

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041923\
 Data File : VW030657.D
 Acq On : 19 Apr 2023 10:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 20 01:21:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	250334	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	238176	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	136931	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	57049	31.087	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.180%
7) Chloroethane-d5	1.535	69	53933	35.071	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.140%
11) 1,1-Dichloroethene-d2	2.066	65	31300	35.965	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.940%
21) 2-Butanone-d5	3.796	46	102712	101.900	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.900%
24) Chloroform-d	4.256	84	147483	44.346	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.700%
26) 1,2-Dichloroethane-d4	4.950	65	96887	45.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.620%
32) Benzene-d6	4.966	84	244494	43.418	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.840%
36) 1,2-Dichloropropane-d6	5.995	67	79556	45.482	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.960%
41) Toluene-d8	7.249	98	230588	43.613	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.220%
43) trans-1,3-Dichloroprop...	7.558	79	38970	44.203	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.400%
47) 2-Hexanone-d5	8.030	63	69080	100.251	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.250%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	122796	48.380	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.760%
66) 1,2-Dichlorobenzene-d4	11.567	152	103526	47.566	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	108541	50.430	ug/L	100
3) Chloromethane	1.217	50	135160	47.873	ug/L	99
5) Vinyl chloride	1.288	62	112612	49.473	ug/L	98
6) Bromomethane	1.490	94	46401	51.409	ug/L	99
8) Chloroethane	1.551	64	74070	47.443	ug/L	99
9) Trichlorofluoromethane	1.719	101	193219	52.375	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	101528	52.366	ug/L	98
12) 1,1-Dichloroethene	2.076	96	88036	50.224	ug/L	85
13) Acetone	2.124	43	169401	108.609	ug/L	99
14) Carbon disulfide	2.246	76	248860	50.264	ug/L	99
15) Methyl Acetate	2.378	43	104820	50.359	ug/L	99
16) Methylene chloride	2.452	84	97579	48.646	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	90037	50.881	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	305376	53.877	ug/L	99
19) 1,1-Dichloroethane	3.117	63	181313	50.255	ug/L	98
20) cis-1,2-Dichloroethene	3.821	96	99886	51.891	ug/L	99
22) 2-Butanone	3.876	43	165380	102.603	ug/L	98
23) Bromochloromethane	4.153	128	53524	49.785	ug/L	96
25) Chloroform	4.284	83	192521	51.556	ug/L	100

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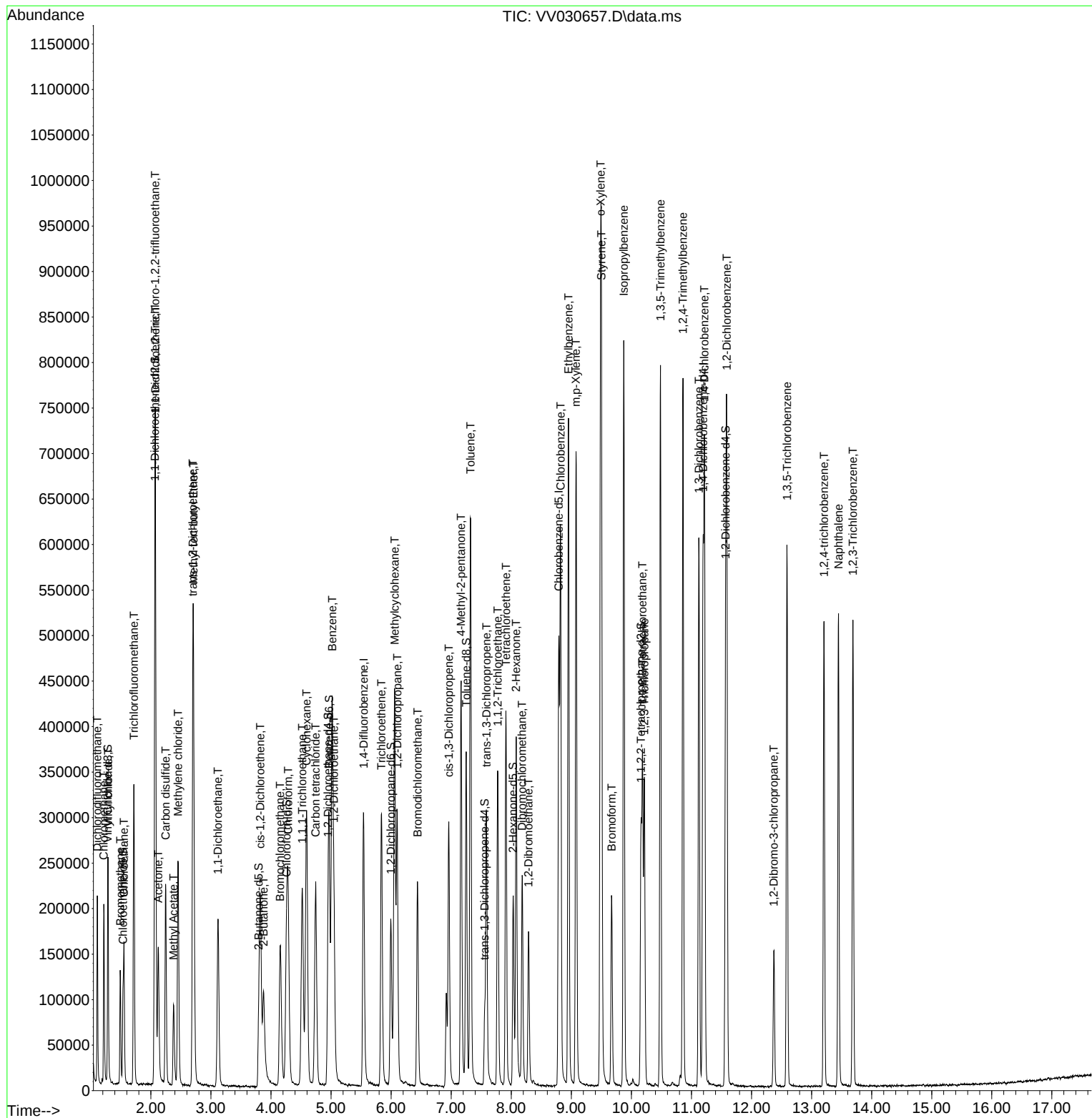
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	168677	53.361	ug/L	99
29) Cyclohexane	4.593	56	157840	55.223	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	175476	52.432	ug/L	100
31) Carbon tetrachloride	4.744	117	156869	52.426	ug/L	99
33) Benzene	5.018	78	399290	55.207	ug/L	100
34) Trichloroethene	5.837	95	101309	53.851	ug/L	98
35) Methylcyclohexane	6.059	83	165580	56.170	ug/L	99
37) 1,2-Dichloropropane	6.101	63	98917	50.813	ug/L	99
38) Bromodichloromethane	6.439	83	145211	53.101	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	160621	54.974	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	298634	109.819	ug/L	99
42) Toluene	7.323	91	433318	55.934	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	158378	55.174	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	102410	52.463	ug/L	99
46) Tetrachloroethene	7.911	164	88540	53.768	ug/L	97
48) 2-Hexanone	8.082	43	240194	107.049	ug/L	99
49) Dibromochloromethane	8.181	129	112093	52.060	ug/L	98
50) 1,2-Dibromoethane	8.288	107	106077	52.446	ug/L	99
51) Chlorobenzene	8.821	112	301629	58.790	ug/L	99
52) Ethylbenzene	8.953	91	479263	55.883	ug/L	100
53) m,p-Xylene	9.079	106	184018	56.805	ug/L	99
54) o-Xylene	9.487	106	177205	55.916	ug/L	99
55) Styrene	9.503	104	316541	56.862	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	157410	49.115	ug/L	98
59) Bromoform	9.670	173	90530	52.806	ug/L	99
60) Isopropylbenzene	9.873	105	488127	57.159	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	122128	49.797	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	392857	55.874	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	387552	55.204	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	231411	54.125	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	254958	56.551	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	244448	56.674	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	33707	46.389	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	175696	54.399	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	149707	54.593	ug/L	98
71) Naphthalene	13.448	128	384907	51.311	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	148315	54.544	ug/L	100

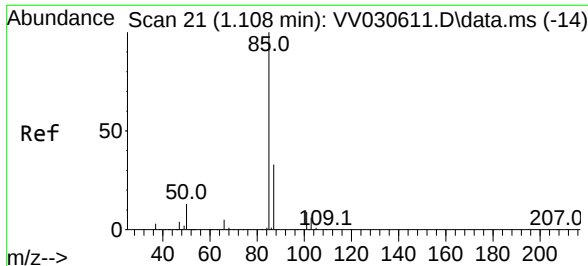
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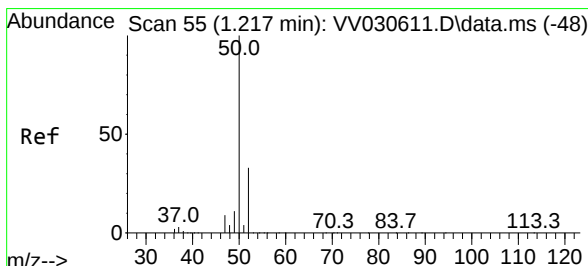
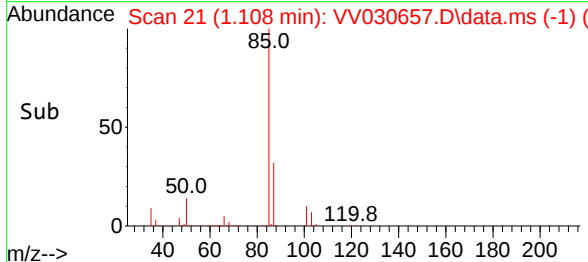
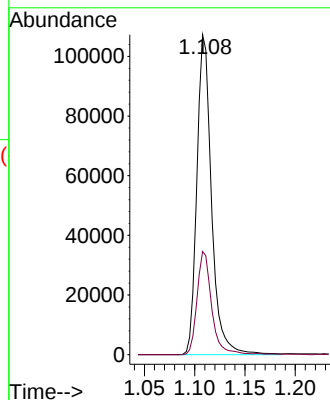
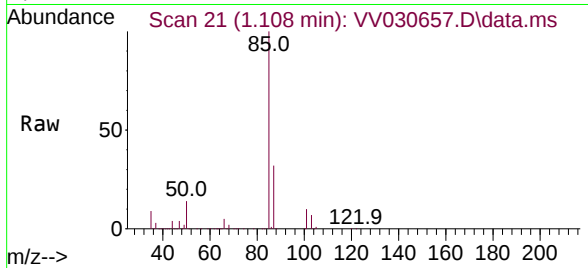




#2
Dichlorodifluoromethane
Concen: 50.430 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

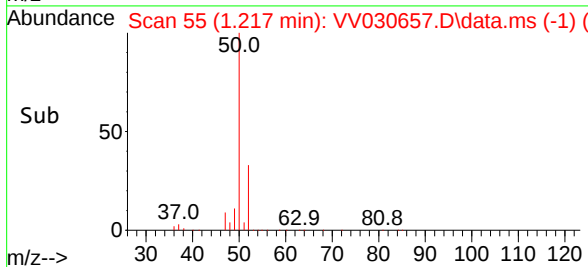
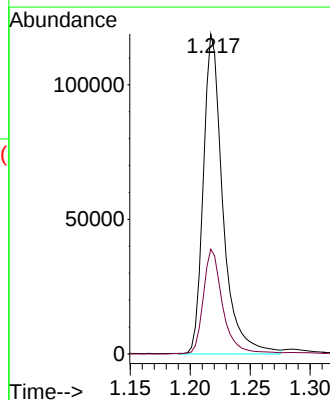
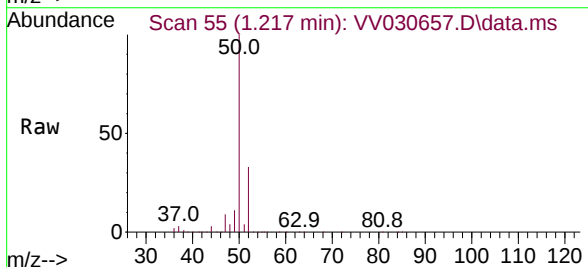
Instrument :
MSVOA_V
ClientSampleId :

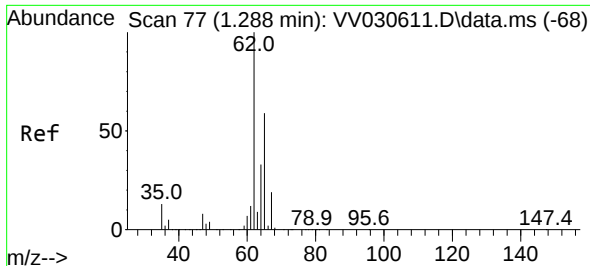
Tgt Ion: 85 Resp: 108541
Ion Ratio Lower Upper
85 100
87 32.0 25.6 38.4



#3
Chloromethane
Concen: 47.873 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Tgt Ion: 50 Resp: 135160
Ion Ratio Lower Upper
50 100
52 32.8 22.5 41.9



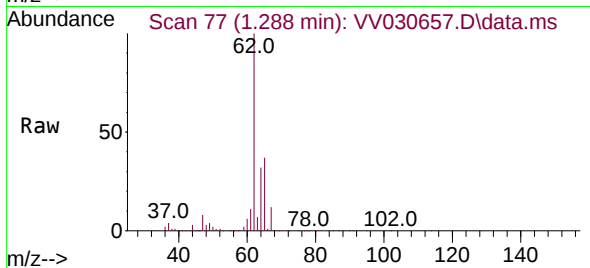


#5
 Vinyl chloride
 Concen: 49.473 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV030657.D
 Acq: 19 Apr 2023 10:13

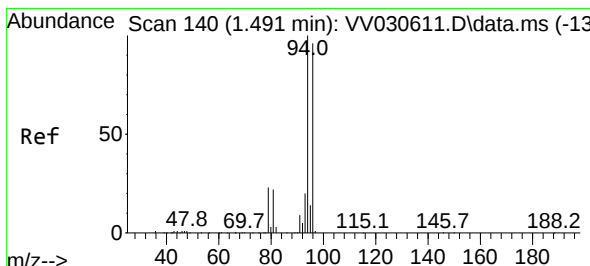
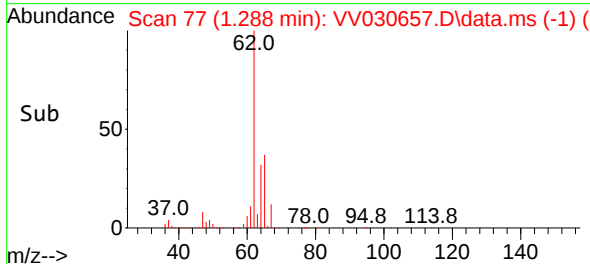
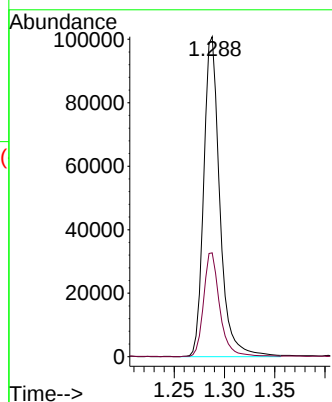
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MSVOA_V

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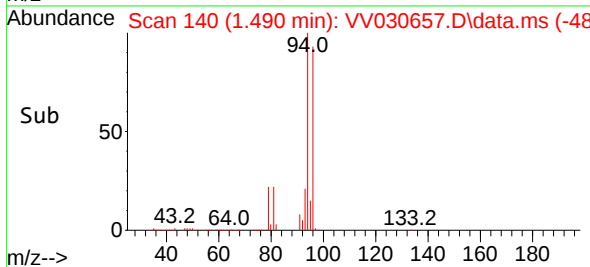
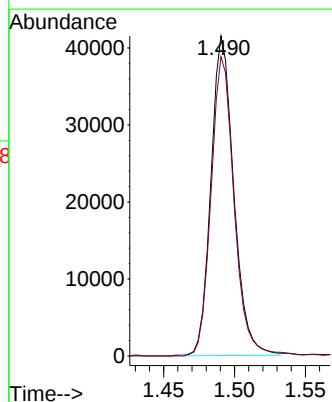
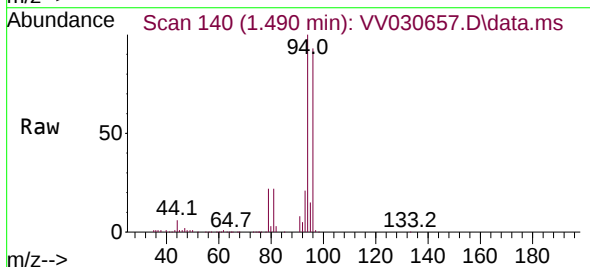


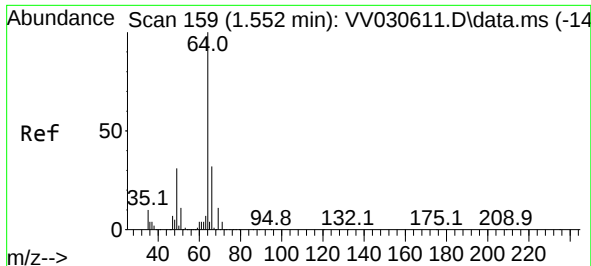
Tgt Ion: 62 Resp: 112612
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.4 43.4



#6
 Bromomethane
 Concen: 51.409 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV030657.D
 Acq: 19 Apr 2023 10:13

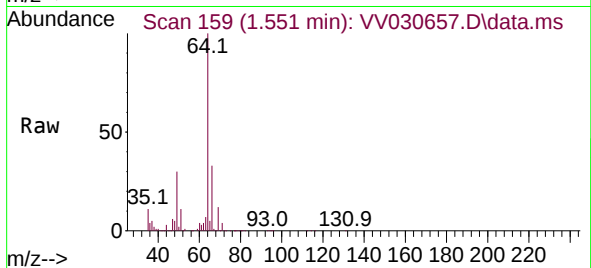
Tgt Ion: 94 Resp: 46401
 Ion Ratio Lower Upper
 94 100
 96 93.5 66.3 123.1



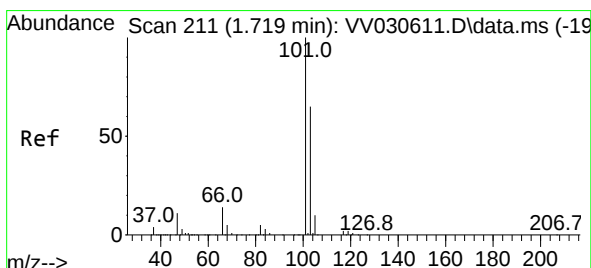
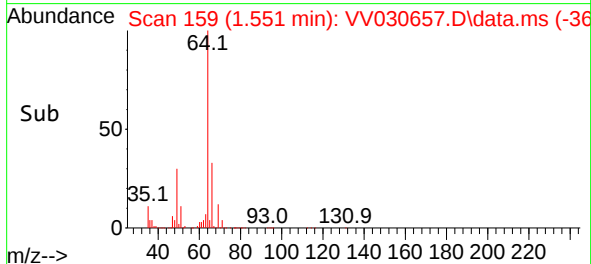
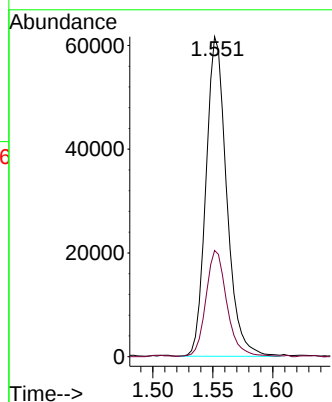


#8
Chloroethane
Concen: 47.443 ug/L
RT: 1.551 min Scan# 159
Delta R.T. -0.003 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Instrument :
MSVOA_V
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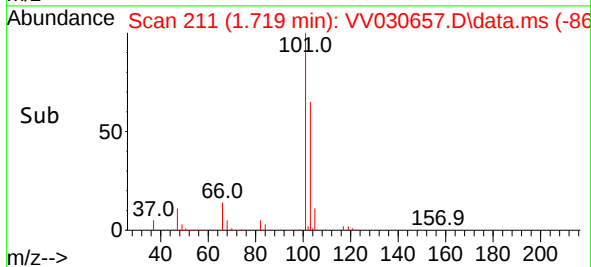
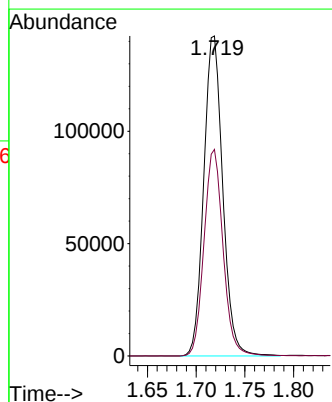
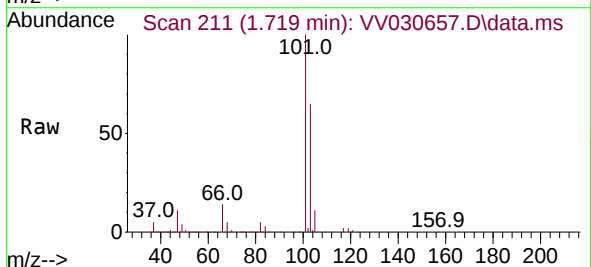


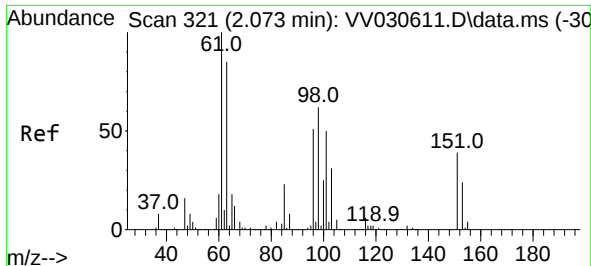
Tgt Ion: 64 Resp: 74070
Ion Ratio Lower Upper
64 100
66 33.2 22.7 42.3



#9
Trichlorofluoromethane
Concen: 52.375 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Tgt Ion:101 Resp: 193219
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.0

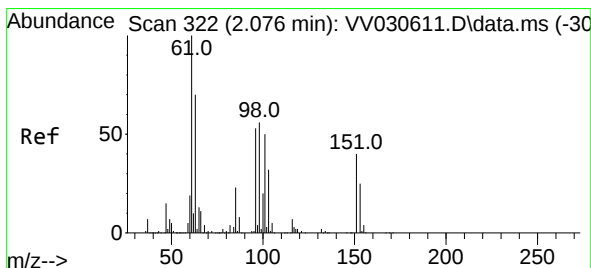
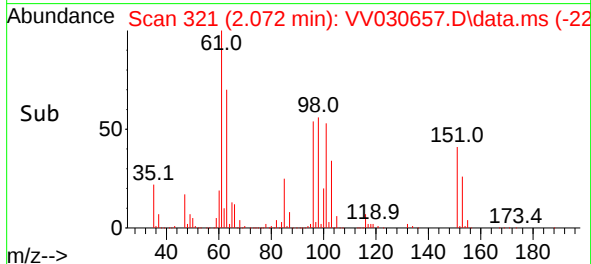
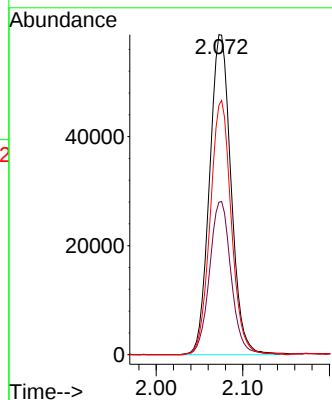
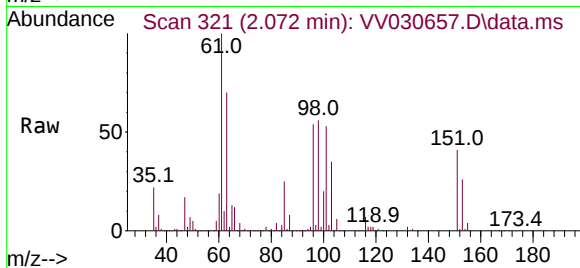




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 52.366 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV030657.D
 Acq: 19 Apr 2023 10:13

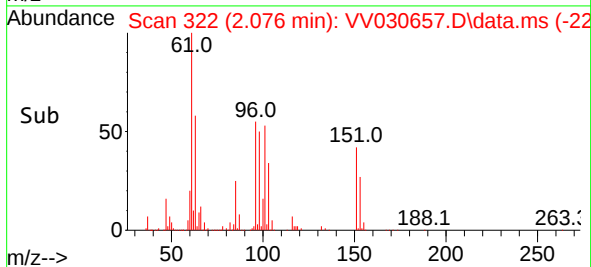
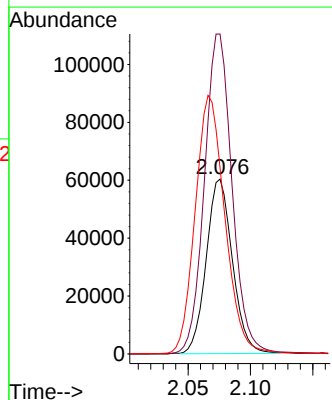
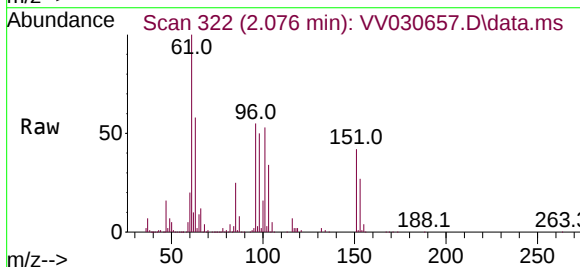
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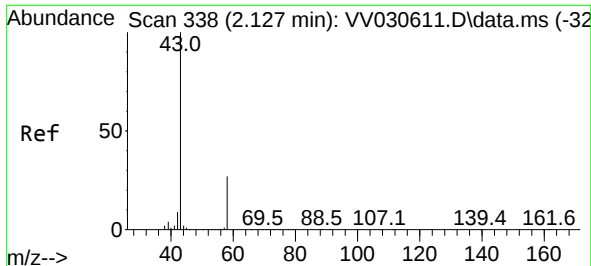
Tgt Ion:101 Resp: 101528
 Ion Ratio Lower Upper
 101 100
 85 47.8 37.5 56.3
 151 77.7 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 50.224 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV030657.D
 Acq: 19 Apr 2023 10:13

Tgt Ion: 96 Resp: 88036
 Ion Ratio Lower Upper
 96 100
 61 183.0 131.9 245.0
 63 106.5 99.8 185.3





#13

Acetone

Concen: 108.609 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.007 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

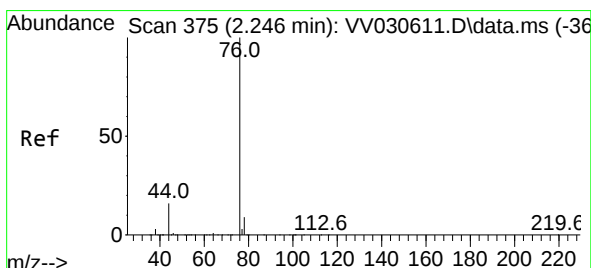
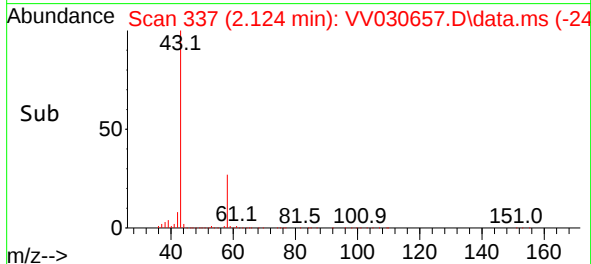
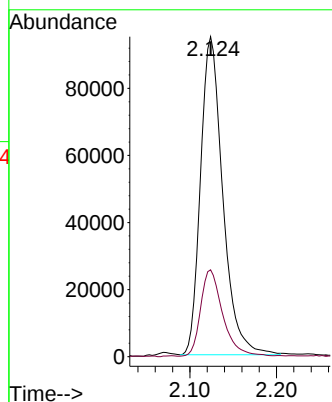
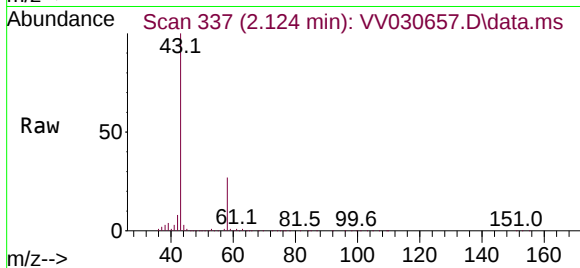
ClientSampleId :

Tgt Ion: 43 Resp: 169401

Ion Ratio Lower Upper

43 100

58 26.8 0.0 52.8



#14

Carbon disulfide

Concen: 50.264 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

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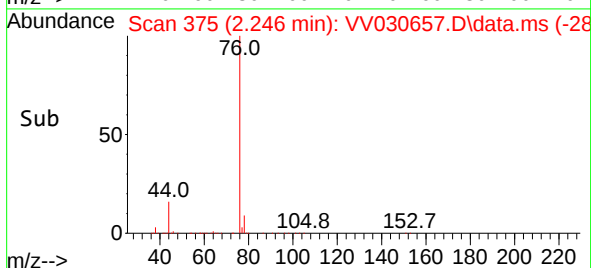
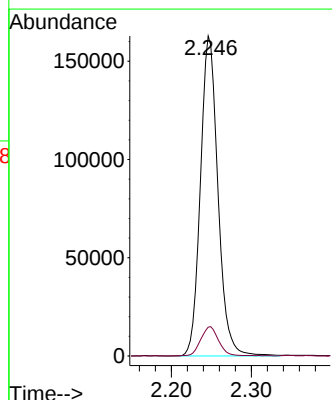
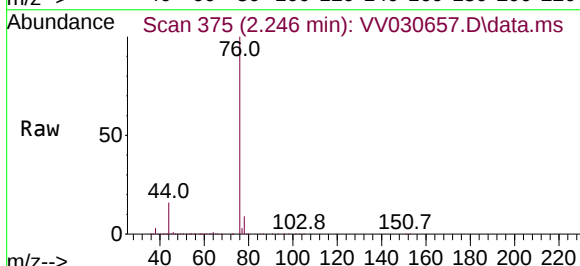
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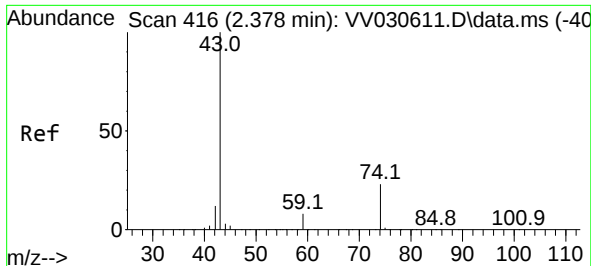
Tgt Ion: 76 Resp: 248860

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

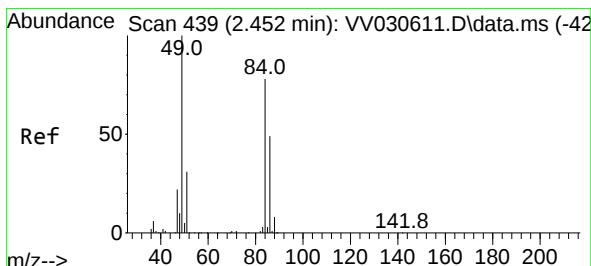
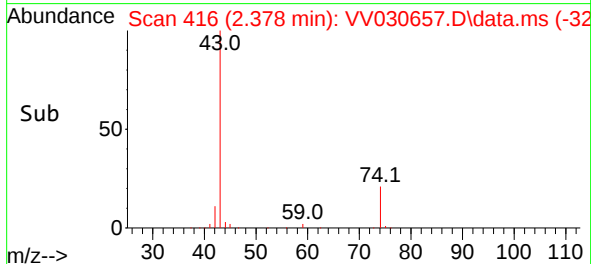
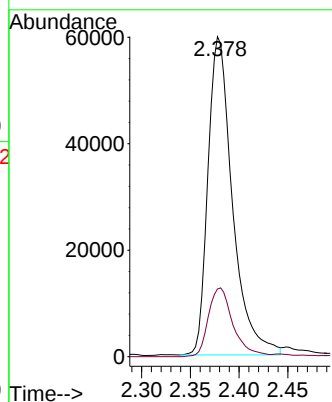
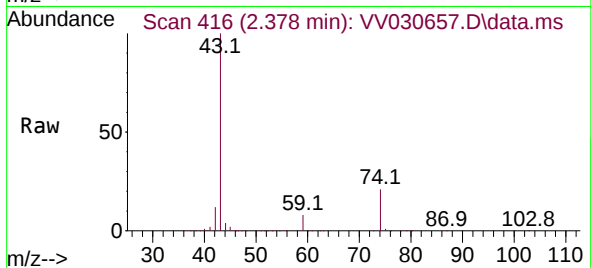




#15
Methyl Acetate
Concen: 50.359 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

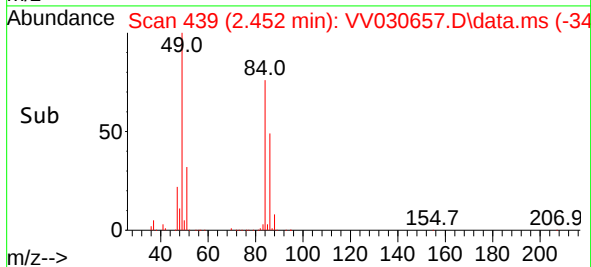
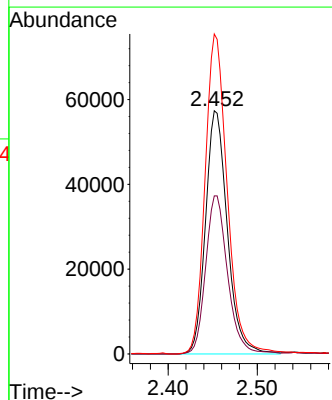
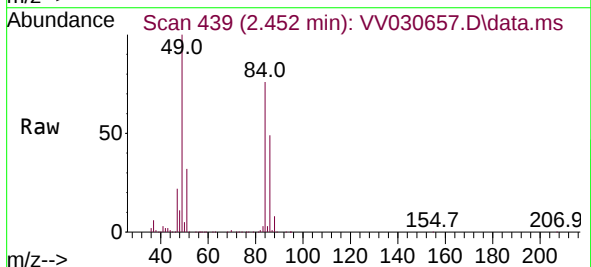
Instrument :
MSVOA_V
ClientSampleId :

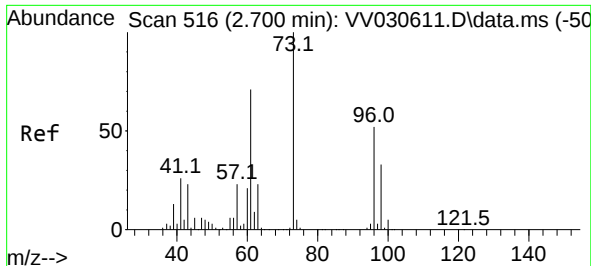
Tgt Ion: 43 Resp: 104820
Ion Ratio Lower Upper
43 100
74 21.8 17.7 26.5



#16
Methylene chloride
Concen: 48.646 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Tgt Ion: 84 Resp: 97579
Ion Ratio Lower Upper
84 100
86 65.0 45.4 84.2
49 131.6 90.4 168.0





#17

trans-1,2-Dichloroethene

Concen: 50.881 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :

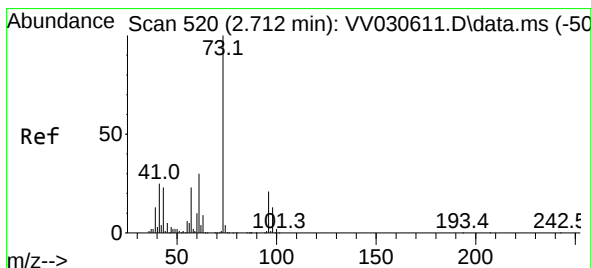
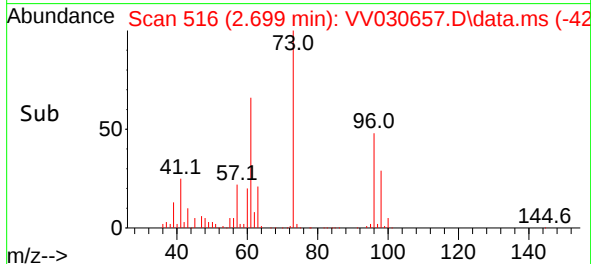
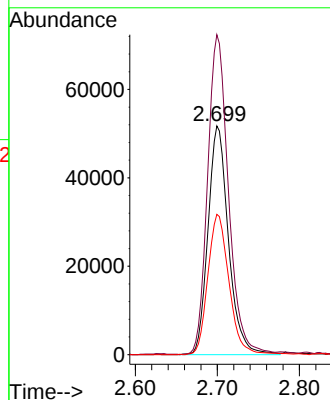
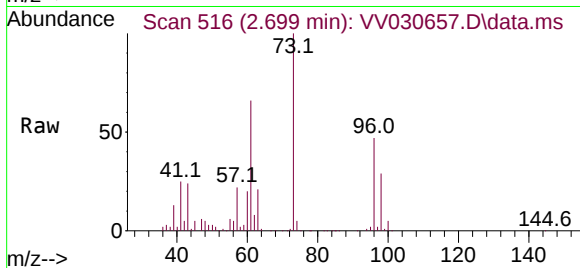
Tgt Ion: 96 Resp: 90037

Ion Ratio Lower Upper

96 100

61 139.8 101.0 187.6

98 61.3 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 53.877 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

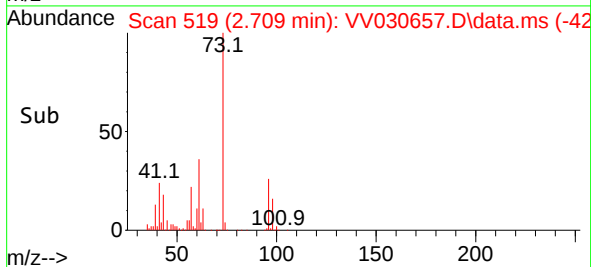
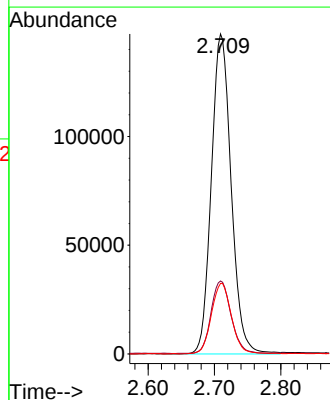
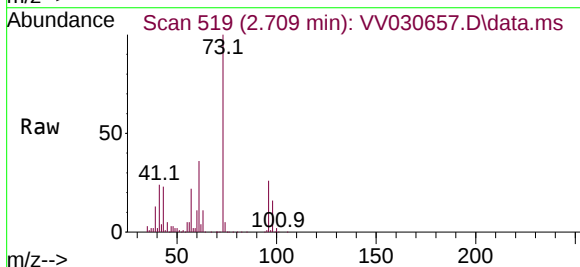
Tgt Ion: 73 Resp: 305376

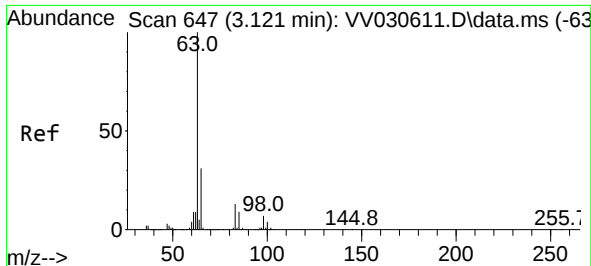
Ion Ratio Lower Upper

73 100

43 22.8 17.6 26.4

57 22.1 18.2 27.2





#19

1,1-Dichloroethane

Concen: 50.255 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

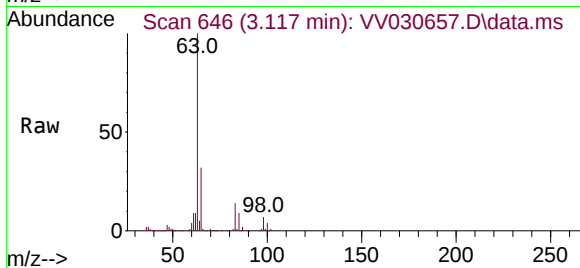
Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :



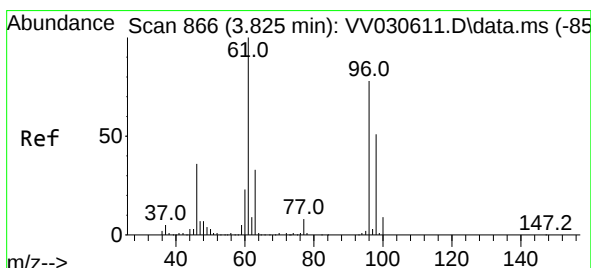
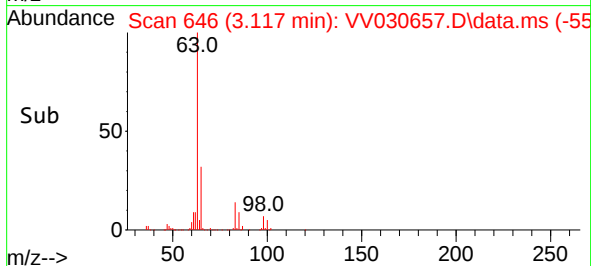
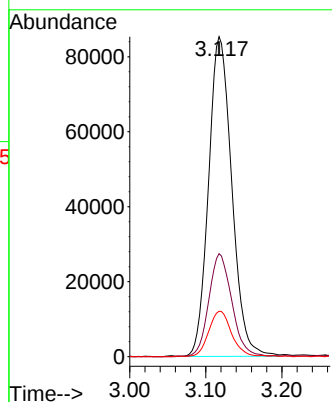
Tgt Ion: 63 Resp: 181313

Ion Ratio Lower Upper

63 100

65 32.2 21.8 40.6

83 14.2 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 51.891 ug/L

RT: 3.821 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

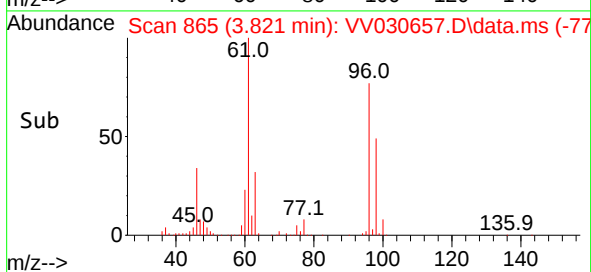
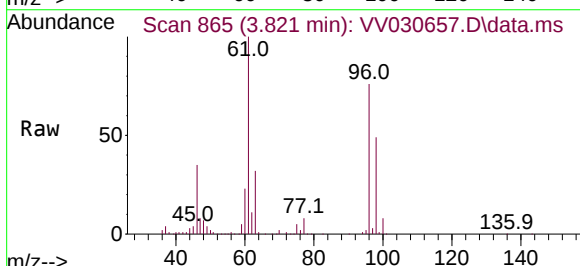
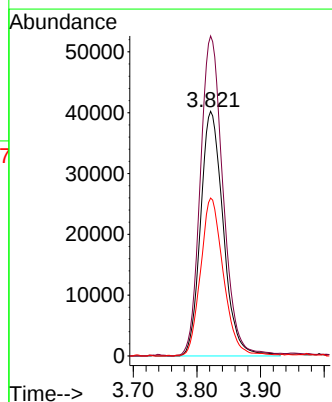
Tgt Ion: 96 Resp: 99886

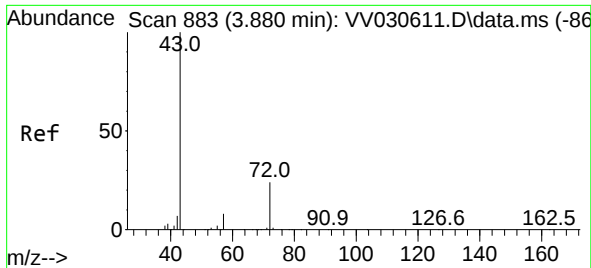
Ion Ratio Lower Upper

96 100

61 130.8 92.3 171.3

98 64.6 45.9 85.3

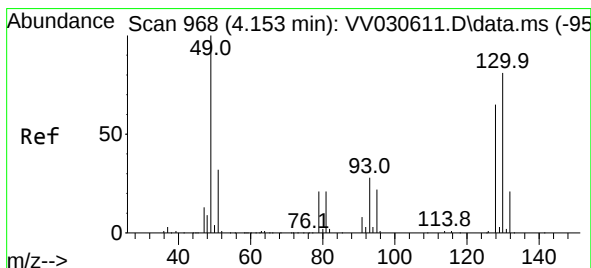
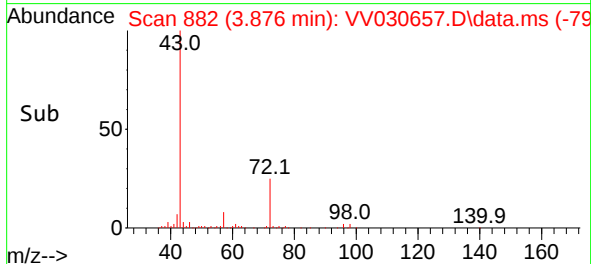
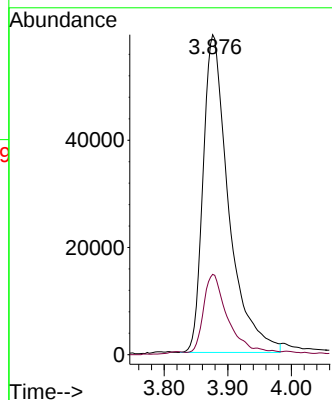
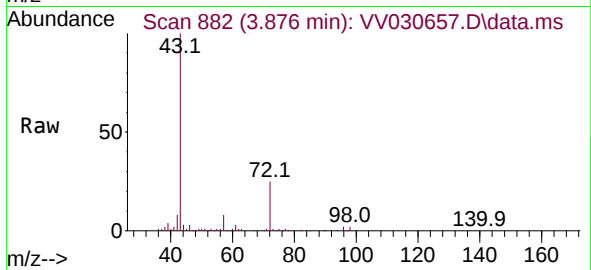




#22
2-Butanone
Concen: 102.603 ug/L
RT: 3.876 min Scan# 883
Delta R.T. -0.007 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

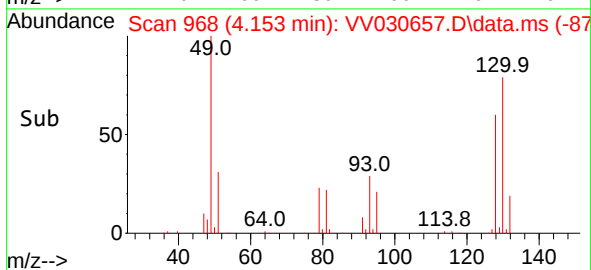
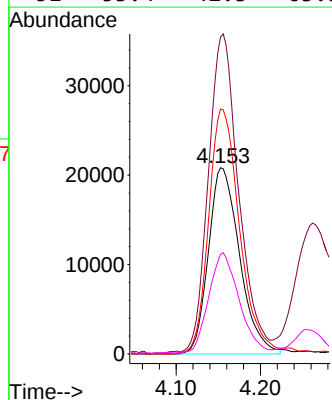
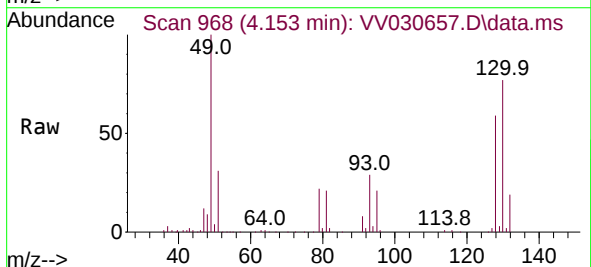
Instrument :
MSVOA_V
ClientSampleId :

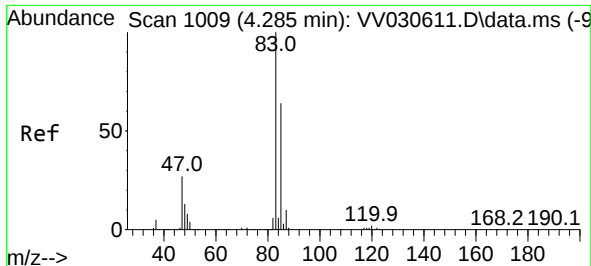
Tgt Ion: 43 Resp: 165380
Ion Ratio Lower Upper
43 100
72 22.0 11.5 34.4



#23
Bromochloromethane
Concen: 49.785 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.003 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Tgt Ion:128 Resp: 53524
Ion Ratio Lower Upper
128 100
49 170.2 114.7 213.1
130 131.6 89.0 165.2
51 53.4 42.3 63.5





#25

Chloroform

Concen: 51.556 ug/L

RT: 4.284 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

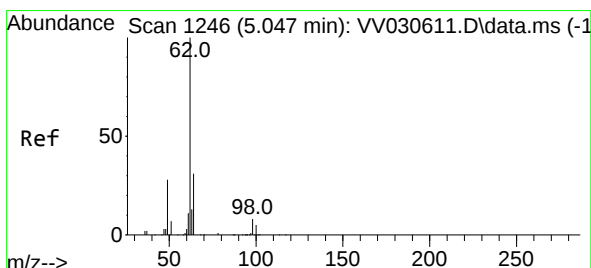
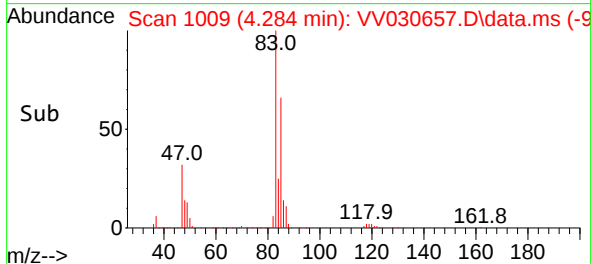
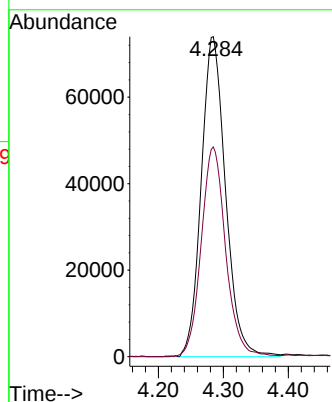
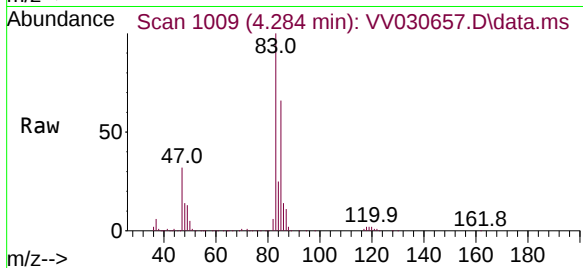
ClientSampleId :

Tgt Ion: 83 Resp: 192521

Ion Ratio Lower Upper

83 100

85 65.6 45.8 85.2



#27

1,2-Dichloroethane

Concen: 53.361 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV030657.D

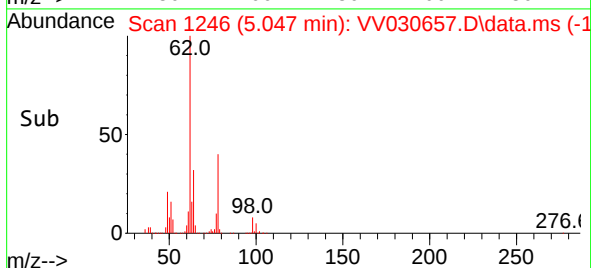
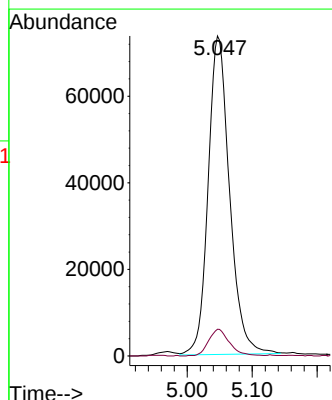
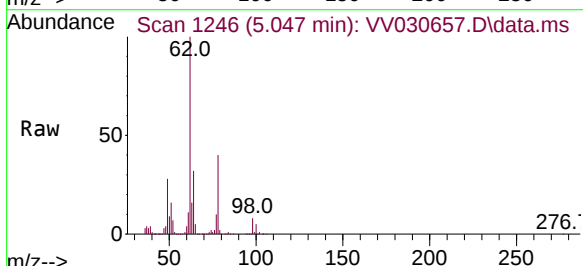
Acq: 19 Apr 2023 10:13

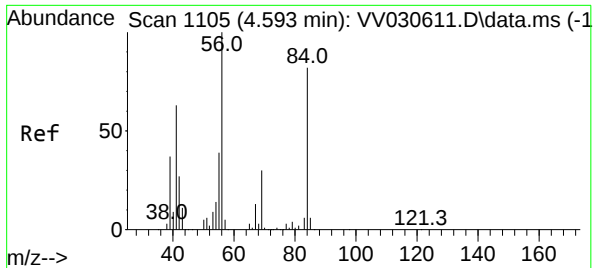
Tgt Ion: 62 Resp: 168677

Ion Ratio Lower Upper

62 100

98 8.4 6.4 9.6





#29

Cyclohexane

Concen: 55.223 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :

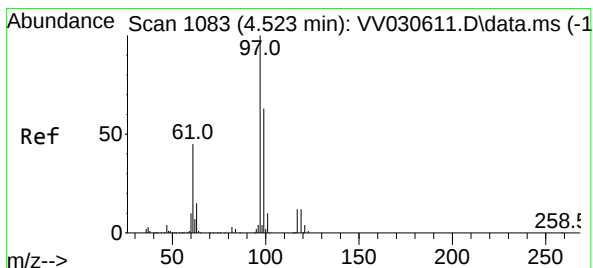
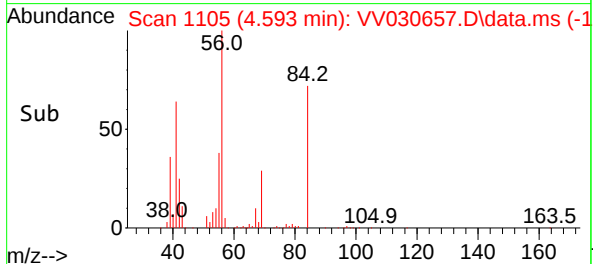
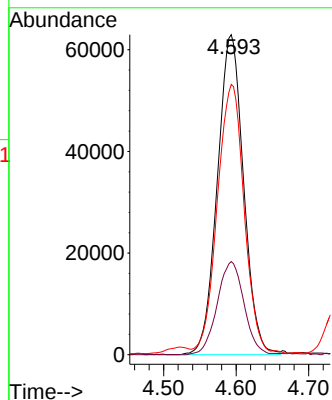
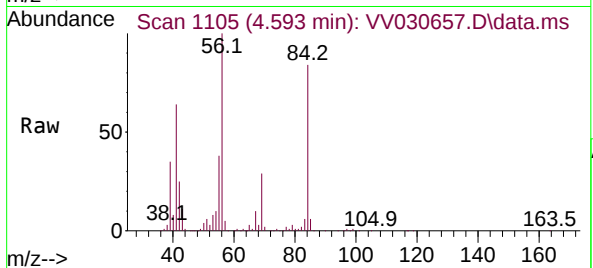
Tgt Ion: 56 Resp: 157840

Ion Ratio Lower Upper

56 100

69 29.7 24.0 36.0

84 84.2 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 52.432 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

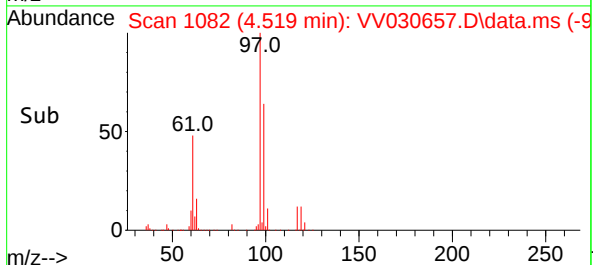
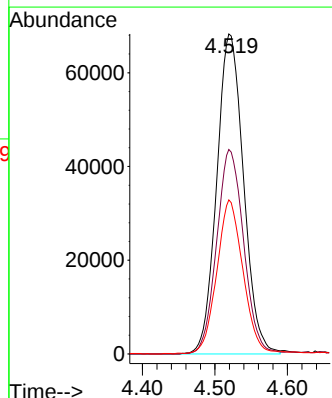
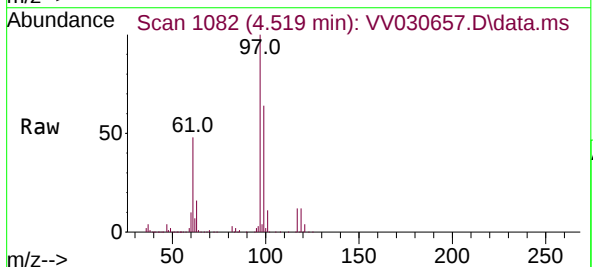
Tgt Ion: 97 Resp: 175476

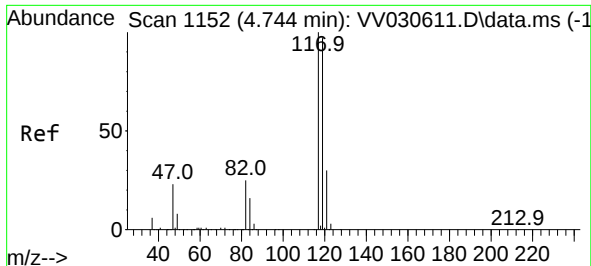
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 46.8 37.0 55.6

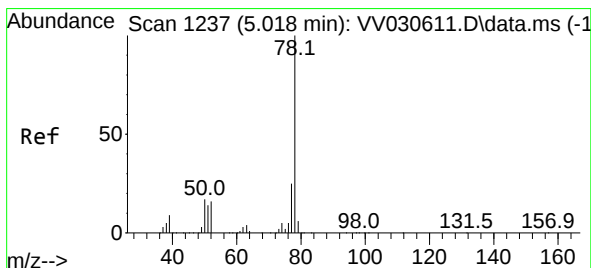
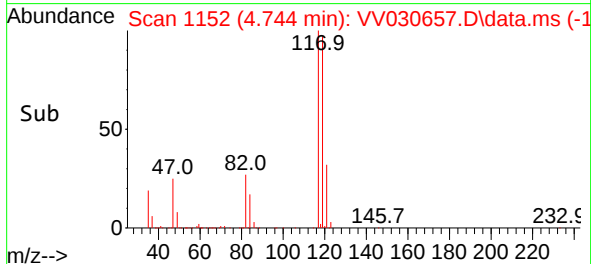
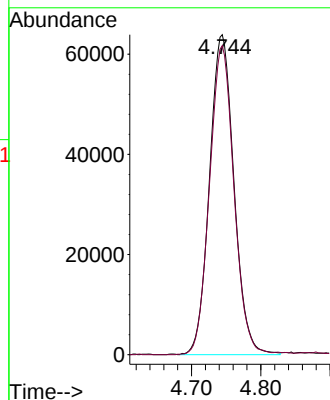
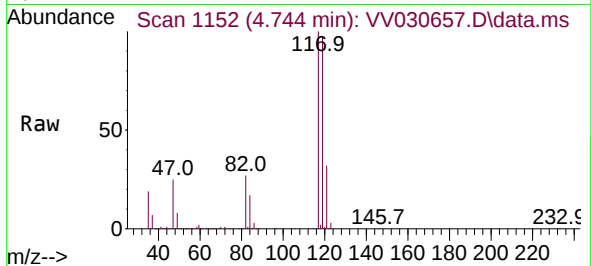




#31
Carbon tetrachloride
Concen: 52.426 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

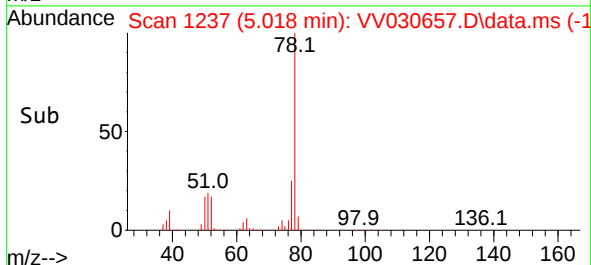
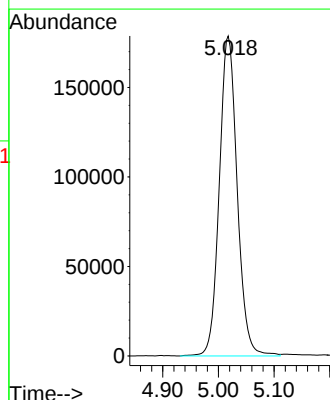
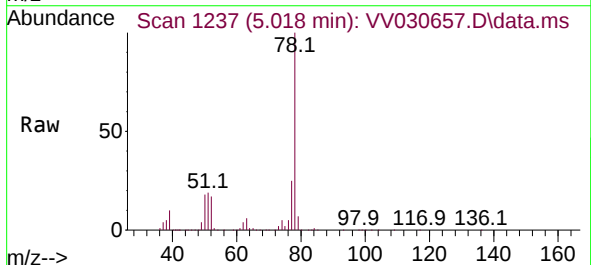
Instrument : MSVOA_V
ClientSampleId :

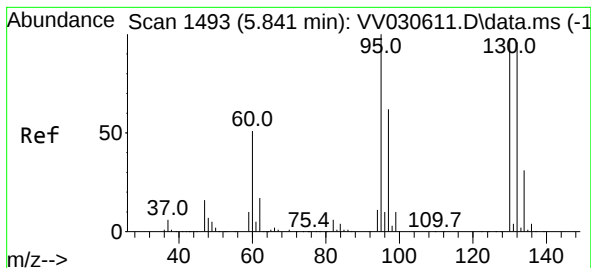
Tgt Ion:117 Resp: 156869
Ion Ratio Lower Upper
117 100
119 95.6 75.9 113.9



#33
Benzene
Concen: 55.207 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Tgt Ion: 78 Resp: 399290





#34

Trichloroethene

Concen: 53.851 ug/L

RT: 5.837 min Scan# 1492

Delta R.T. -0.003 min

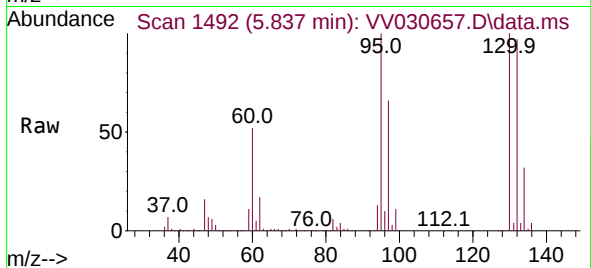
Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 101309

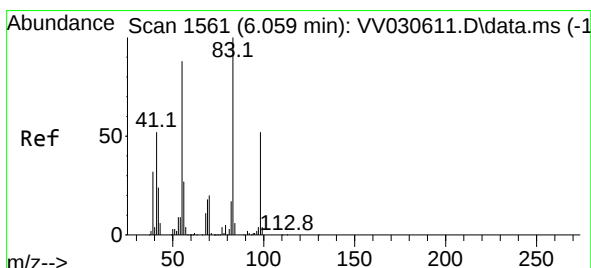
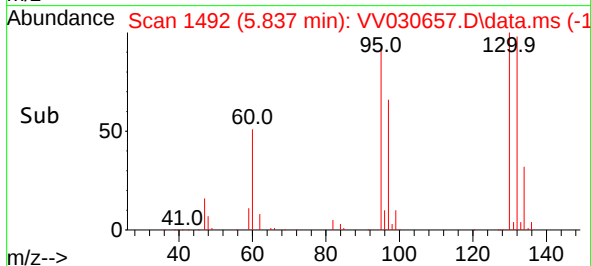
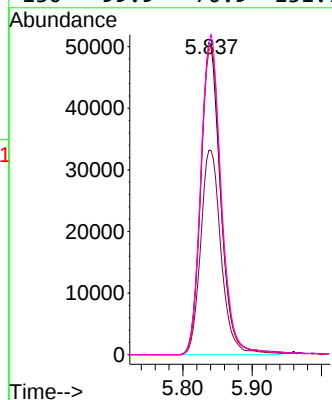
Ion Ratio Lower Upper

95 100

97 65.5 45.8 85.2

132 97.5 70.6 131.2

130 99.9 70.9 131.7



#35

Methylcyclohexane

Concen: 56.170 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

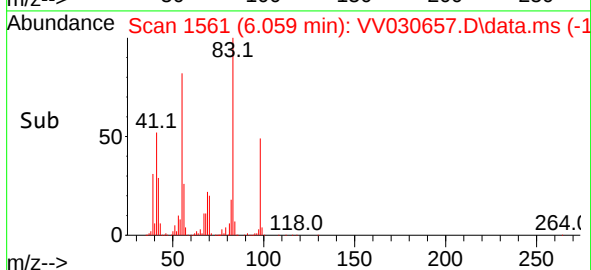
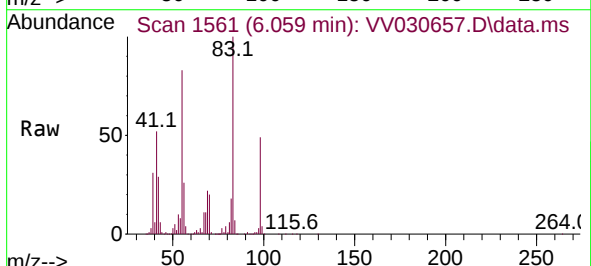
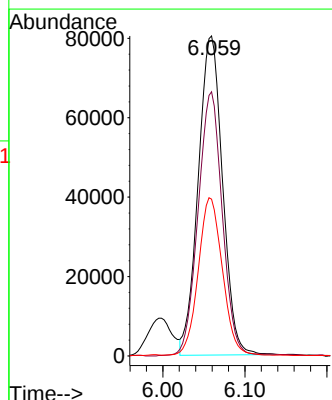
Tgt Ion: 83 Resp: 165580

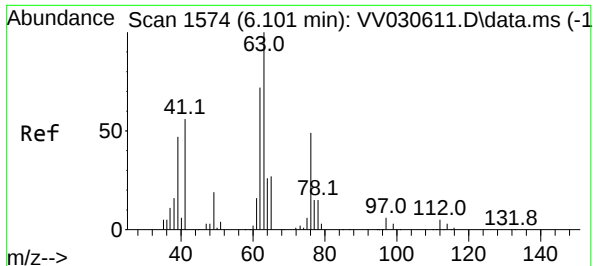
Ion Ratio Lower Upper

83 100

55 82.6 65.5 98.3

98 49.1 38.7 58.1





#37

1,2-Dichloropropane

Concen: 50.813 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

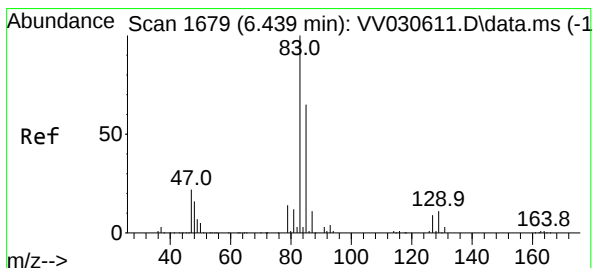
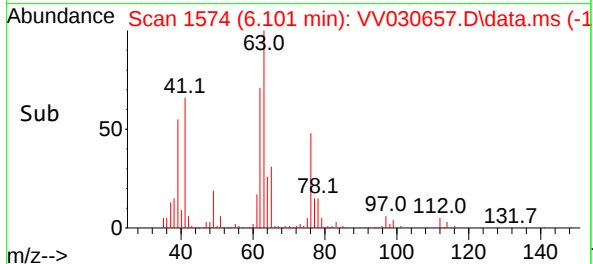
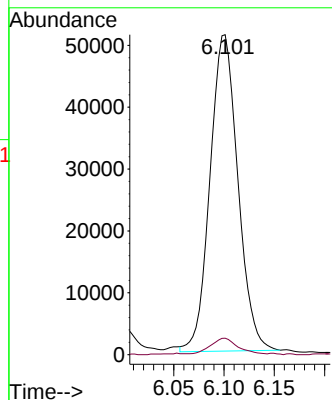
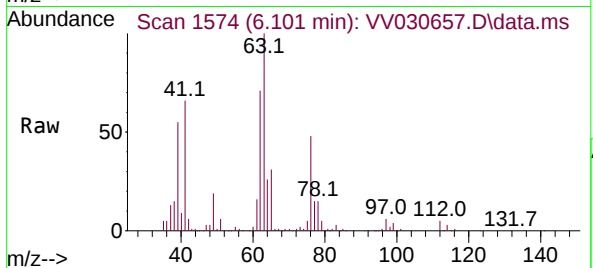
ClientSampleId :

Tgt Ion: 63 Resp: 98917

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.8



#38

Bromodichloromethane

Concen: 53.101 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

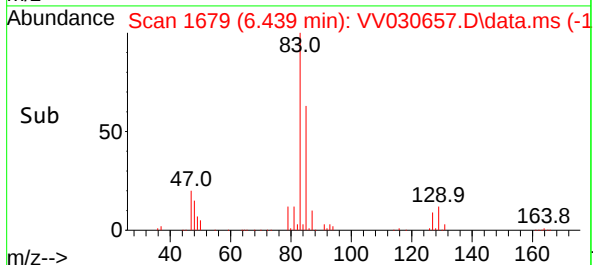
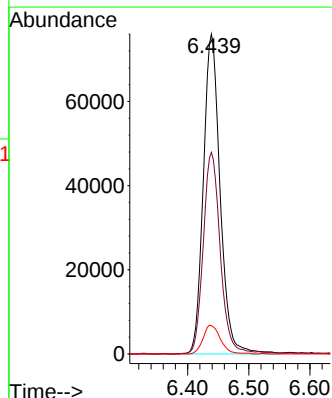
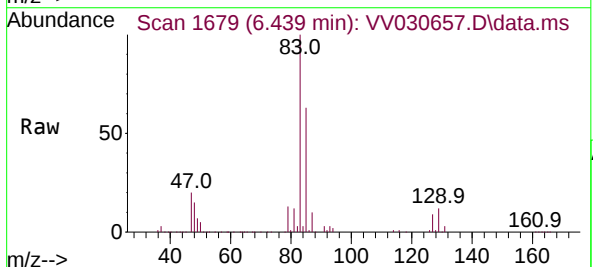
Tgt Ion: 83 Resp: 145211

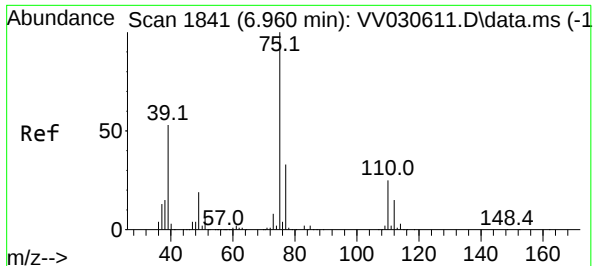
Ion Ratio Lower Upper

83 100

85 63.0 45.4 84.4

127 8.9 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 54.974 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

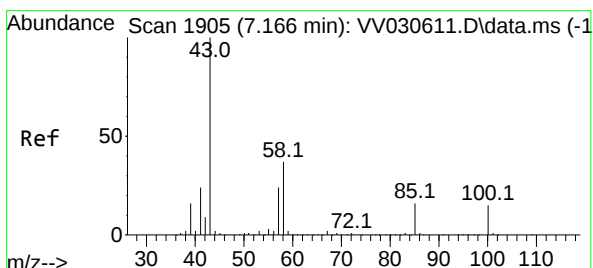
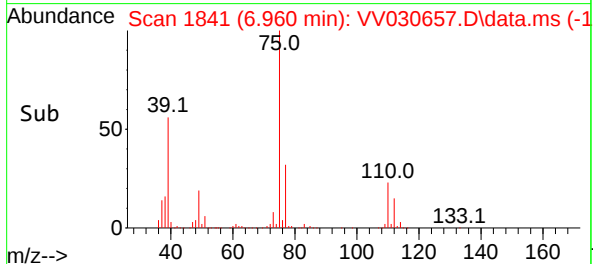
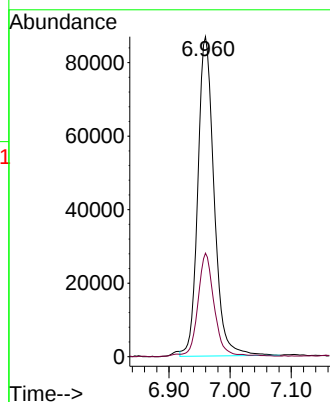
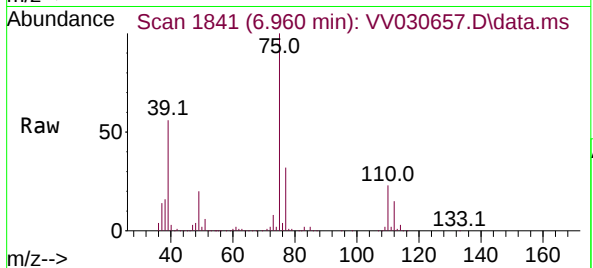
ClientSampleId :

Tgt Ion: 75 Resp: 160621

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 109.819 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

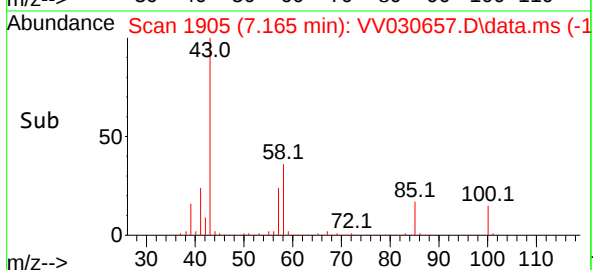
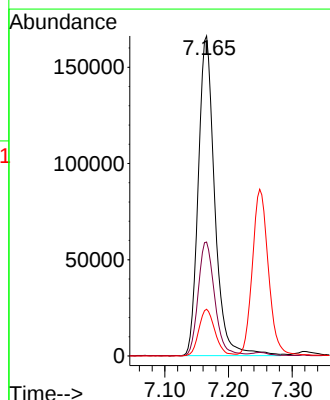
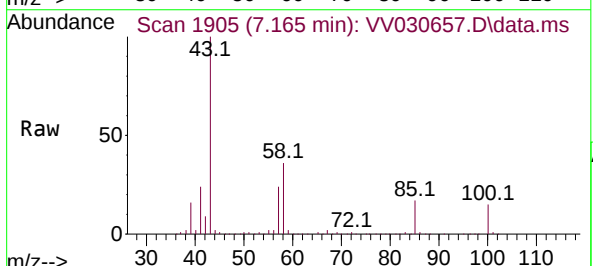
Tgt Ion: 43 Resp: 298634

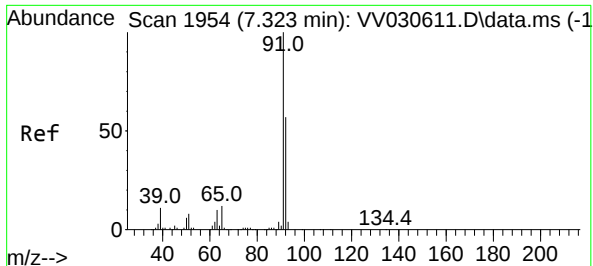
Ion Ratio Lower Upper

43 100

58 35.9 29.2 43.8

100 14.4 11.3 16.9

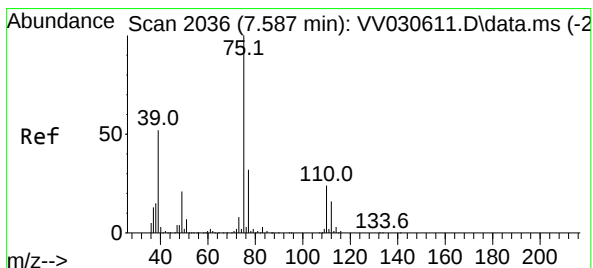
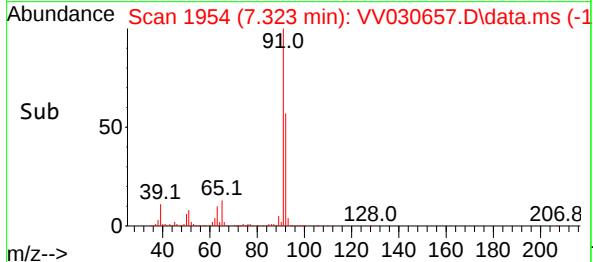
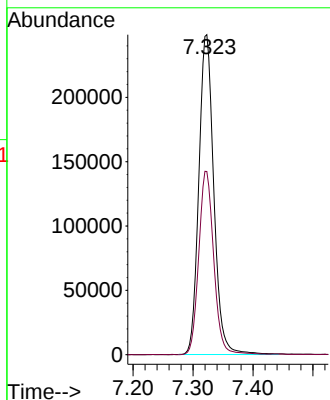
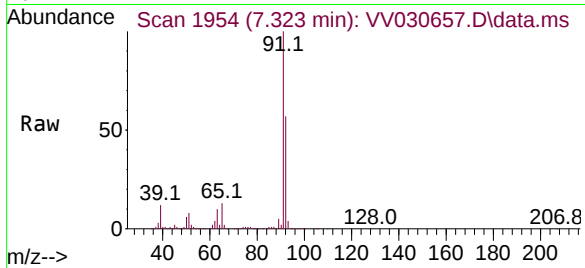




#42
Toluene
Concen: 55.934 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.003 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

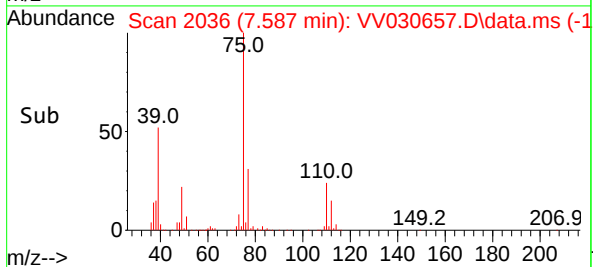
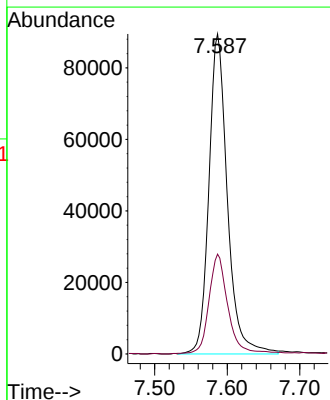
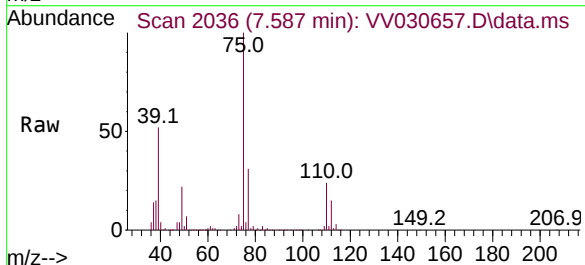
Instrument :
MSVOA_V
ClientSampleId :

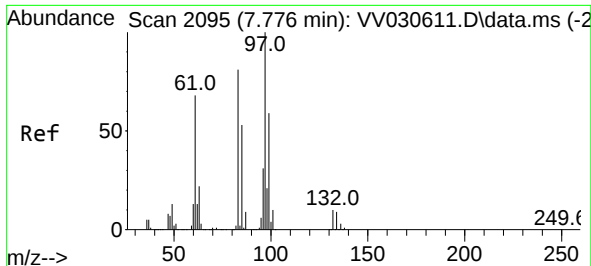
Tgt Ion: 91 Resp: 433318
Ion Ratio Lower Upper
91 100
92 57.2 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 55.174 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Tgt Ion: 75 Resp: 158378
Ion Ratio Lower Upper
75 100
77 31.2 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 52.463 ug/L

RT: 7.773 min Scan# 2095

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 102410

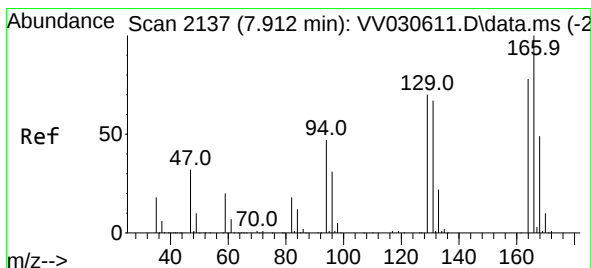
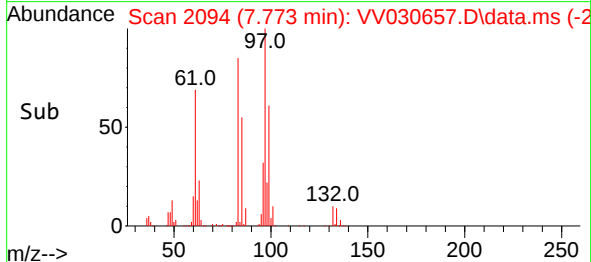
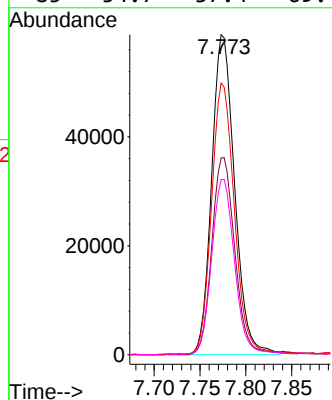
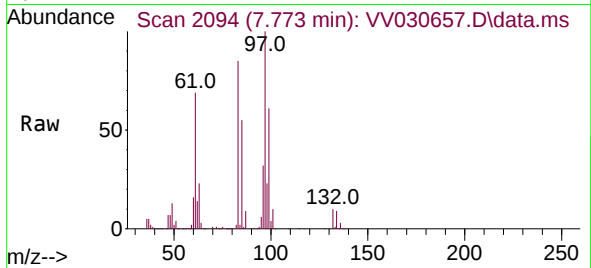
Ion Ratio Lower Upper

97 100

99 61.5 43.8 81.4

83 84.9 59.6 110.6

85 54.7 37.4 69.4



#46

Tetrachloroethene

Concen: 53.768 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Tgt Ion:164 Resp: 88540

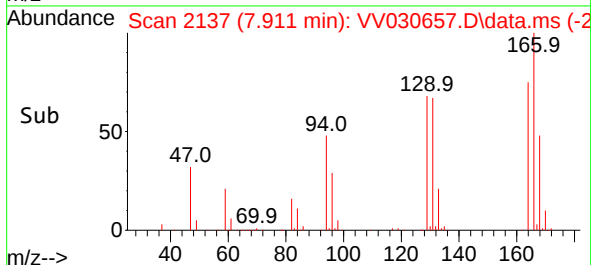
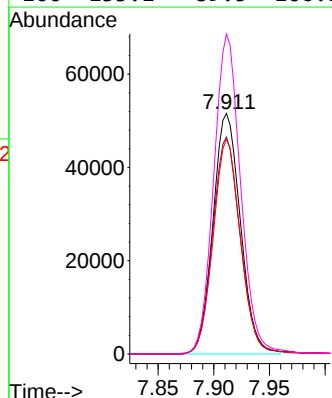
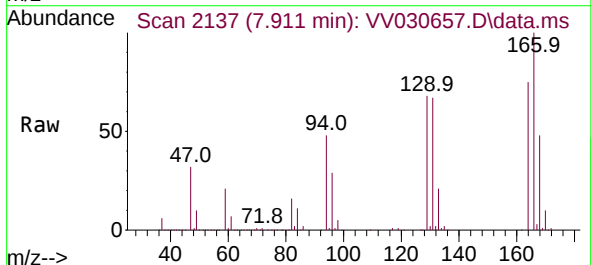
Ion Ratio Lower Upper

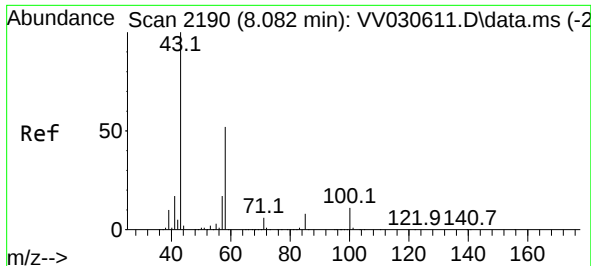
164 100

129 90.3 63.8 118.6

131 89.4 60.3 111.9

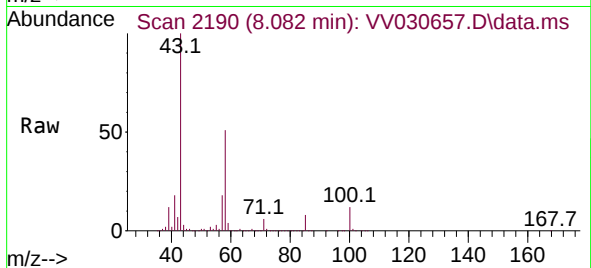
166 133.1 89.5 166.1





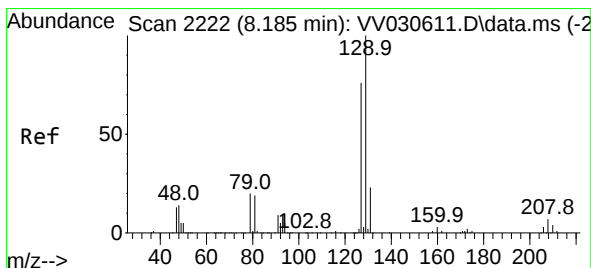
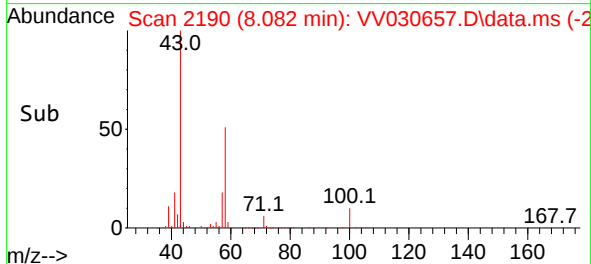
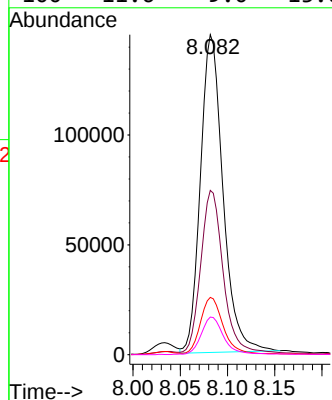
#48
2-Hexanone
Concen: 107.049 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 240194

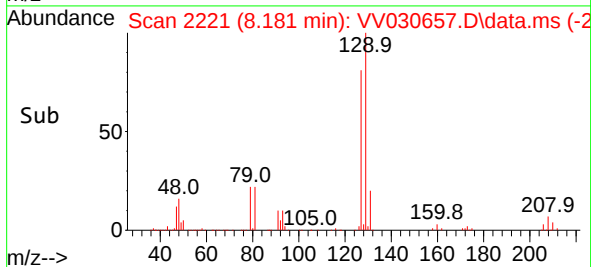
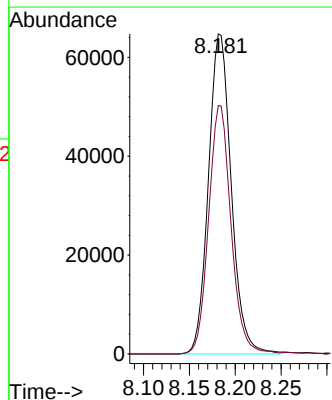
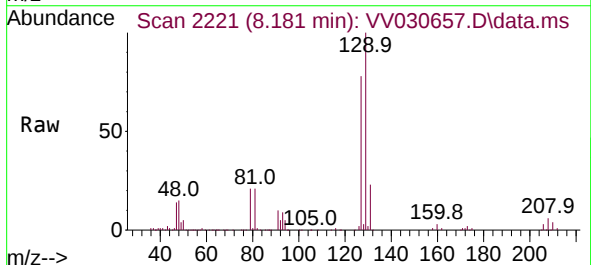
Ion	Ratio	Lower	Upper
43	100		
58	51.5	41.4	62.0
57	17.6	14.9	22.3
100	11.6	9.0	13.6

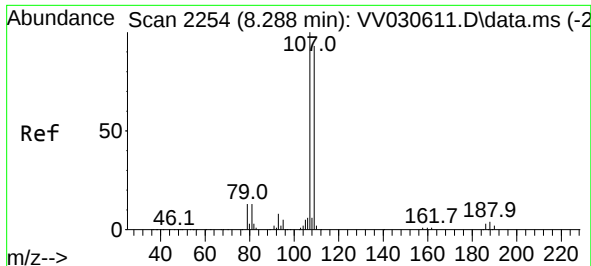


#49
Dibromochloromethane
Concen: 52.060 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.003 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Tgt Ion: 129 Resp: 112093

Ion	Ratio	Lower	Upper
129	100		
127	77.6	52.8	98.2





#50

1,2-Dibromoethane

Concen: 52.446 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :

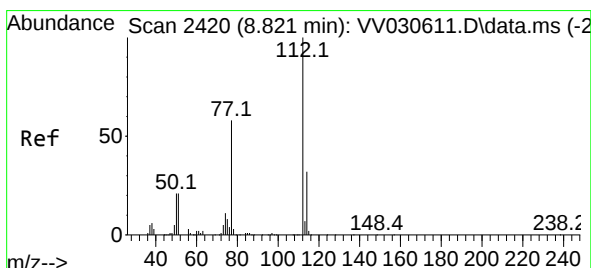
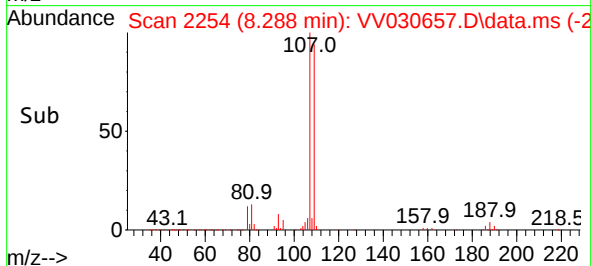
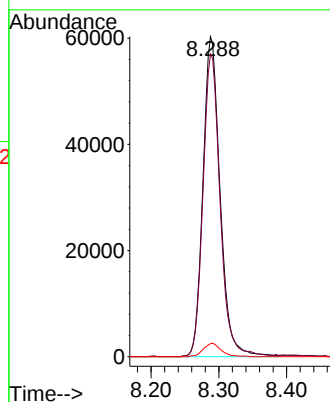
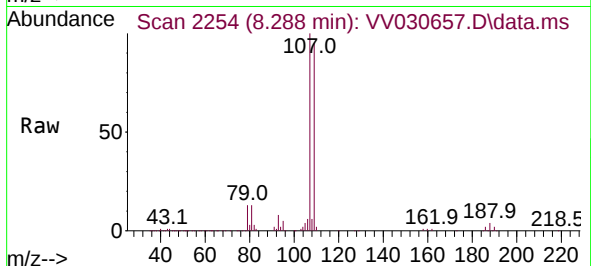
Tgt Ion:107 Resp: 106077

Ion Ratio Lower Upper

107 100

109 94.5 65.7 121.9

188 4.1 3.2 4.8



#51

Chlorobenzene

Concen: 58.790 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

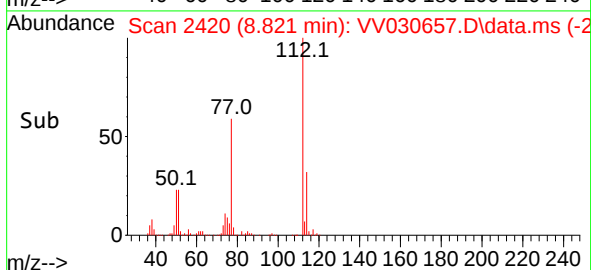
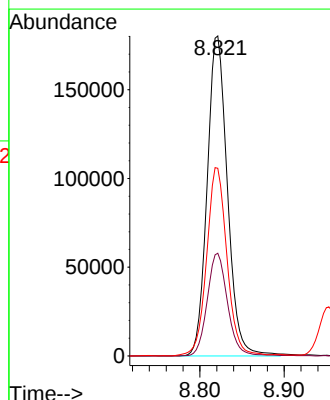
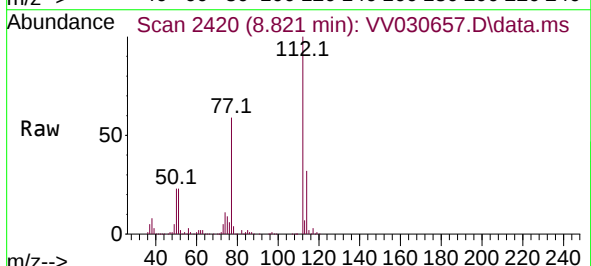
Tgt Ion:112 Resp: 301629

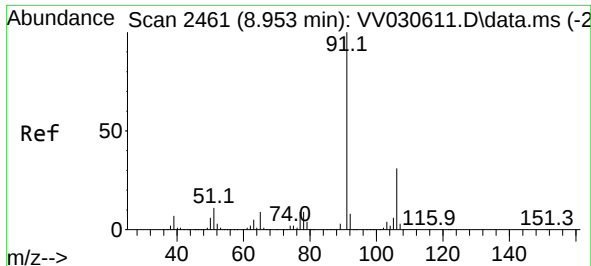
Ion Ratio Lower Upper

112 100

114 32.1 22.4 41.6

77 58.7 47.4 71.0





#52

Ethylbenzene

Concen: 55.883 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

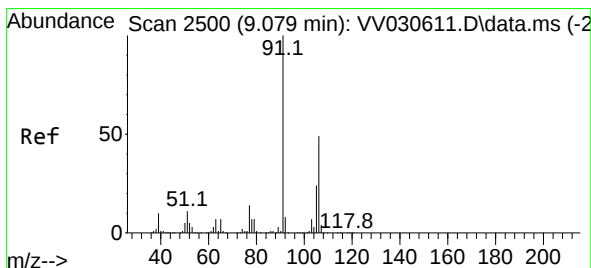
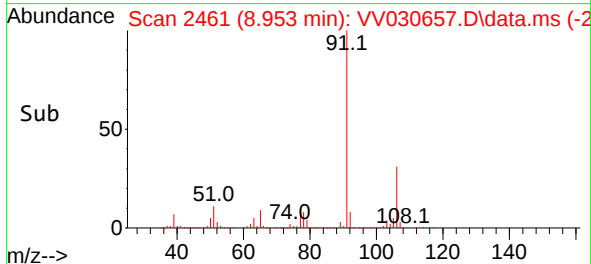
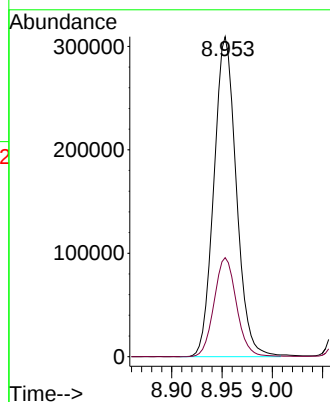
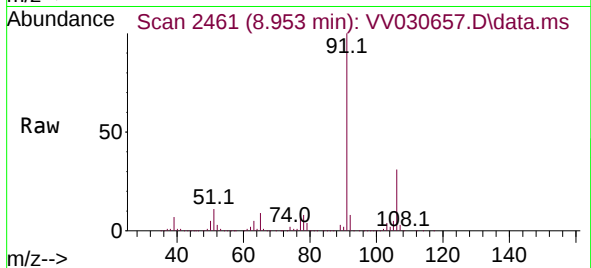
ClientSampleId :

Tgt Ion: 91 Resp: 479263

Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.4



#53

m,p-Xylene

Concen: 56.805 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV030657.D

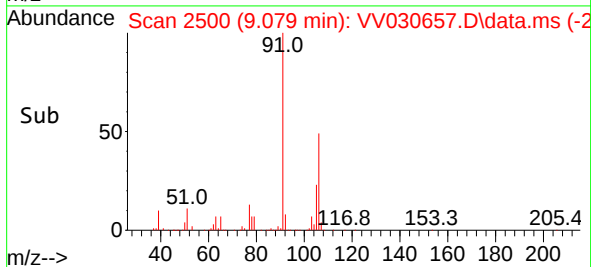
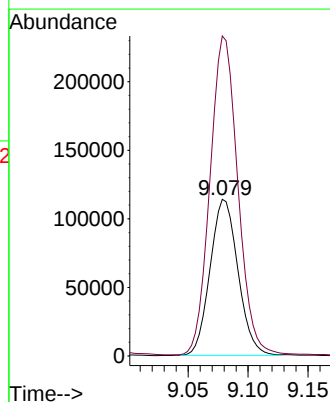
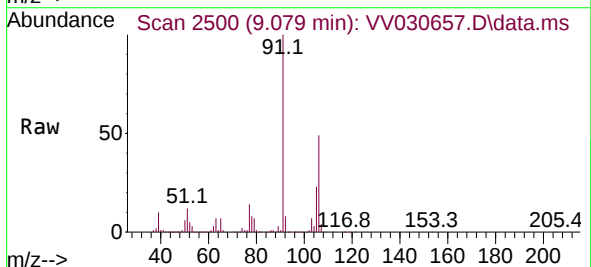
Acq: 19 Apr 2023 10:13

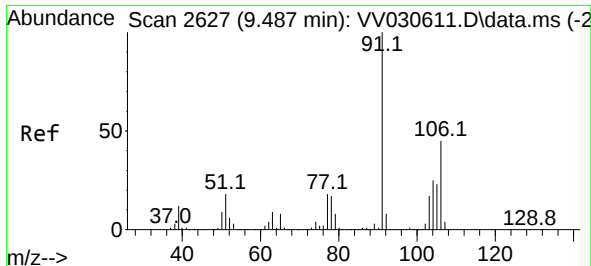
Tgt Ion: 106 Resp: 184018

Ion Ratio Lower Upper

106 100

91 204.4 144.7 268.7

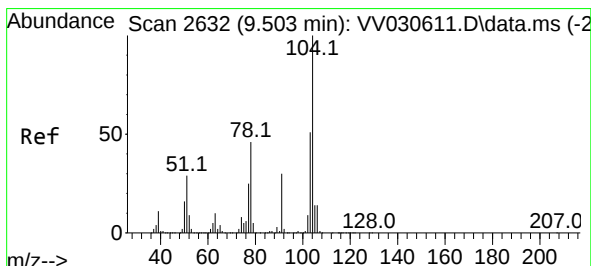
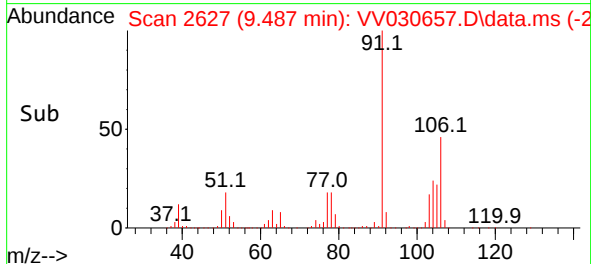
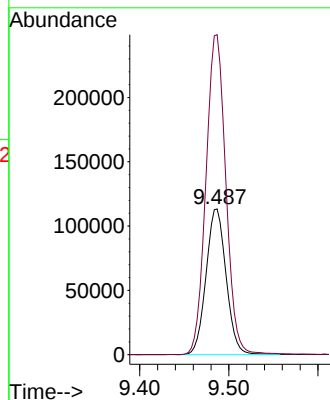
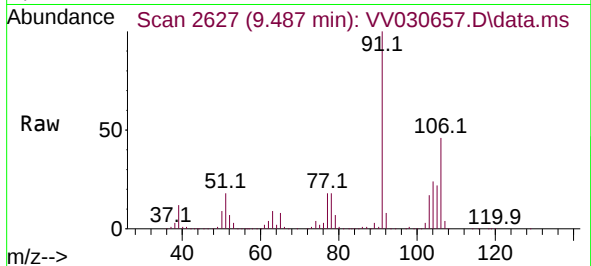




#54
o-Xylene
Concen: 55.916 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

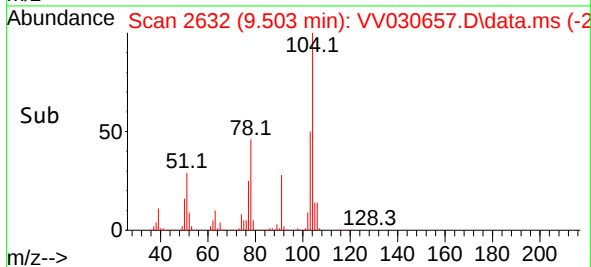
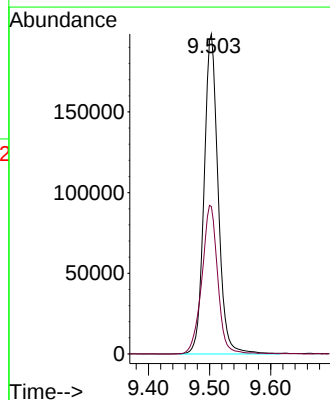
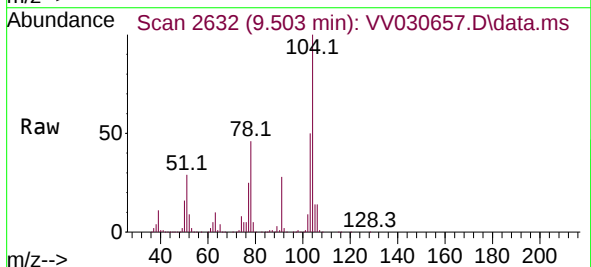
Instrument :
MSVOA_V
ClientSampleId :

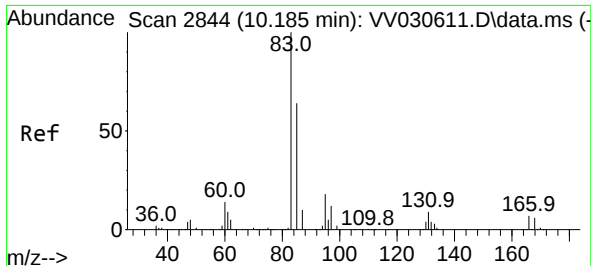
Tgt Ion:106 Resp: 177205
Ion Ratio Lower Upper
106 100
91 219.4 152.6 283.4



#55
Styrene
Concen: 56.862 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Tgt Ion:104 Resp: 316541
Ion Ratio Lower Upper
104 100
78 46.1 32.3 59.9

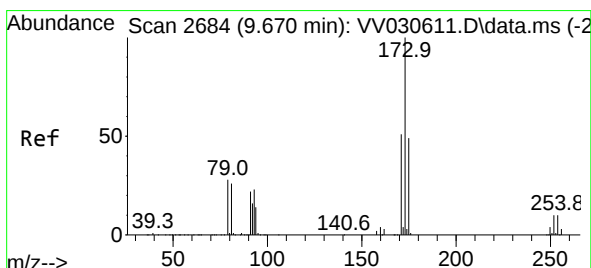
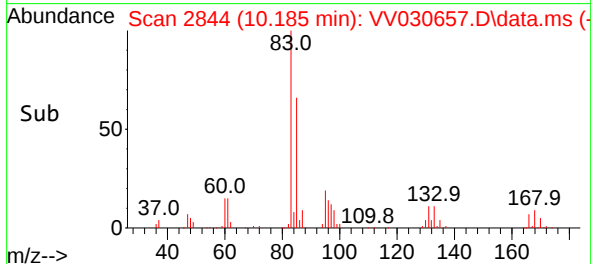
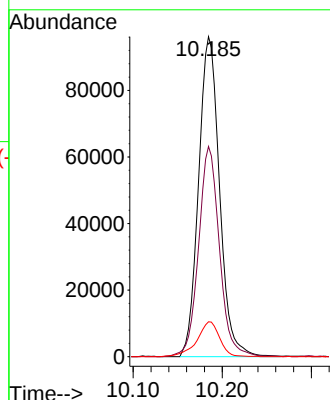
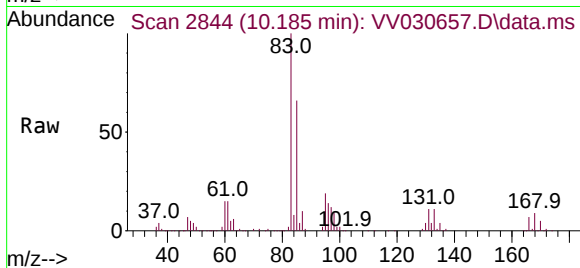




#57
1,1,2,2-Tetrachloroethane
Concen: 49.115 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

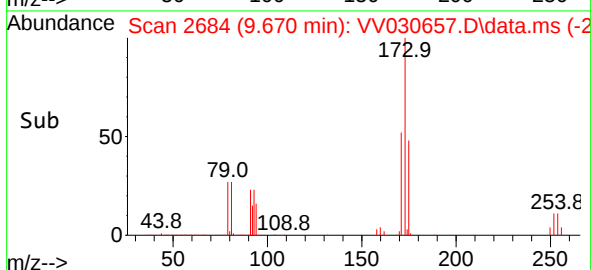
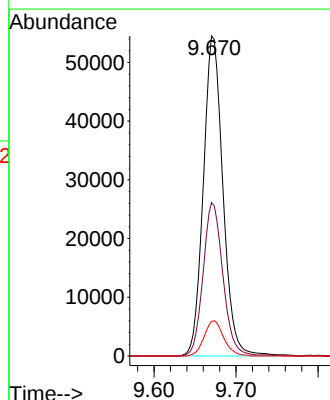
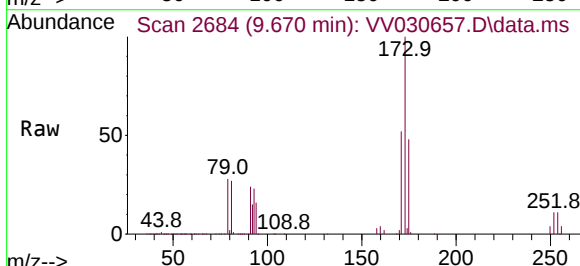
Instrument :
MSVOA_V
ClientSampleId :

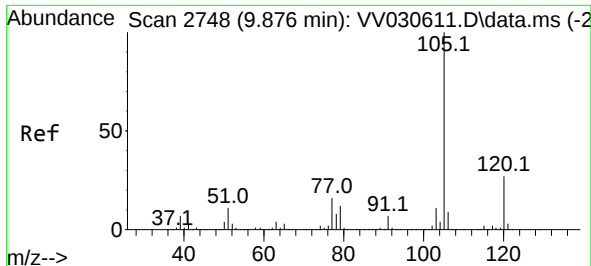
Tgt Ion: 83 Resp: 157410
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.7
131 10.9 8.0 12.0



#59
Bromoform
Concen: 52.806 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.003 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

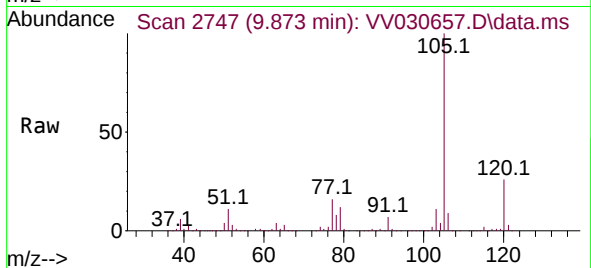
Tgt Ion: 173 Resp: 90530
Ion Ratio Lower Upper
173 100
175 48.2 38.8 58.2
254 11.0 8.2 12.4



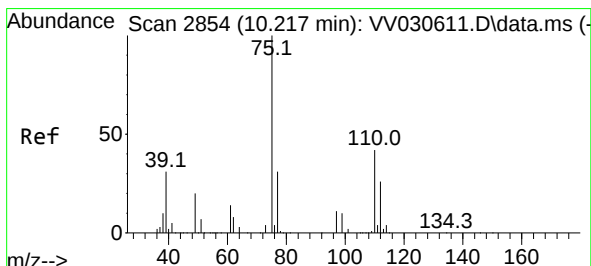
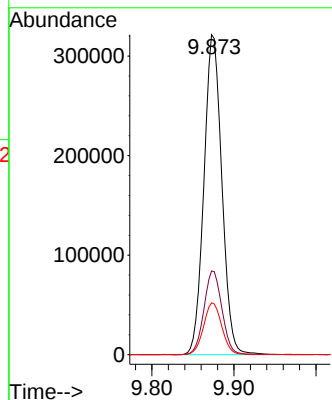
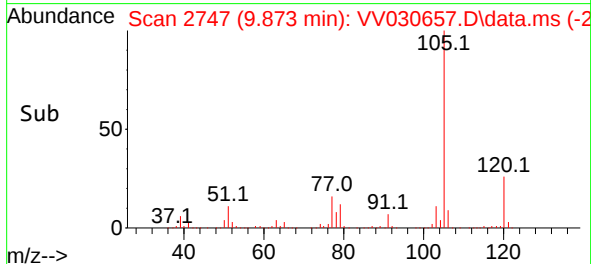


#60
Isopropylbenzene
Concen: 57.159 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

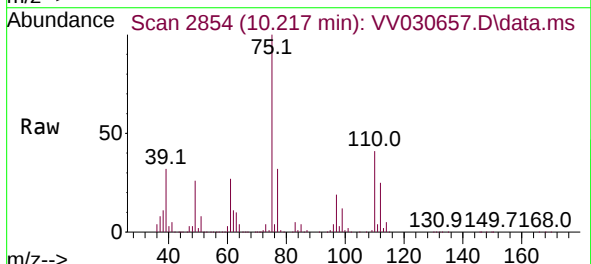
Instrument :
MSVOA_V
ClientSampleId :



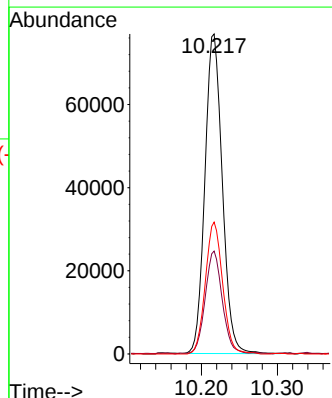
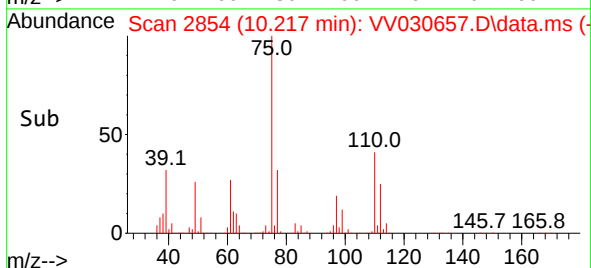
Tgt Ion:105 Resp: 488127
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 16.3 13.0 19.6

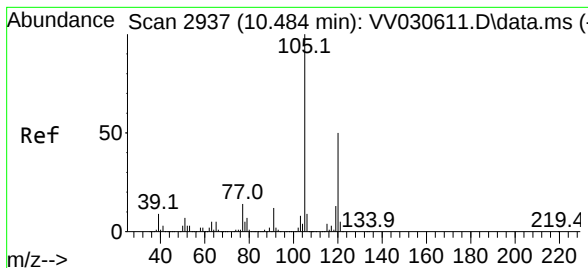


#61
1,2,3-Trichloropropane
Concen: 49.797 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13



Tgt Ion: 75 Resp: 122128
Ion Ratio Lower Upper
75 100
77 31.2 25.7 38.5
110 40.9 32.8 49.2

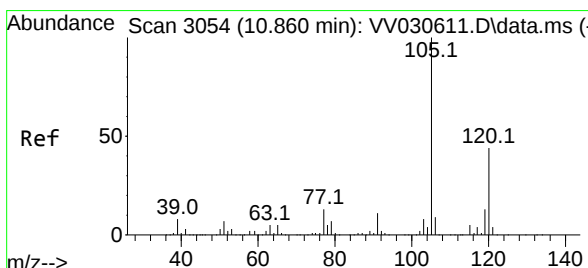
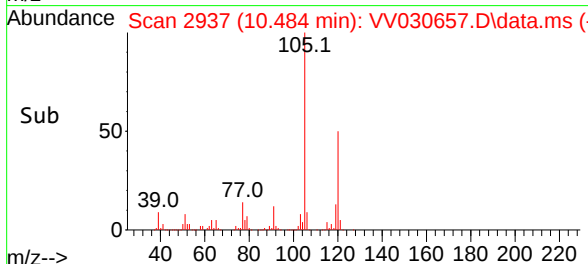
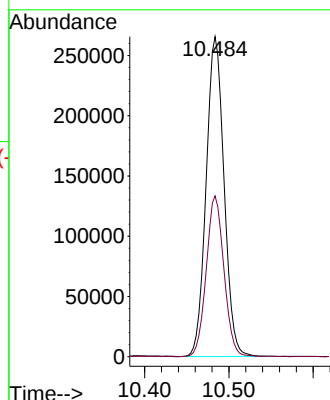
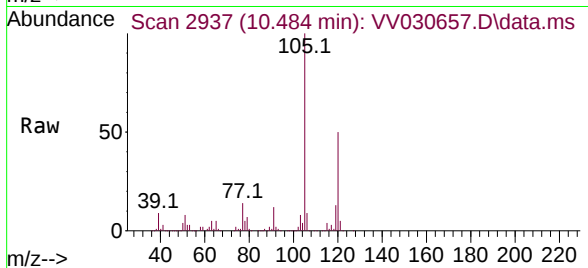




#62
 1,3,5-Trimethylbenzene
 Concen: 55.874 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV030657.D
 Acq: 19 Apr 2023 10:13

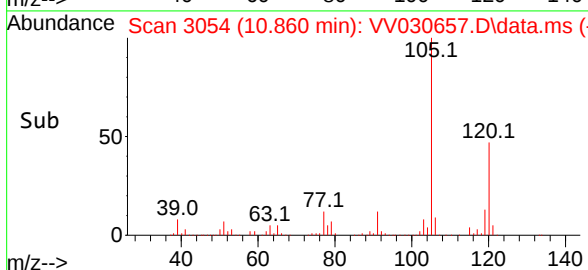
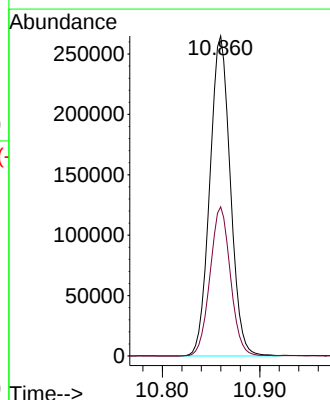
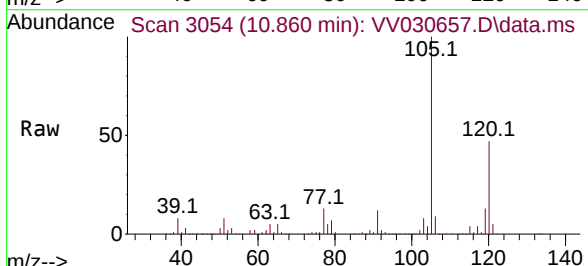
Instrument :
 MSVOA_V
 ClientSampleId :

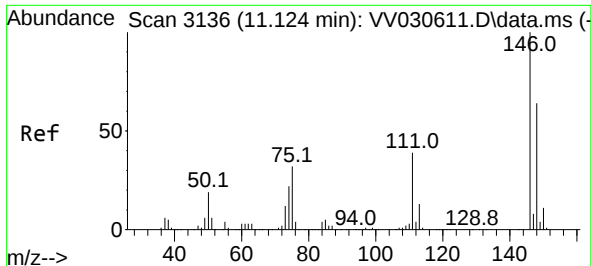
Tgt Ion:105 Resp: 392857
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 55.204 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV030657.D
 Acq: 19 Apr 2023 10:13

Tgt Ion:105 Resp: 387552
 Ion Ratio Lower Upper
 105 100
 120 46.3 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 54.125 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

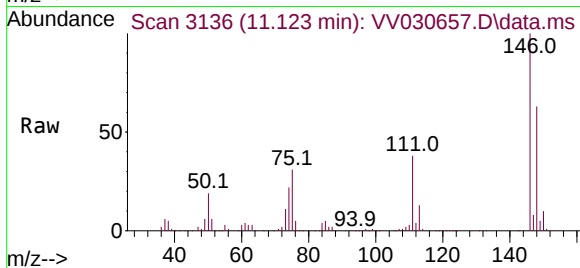
Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :



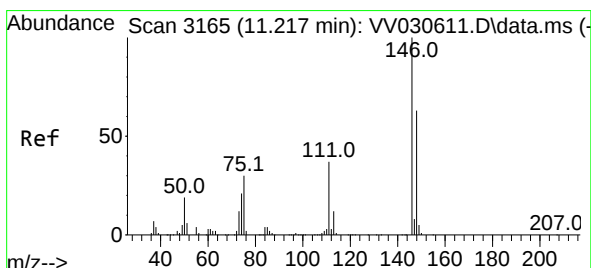
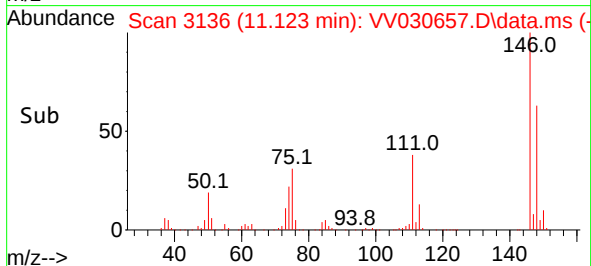
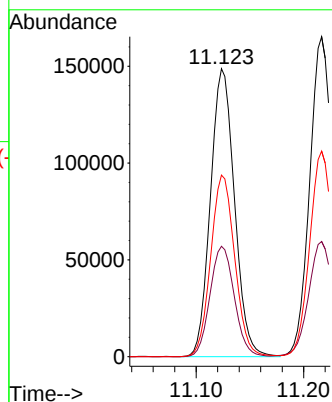
Tgt Ion:146 Resp: 231411

Ion Ratio Lower Upper

146 100

111 38.3 27.0 50.2

148 63.0 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 56.551 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

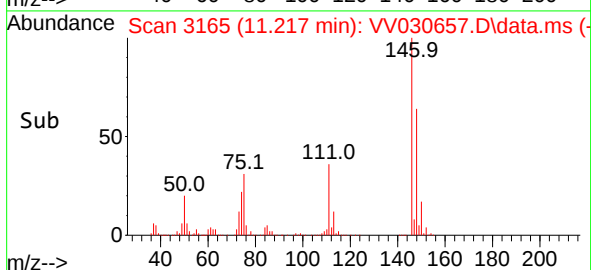
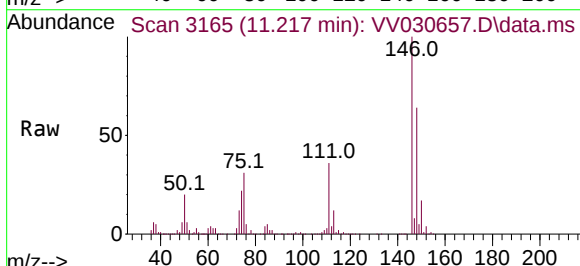
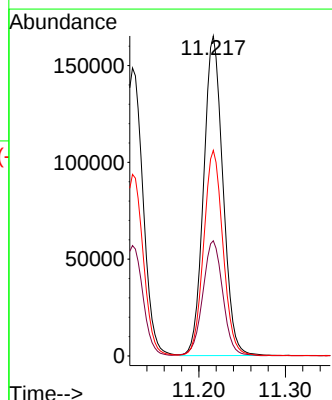
Tgt Ion:146 Resp: 254958

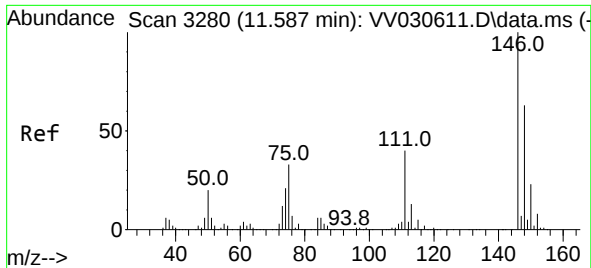
Ion Ratio Lower Upper

146 100

111 36.0 26.5 49.1

148 64.3 44.7 83.1

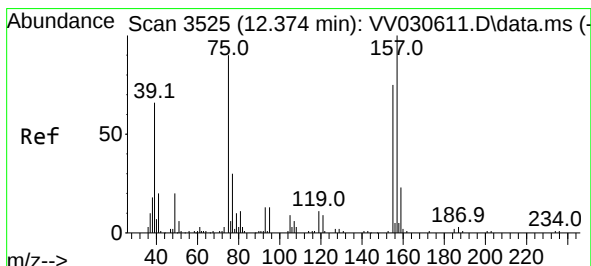
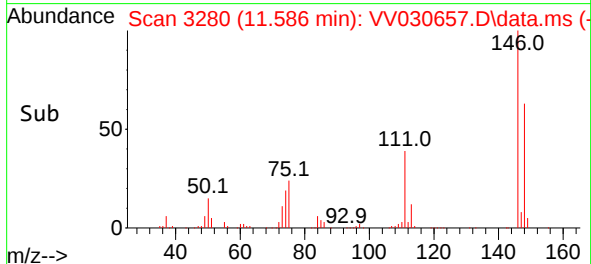
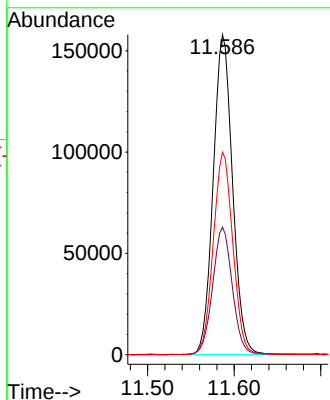
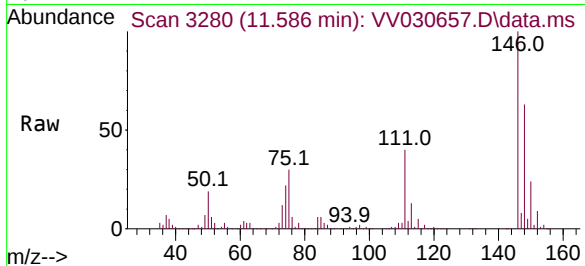




#67
1,2-Dichlorobenzene
Concen: 56.674 ug/L
RT: 11.586 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

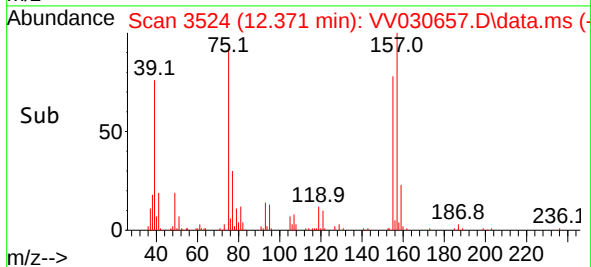
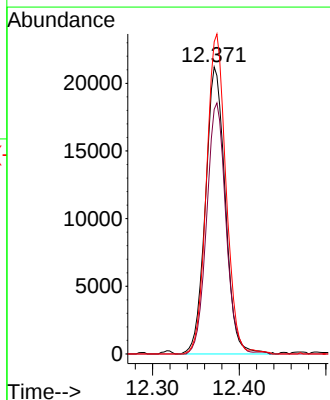
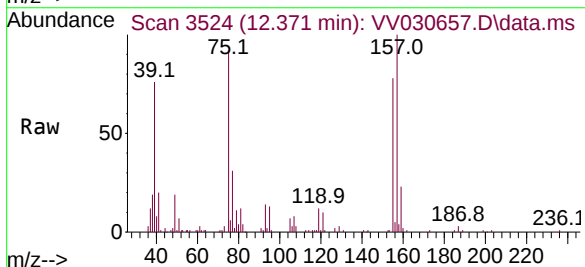
Instrument :
MSVOA_V
ClientSampleId :

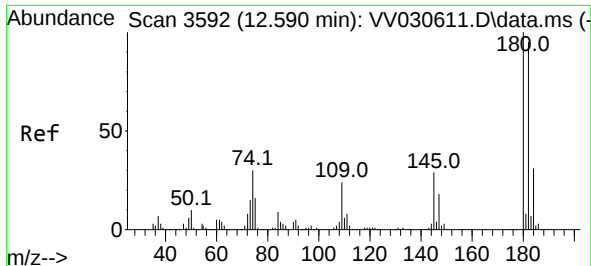
Tgt Ion:146 Resp: 244448
Ion Ratio Lower Upper
146 100
111 39.8 32.0 48.0
148 63.2 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 46.389 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.003 min
Lab File: VV030657.D
Acq: 19 Apr 2023 10:13

Tgt Ion: 75 Resp: 33707
Ion Ratio Lower Upper
75 100
155 85.2 65.0 97.6
157 108.7 84.4 126.6





#69

1,3,5-Trichlorobenzene

Concen: 54.399 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.003 min

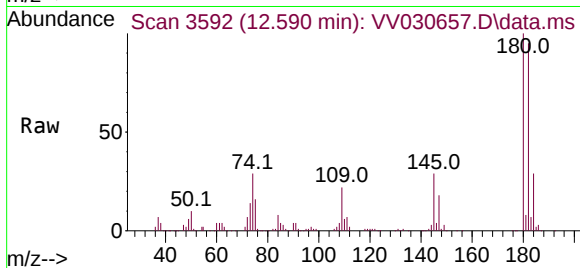
Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 175696

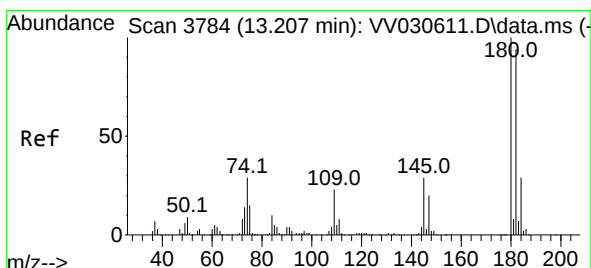
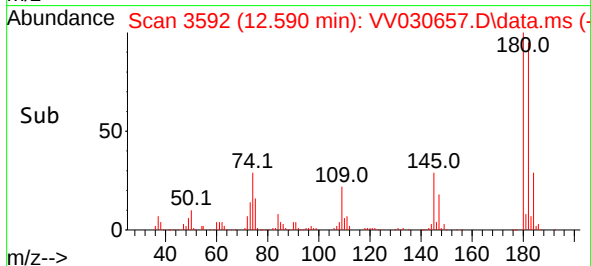
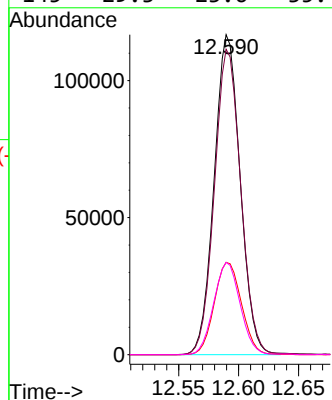
Ion Ratio Lower Upper

180 100

182 96.5 76.4 114.6

184 30.1 24.1 36.1

145 29.3 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 54.593 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

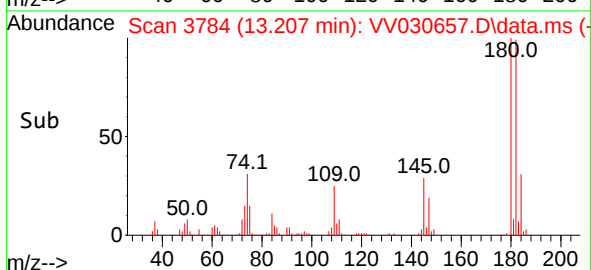
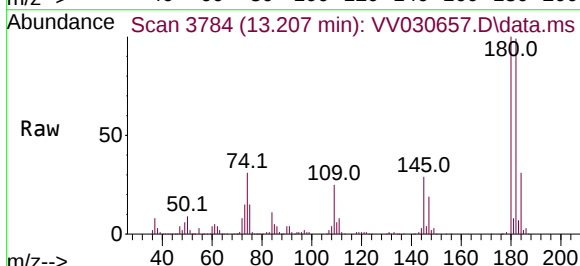
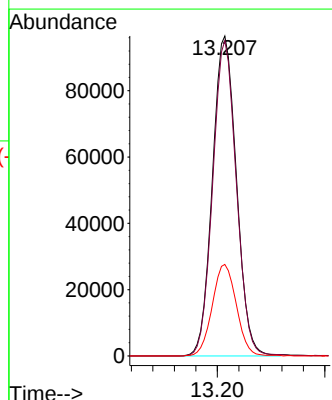
Tgt Ion:180 Resp: 149707

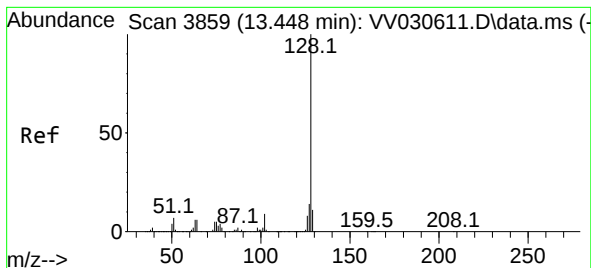
Ion Ratio Lower Upper

180 100

182 96.7 75.9 113.9

145 28.7 23.4 35.2





#71

Naphthalene

Concen: 51.311 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :

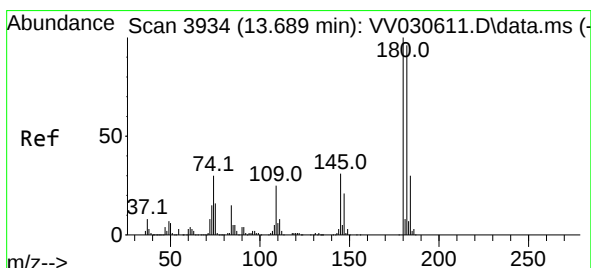
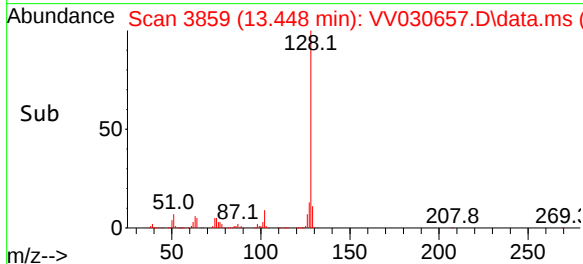
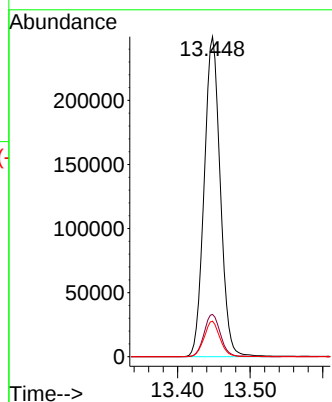
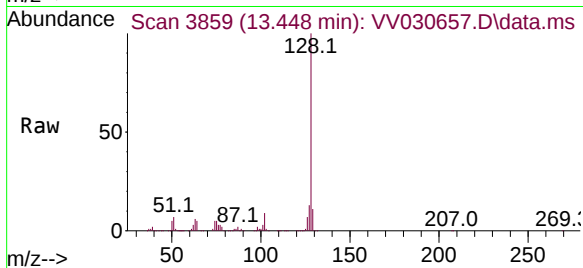
Tgt Ion:128 Resp: 384907

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 54.544 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030657.D

Acq: 19 Apr 2023 10:13

Tgt Ion:180 Resp: 148315

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.4

145 31.3 25.1 37.7

