

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121521\
 Data File : VW023999.D
 Acq On : 15 Dec 2021 22:25
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB253

Quant Time: Dec 16 04:54:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 16 04:44:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	101194	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	106668	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62693	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	25793	4.741	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.800%
7) Chloroethane-d5	1.568	69	21702	4.781	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.111	63	56859	5.354	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.000%
20) 2-Butanone-d5	3.911	46	39498	37.163	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.320%
24) Chloroform-d	4.349	84	58305	4.732	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.034	65	26708	4.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.050	84	104517	4.947	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.072	67	30198	4.738	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.316	98	108816	5.721	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.400%
43) trans-1,3-Dichloroprop...	7.625	79	12513	4.732	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.091	63	44746	37.800	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.600%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	21643	4.093	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	40173	4.797	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	43645	4.955	ug/L	99
3) Chloromethane	1.240	50	36561	4.858	ug/L	95
5) Vinyl chloride	1.310	62	42033	5.150	ug/L	99
6) Bromomethane	1.519	94	24447	4.713	ug/L	100
8) Chloroethane	1.584	64	27411	5.161	ug/L	96
9) Trichlorofluoromethane	1.751	101	76757	5.412	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	38897	5.207	ug/L	99
12) 1,1-Dichloroethene	2.117	96	35762	5.267	ug/L	98
13) Acetone	2.198	43	32107	37.759	ug/L	81
14) Carbon disulfide	2.294	76	93627	4.754	ug/L	99
15) Methyl Acetate	2.442	43	12269	5.953	ug/L #	88
16) Methylene chloride	2.506	84	42863	4.826	ug/L	98
17) Methyl tert-butyl Ether	2.770	73	80707	5.257	ug/L	99
18) trans-1,2-Dichloroethene	2.760	96	39038	5.194	ug/L	98
19) 1,1-Dichloroethane	3.191	63	71520	5.302	ug/L	99
21) 2-Butanone	3.989	43	50356	41.448	ug/L	87
22) cis-1,2-Dichloroethene	3.911	96	41856	5.261	ug/L	98
23) Bromochloromethane	4.249	128	19104	5.284	ug/L	96
25) Chloroform	4.375	83	79769	5.320	ug/L	99

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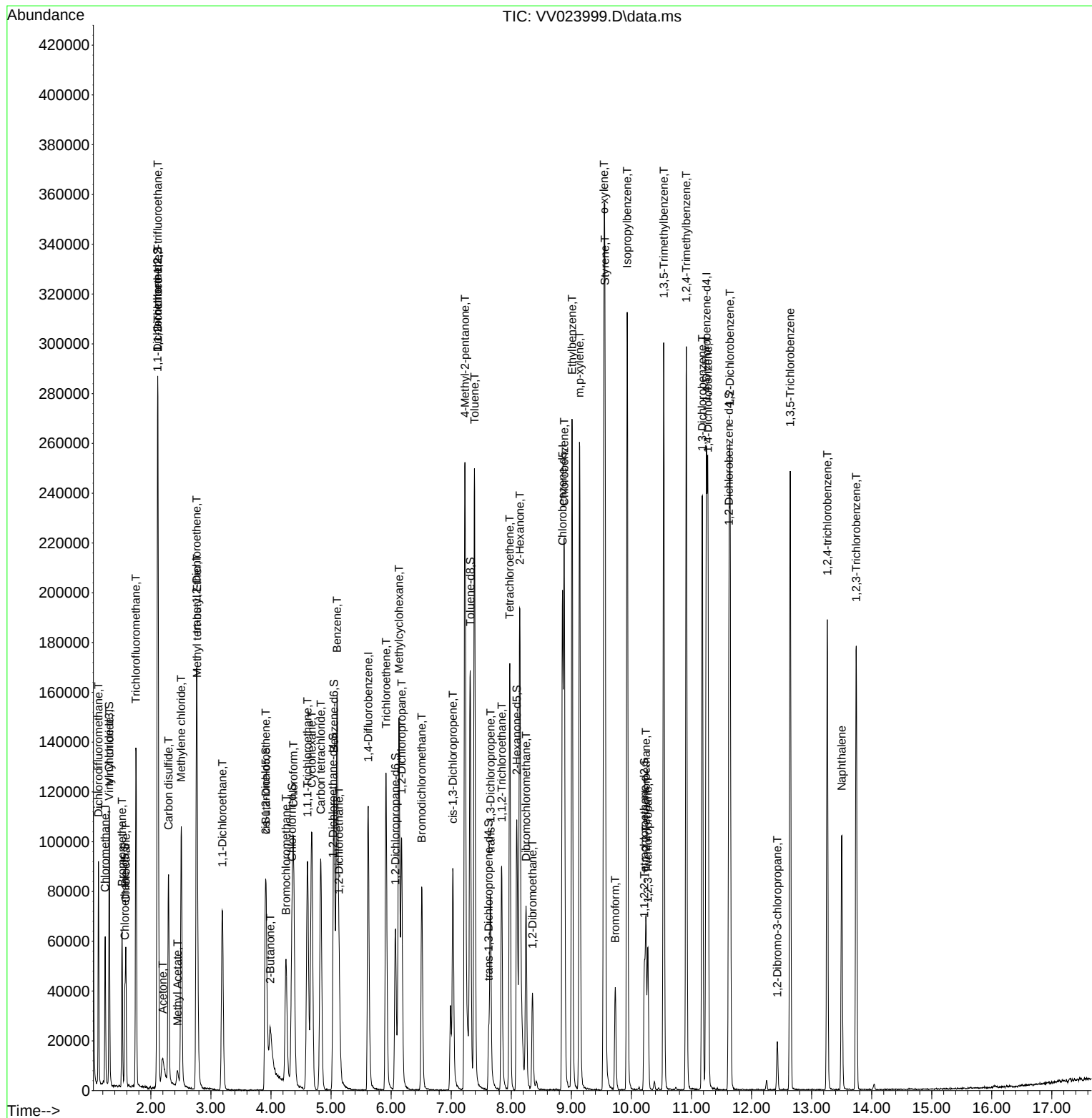
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	44185	5.439	ug/L	100
29) 1,1,1-Trichloroethane	4.609	97	76007	5.446	ug/L	97
30) Cyclohexane	4.677	56	52754	4.766	ug/L	98
31) Carbon tetrachloride	4.828	117	67746	5.164	ug/L	99
33) Benzene	5.098	78	158511	5.253	ug/L	100
34) Trichloroethene	5.915	95	42164	4.954	ug/L	98
35) Methylcyclohexane	6.130	83	59323	4.736	ug/L	99
37) 1,2-Dichloropropane	6.175	63	38481	5.365	ug/L	99
38) Bromodichloromethane	6.509	83	53898	5.305	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	51199	4.809	ug/L	97
40) 4-Methyl-2-pentanone	7.230	43	187585	54.447	ug/L	98
42) Toluene	7.387	91	180383	5.312	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	45845	4.981	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	27992	5.275	ug/L	97
47) Tetrachloroethene	7.976	164	37955	5.065	ug/L	98
48) 2-Hexanone	8.143	43	135761	54.345	ug/L	98
49) Dibromochloromethane	8.246	129	37210	5.154	ug/L	99
50) 1,2-Dibromoethane	8.352	107	25913	5.260	ug/L	96
51) Chlorobenzene	8.882	112	117027	5.156	ug/L	99
52) Ethylbenzene	9.011	91	183404	5.118	ug/L	100
53) m,p-xylene	9.136	106	74041	5.225	ug/L	96
54) o-xylene	9.545	106	70539	5.147	ug/L	98
55) Styrene	9.561	104	124929	5.476	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.242	83	29699	5.111	ug/L	95
59) Bromoform	9.731	173	19535	4.855	ug/L	99
60) Isopropylbenzene	9.931	105	197580	5.368	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	21997	5.150	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	157287	5.151	ug/L	99
63) 1,2,4-Trimethylbenzene	10.914	105	159707	5.250	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	100217	5.323	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	97512	5.157	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	90982	5.275	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	4631	4.965	ug/L	84
69) 1,3,5-Trichlorobenzene	12.644	180	77413	5.000	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	57348	4.716	ug/L	97
71) Naphthalene	13.503	128	82840	4.740	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	53132	4.949	ug/L	97

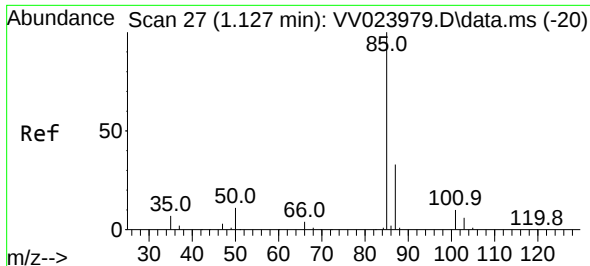
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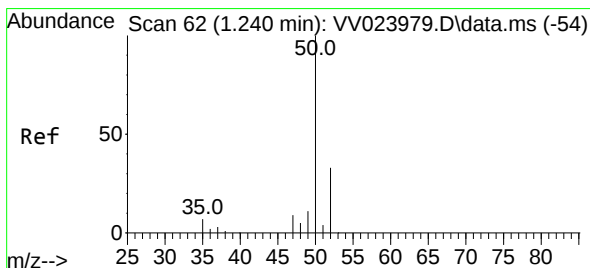
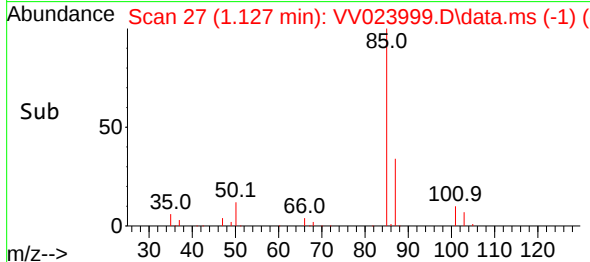
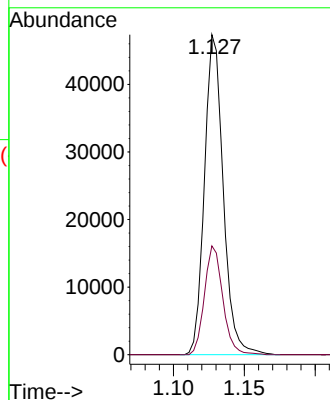
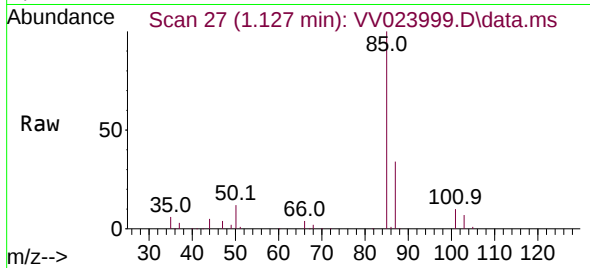




#2
 Dichlorodifluoromethane
 Concen: 4.955 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV023999.D
 Acq: 15 Dec 2021 22:25

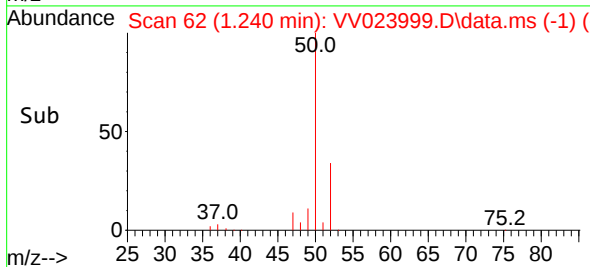
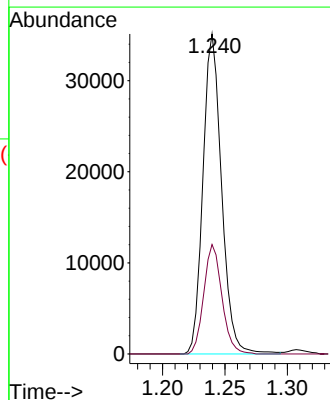
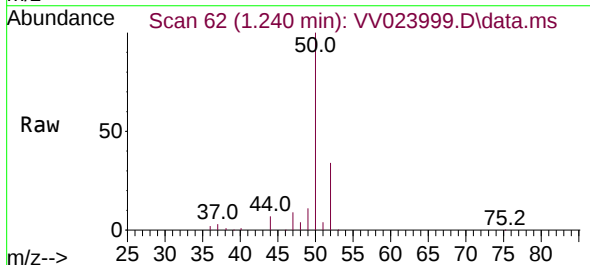
Instrument :
 MSVOA_V
 ClientSampleId :
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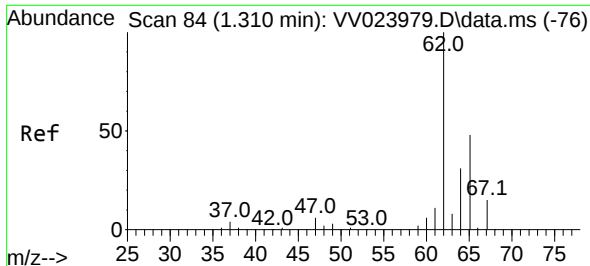
Tgt Ion: 85 Resp: 43645
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.0 39.0



#3
 Chloromethane
 Concen: 4.858 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV023999.D
 Acq: 15 Dec 2021 22:25

Tgt Ion: 50 Resp: 36561
 Ion Ratio Lower Upper
 50 100
 52 34.2 22.0 41.0

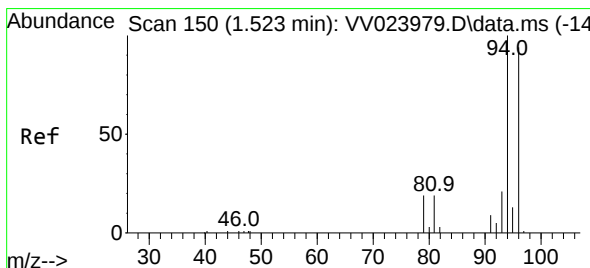
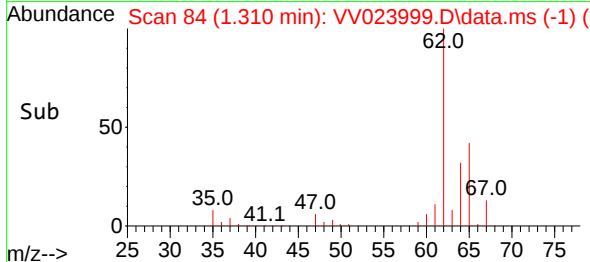
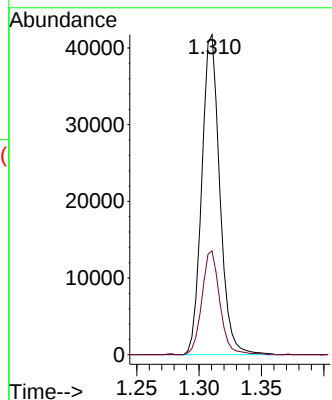
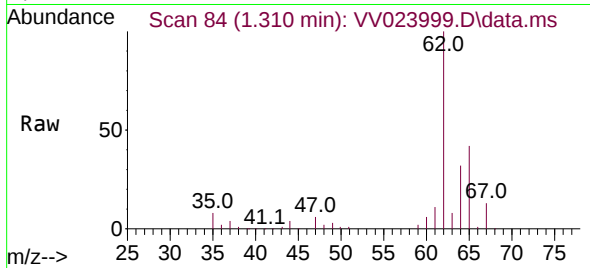




#5
 Vinyl chloride
 Concen: 5.150 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023999.D
 Acq: 15 Dec 2021 22:25

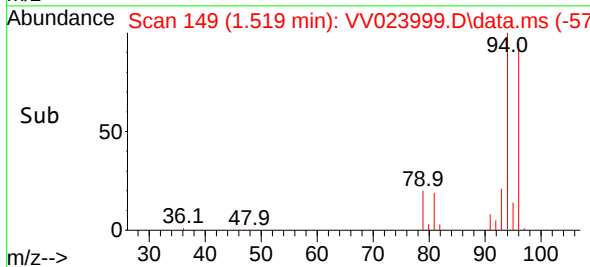
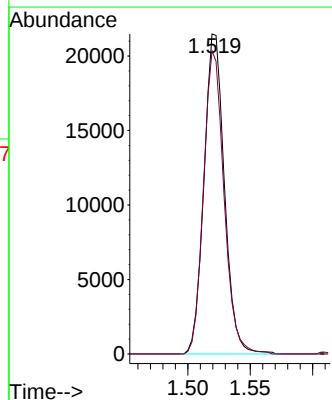
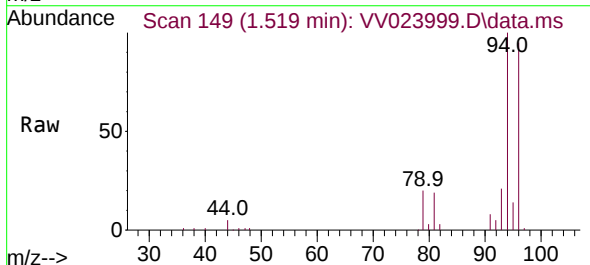
Instrument :
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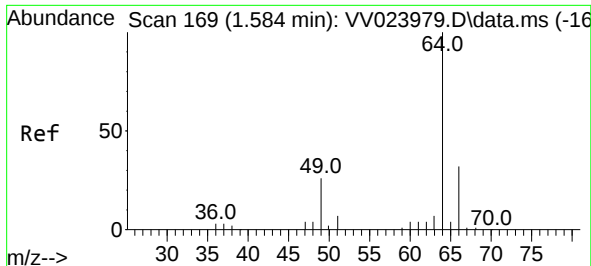
Tgt Ion: 62 Resp: 42033
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.4 41.6



#6
 Bromomethane
 Concen: 4.713 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.003 min
 Lab File: VV023999.D
 Acq: 15 Dec 2021 22:25

Tgt Ion: 94 Resp: 24447
 Ion Ratio Lower Upper
 94 100
 96 94.7 66.2 123.0

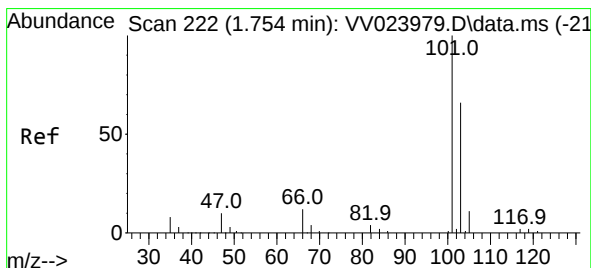
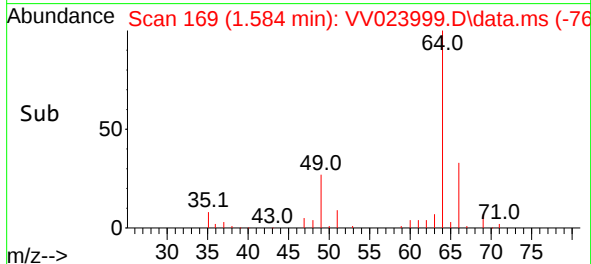
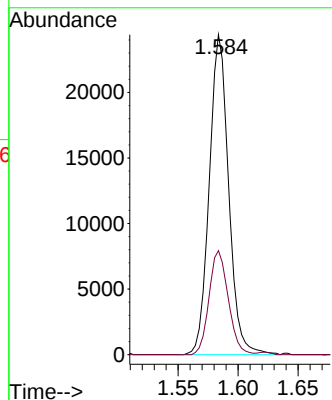
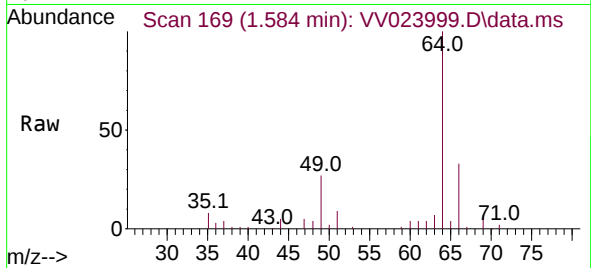




#8
Chloroethane
Concen: 5.161 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

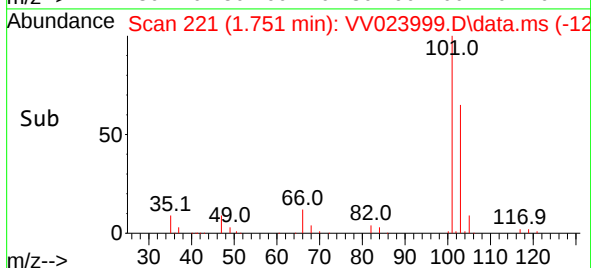
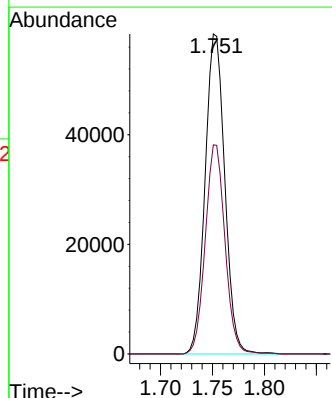
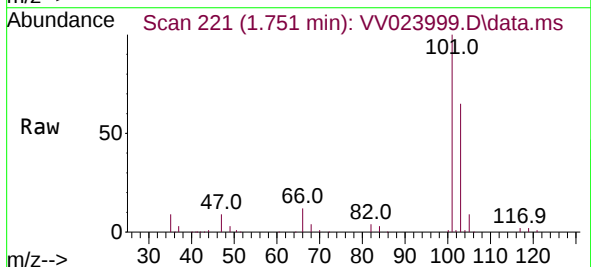
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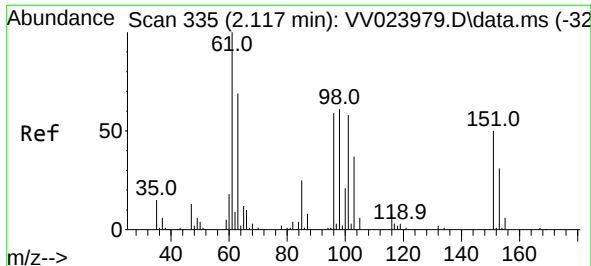
Tgt Ion: 64 Resp: 27411
Ion Ratio Lower Upper
64 100
66 32.5 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.412 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Tgt Ion:101 Resp: 76757
Ion Ratio Lower Upper
101 100
103 65.6 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.207 ug/L

RT: 2.117 min Scan# 335

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

BFB253

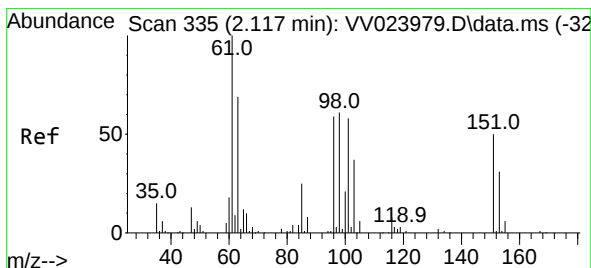
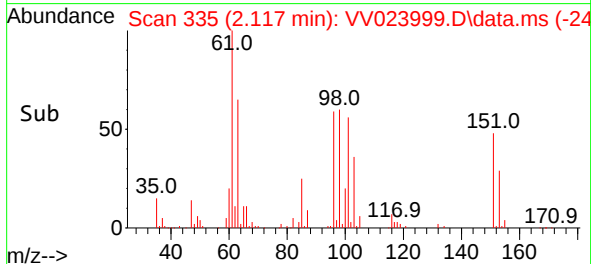
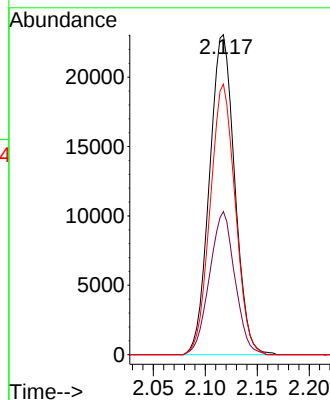
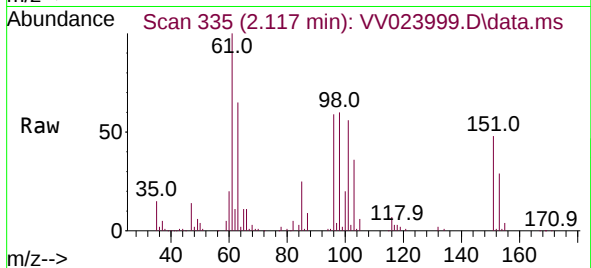
Tgt Ion:101 Resp: 38897

Ion Ratio Lower Upper

101 100

85 44.9 36.0 54.0

151 84.1 66.4 99.6



#12

1,1-Dichloroethene

Concen: 5.267 ug/L

RT: 2.117 min Scan# 335

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

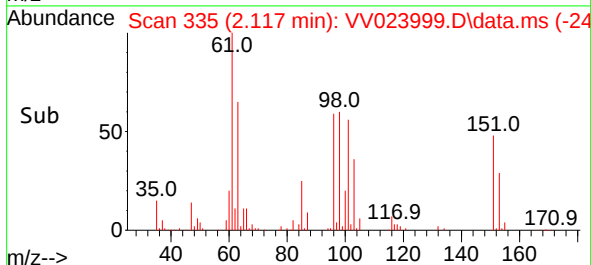
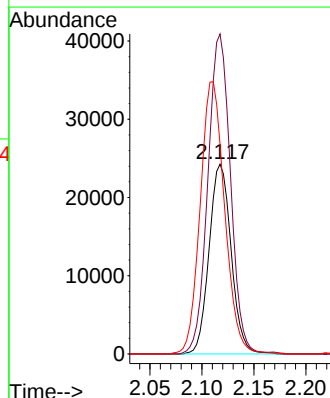
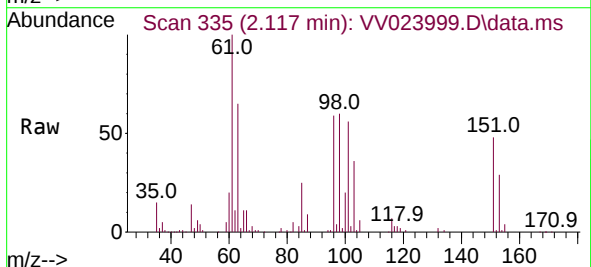
Tgt Ion: 96 Resp: 35762

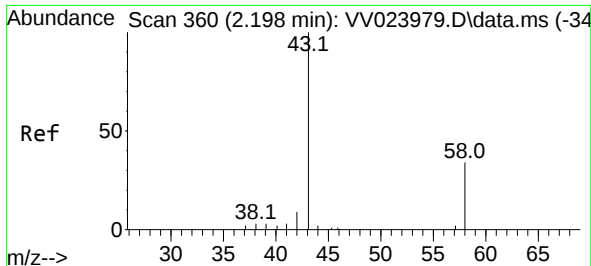
Ion Ratio Lower Upper

96 100

61 168.6 116.1 215.5

63 110.4 79.4 147.4





#13

Acetone

Concen: 37.759 ug/L

RT: 2.198 min Scan# 30

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

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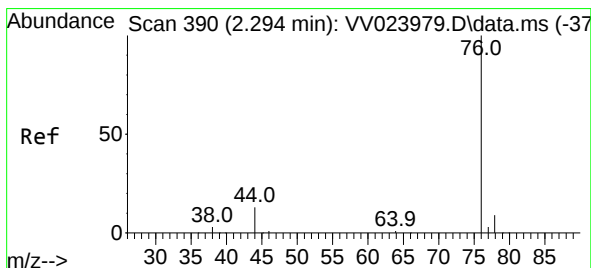
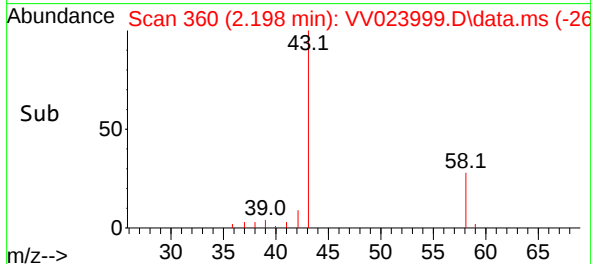
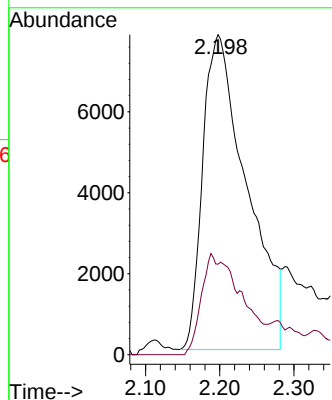
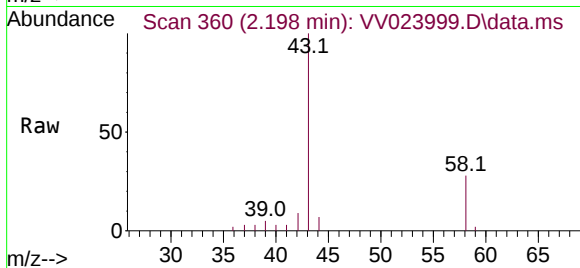
BFB253

Tgt Ion: 43 Resp: 32107

Ion Ratio Lower Upper

43 100

58 12.0 0.0 41.4



#14

Carbon disulfide

Concen: 4.754 ug/L

RT: 2.294 min Scan# 390

Delta R.T. -0.000 min

Lab File: VV023999.D

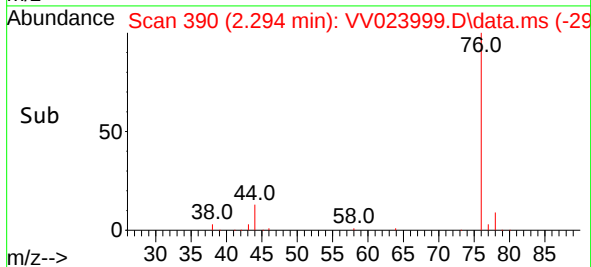
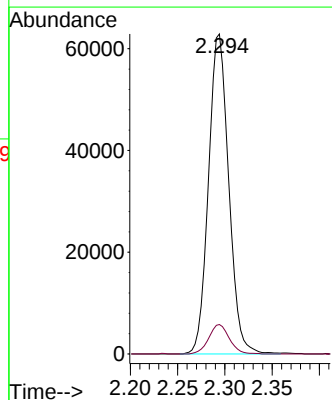
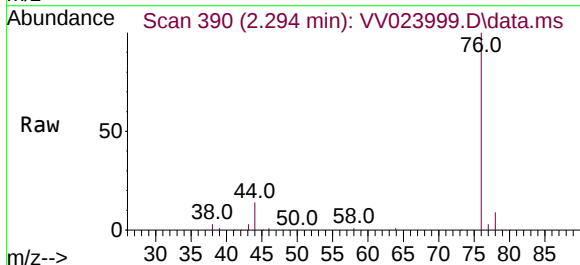
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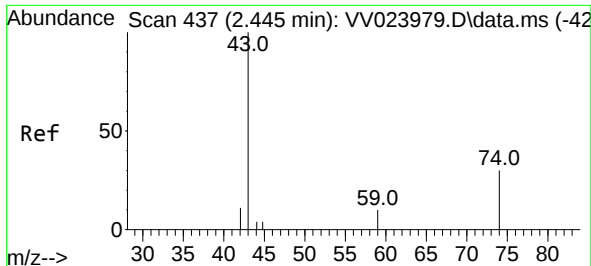
Tgt Ion: 76 Resp: 93627

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 5.953 ug/L

RT: 2.442 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

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MSVOA_V

ClientSampleId :

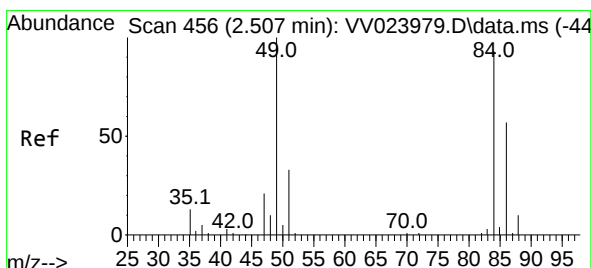
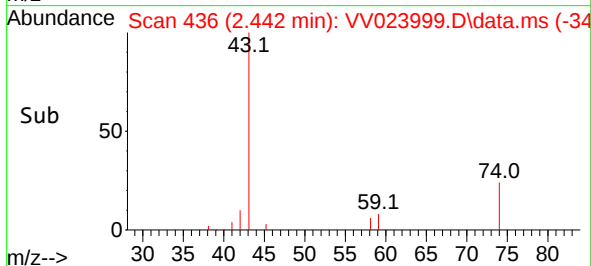
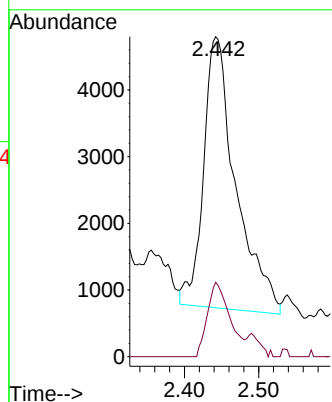
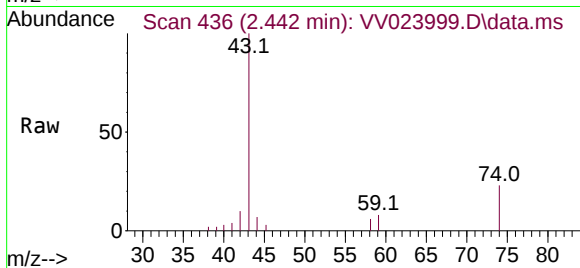
BFB253

Tgt Ion: 43 Resp: 12269

Ion Ratio Lower Upper

43 100

74 19.0 20.2 30.2#



#16

Methylene chloride

Concen: 4.826 ug/L

RT: 2.506 min Scan# 456

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

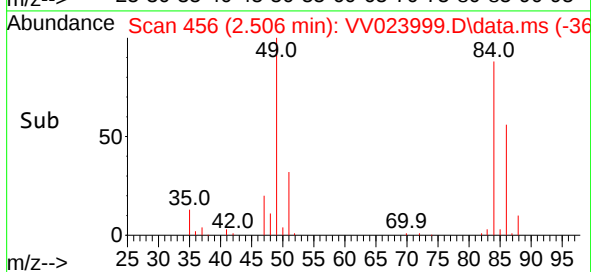
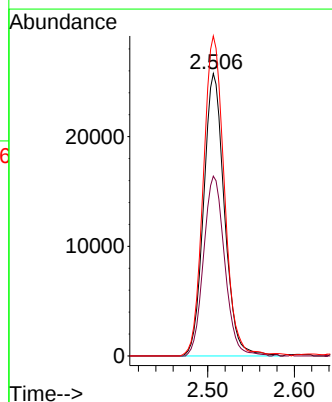
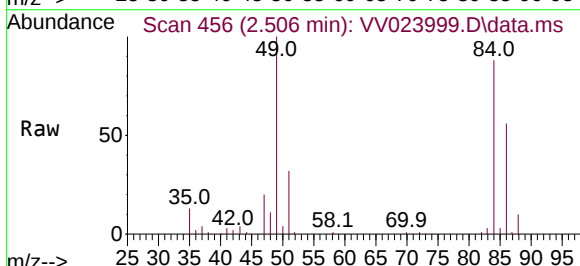
Tgt Ion: 84 Resp: 42863

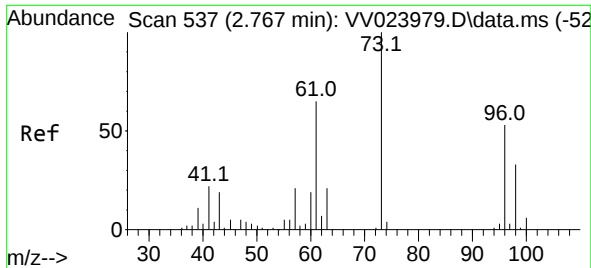
Ion Ratio Lower Upper

84 100

86 63.7 42.6 79.0

49 113.3 79.7 147.9

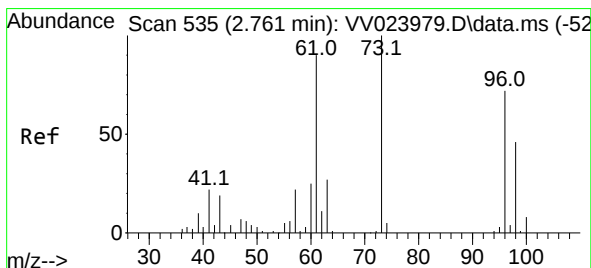
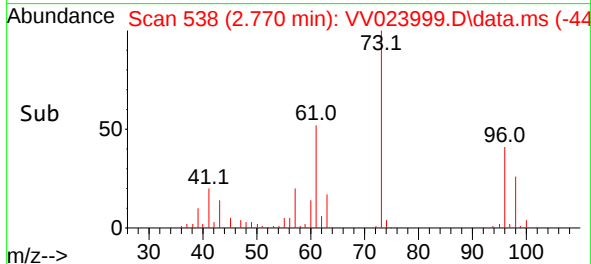
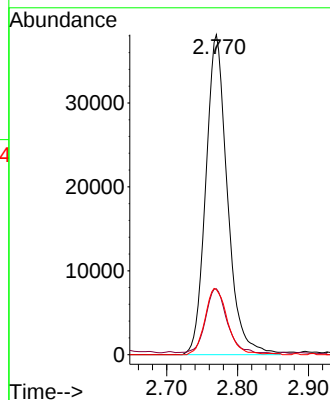
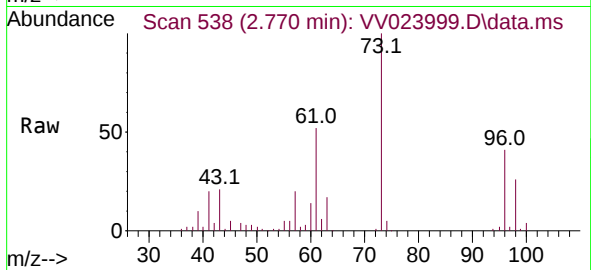




#17
Methyl tert-butyl Ether
Concen: 5.257 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

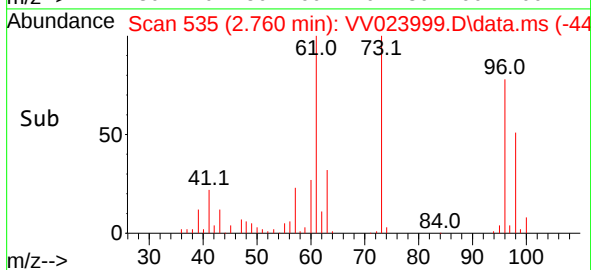
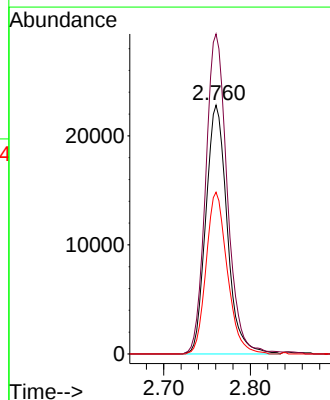
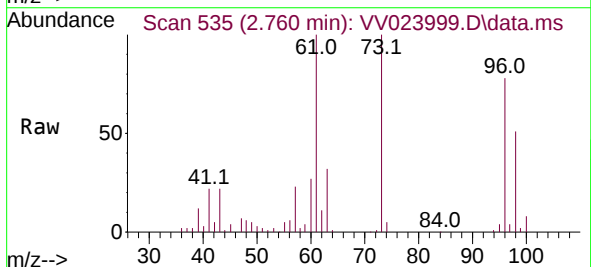
Instrument :
MSVOA_V
ClientSampleId :
BFB253

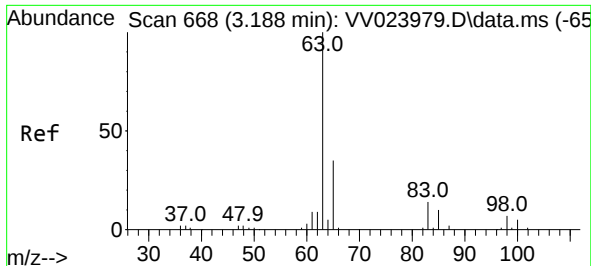
Tgt Ion: 73 Resp: 80707
Ion Ratio Lower Upper
73 100
43 20.3 15.5 23.3
57 21.4 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.194 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Tgt Ion: 96 Resp: 39038
Ion Ratio Lower Upper
96 100
61 128.6 88.2 163.8
98 65.0 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.302 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

BFB253

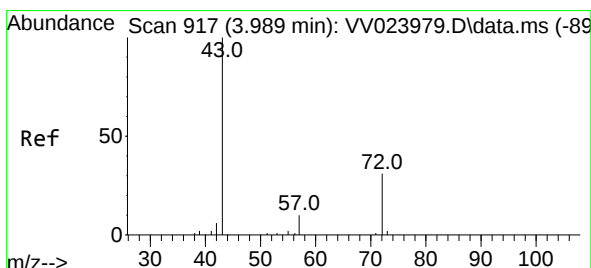
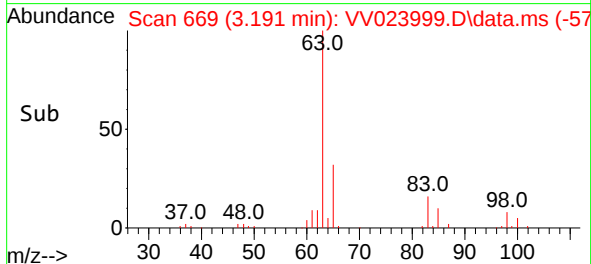
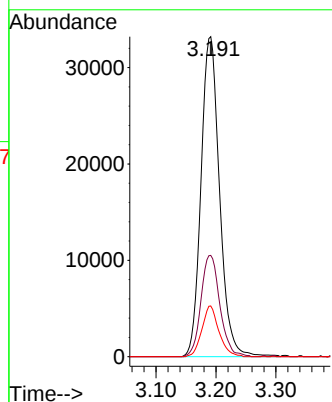
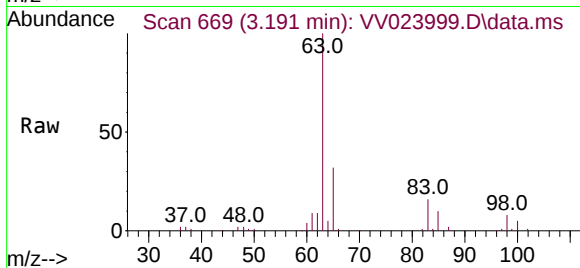
Tgt Ion: 63 Resp: 71520

Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.3

83 15.9 10.7 19.9



#21

2-Butanone

Concen: 41.448 ug/L

RT: 3.989 min Scan# 917

Delta R.T. -0.000 min

Lab File: VV023999.D

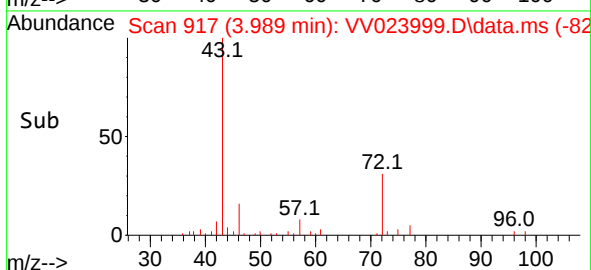
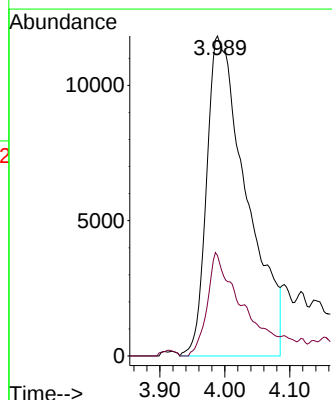
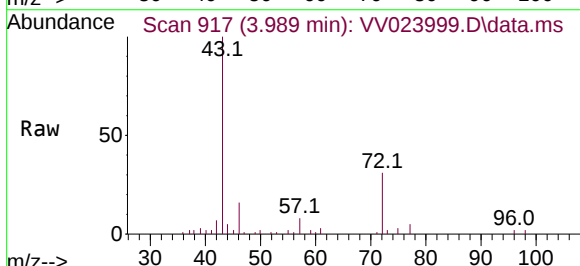
Acq: 15 Dec 2021 22:25

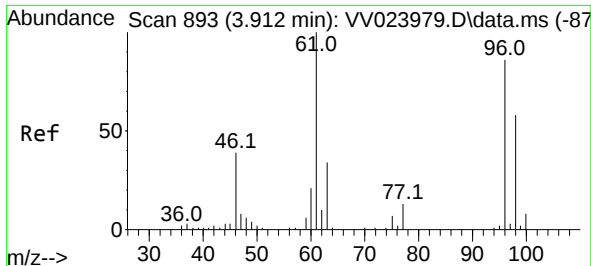
Tgt Ion: 43 Resp: 50356

Ion Ratio Lower Upper

43 100

72 28.3 11.1 33.1

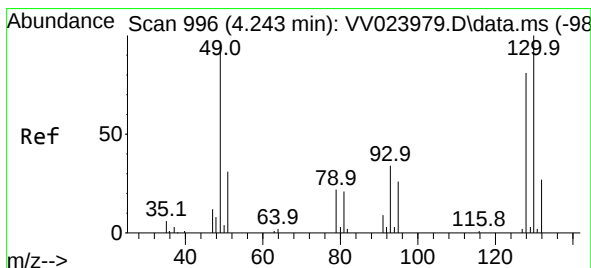
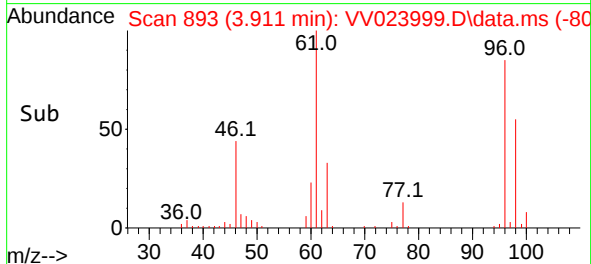
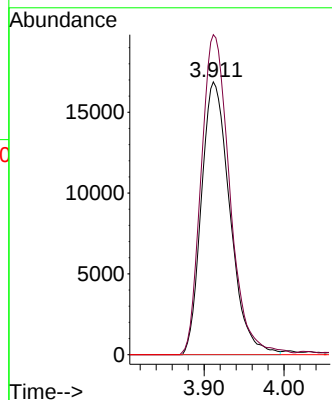
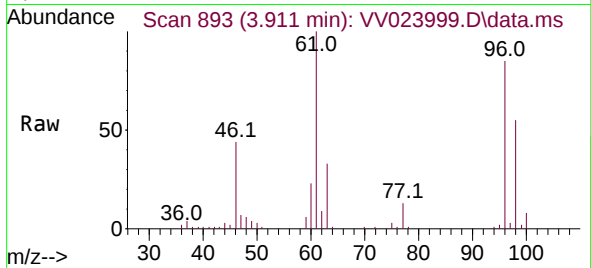




#22
 cis-1,2-Dichloroethene
 Concen: 5.261 ug/L
 RT: 3.911 min Scan# 891
 Delta R.T. -0.000 min
 Lab File: VV023999.D
 Acq: 15 Dec 2021 22:25

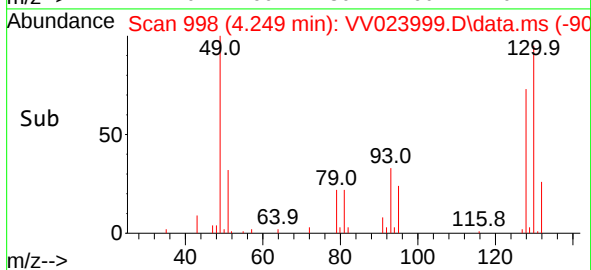
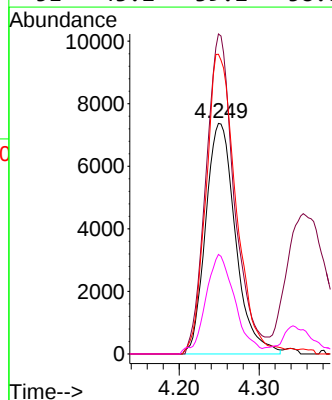
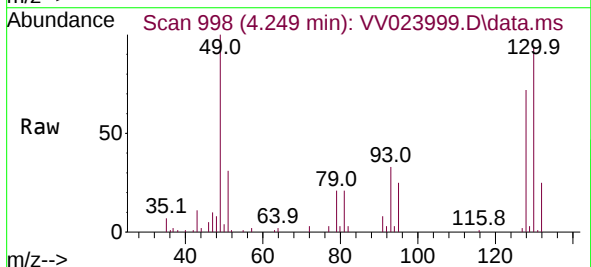
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB253

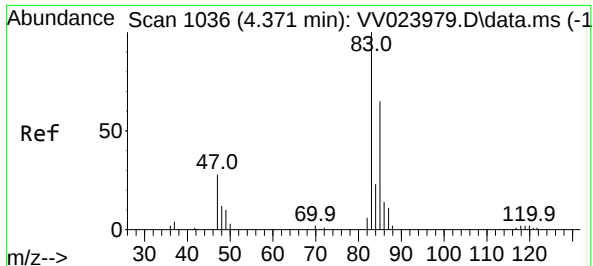
Tgt Ion: 96 Resp: 41856
 Ion Ratio Lower Upper
 96 100
 61 117.3 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.284 ug/L
 RT: 4.249 min Scan# 998
 Delta R.T. 0.006 min
 Lab File: VV023999.D
 Acq: 15 Dec 2021 22:25

Tgt Ion: 128 Resp: 19104
 Ion Ratio Lower Upper
 128 100
 49 138.8 100.2 186.2
 130 129.9 92.5 171.7
 51 43.2 39.2 58.8





#25

Chloroform

Concen: 5.320 ug/L

RT: 4.375 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

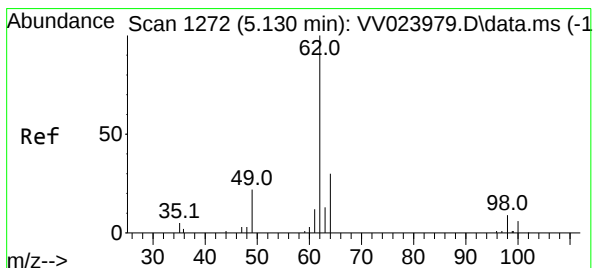
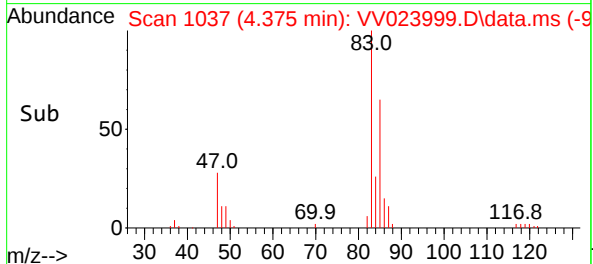
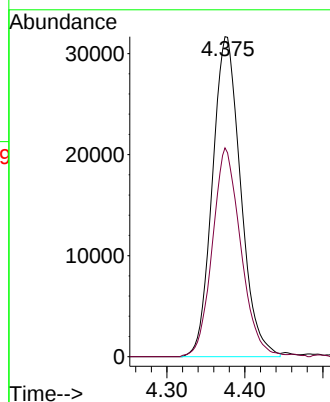
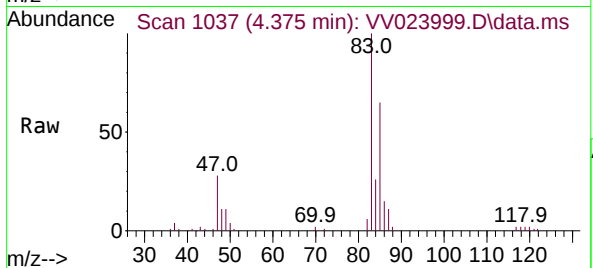
BFB253

Tgt Ion: 83 Resp: 79769

Ion Ratio Lower Upper

83 100

85 65.2 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.439 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV023999.D

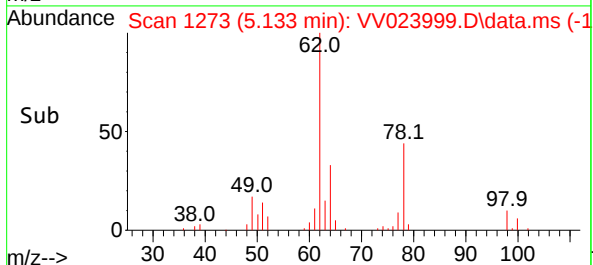
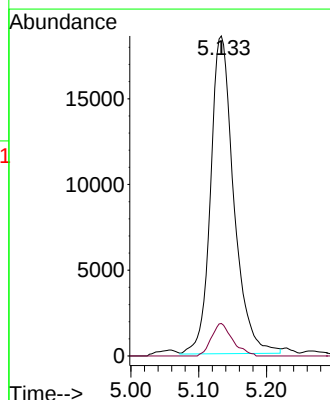
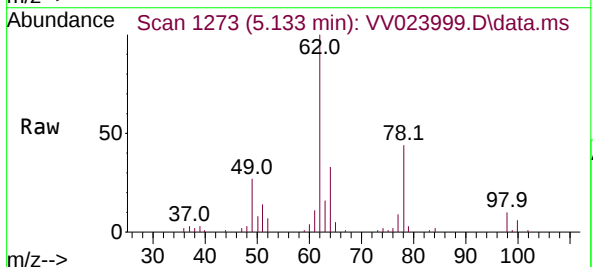
Acq: 15 Dec 2021 22:25

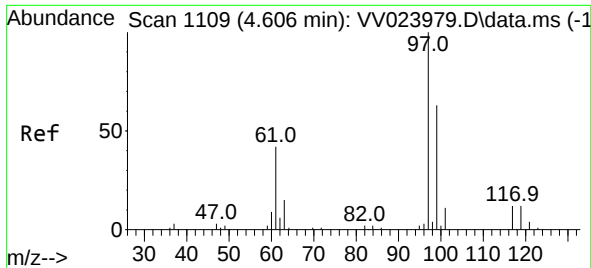
Tgt Ion: 62 Resp: 44185

Ion Ratio Lower Upper

62 100

98 10.1 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.446 ug/L

RT: 4.609 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

BFB253

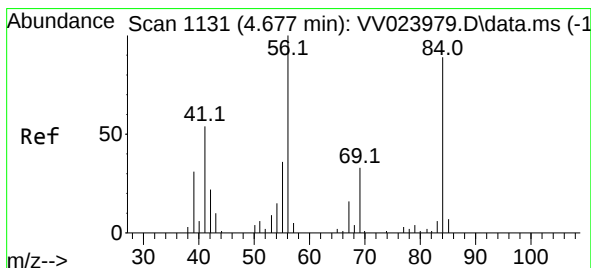
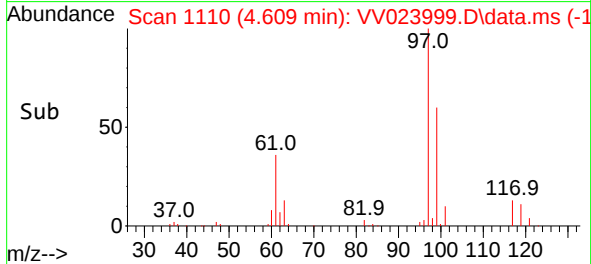
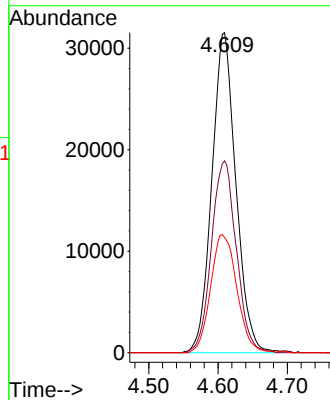
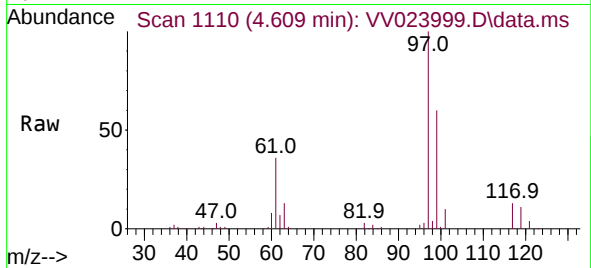
Tgt Ion: 97 Resp: 76007

Ion Ratio Lower Upper

97 100

99 62.1 51.9 77.9

61 40.3 33.2 49.8



#30

Cyclohexane

Concen: 4.766 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

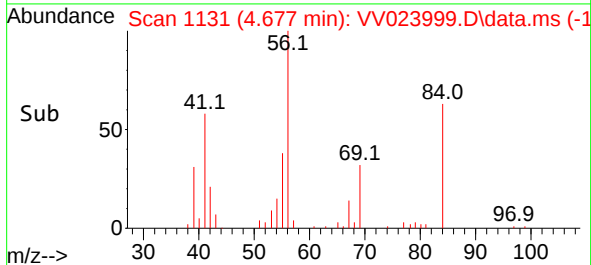
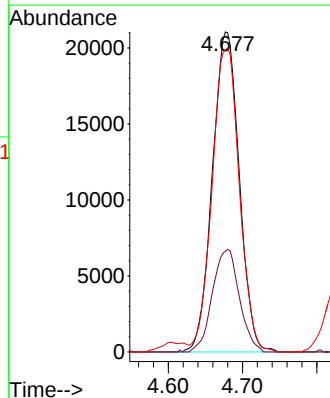
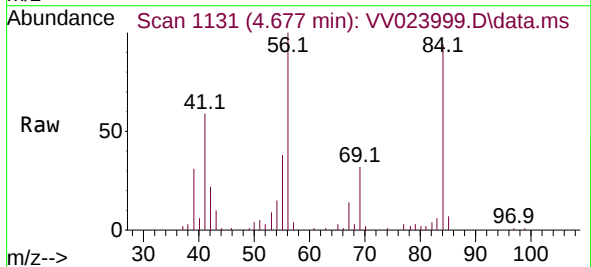
Tgt Ion: 56 Resp: 52754

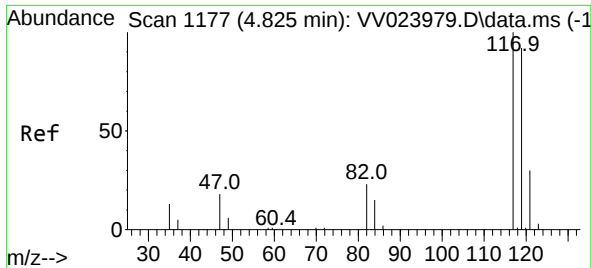
Ion Ratio Lower Upper

56 100

69 32.2 24.8 37.2

84 96.7 75.9 113.9

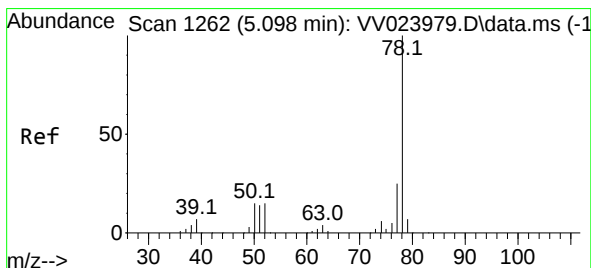
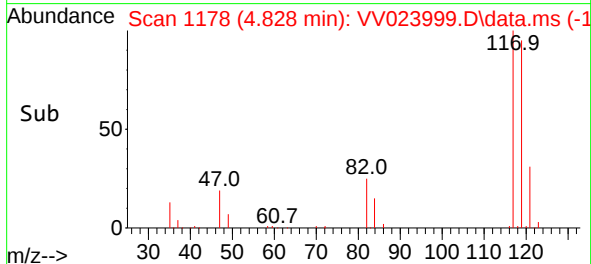
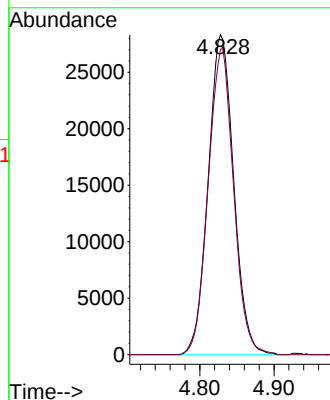
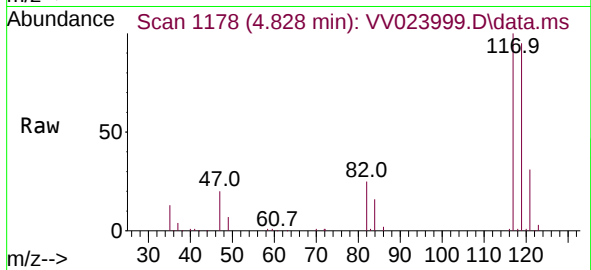




#31
Carbon tetrachloride
Concen: 5.164 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

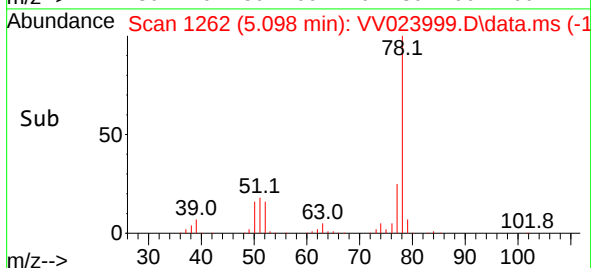
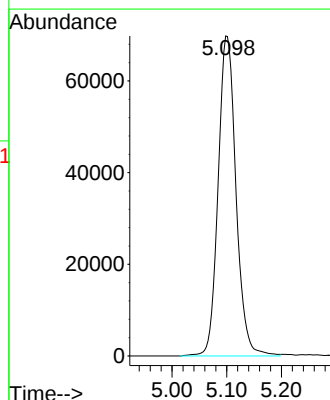
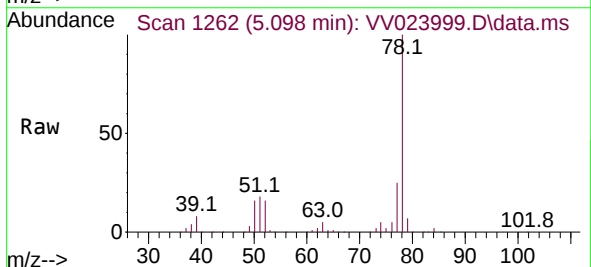
Instrument :
MSVOA_V
ClientSampleId :
BFB253

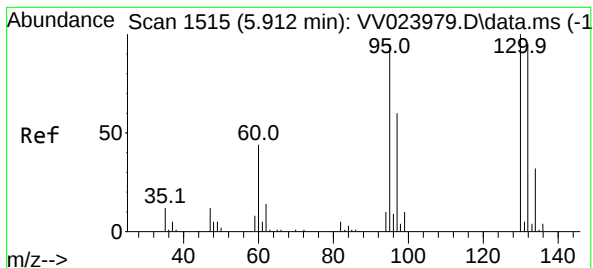
Tgt Ion:117 Resp: 67746
Ion Ratio Lower Upper
117 100
119 95.1 76.6 114.8



#33
Benzene
Concen: 5.253 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. -0.000 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Tgt Ion: 78 Resp: 158511





#34

Trichloroethene

Concen: 4.954 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

BFB253

Tgt Ion: 95 Resp: 42164

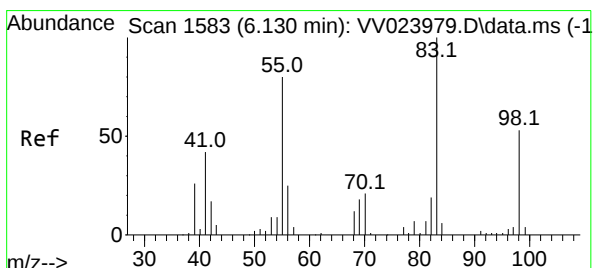
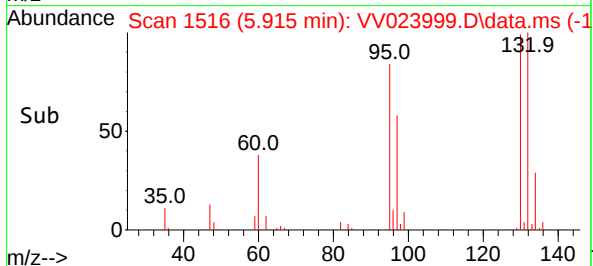
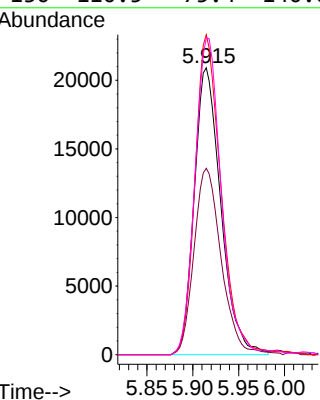
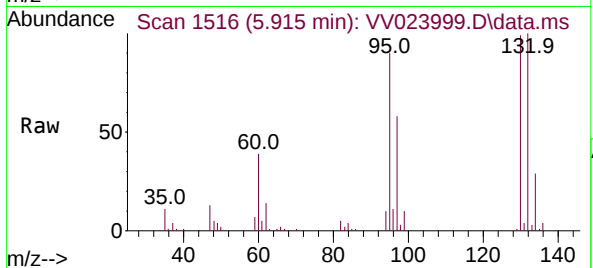
Ion Ratio Lower Upper

95 100

97 65.0 45.2 84.0

132 111.6 76.1 141.3

130 110.5 75.4 140.0



#35

Methylcyclohexane

Concen: 4.736 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

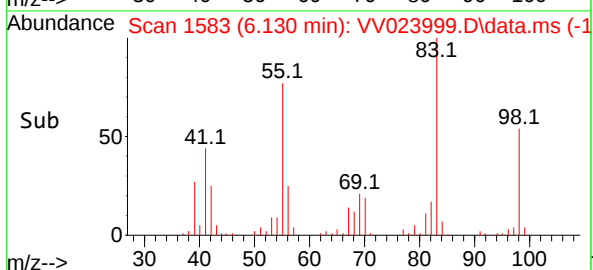
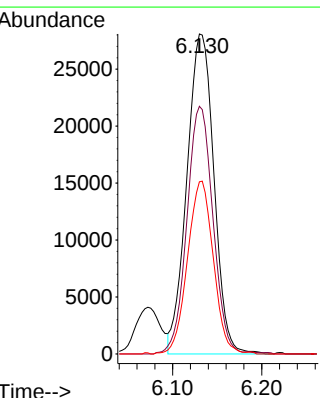
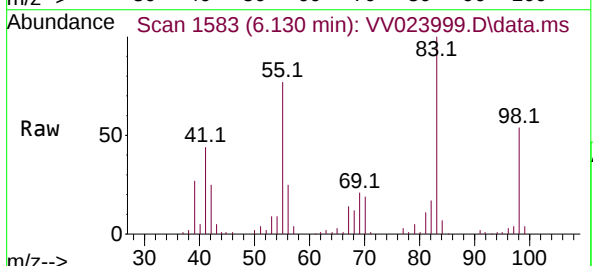
Tgt Ion: 83 Resp: 59323

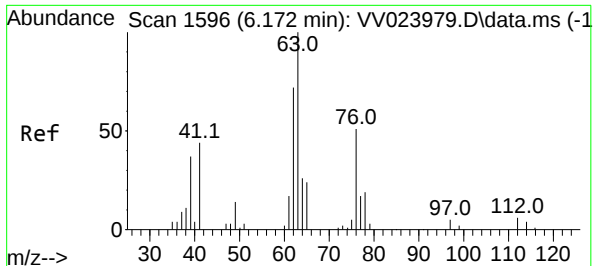
Ion Ratio Lower Upper

83 100

55 74.6 60.2 90.2

98 51.5 41.0 61.4





#37

1,2-Dichloropropane

Concen: 5.365 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

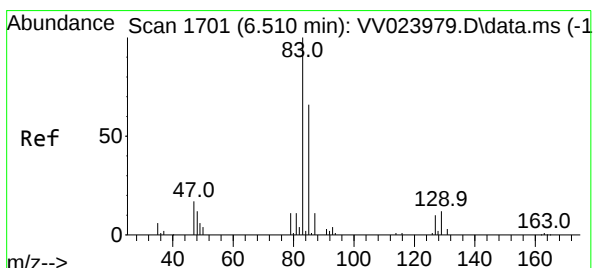
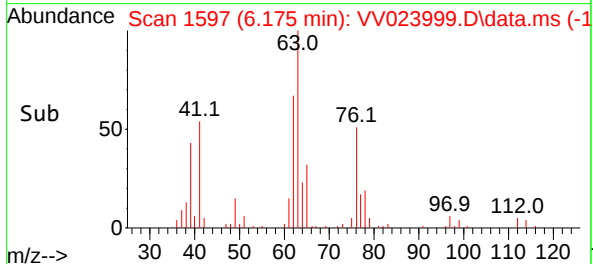
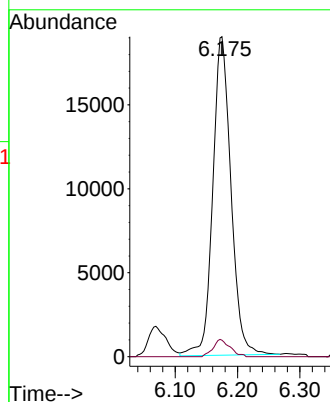
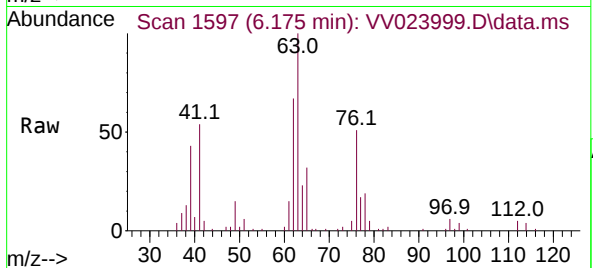
BFB253

Tgt Ion: 63 Resp: 38481

Ion Ratio Lower Upper

63 100

112 5.0 4.3 6.5



#38

Bromodichloromethane

Concen: 5.305 ug/L

RT: 6.509 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

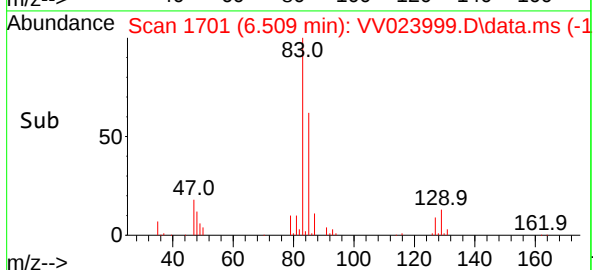
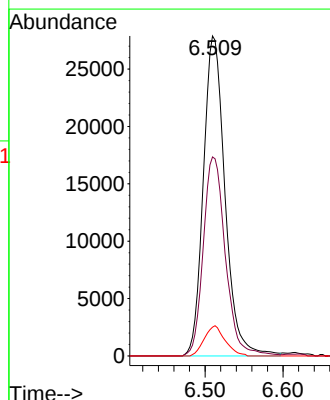
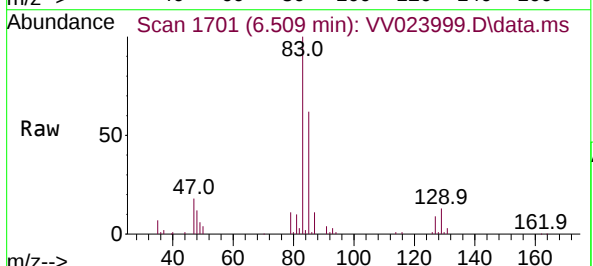
Tgt Ion: 83 Resp: 53898

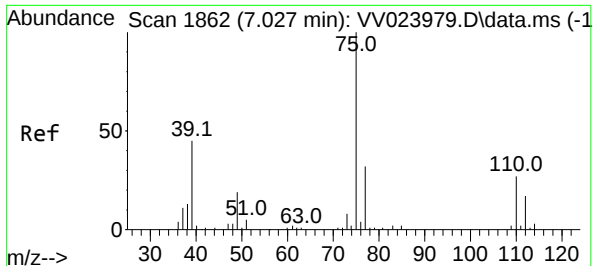
Ion Ratio Lower Upper

83 100

85 62.2 44.0 81.8

127 9.0 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 4.809 ug/L

RT: 7.027 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

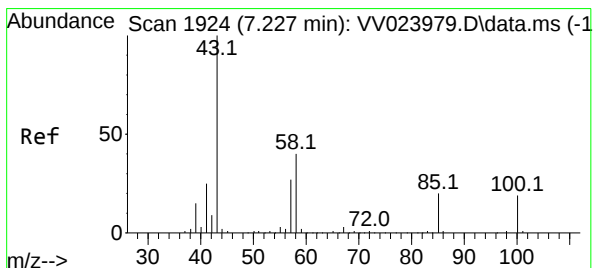
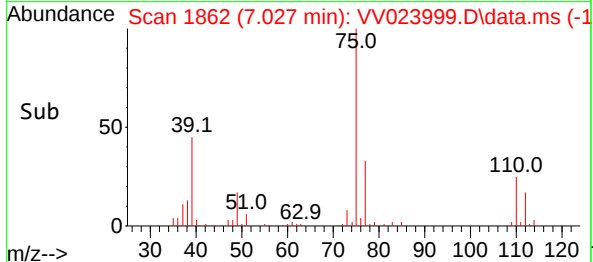
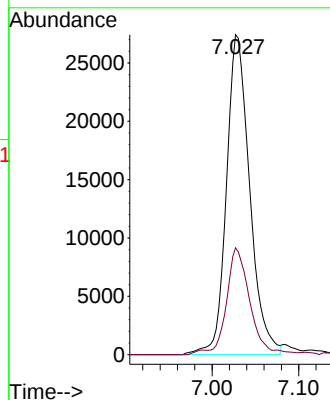
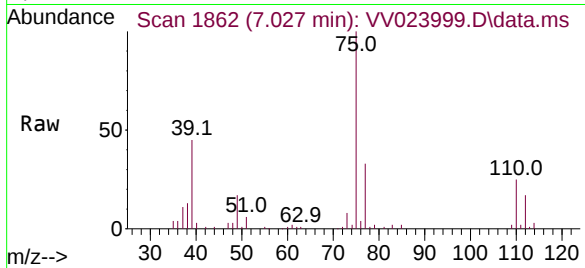
BFB253

Tgt Ion: 75 Resp: 51199

Ion Ratio Lower Upper

75 100

77 33.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 54.447 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.003 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

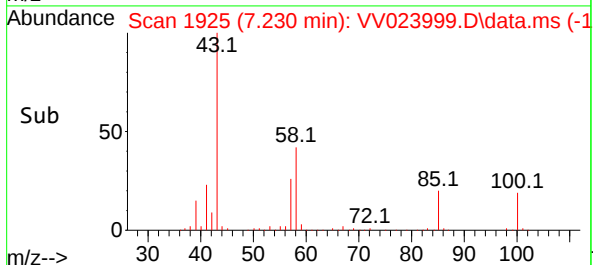
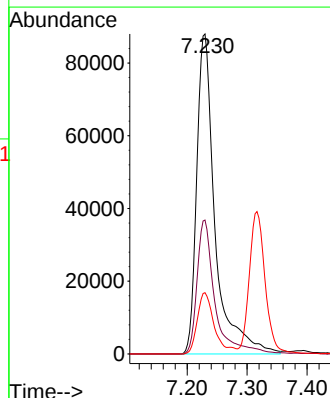
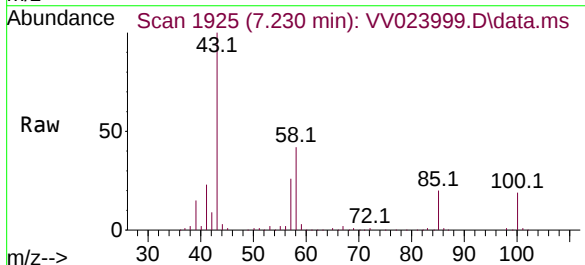
Tgt Ion: 43 Resp: 187585

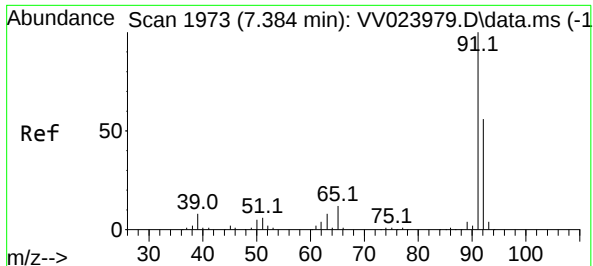
Ion Ratio Lower Upper

43 100

58 41.0 32.3 48.5

100 17.9 13.0 19.6





#42

Toluene

Concen: 5.312 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

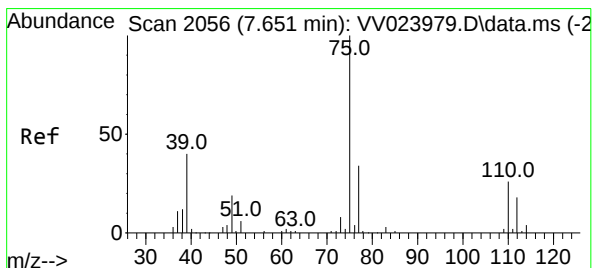
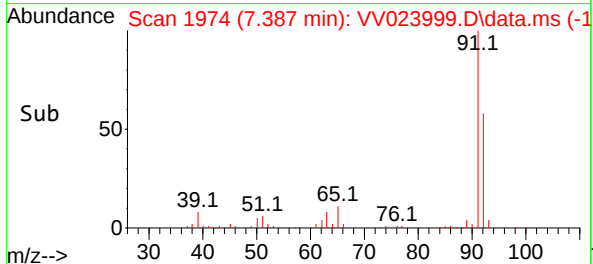
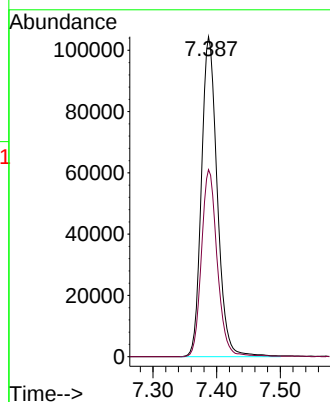
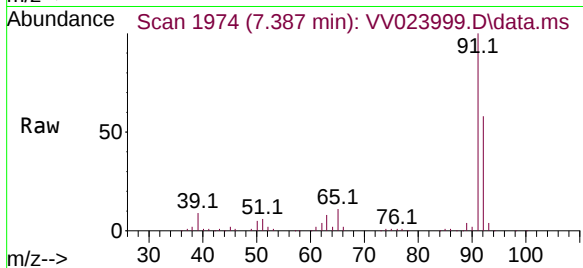
BFB253

Tgt Ion: 91 Resp: 180383

Ion Ratio Lower Upper

91 100

92 58.5 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 4.981 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VV023999.D

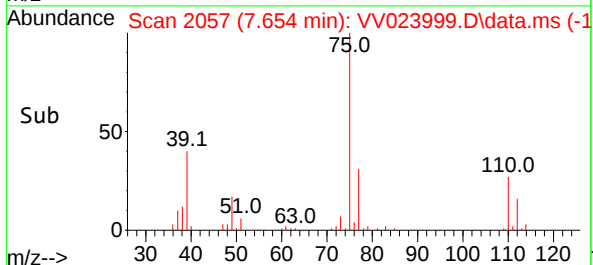
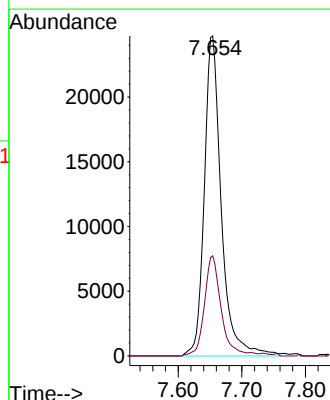
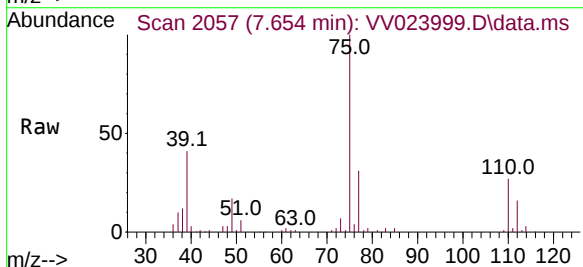
Acq: 15 Dec 2021 22:25

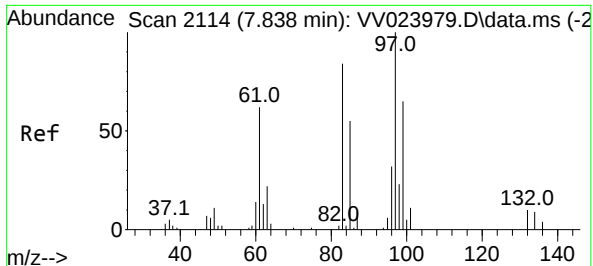
Tgt Ion: 75 Resp: 45845

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 5.275 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. 0.003 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

BFB253

Tgt Ion: 97 Resp: 27992

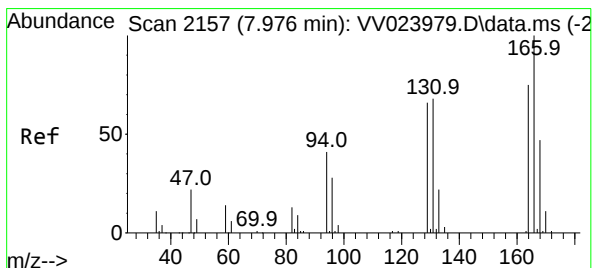
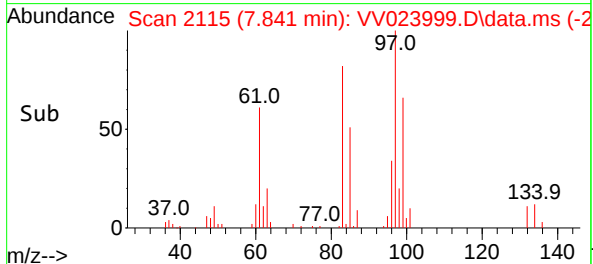
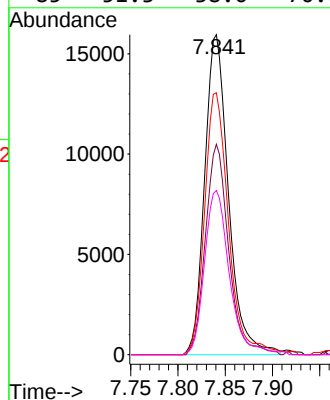
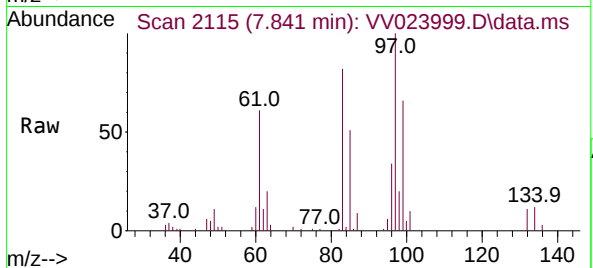
Ion Ratio Lower Upper

97 100

99 65.8 43.1 80.1

83 81.8 57.9 107.5

85 51.3 38.0 70.6



#47

Tetrachloroethene

Concen: 5.065 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Tgt Ion:164 Resp: 37955

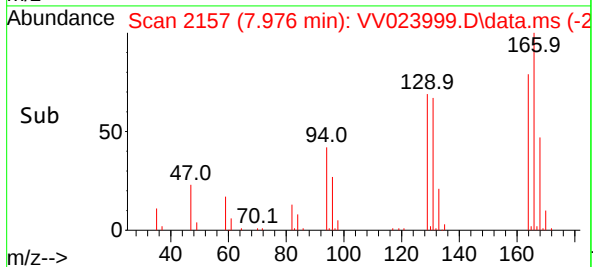
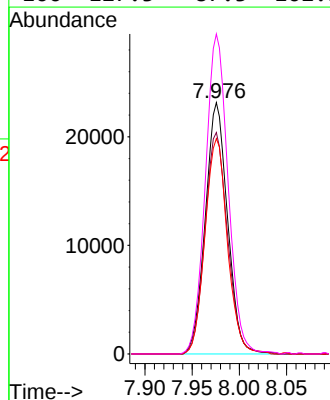
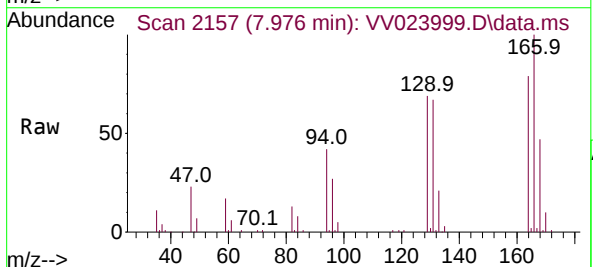
Ion Ratio Lower Upper

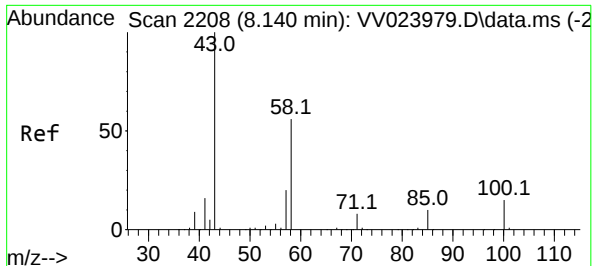
164 100

129 88.1 62.6 116.2

131 85.7 61.0 113.4

166 127.3 87.3 162.1

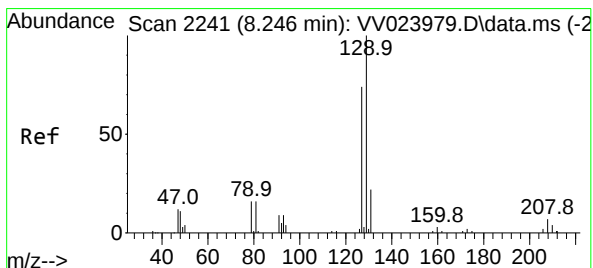
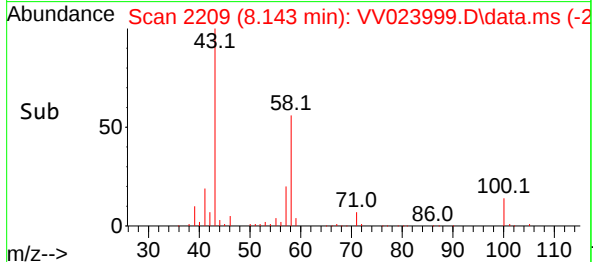
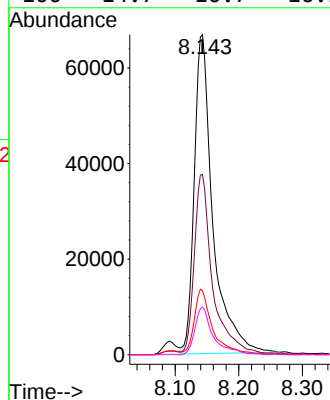
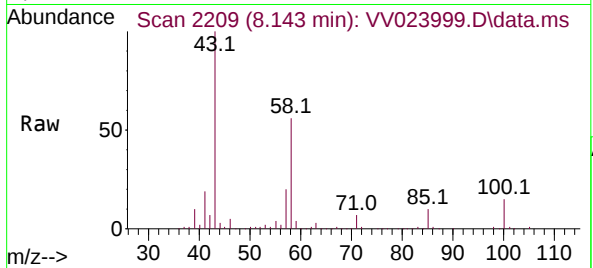




#48
2-Hexanone
Concen: 54.345 ug/L
RT: 8.143 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

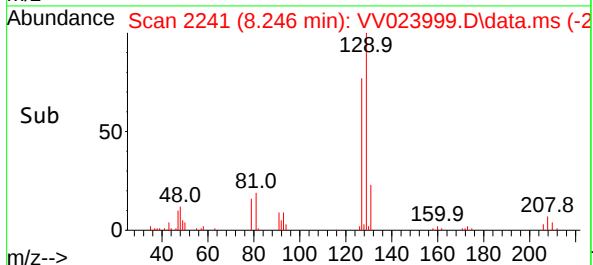
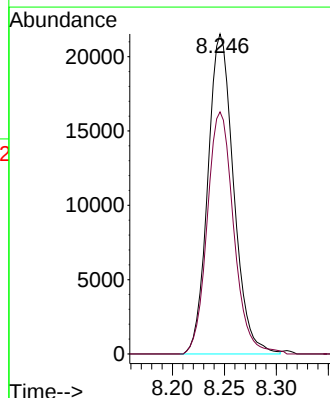
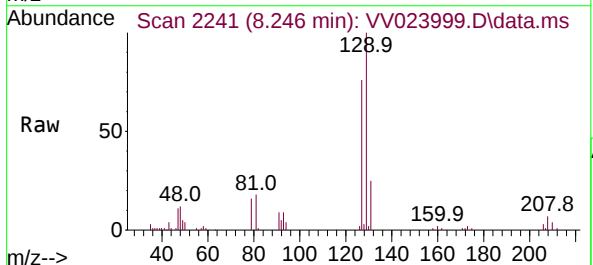
Instrument :
MSVOA_V
ClientSampleId :
BFB253

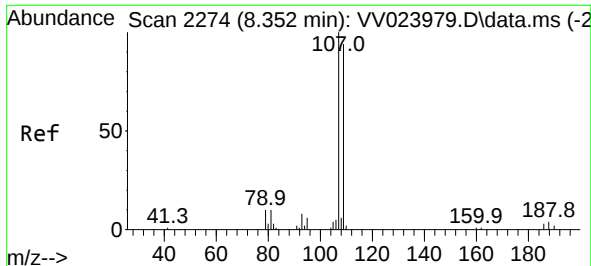
Tgt Ion: 43 Resp: 135761
Ion Ratio Lower Upper
43 100
58 54.8 44.5 66.7
57 19.9 15.1 22.7
100 14.7 10.7 16.1



#49
Dibromochloromethane
Concen: 5.154 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Tgt Ion:129 Resp: 37210
Ion Ratio Lower Upper
129 100
127 75.7 53.5 99.3





#50

1,2-Dibromoethane

Concen: 5.260 ug/L

RT: 8.352 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

BFB253

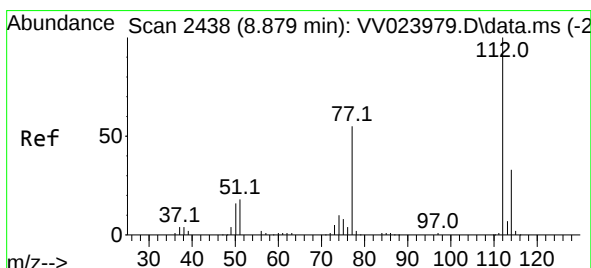
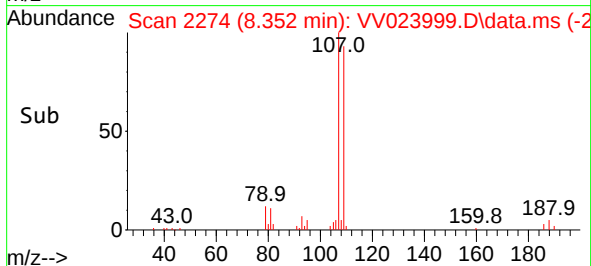
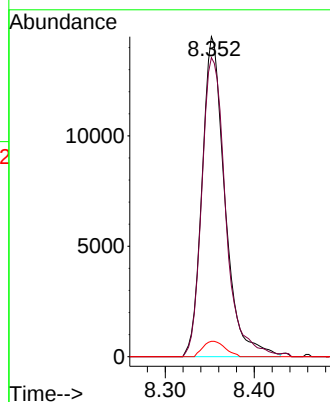
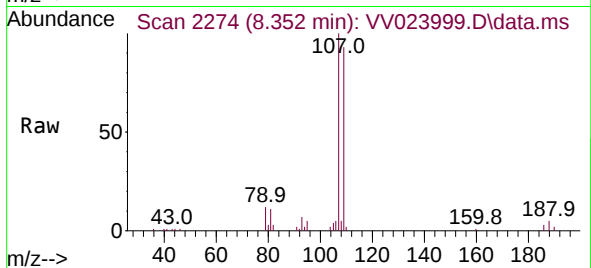
Tgt Ion:107 Resp: 25913

Ion Ratio Lower Upper

107 100

109 93.4 62.5 116.1

188 4.8 3.4 5.2



#51

Chlorobenzene

Concen: 5.156 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

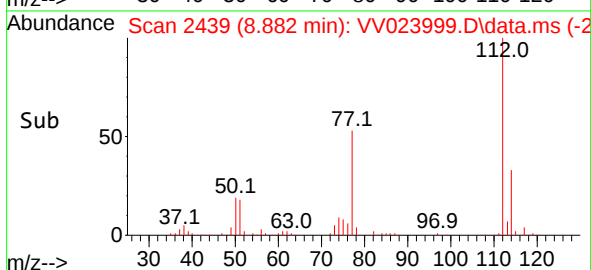
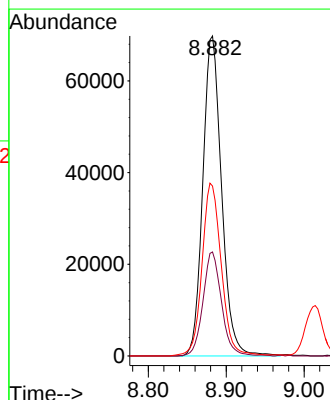
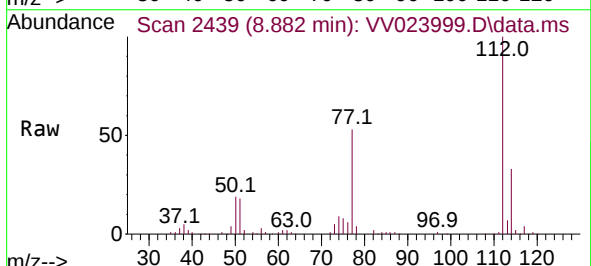
Tgt Ion:112 Resp: 117027

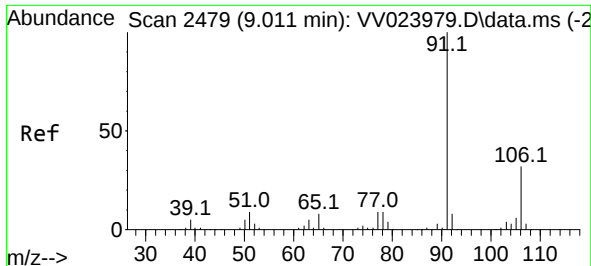
Ion Ratio Lower Upper

112 100

114 32.5 23.3 43.3

77 53.1 43.3 64.9





#52

Ethylbenzene

Concen: 5.118 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

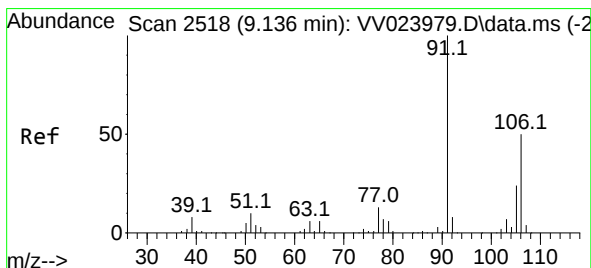
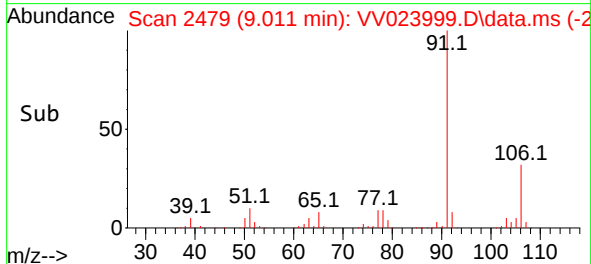
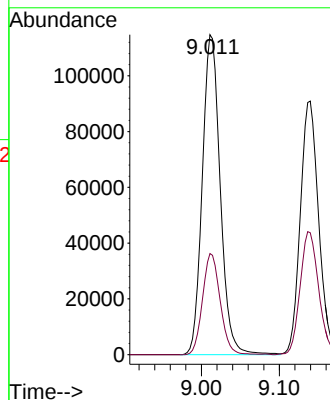
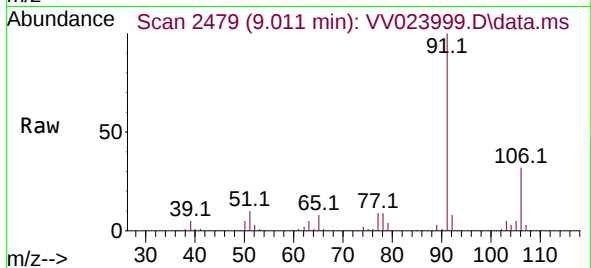
BFB253

Tgt Ion: 91 Resp: 183404

Ion Ratio Lower Upper

91 100

106 31.6 22.0 41.0



#53

m,p-xylene

Concen: 5.225 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. -0.000 min

Lab File: VV023999.D

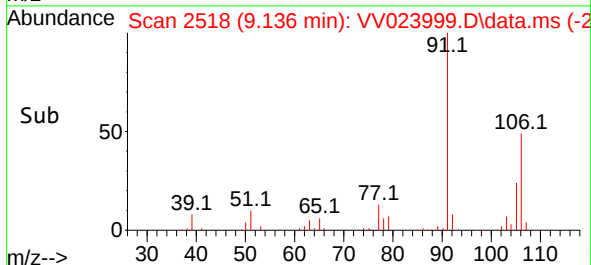
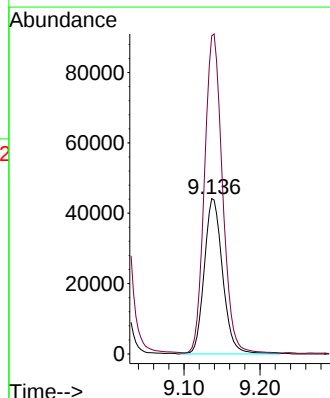
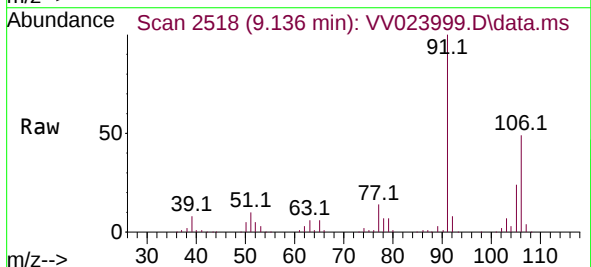
Acq: 15 Dec 2021 22:25

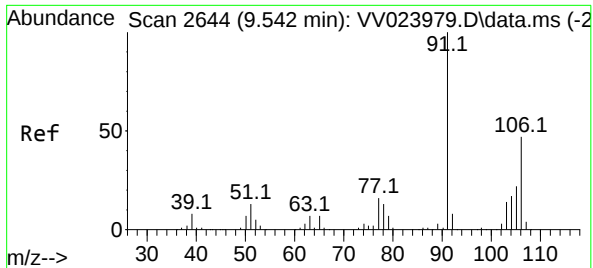
Tgt Ion:106 Resp: 74041

Ion Ratio Lower Upper

106 100

91 204.8 139.5 259.1

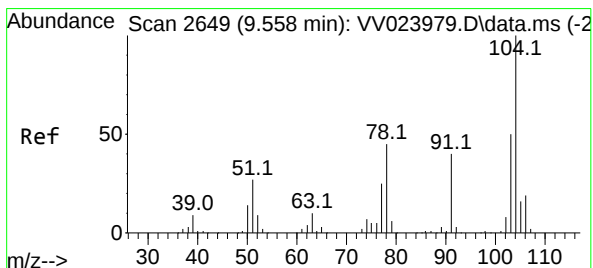
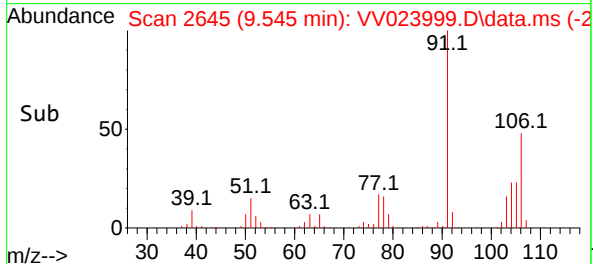
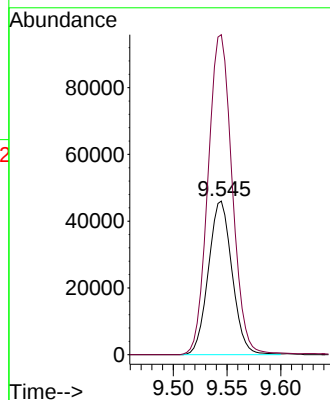
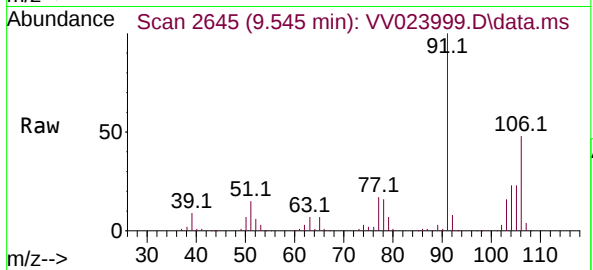




#54
o-xylene
Concen: 5.147 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

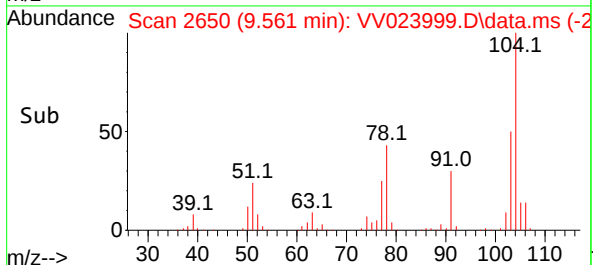
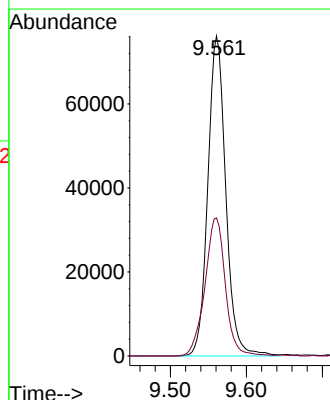
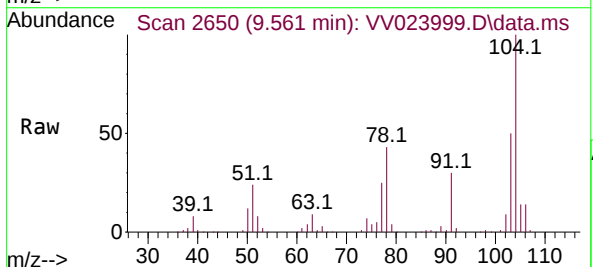
Instrument :
MSVOA_V
ClientSampleId :
BFB253

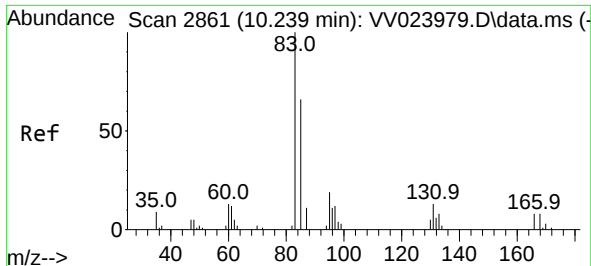
Tgt Ion:106 Resp: 70539
Ion Ratio Lower Upper
106 100
91 208.3 147.9 274.7



#55
Styrene
Concen: 5.476 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Tgt Ion:104 Resp: 124929
Ion Ratio Lower Upper
104 100
78 43.1 31.0 57.6

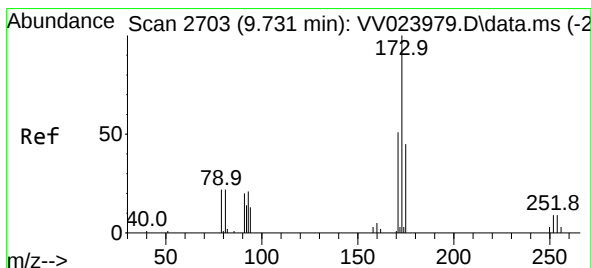
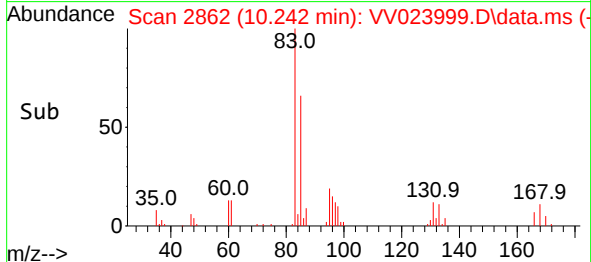
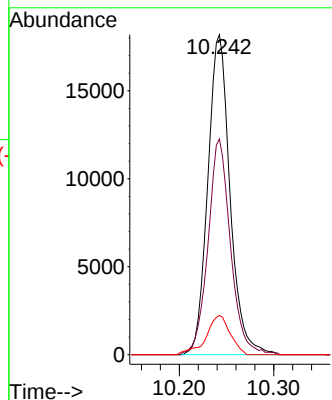
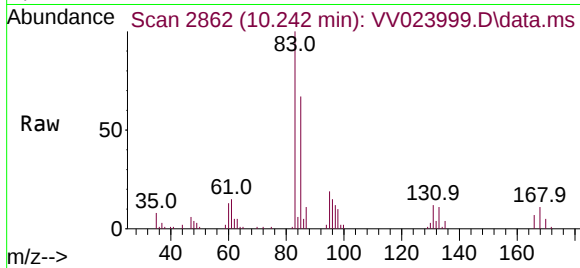




#57
1,1,2,2-Tetrachloroethane
Concen: 5.111 ug/L
RT: 10.242 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

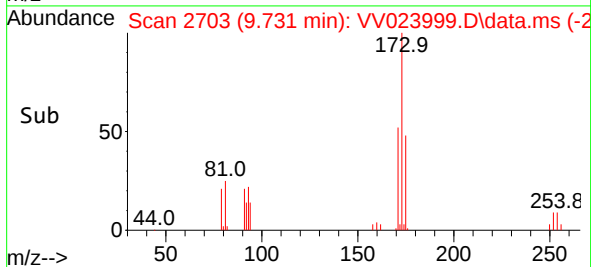
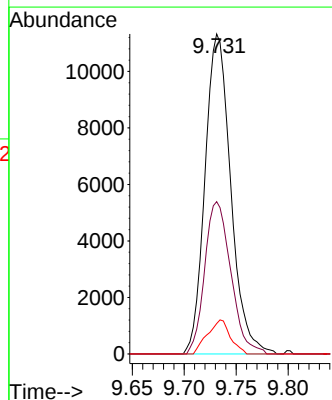
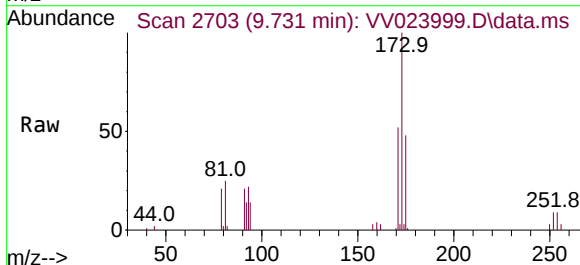
Instrument :
MSVOA_V
ClientSampleId :
BFB253

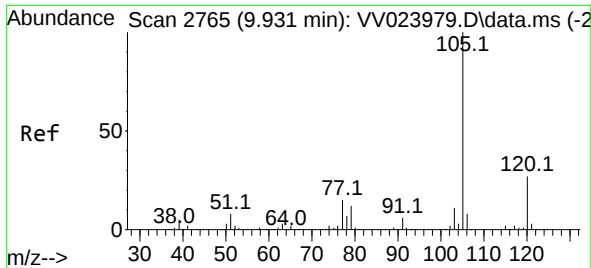
Tgt Ion: 83 Resp: 29699
Ion Ratio Lower Upper
83 100
85 67.4 44.6 82.8
131 12.3 8.3 12.5



#59
Bromoform
Concen: 4.855 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. -0.000 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Tgt Ion: 173 Resp: 19535
Ion Ratio Lower Upper
173 100
175 48.2 39.4 59.2
254 9.4 7.4 11.0

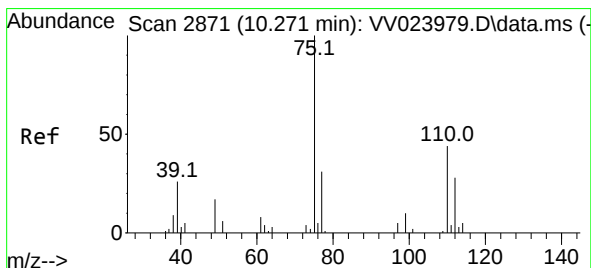
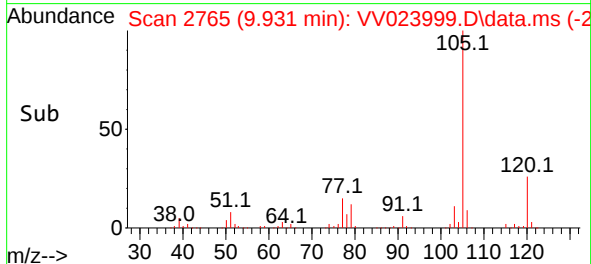
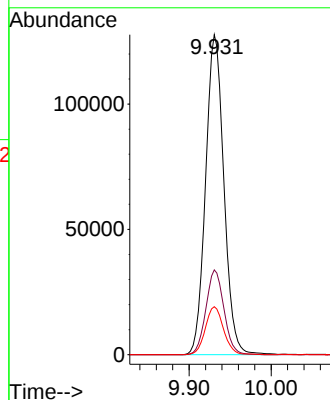
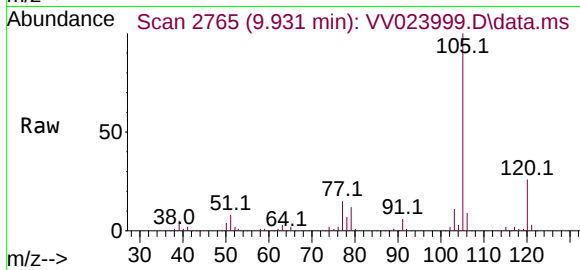




#60
Isopropylbenzene
Concen: 5.368 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

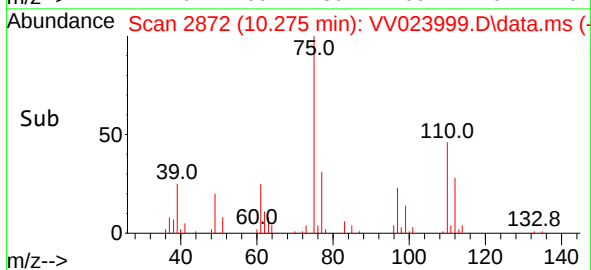
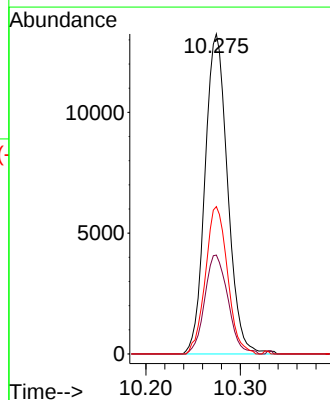
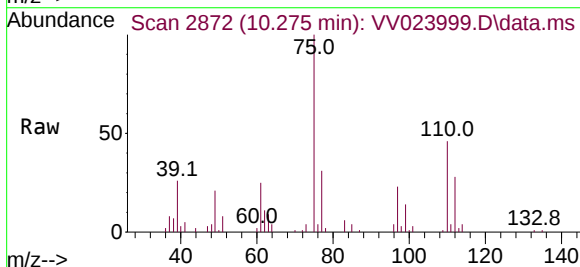
Instrument :
MSVOA_V
ClientSampleId :
BFB253

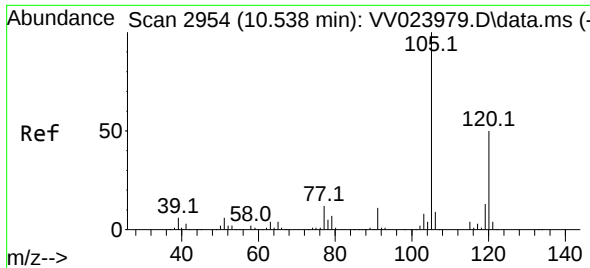
Tgt Ion:105 Resp: 197580
Ion Ratio Lower Upper
105 100
120 26.1 21.4 32.0
77 15.0 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 5.150 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Tgt Ion: 75 Resp: 21997
Ion Ratio Lower Upper
75 100
77 31.7 26.4 39.6
110 45.1 34.2 51.2

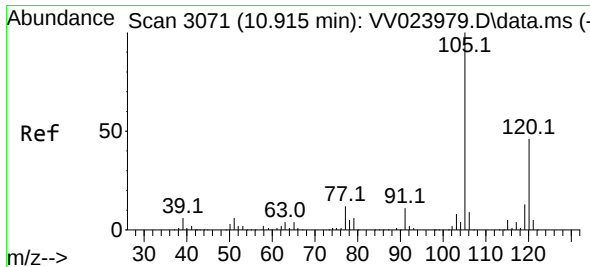
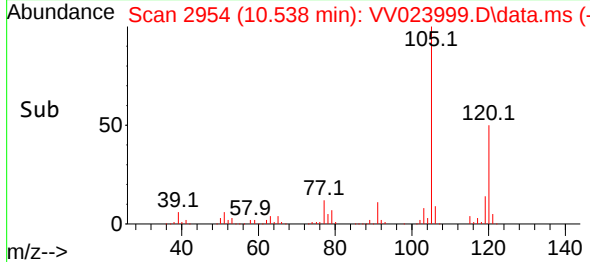
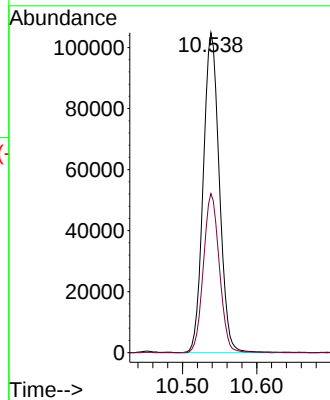
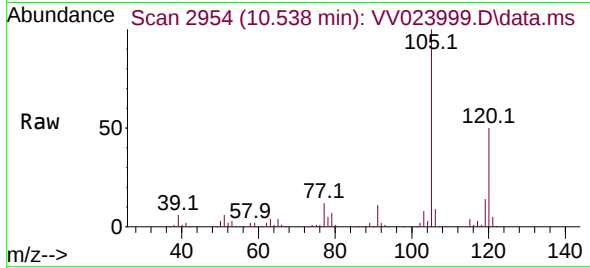




#62
1,3,5-Trimethylbenzene
Concen: 5.151 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

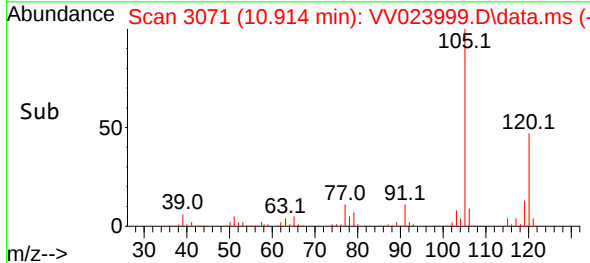
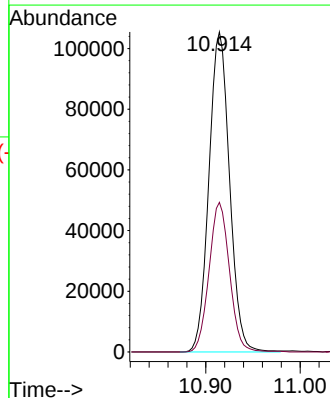
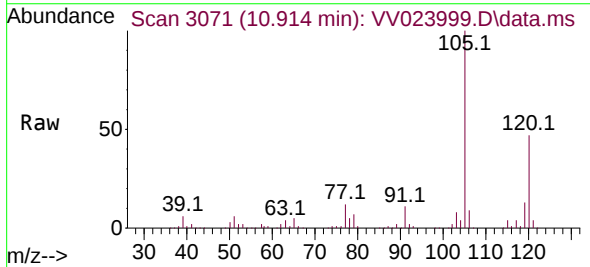
Instrument :
MSVOA_V
ClientSampleId :
BFB253

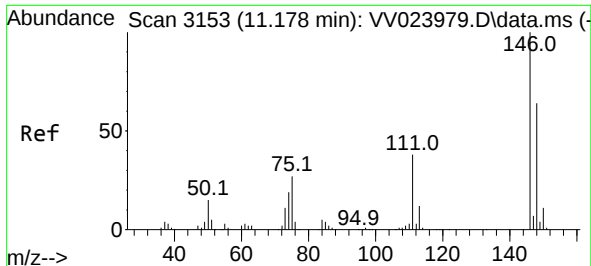
Tgt Ion:105 Resp: 157287
Ion Ratio Lower Upper
105 100
120 49.3 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 5.250 ug/L
RT: 10.914 min Scan# 3071
Delta R.T. -0.000 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Tgt Ion:105 Resp: 159707
Ion Ratio Lower Upper
105 100
120 46.4 36.7 55.1

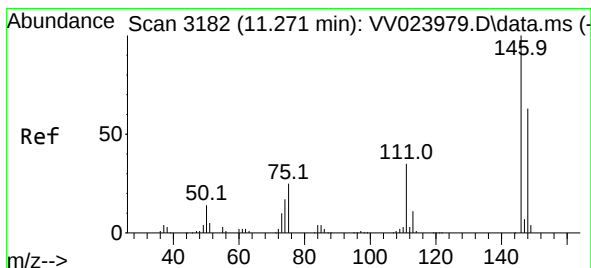
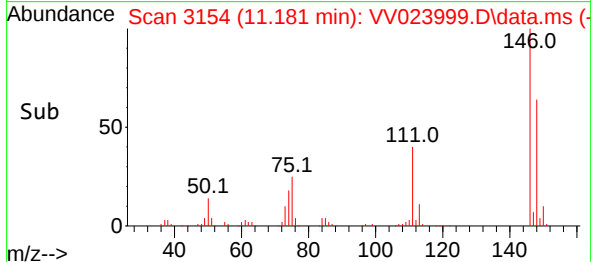
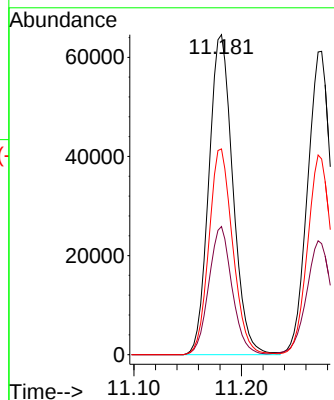
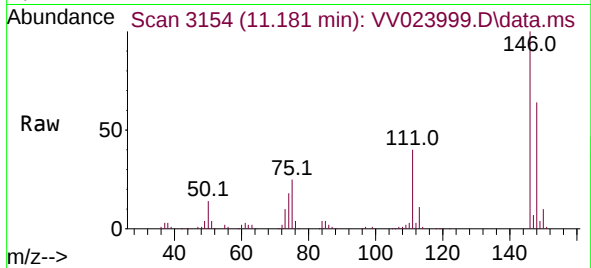




#64
1,3-Dichlorobenzene
Concen: 5.323 ug/L
RT: 11.181 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

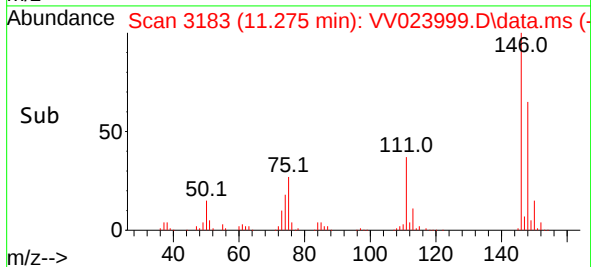
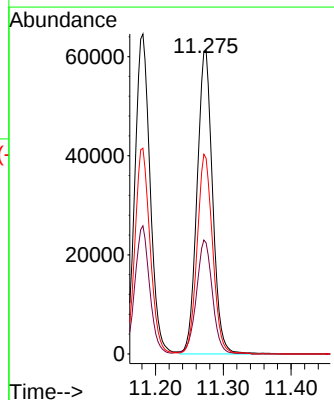
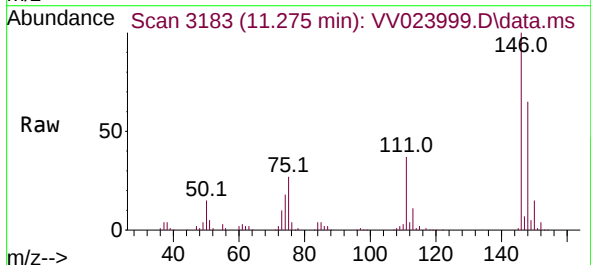
Instrument :
MSVOA_V
ClientSampleId :
BFB253

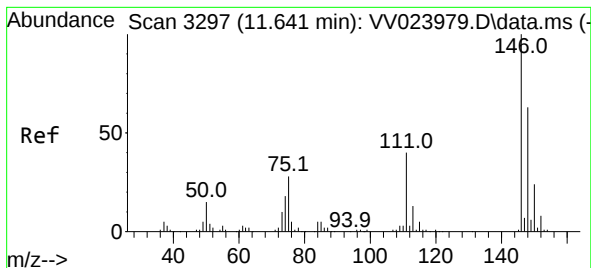
Tgt Ion:146 Resp: 100217
Ion Ratio Lower Upper
146 100
111 40.1 26.3 48.9
148 64.3 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.157 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Tgt Ion:146 Resp: 97512
Ion Ratio Lower Upper
146 100
111 36.6 25.6 47.6
148 64.5 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.275 ug/L

RT: 11.641 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

BFB253

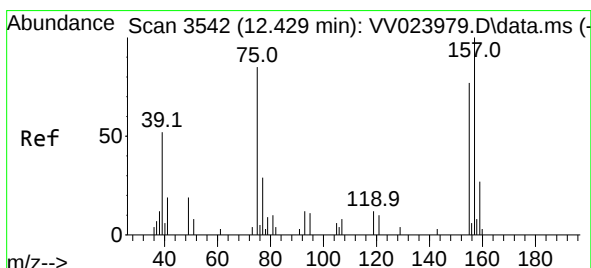
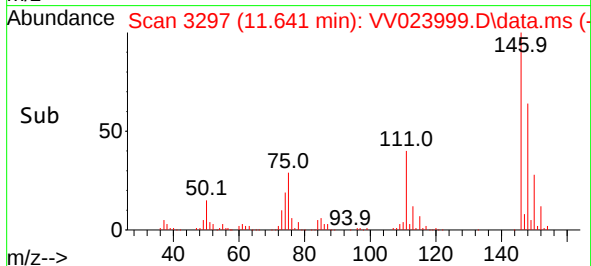
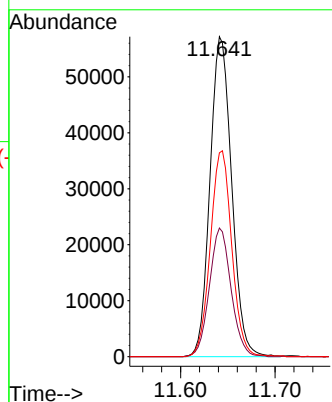
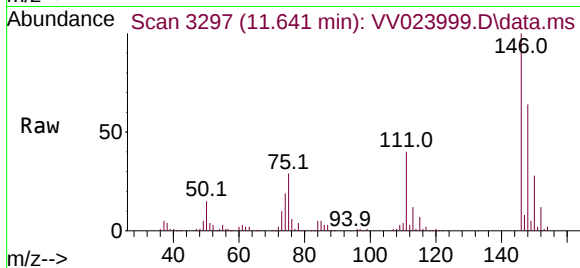
Tgt Ion:146 Resp: 90982

Ion Ratio Lower Upper

146 100

111 40.2 31.9 47.9

148 63.7 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.965 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

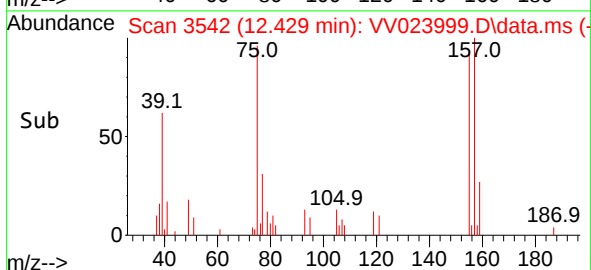
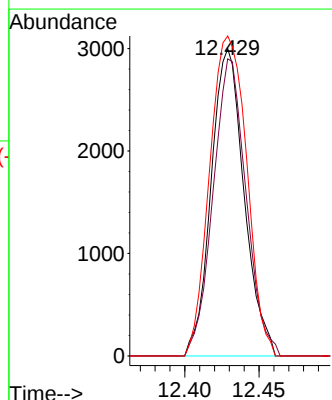
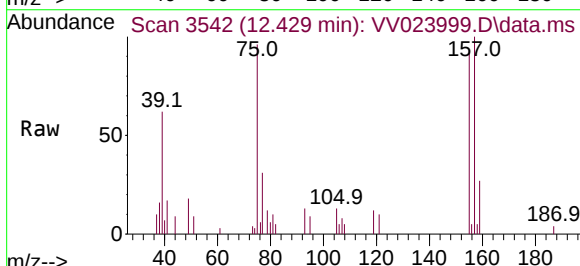
Tgt Ion: 75 Resp: 4631

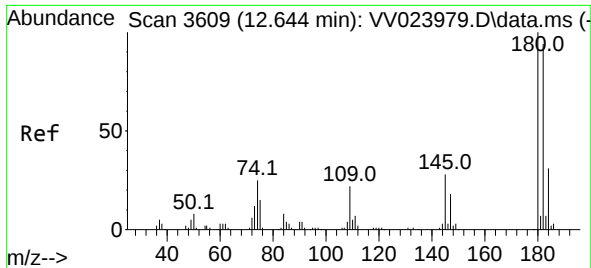
Ion Ratio Lower Upper

75 100

155 96.7 71.7 107.5

157 104.1 103.3 154.9





#69

1,3,5-Trichlorobenzene

Concen: 5.000 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

Instrument :

MSVOA_V

ClientSampleId :

BFB253

Tgt Ion:180 Resp: 77413

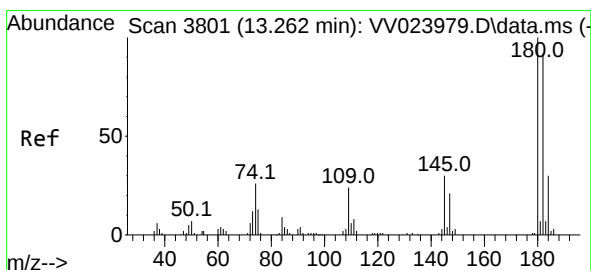
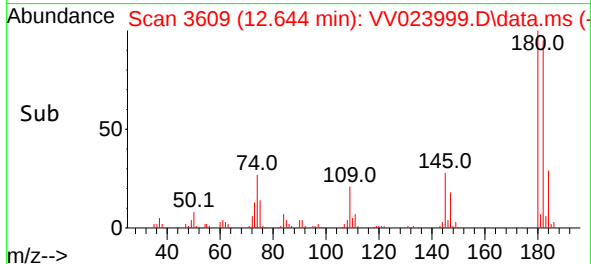
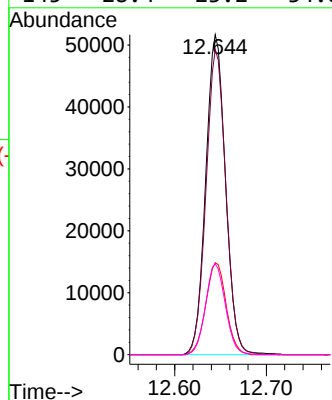
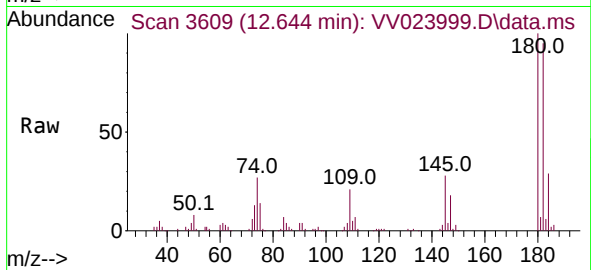
Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

184 29.6 24.2 36.4

145 28.4 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 4.716 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. -0.000 min

Lab File: VV023999.D

Acq: 15 Dec 2021 22:25

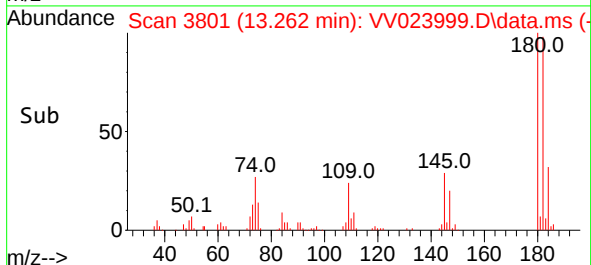
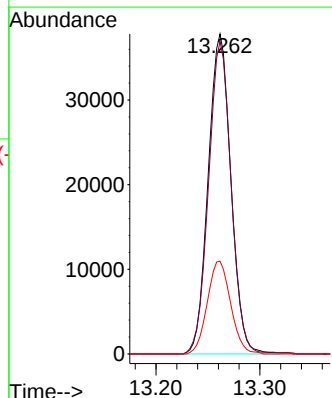
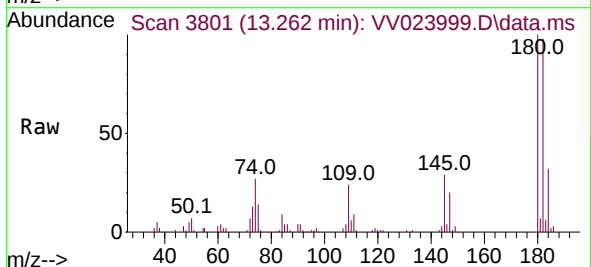
Tgt Ion:180 Resp: 57348

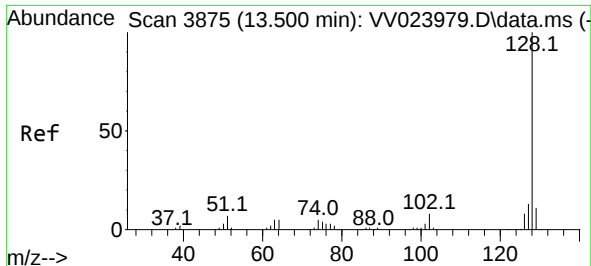
Ion Ratio Lower Upper

180 100

182 97.0 74.4 111.6

145 29.8 23.3 34.9

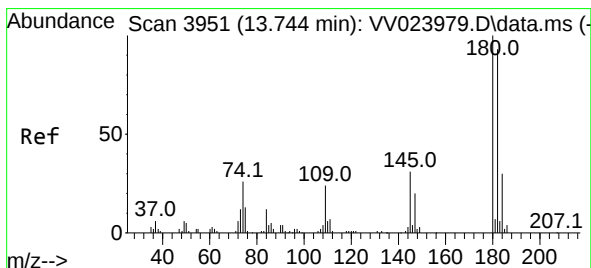
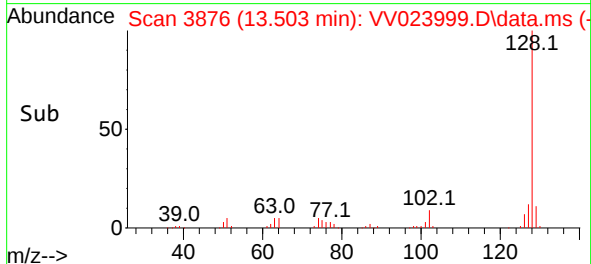
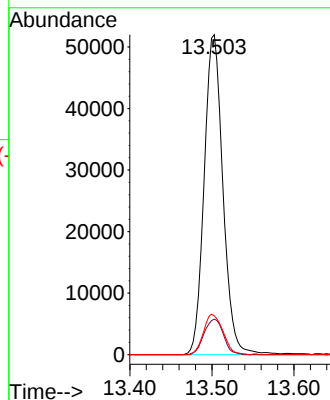
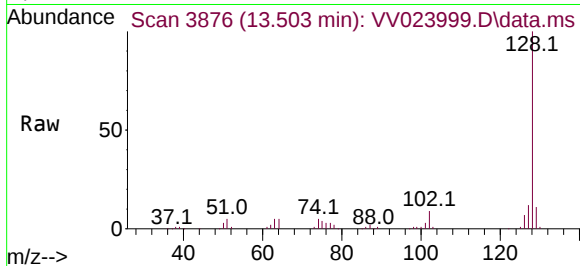




#71
Naphthalene
Concen: 4.740 ug/L
RT: 13.503 min Scan# 3875
Delta R.T. 0.003 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Instrument :
MSVOA_V
ClientSampleId :
BFB253

Tgt Ion:128 Resp: 82840
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.1 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.949 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VV023999.D
Acq: 15 Dec 2021 22:25

Tgt Ion:180 Resp: 53132
Ion Ratio Lower Upper
180 100
182 99.3 76.8 115.2
145 32.9 25.8 38.6

