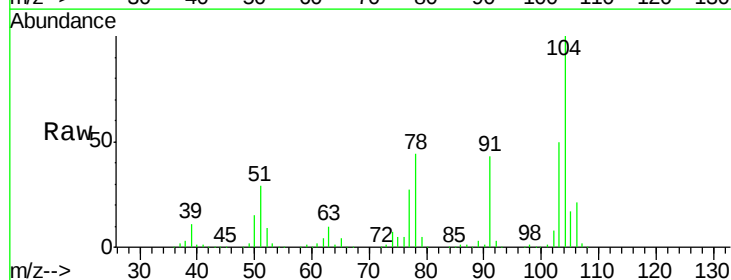
Manual Integrations
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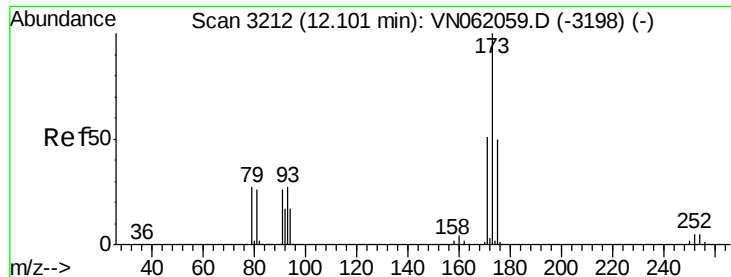
MMDadoda
7/2/2020 12:38:40 PM



#70
Styrene
Concen: 53.612 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
458970	104	100			
	78	48.9	37.7	56.5	
	103	54.3	43.0	64.6	





#71

Bromoform

Concen: 49.049 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

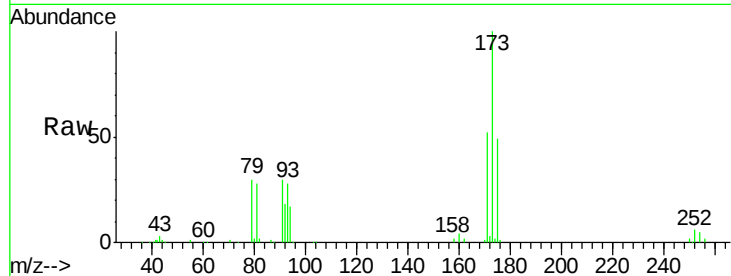
ClientSampleId :

VSTDCCC050

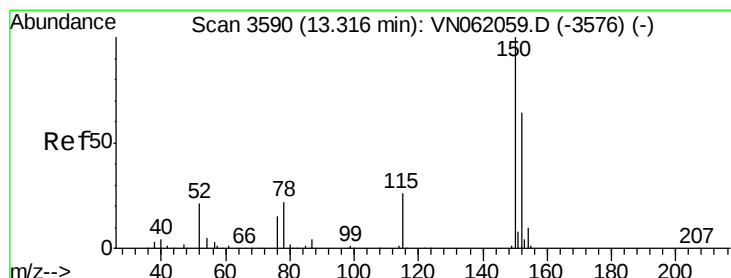
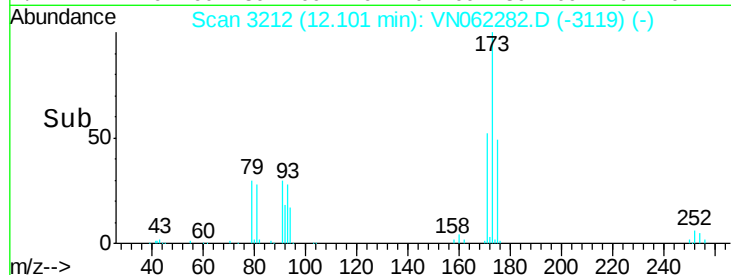
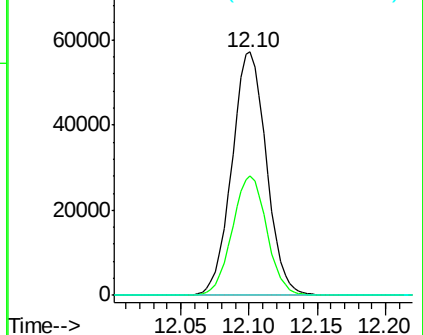
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.7	74.1
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

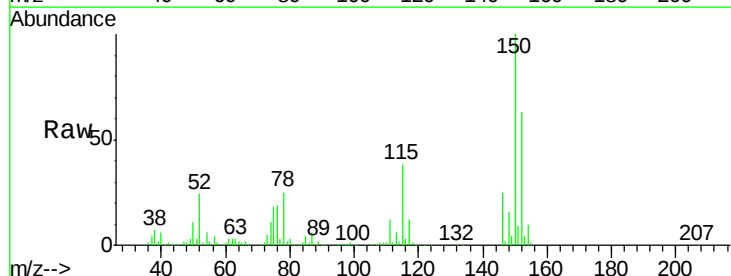
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

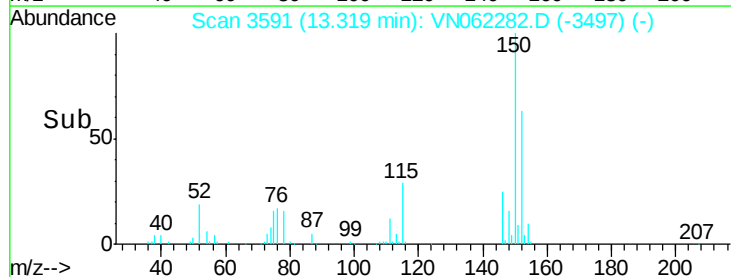
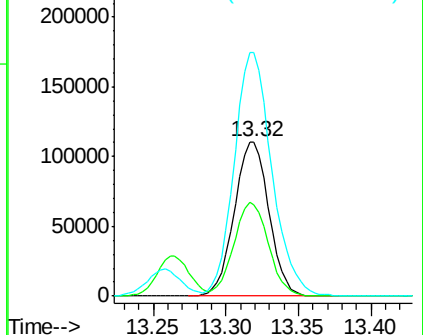
Lab File: VN062282.D

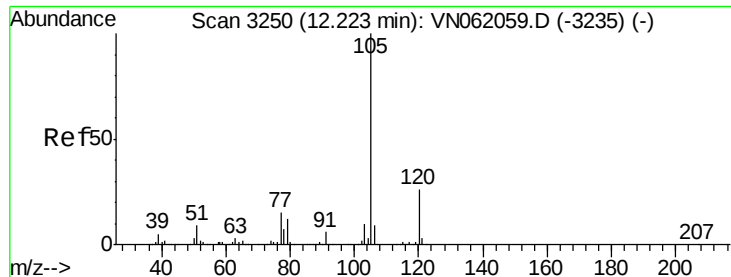
Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	29.5	88.5
150	172.1	0.0	351.4



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: 50.507 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 716109

Ion Ratio Lower Upper

105 100

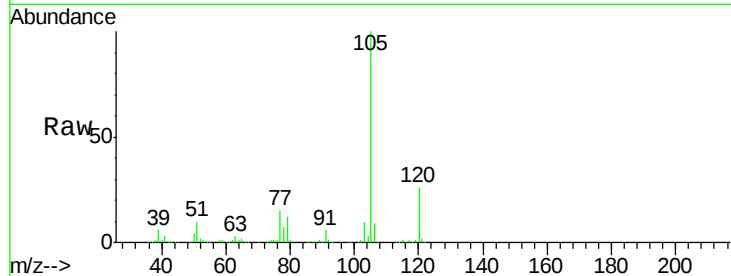
120 25.8 13.2 39.6

Manual Integrations

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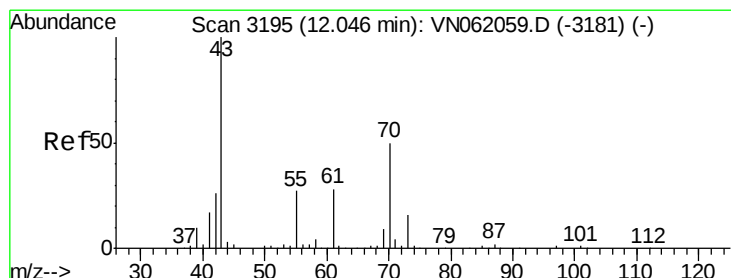
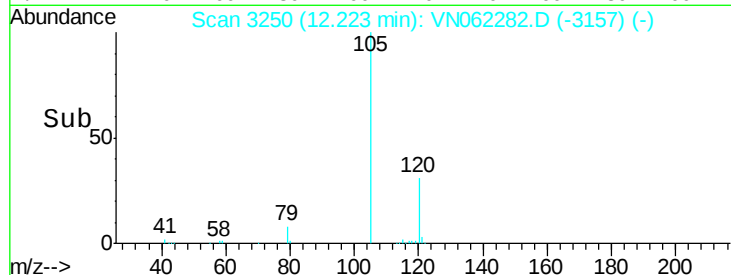
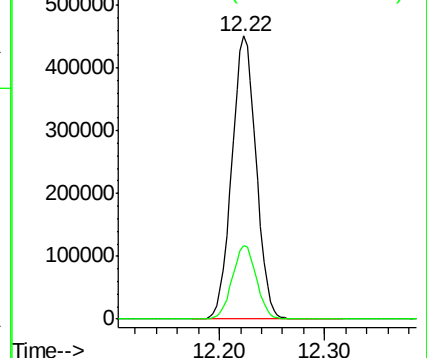
MMDadoda

7/2/2020 12:38:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.197 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Tgt Ion: 43 Resp: 267664

Ion Ratio Lower Upper

43 100

70 47.9 39.4 59.2

55 27.2 21.7 32.5

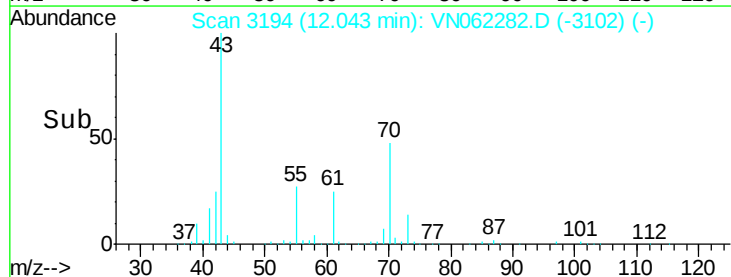
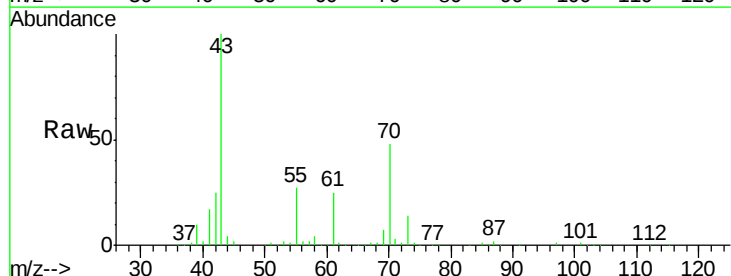
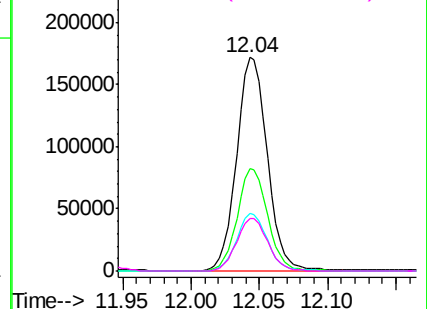
61 25.4 21.3 31.9

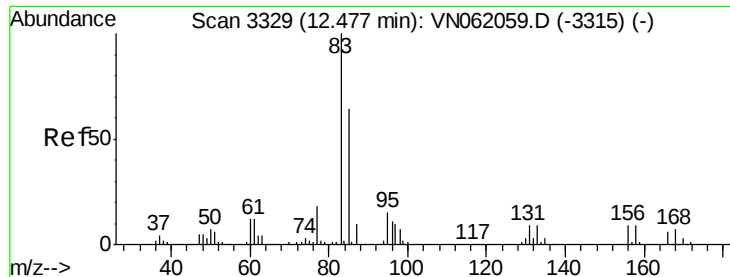
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.347 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

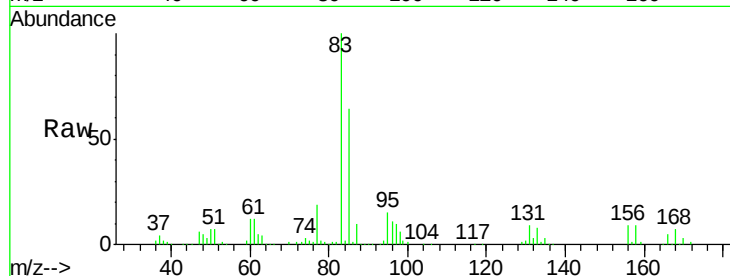
ClientSampled :

VSTDCCC050

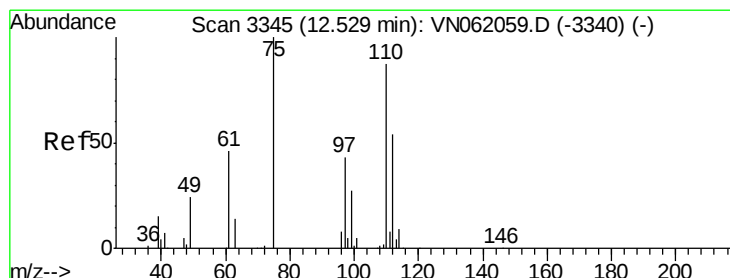
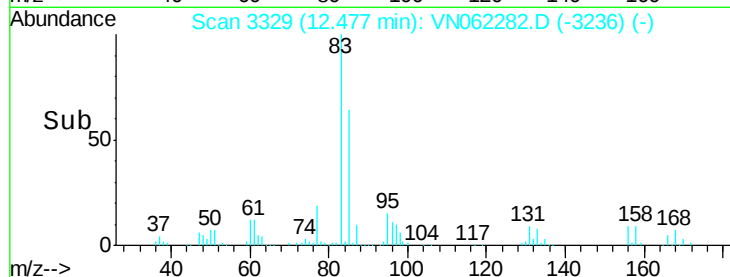
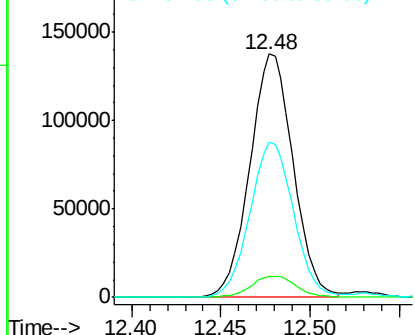
Tot Ion:	83	Resp:	232834
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.8	14.4
85	64.3	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 48.977 ug/l m

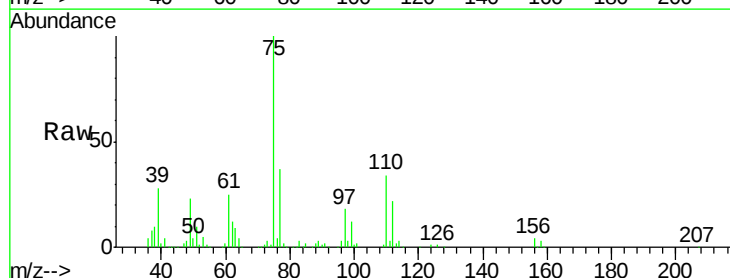
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

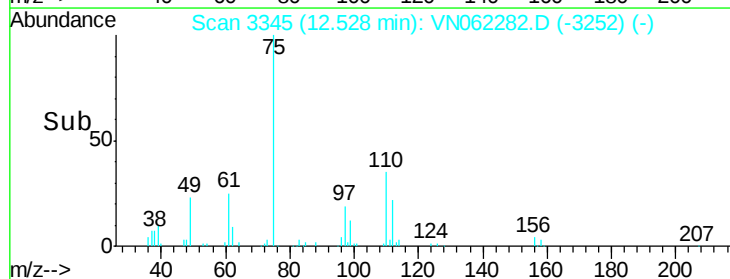
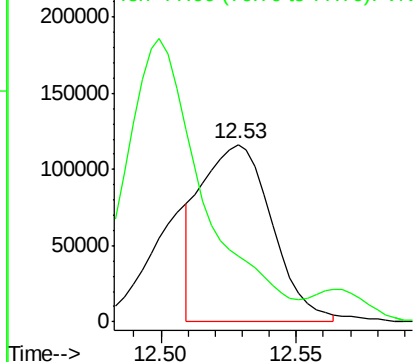
Lab File: VN062282.D

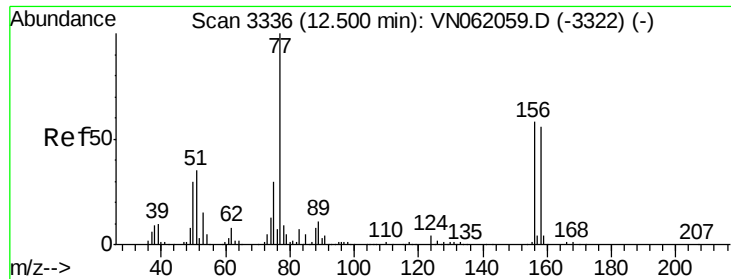
Acq: 1 Jul 2020 10:47

Tgt Ion:	75	Resp:	211181
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





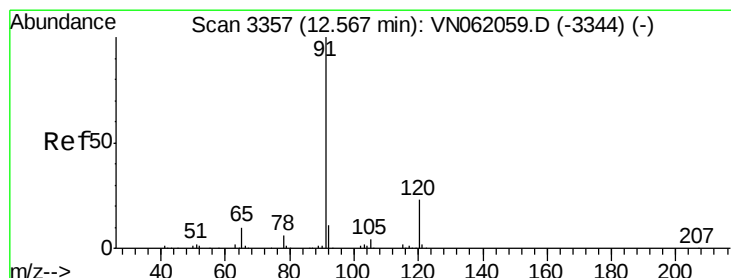
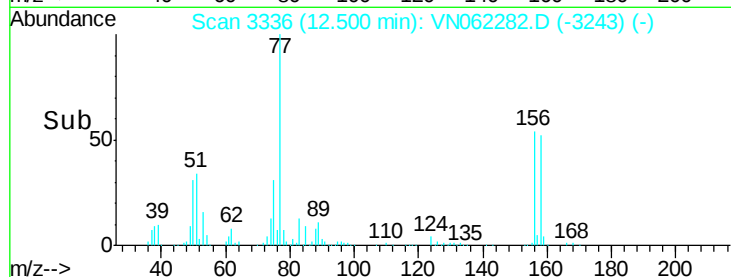
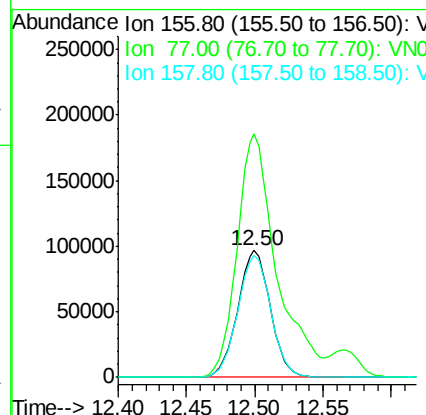
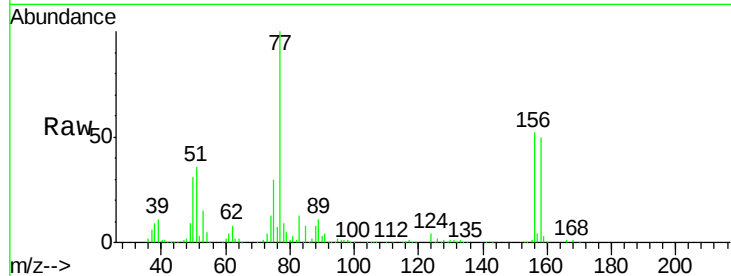
#77
Bromobenzene
Concen: 45.533 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	232.9	104.6	313.8
158	97.4	48.0	144.0

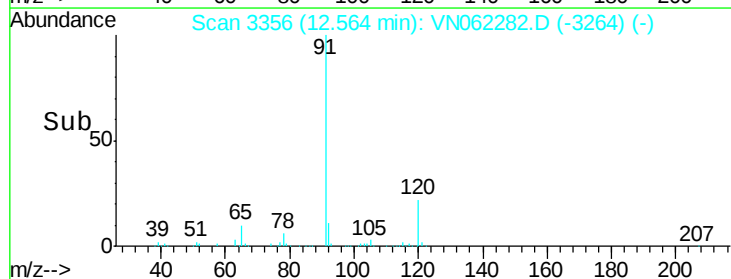
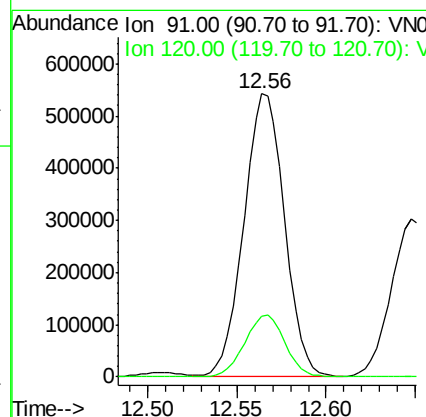
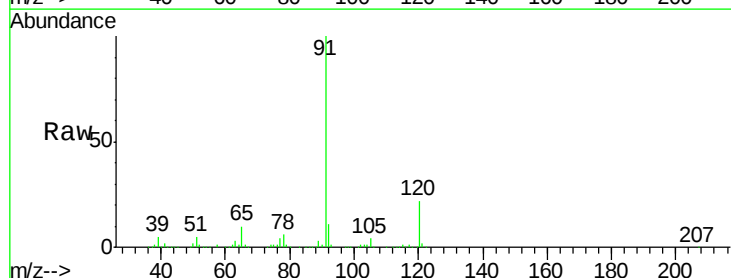
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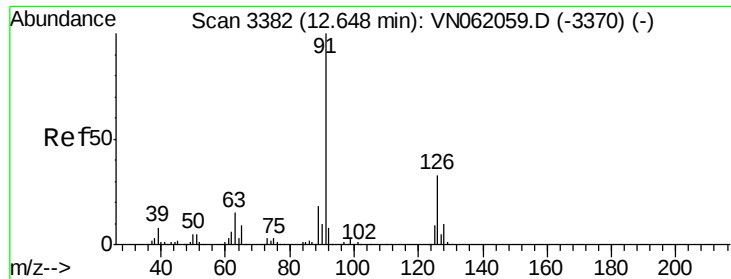
MMDadoda
7/2/2020 12:38:40 PM



#78
n-propylbenzene
Concen: 52.763 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.4	34.1





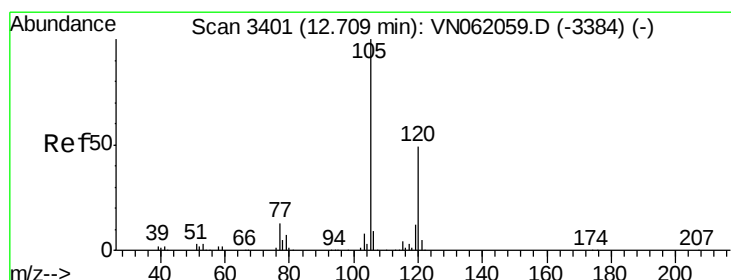
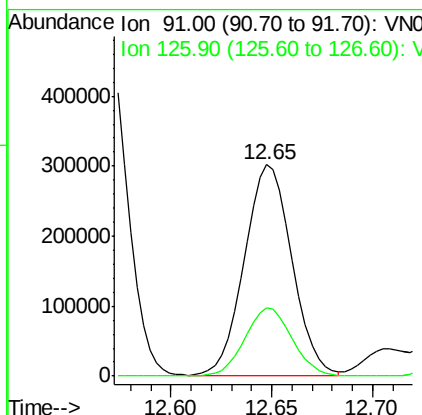
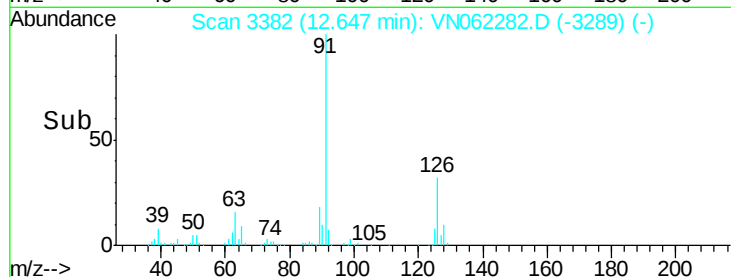
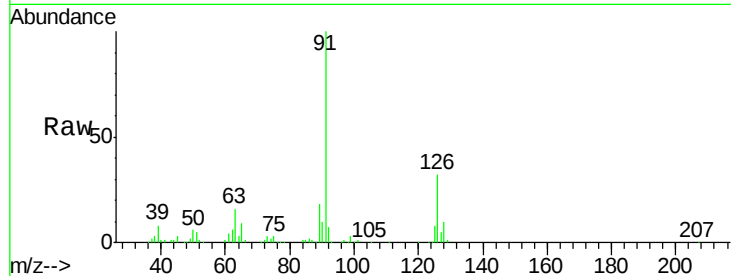
#79
2-Chlorotoluene
Concen: 50.520 ug/l
RT: 12.65 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 495325
Ion Ratio Lower Upper
91 100
126 32.4 16.9 50.7

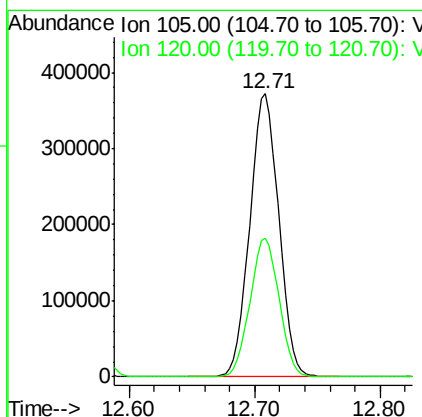
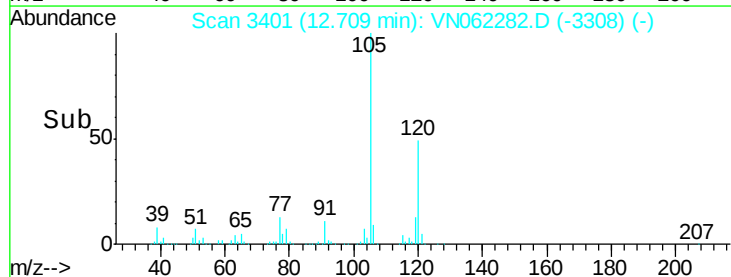
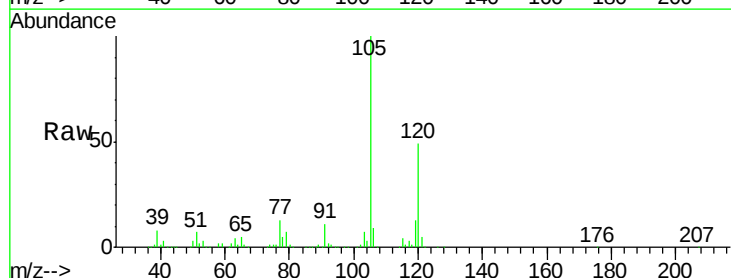
Manual Integrations
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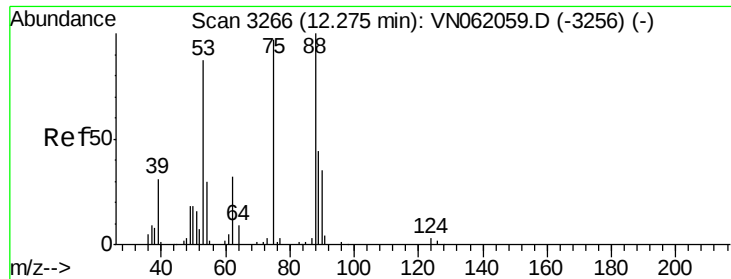
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 52.023 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion: 105 Resp: 597946
Ion Ratio Lower Upper
105 100
120 49.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.739 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

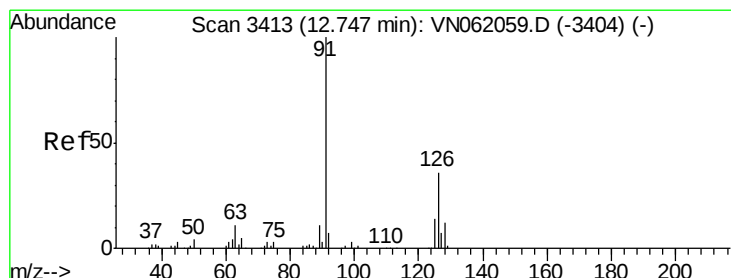
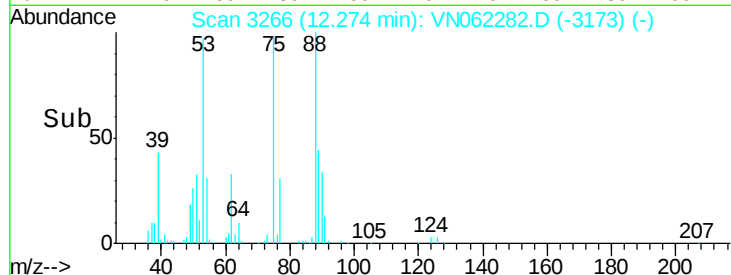
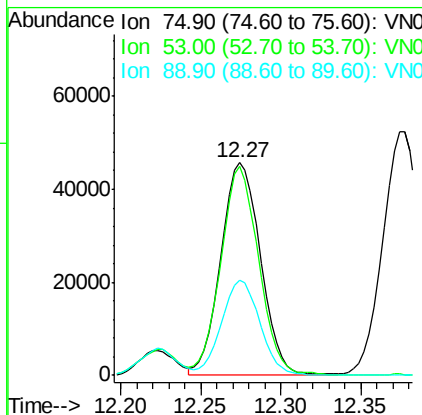
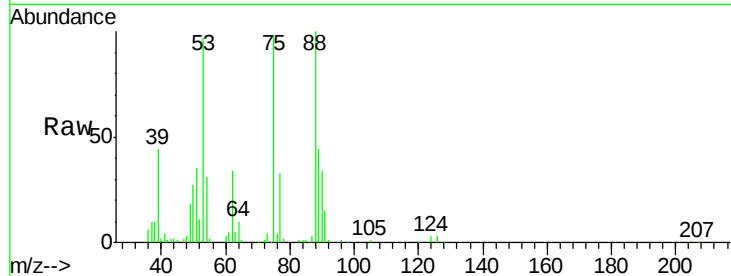
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	77868
Ion	Ratio	Lower	Upper
75	100		
53	93.9	72.0	108.0
89	43.0	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.638 ug/l

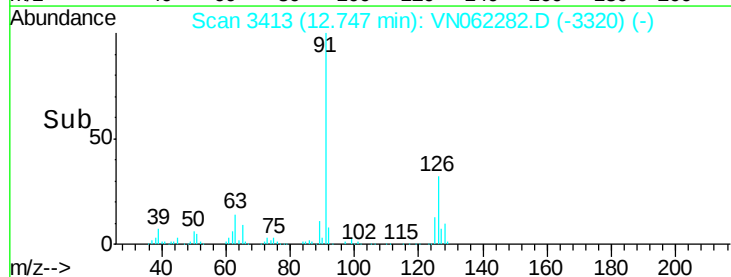
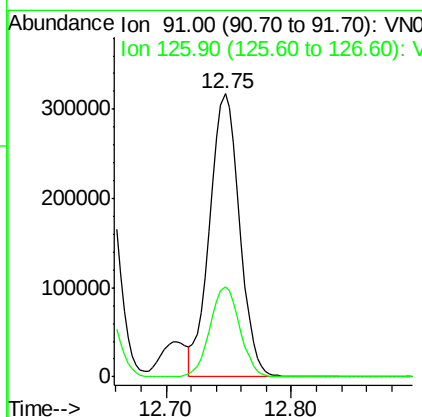
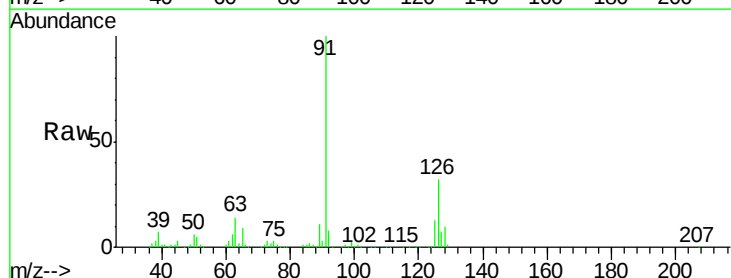
RT: 12.75 min Scan# 3413

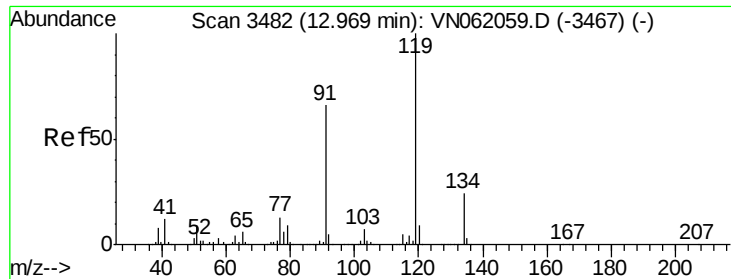
Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Tgt Ion:	91	Resp:	523558
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.7	50.1





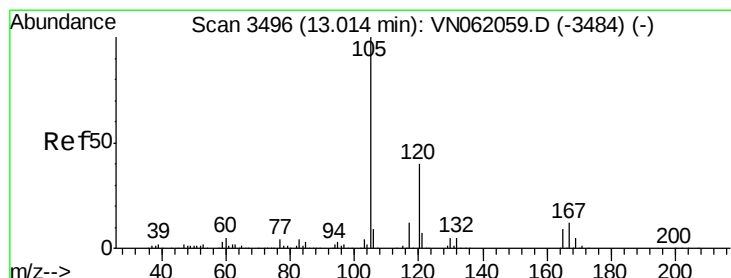
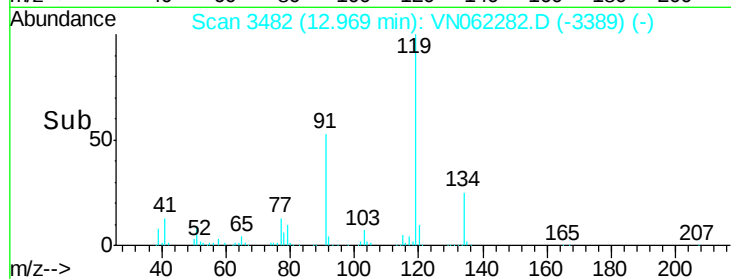
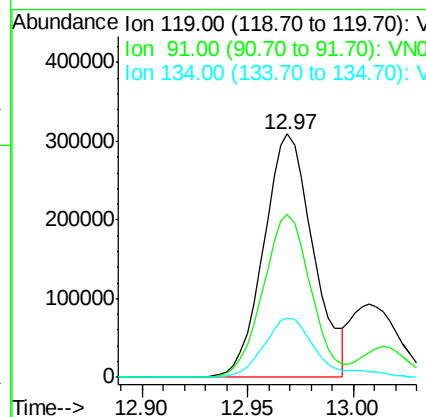
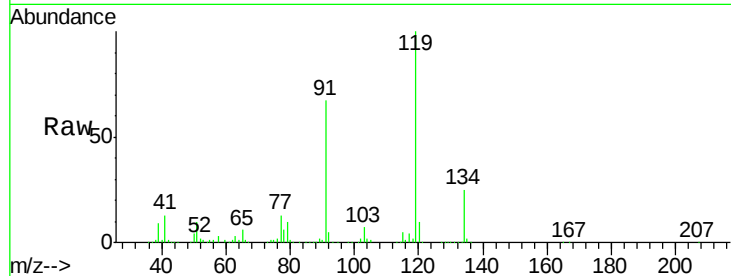
#83
 tert-Butylbenzene
 Concen: 51.356 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	505168		
91	65.1		31.7	95.1
134	26.3		13.1	39.1

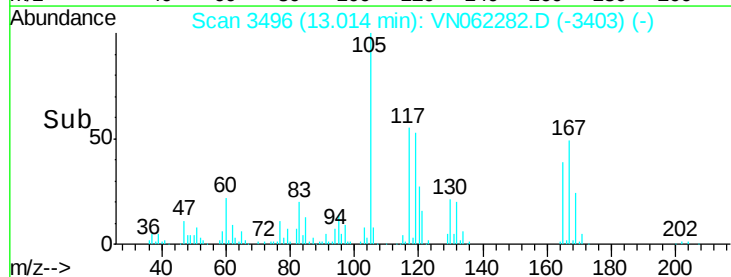
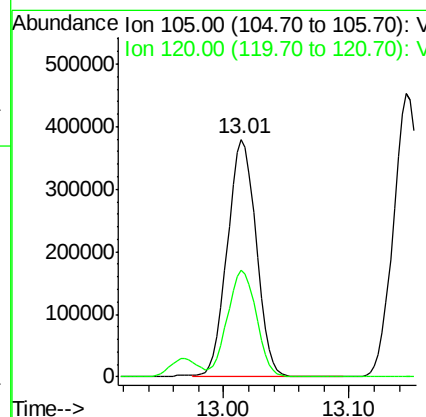
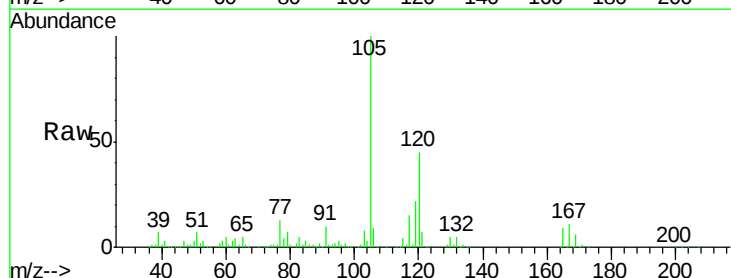
Manual Integrations
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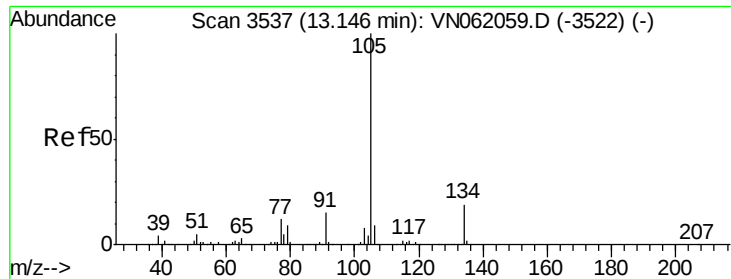
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.654 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	604438		
120	45.5		23.2	69.5





#85

sec-Butylbenzene

Concen: 54.681 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 710729

Ion Ratio Lower Upper

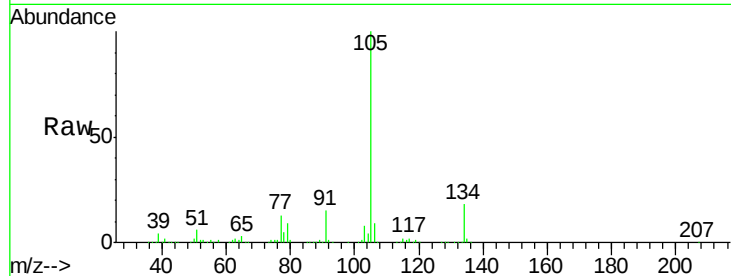
105 100

134 18.5 9.7 29.1

Manual Integrations
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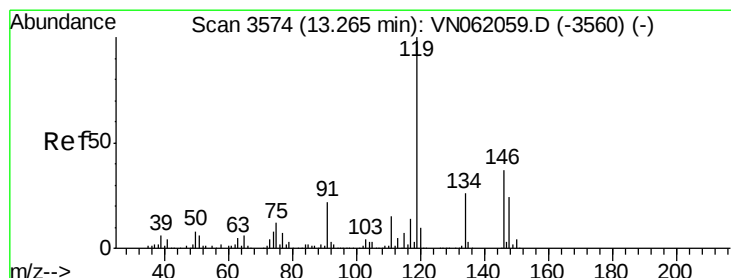
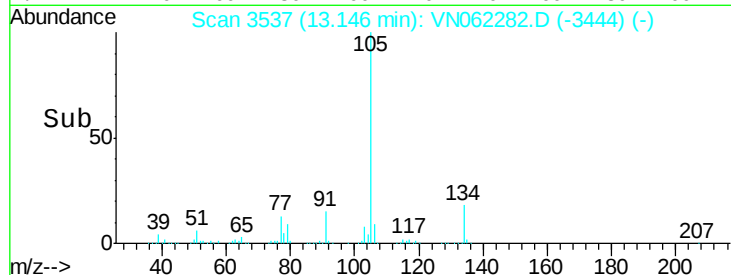
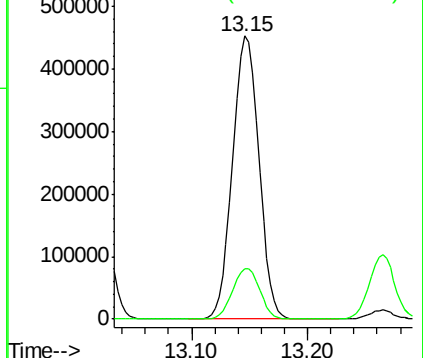
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.545 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062282.D

Acq: 1 Jul 2020 10:47

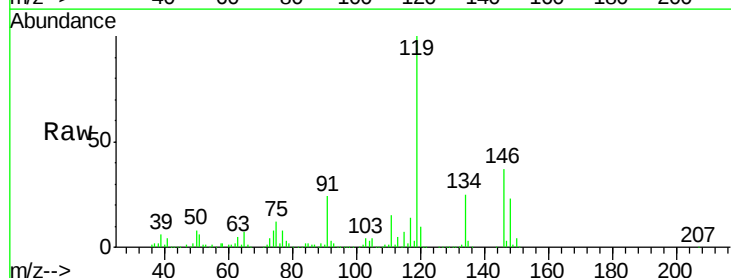
Tgt Ion:119 Resp: 621131

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

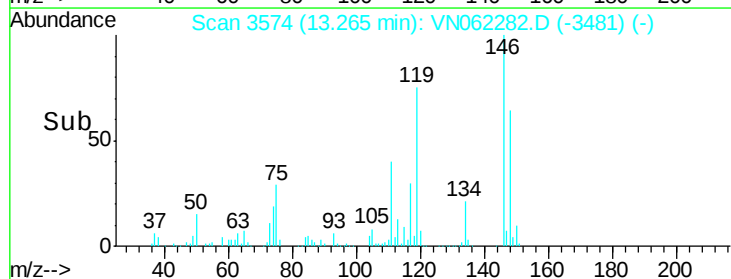
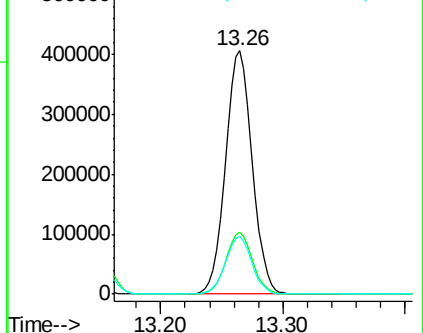
91 23.6 11.3 33.8

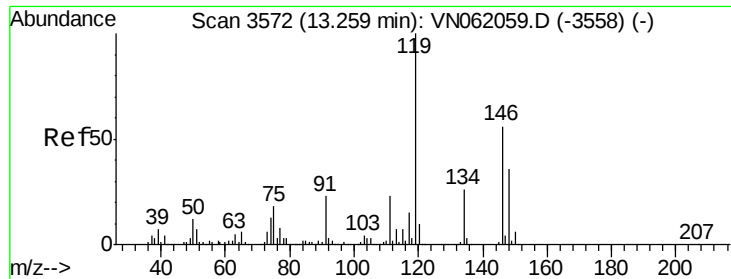


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





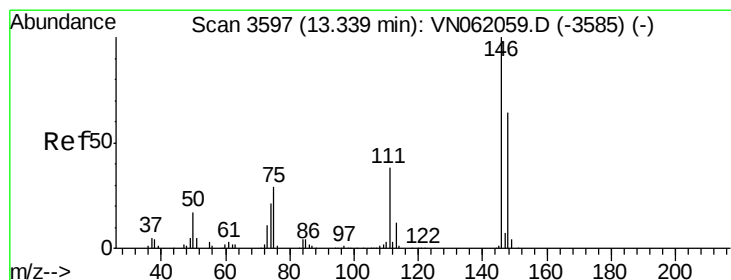
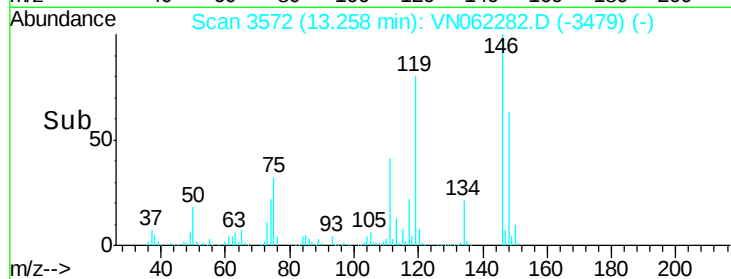
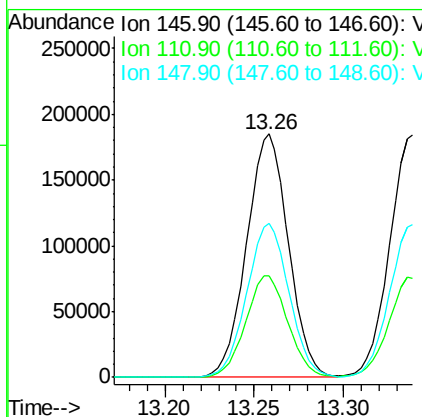
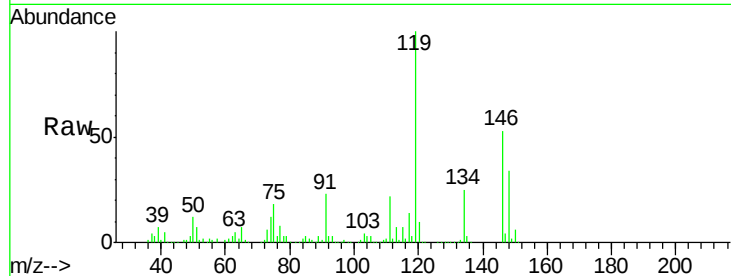
#87
 1,3-Dichlorobenzene
 Concen: 49.180 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	63.7	31.8	95.3

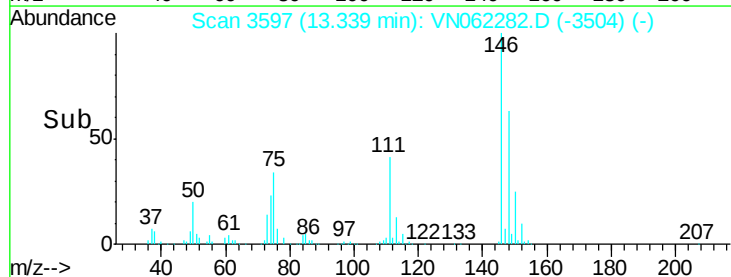
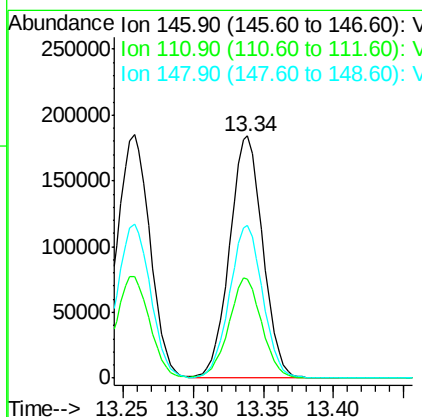
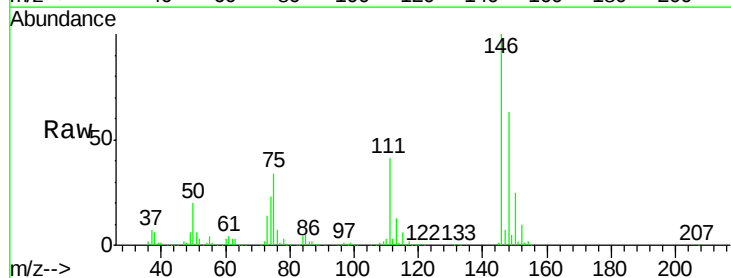
Manual Integrations
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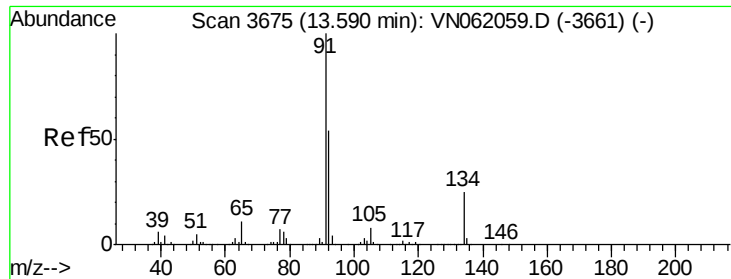
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#88
 1,4-Dichlorobenzene
 Concen: 47.527 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.6
148	62.9	31.9	95.9





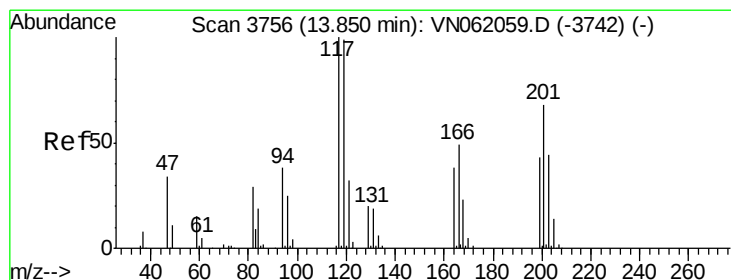
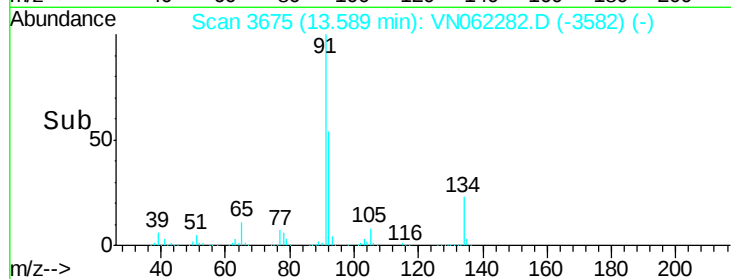
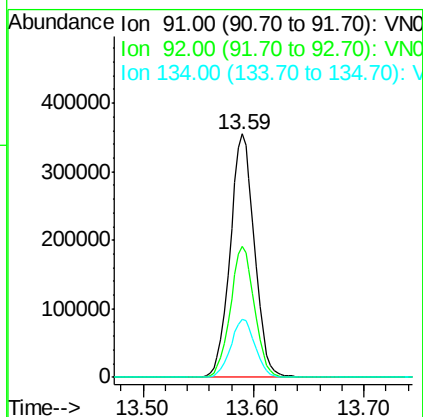
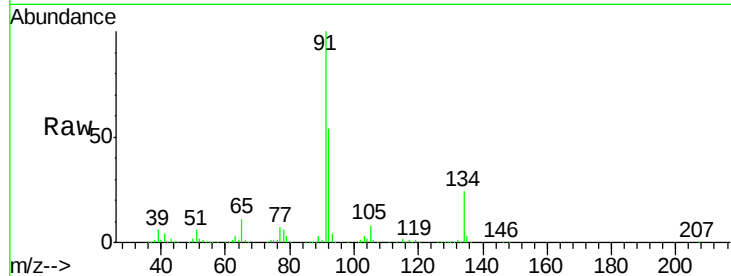
#89
n-Butylbenzene
Concen: 57.103 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	24.0	12.3	36.9

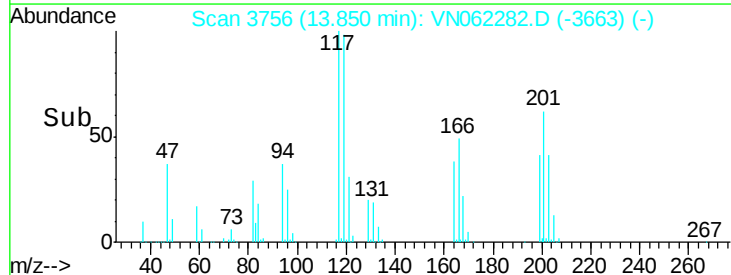
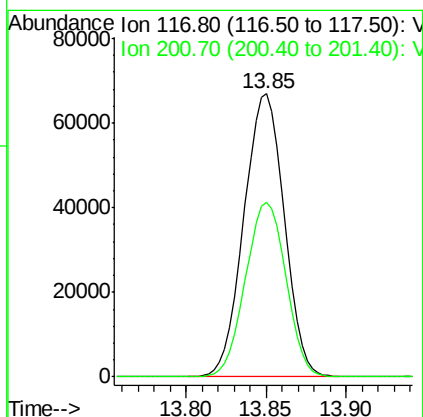
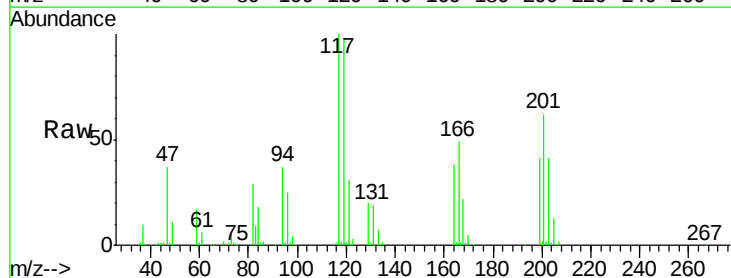
Manual Integrations
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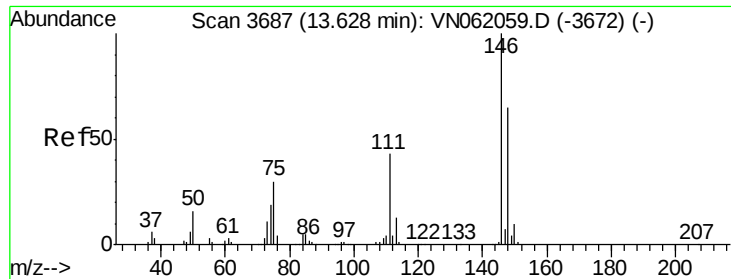
MMDadoda
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#90
Hexachloroethane
Concen: 51.861 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.9	32.7	98.1





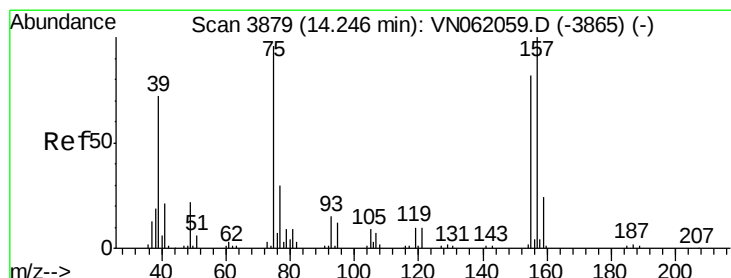
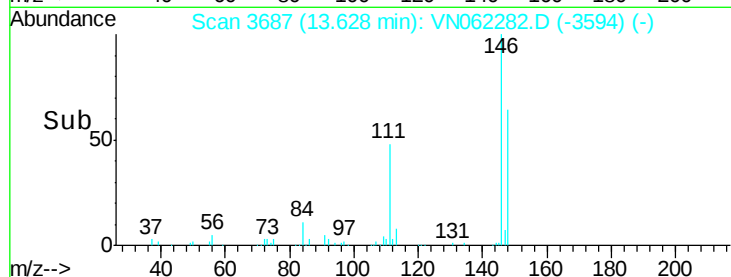
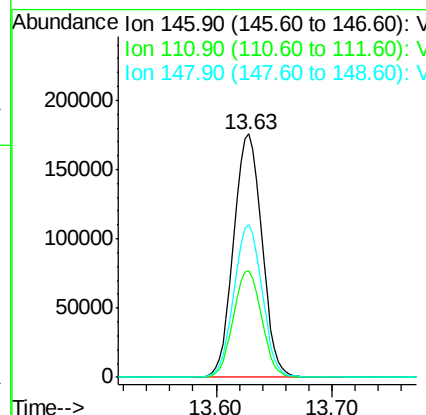
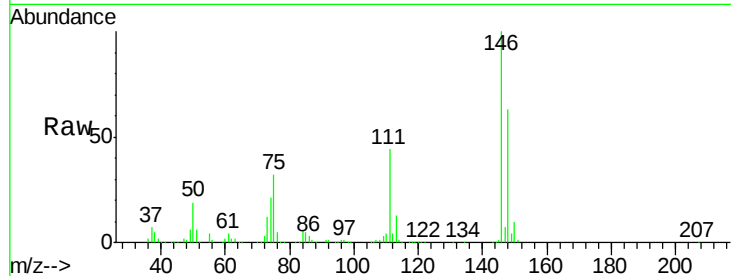
#91
 1,2-Dichlorobenzene
 Concen: 49.479 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.2	63.6
148	62.3	31.9	95.5

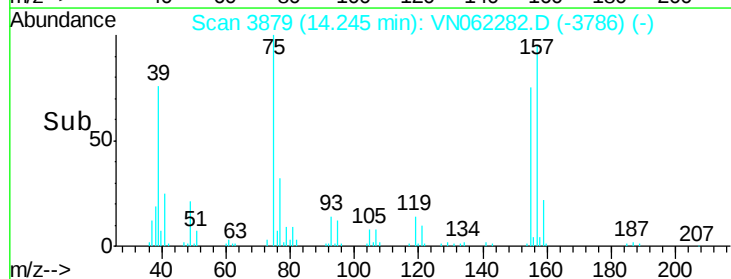
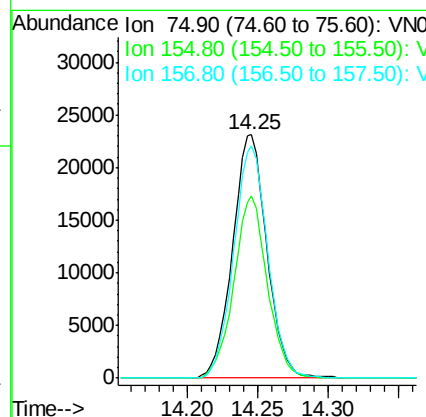
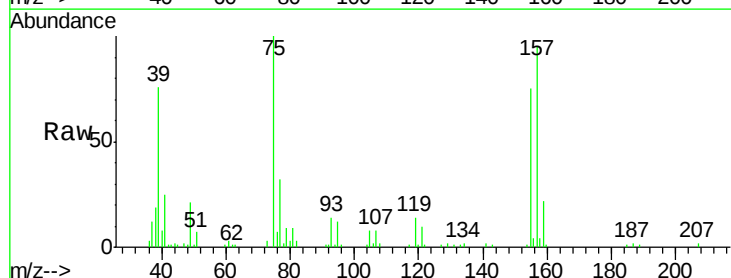
Manual Integrations
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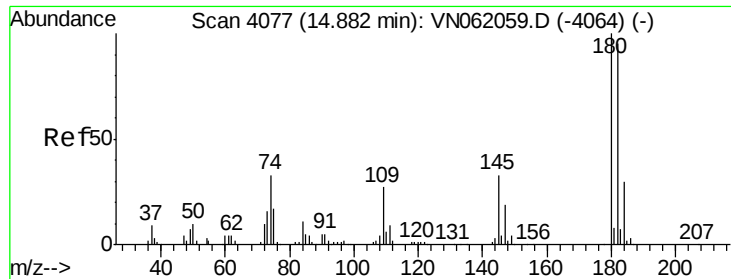
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.048 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	40.8	122.4
157	94.5	51.4	154.3





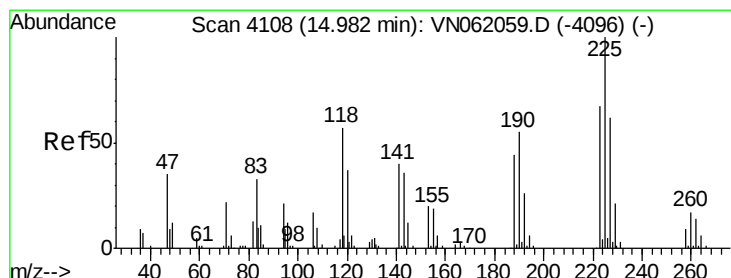
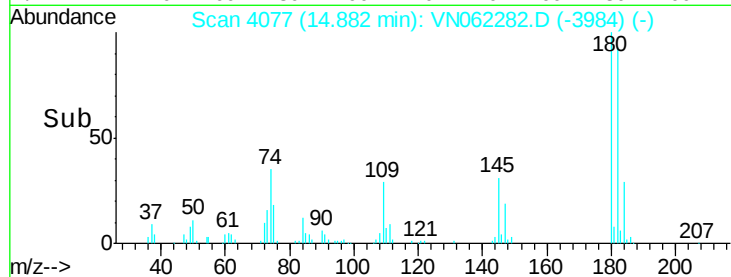
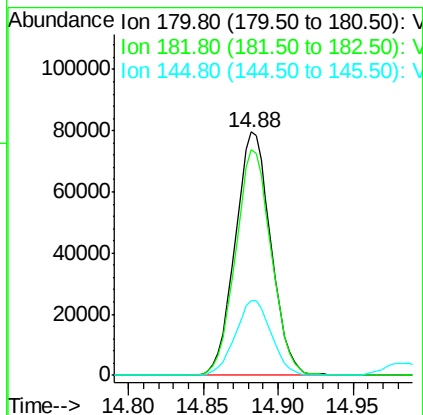
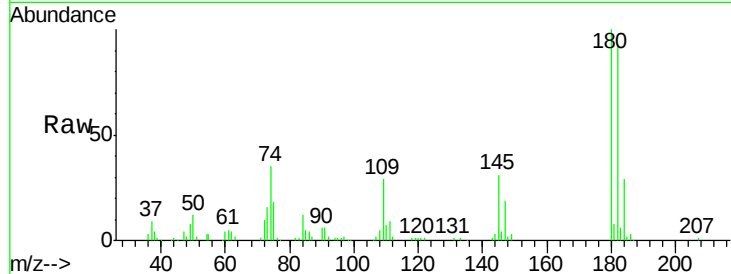
#93
 1,2,4-Trichlorobenzene
 Concen: 50.452 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132107		
182	92.5	48.0	144.2	
145	31.1	16.0	48.0	

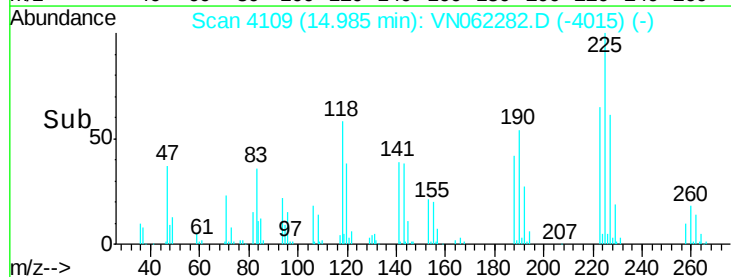
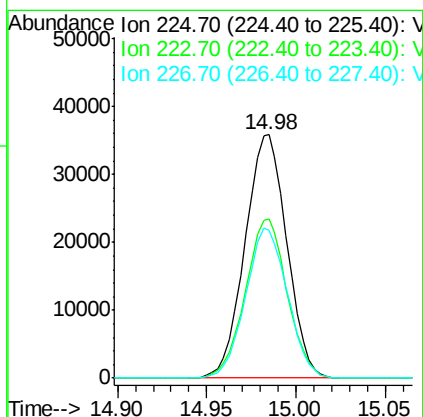
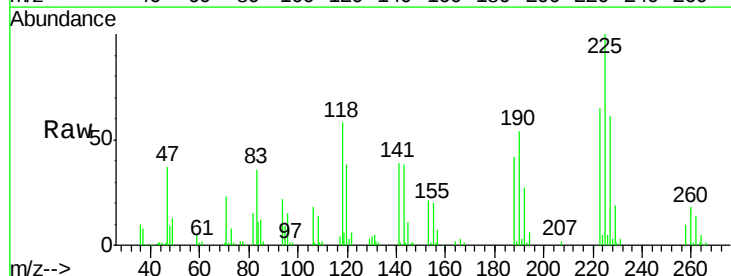
Manual Integrations
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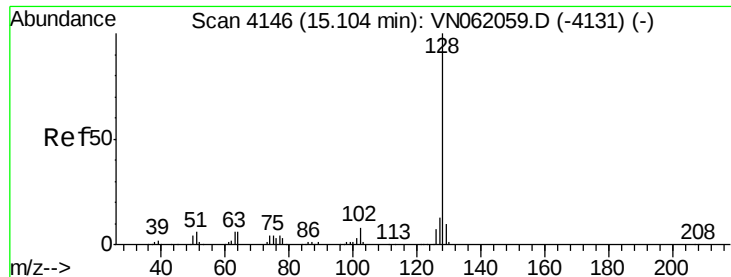
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#94
 Hexachlorobutadiene
 Concen: 51.640 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062282.D
 Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58729		
223	65.4	32.9	98.7	
227	61.7	31.3	93.8	





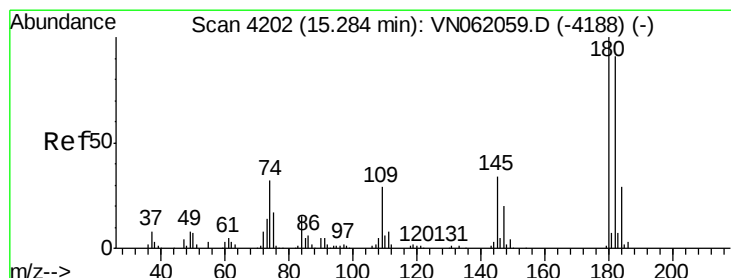
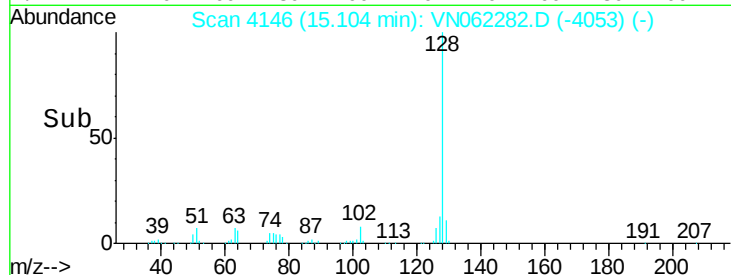
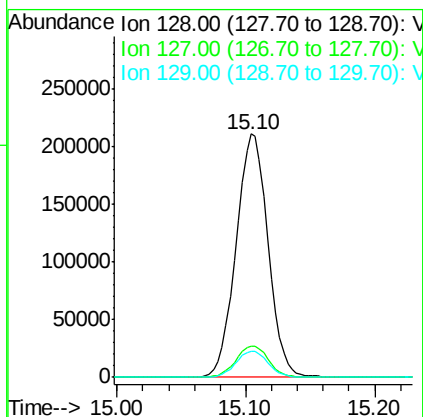
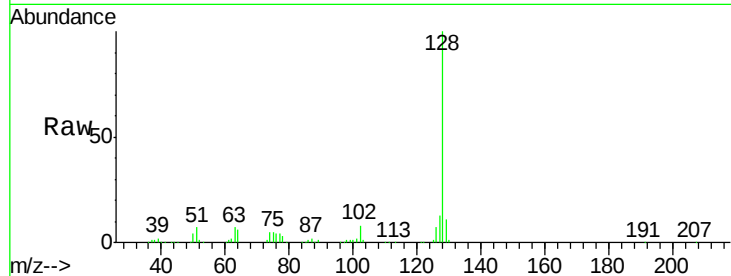
#95
Naphthalene
Concen: 42.365 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 49.501 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062282.D
Acq: 1 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.8	140.4
145	34.3	16.4	49.2

