

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121421\
 Data File : VW023956.D
 Acq On : 14 Dec 2021 10:11
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB251

Quant Time: Dec 15 01:37:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 11 04:33:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	103367	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	112200	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69214	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	29193	5.253	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 105.000%		
7) Chloroethane-d5	1.568	69	24263	5.233	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 104.600%		
11) 1,1-Dichloroethene-d2	2.111	63	62063	5.722	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 114.400%		
20) 2-Butanone-d5	3.899	46	35619	32.809	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 65.620%		
24) Chloroform-d	4.346	84	63075	5.011	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 100.200%		
26) 1,2-Dichloroethane-d4	5.031	65	28352	4.838	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 96.800%		
32) Benzene-d6	5.047	84	112146	5.046	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 101.000%		
36) 1,2-Dichloropropane-d6	6.066	67	30935	4.614	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 92.200%		
41) Toluene-d8	7.314	98	116563	5.826	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 116.600%		
43) trans-1,3-Dichloroprop...	7.622	79	13718	4.932	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 98.600%		
46) 2-Hexanone-d5	8.088	63	45830	36.807	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 73.620%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23390	4.205	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 84.200%		
66) 1,2-Dichlorobenzene-d4	11.622	152	43107	4.663	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 93.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	50809	5.647	ug/L	98
3) Chloromethane	1.240	50	40378	5.253	ug/L	98
5) Vinyl chloride	1.311	62	44538	5.342	ug/L	100
6) Bromomethane	1.523	94	27406	5.173	ug/L	97
8) Chloroethane	1.584	64	28527	5.258	ug/L	95
9) Trichlorofluoromethane	1.754	101	83310	5.751	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	43577	5.711	ug/L	99
12) 1,1-Dichloroethene	2.118	96	38678	5.577	ug/L	98
13) Acetone	2.192	43	42104	48.475	ug/L	82
14) Carbon disulfide	2.294	76	103073	5.124	ug/L	100
15) Methyl Acetate	2.436	43	8155	3.874	ug/L #	84
16) Methylene chloride	2.507	84	45565	5.022	ug/L	97
17) Methyl tert-butyl Ether	2.764	73	81612	5.204	ug/L	99
18) trans-1,2-Dichloroethene	2.757	96	41405	5.393	ug/L	99
19) 1,1-Dichloroethane	3.188	63	73587	5.341	ug/L	100
21) 2-Butanone	3.982	43	64086	51.640	ug/L	98
22) cis-1,2-Dichloroethene	3.909	96	42582	5.240	ug/L	92
23) Bromochloromethane	4.243	128	20967	5.678	ug/L	89
25) Chloroform	4.368	83	84148	5.494	ug/L	97

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 ALS Vial : 2 Sample Multiplier: 1

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 11 04:33:17 2021
 Response via : Initial Calibration

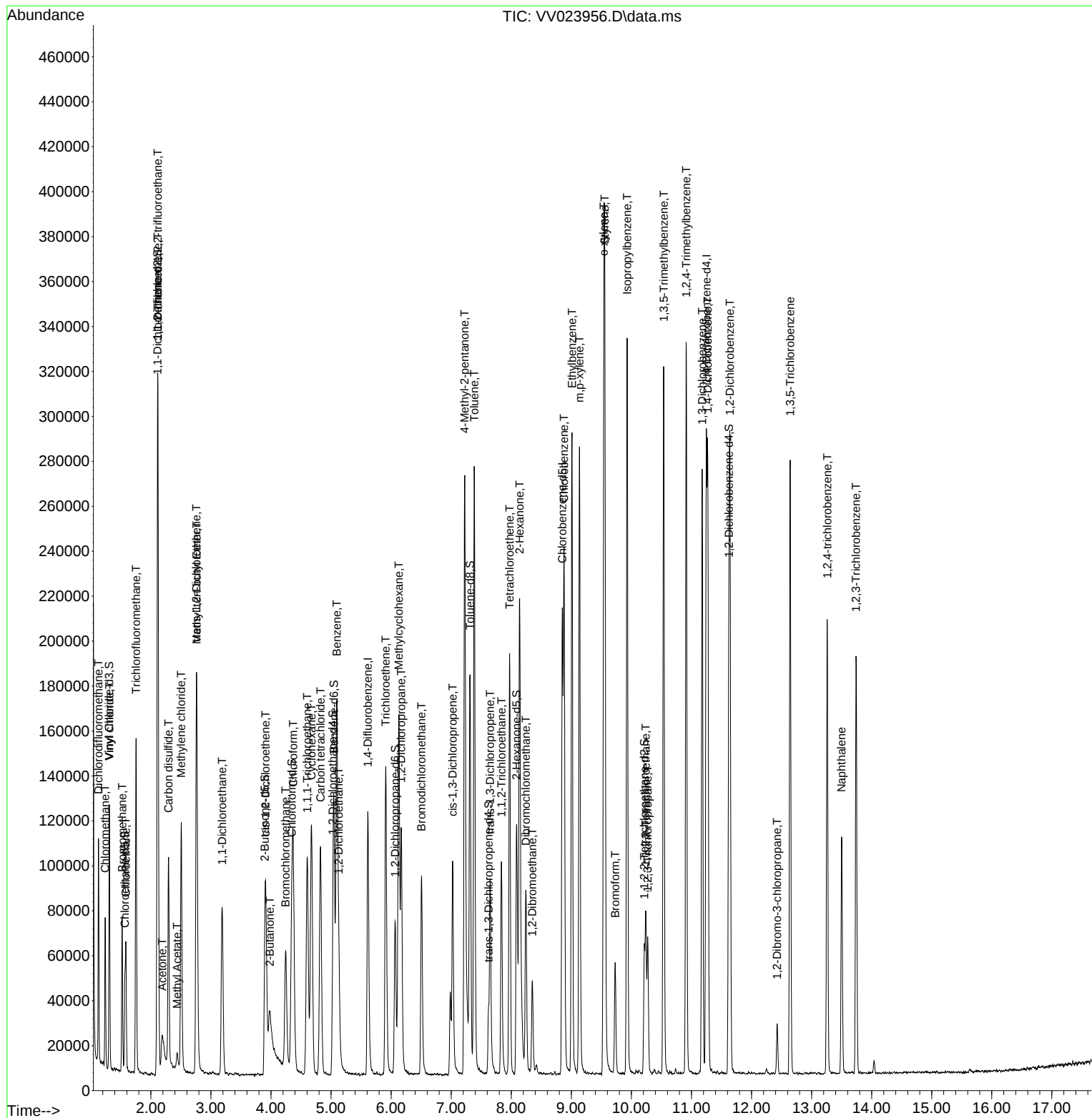
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	45958	5.538	ug/L	100
29) 1,1,1-Trichloroethane	4.603	97	79807	5.437	ug/L	100
30) Cyclohexane	4.674	56	55096	4.732	ug/L	100
31) Carbon tetrachloride	4.825	117	73816	5.350	ug/L	99
33) Benzene	5.095	78	167420	5.275	ug/L	100
34) Trichloroethene	5.908	95	45541	5.087	ug/L	97
35) Methylcyclohexane	6.127	83	64236	4.875	ug/L	99
37) 1,2-Dichloropropane	6.169	63	39579	5.246	ug/L	100
38) Bromodichloromethane	6.506	83	57984	5.426	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	54286	4.847	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	200983	55.459	ug/L	99
42) Toluene	7.384	91	192459	5.388	ug/L	98
44) trans-1,3-Dichloropropene	7.648	75	48188	4.978	ug/L	100
45) 1,1,2-Trichloroethane	7.838	97	29602	5.304	ug/L	99
47) Tetrachloroethene	7.973	164	41773	5.300	ug/L	97
48) 2-Hexanone	8.140	43	153244	58.319	ug/L	99
49) Dibromochloromethane	8.243	129	41562	5.473	ug/L	99
50) 1,2-Dibromoethane	8.349	107	27240	5.257	ug/L	91
51) Chlorobenzene	8.879	112	123434	5.170	ug/L	98
52) Ethylbenzene	9.011	91	196393	5.211	ug/L	98
53) m,p-xylene	9.137	106	78964	5.298	ug/L	96
54) o-xylene	9.542	106	75809	5.259	ug/L	98
55) Styrene	9.558	104	135711	5.655	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	31949	5.228	ug/L	97
59) Bromoform	9.731	173	23004	5.179	ug/L	99
60) Isopropylbenzene	9.931	105	207999	5.118	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	23807	5.049	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	167515	4.969	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	172101	5.124	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	109416	5.265	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	108393	5.193	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	99399	5.220	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	5211	5.060	ug/L	96
69) 1,3,5-Trichlorobenzene	12.644	180	85099	4.978	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	62575	4.661	ug/L	97
71) Naphthalene	13.500	128	85554	4.434	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	57511	4.852	ug/L	99

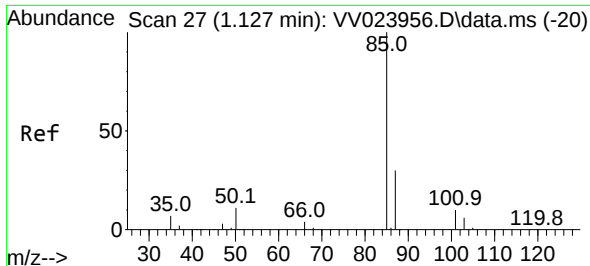
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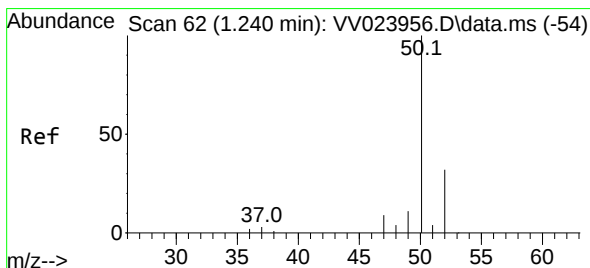
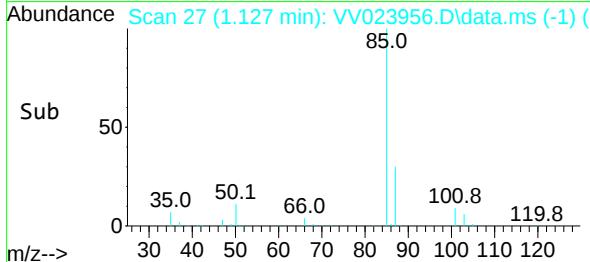
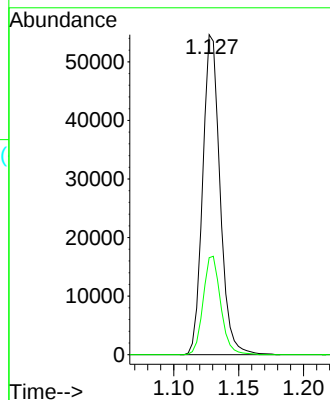
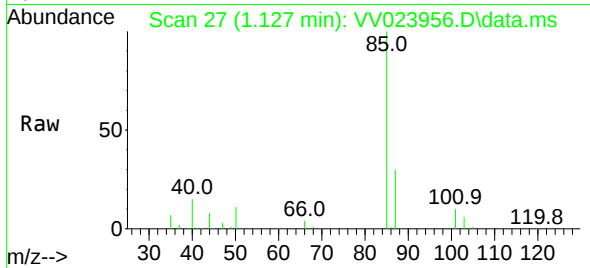




#2
 Dichlorodifluoromethane
 Concen: 5.647 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV023956.D
 Acq: 14 Dec 2021 10:11

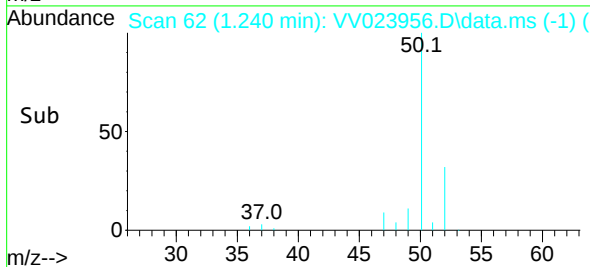
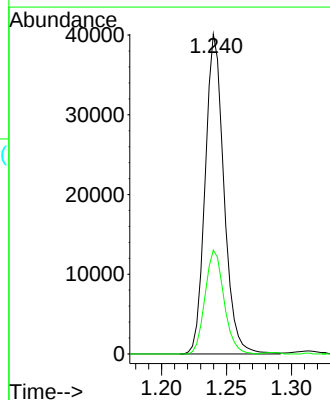
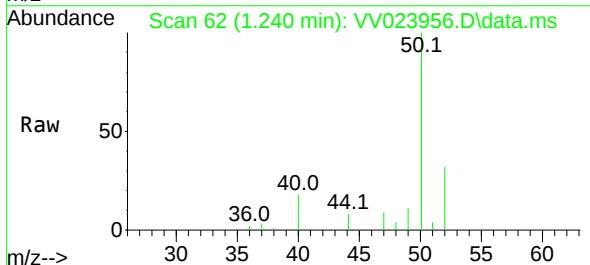
Instrument :
 MSVOA_V
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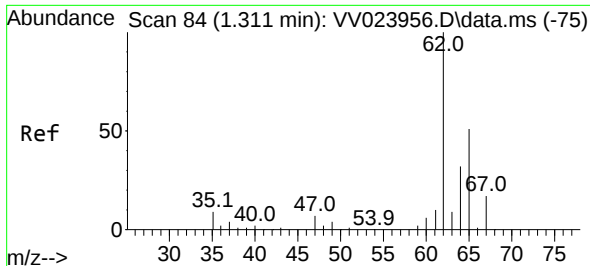
Tgt Ion: 85 Resp: 50809
 Ion Ratio Lower Upper
 85 100
 87 31.1 26.0 39.0



#3
 Chloromethane
 Concen: 5.253 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV023956.D
 Acq: 14 Dec 2021 10:11

Tgt Ion: 50 Resp: 40378
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.0 41.0

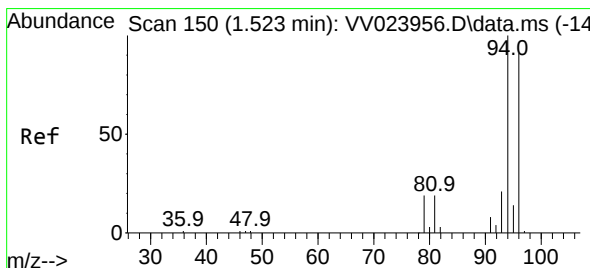
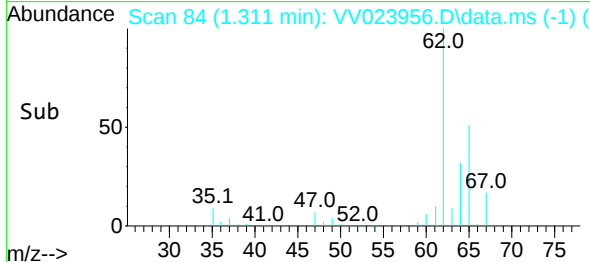
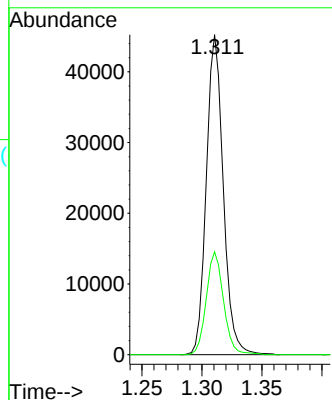
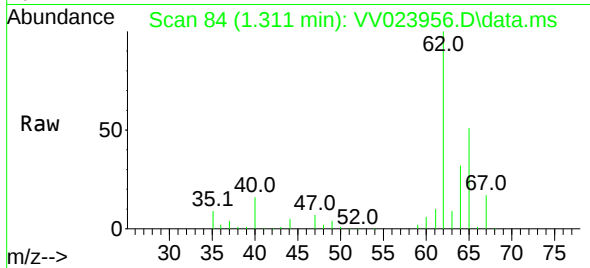




#5
 Vinyl chloride
 Concen: 5.342 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023956.D
 Acq: 14 Dec 2021 10:11

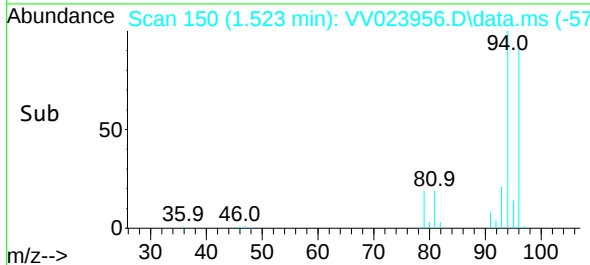
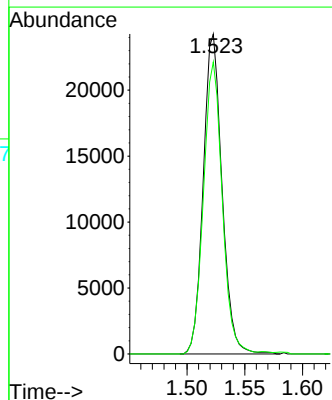
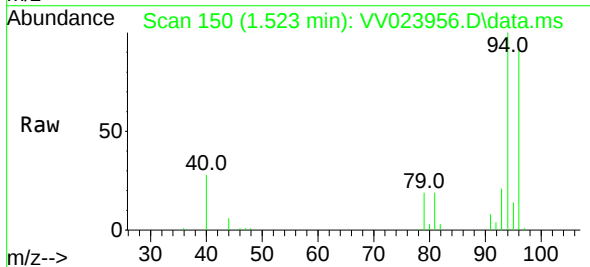
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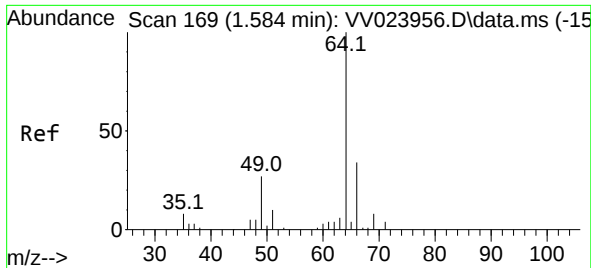
Tgt Ion: 62 Resp: 44538
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.4 41.6



#6
 Bromomethane
 Concen: 5.173 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV023956.D
 Acq: 14 Dec 2021 10:11

Tgt Ion: 94 Resp: 27406
 Ion Ratio Lower Upper
 94 100
 96 91.3 66.2 123.0

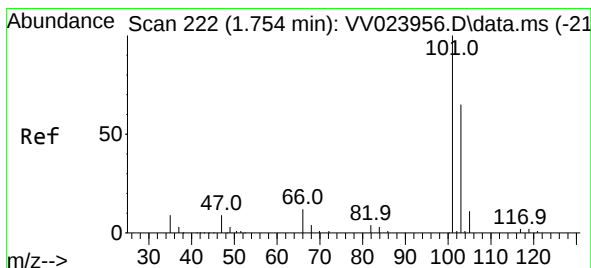
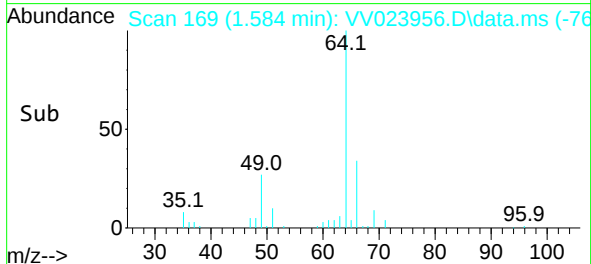
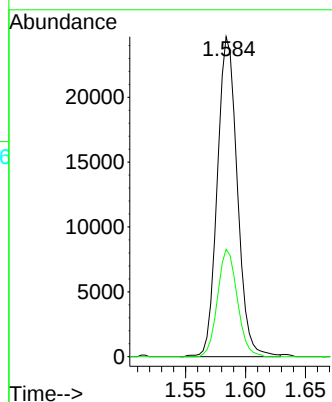
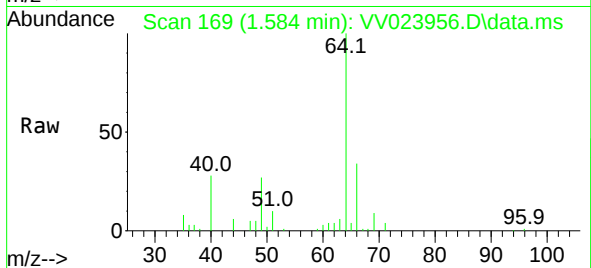




#8
Chloroethane
Concen: 5.258 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

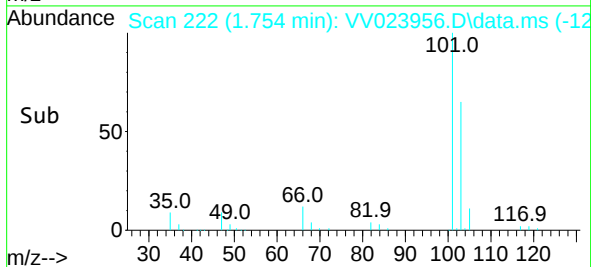
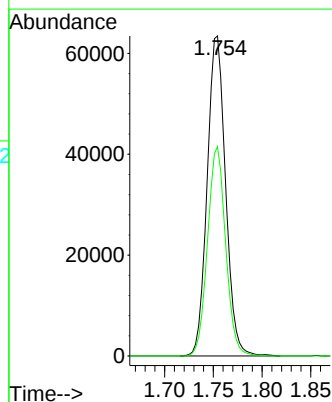
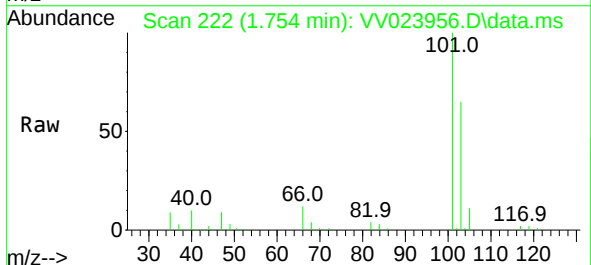
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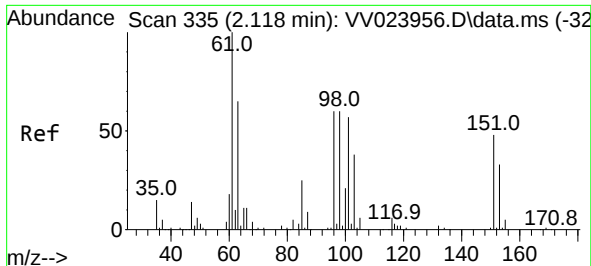
Tgt Ion: 64 Resp: 28527
Ion Ratio Lower Upper
64 100
66 33.5 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.751 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion:101 Resp: 83310
Ion Ratio Lower Upper
101 100
103 64.3 51.6 77.4

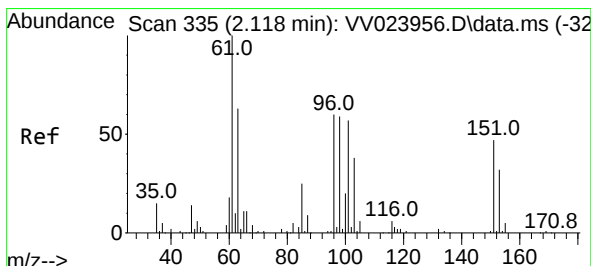
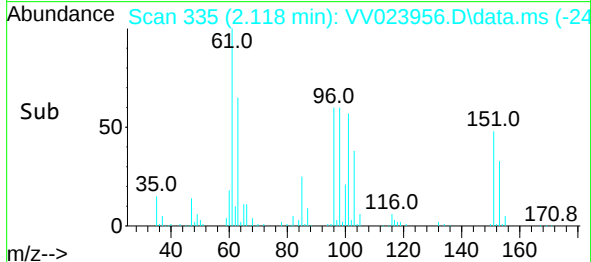
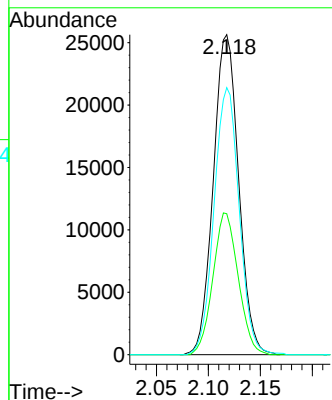
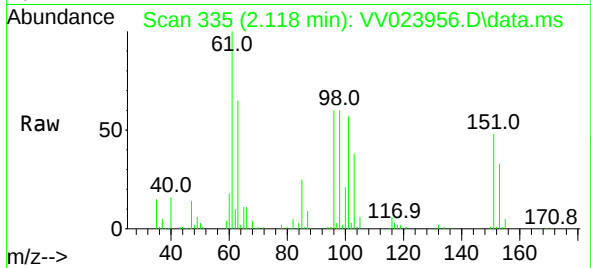




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.711 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV023956.D
 Acq: 14 Dec 2021 10:11

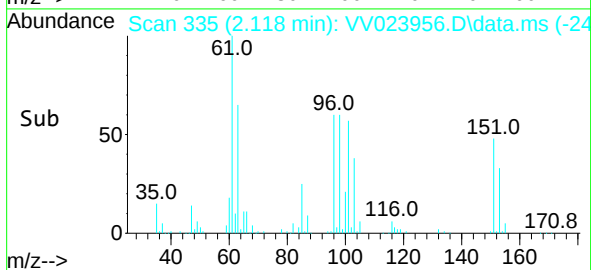
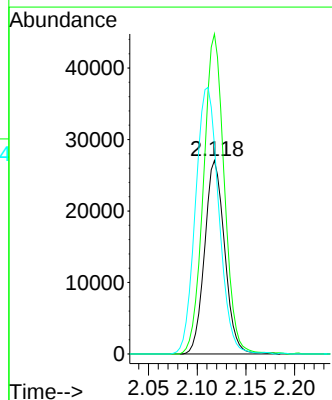
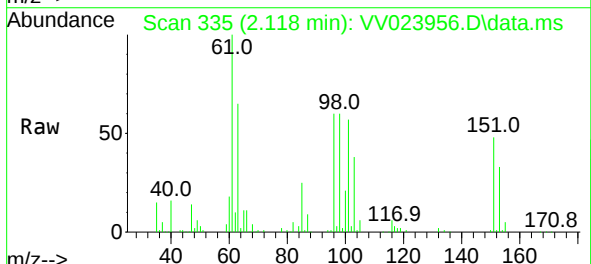
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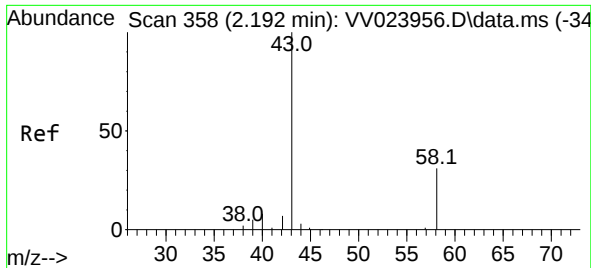
Tgt Ion:101 Resp: 43577
 Ion Ratio Lower Upper
 101 100
 85 44.1 36.0 54.0
 151 82.8 66.4 99.6



#12
 1,1-Dichloroethene
 Concen: 5.577 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV023956.D
 Acq: 14 Dec 2021 10:11

Tgt Ion: 96 Resp: 38678
 Ion Ratio Lower Upper
 96 100
 61 165.4 116.1 215.5
 63 107.9 79.4 147.4





#13

Acetone

Concen: 48.475 ug/L

RT: 2.192 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Instrument :

MSVOA_V

ClientSampleId :

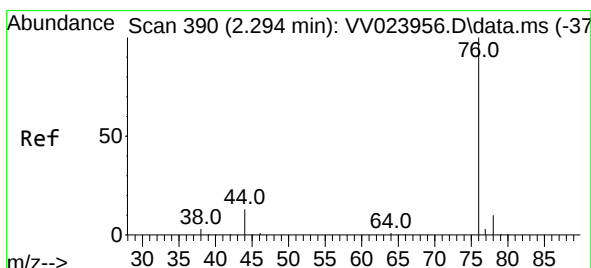
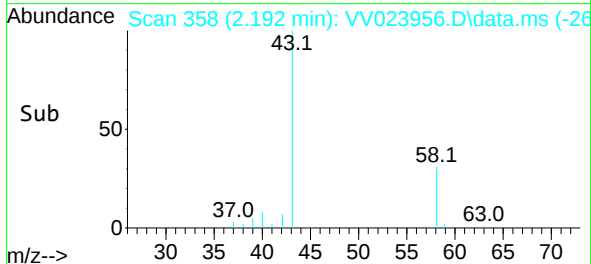
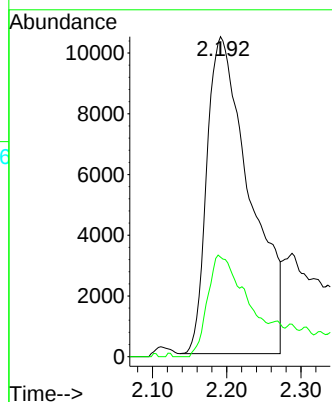
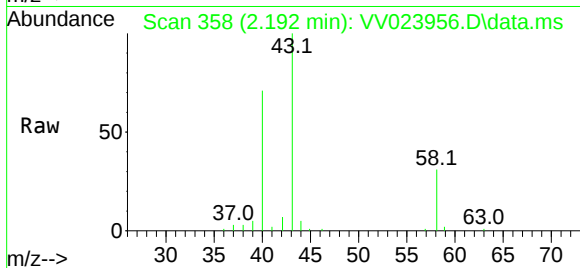
BFB251

Tgt Ion: 43 Resp: 42104

Ion Ratio Lower Upper

43 100

58 29.0 0.0 41.4



#14

Carbon disulfide

Concen: 5.124 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV023956.D

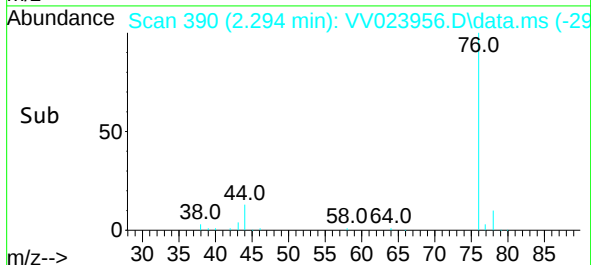
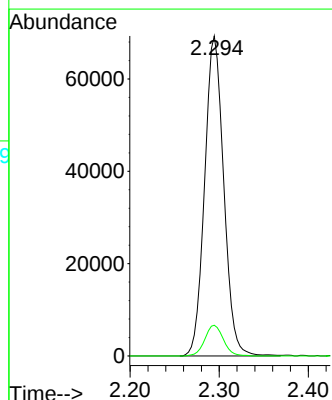
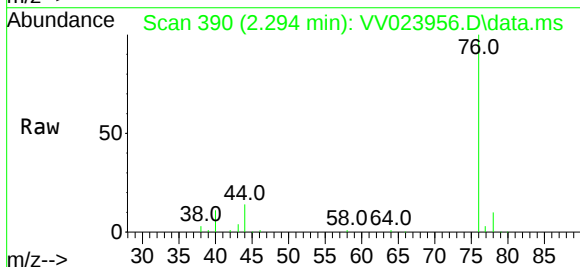
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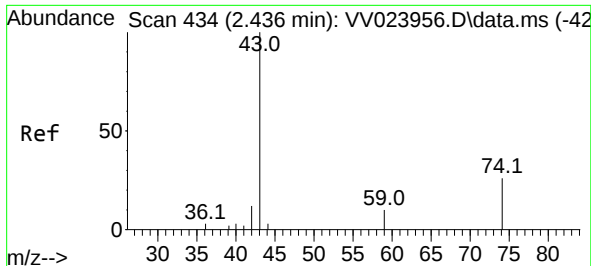
Tgt Ion: 76 Resp: 103073

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3





#15

Methyl Acetate

Concen: 3.874 ug/L

RT: 2.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

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ClientSampleId :

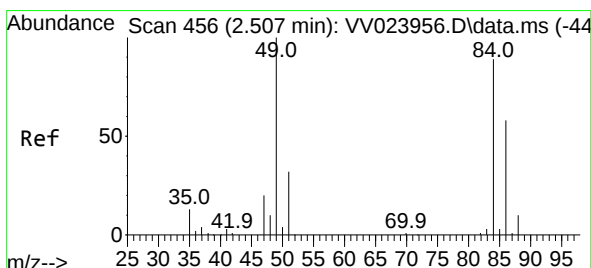
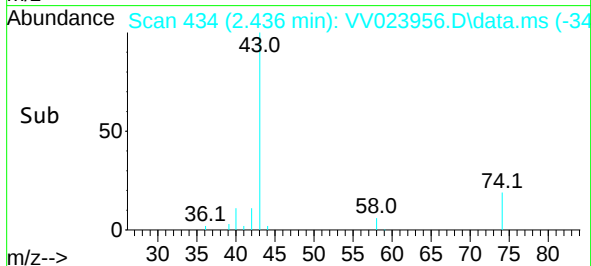
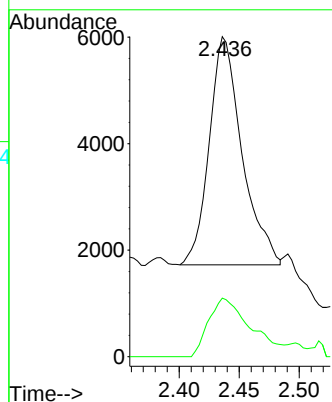
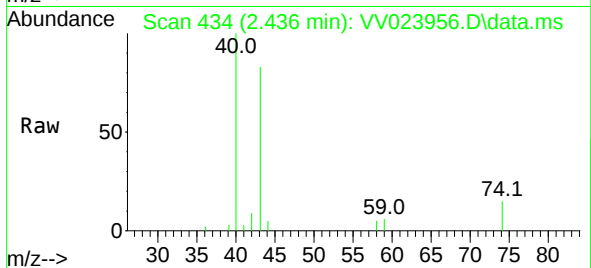
BFB251

Tgt Ion: 43 Resp: 8155

Ion Ratio Lower Upper

43 100

74 33.1 20.2 30.2#



#16

Methylene chloride

Concen: 5.022 ug/L

RT: 2.507 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

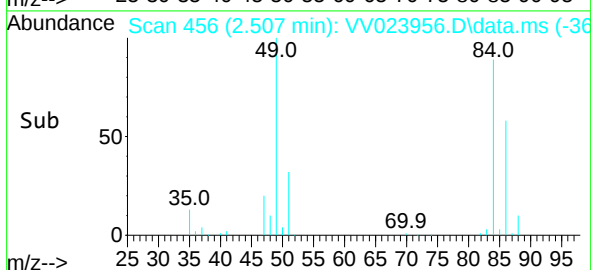
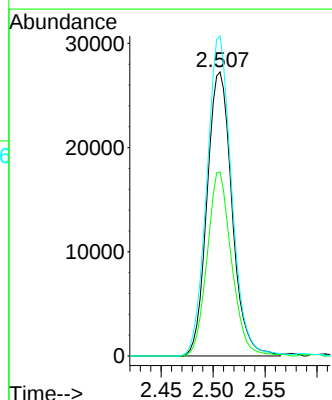
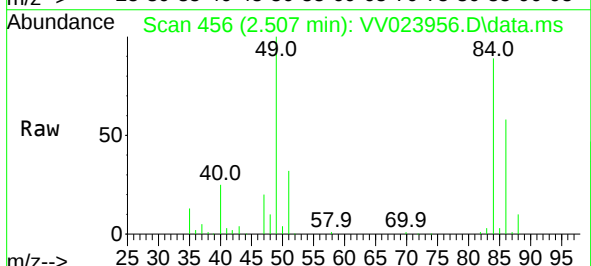
Tgt Ion: 84 Resp: 45565

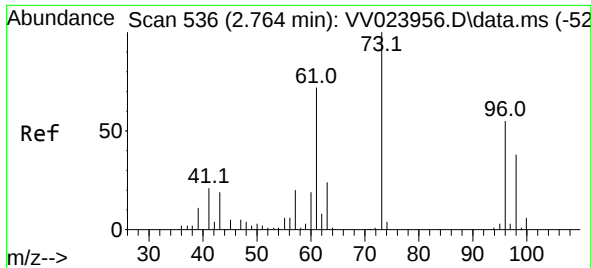
Ion Ratio Lower Upper

84 100

86 64.8 42.6 79.0

49 112.7 79.7 147.9

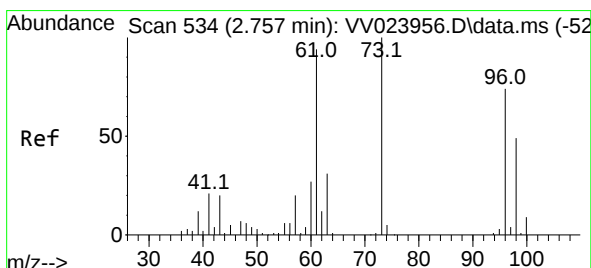
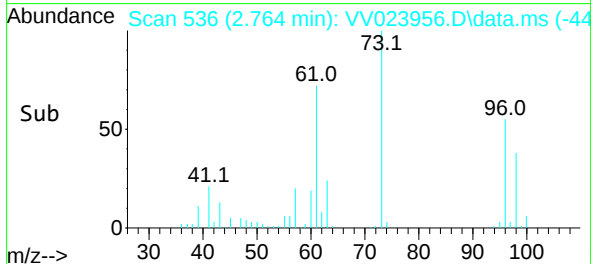
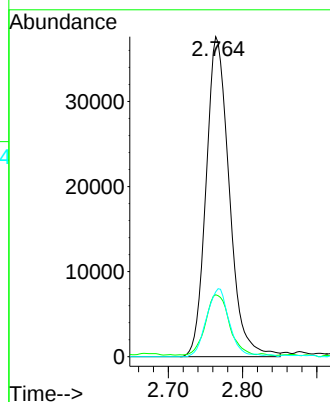
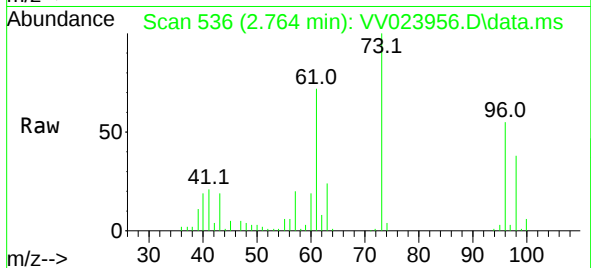




#17
Methyl tert-butyl Ether
Concen: 5.204 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

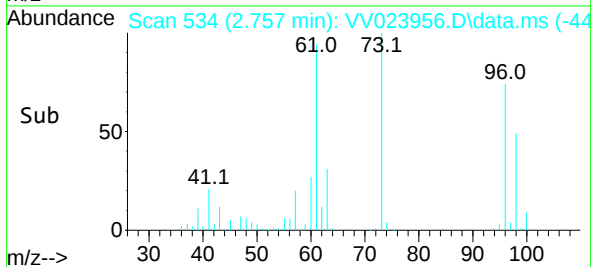
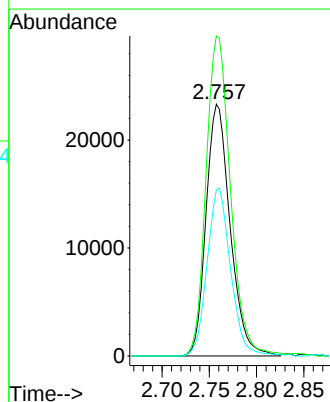
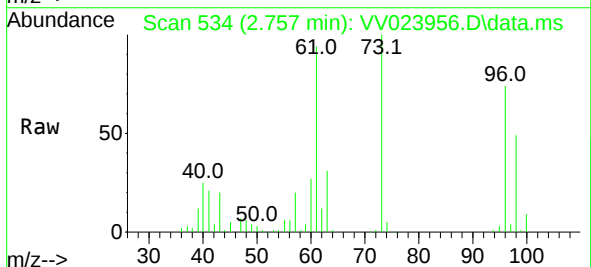
Instrument :
MSVOA_V
ClientSampleId :
BFB251

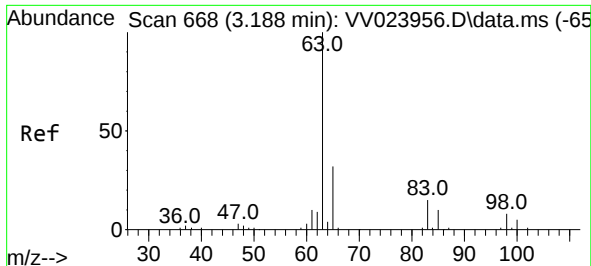
Tgt Ion: 73 Resp: 81612
Ion Ratio Lower Upper
73 100
43 19.1 15.5 23.3
57 20.9 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.393 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion: 96 Resp: 41405
Ion Ratio Lower Upper
96 100
61 127.1 88.2 163.8
98 65.9 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.341 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Instrument :

MSVOA_V

ClientSampleId :

BFB251

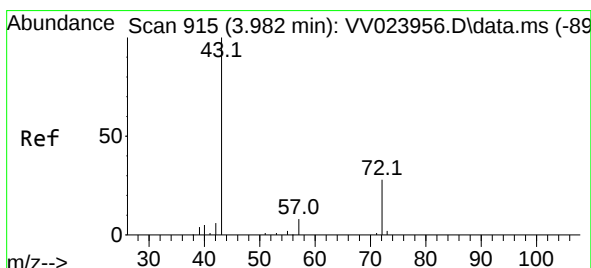
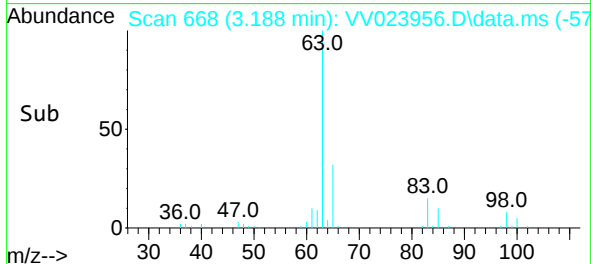
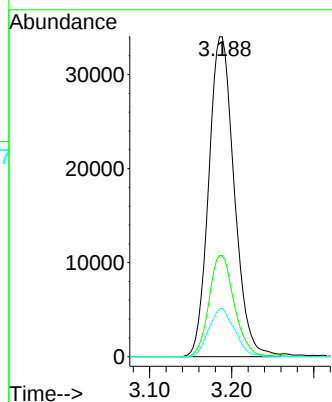
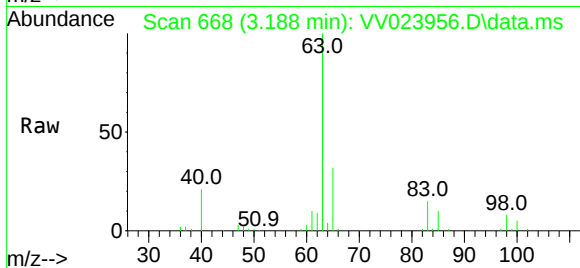
Tgt Ion: 63 Resp: 73587

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.3

83 15.1 10.7 19.9



#21

2-Butanone

Concen: 51.640 ug/L

RT: 3.982 min Scan# 915

Delta R.T. -0.006 min

Lab File: VV023956.D

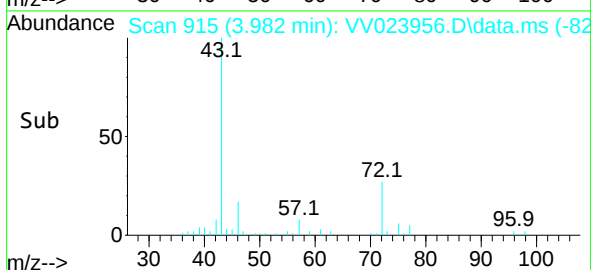
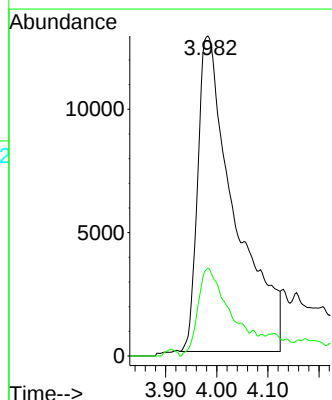
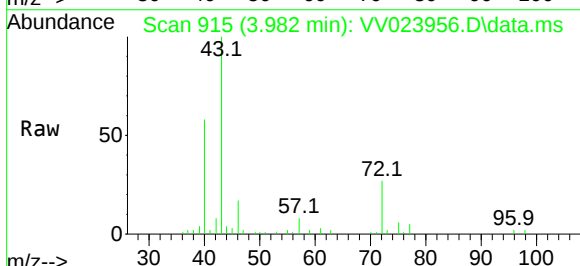
Acq: 14 Dec 2021 10:11

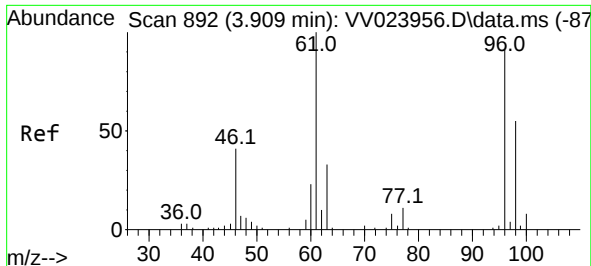
Tgt Ion: 43 Resp: 64086

Ion Ratio Lower Upper

43 100

72 23.0 11.1 33.1

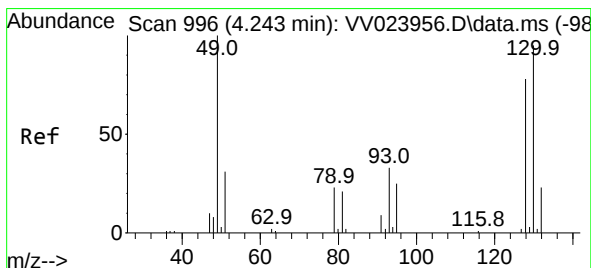
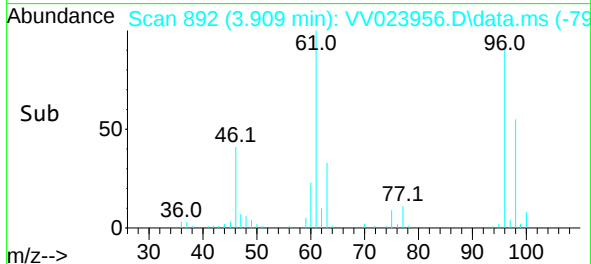
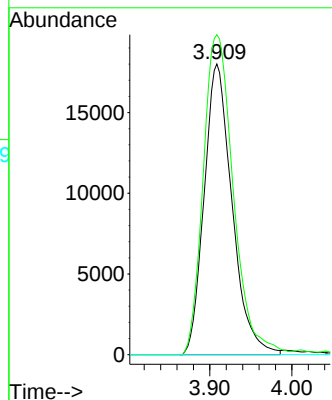
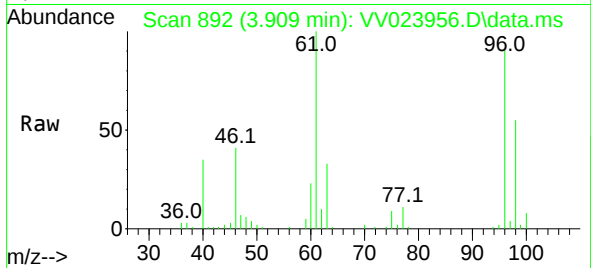




#22
 cis-1,2-Dichloroethene
 Concen: 5.240 ug/L
 RT: 3.909 min Scan# 892
 Delta R.T. 0.000 min
 Lab File: VV023956.D
 Acq: 14 Dec 2021 10:11

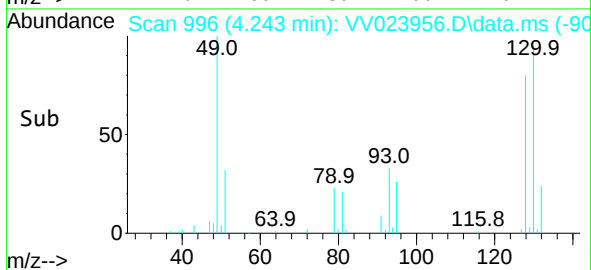
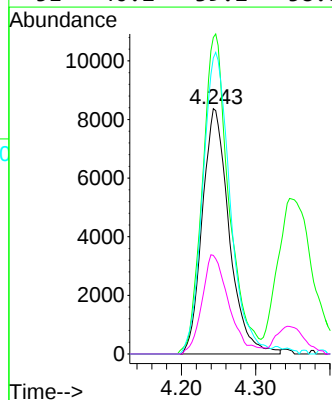
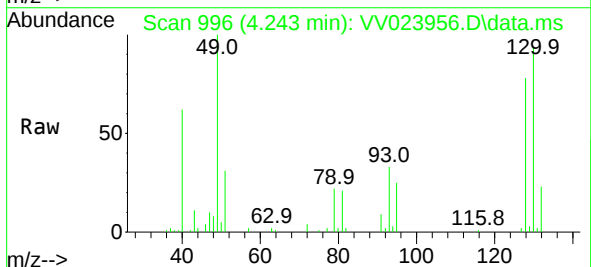
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB251

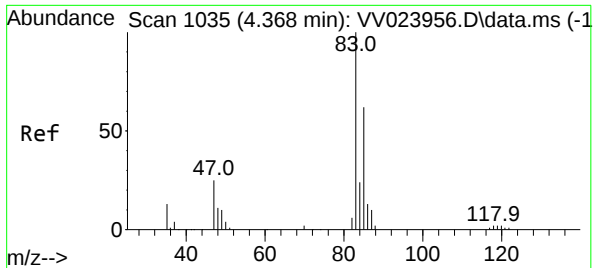
Tgt Ion: 96 Resp: 42582
 Ion Ratio Lower Upper
 96 100
 61 110.1 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.678 ug/L
 RT: 4.243 min Scan# 996
 Delta R.T. 0.000 min
 Lab File: VV023956.D
 Acq: 14 Dec 2021 10:11

Tgt Ion: 128 Resp: 20967
 Ion Ratio Lower Upper
 128 100
 49 129.0 100.2 186.2
 130 120.6 92.5 171.7
 51 40.2 39.2 58.8

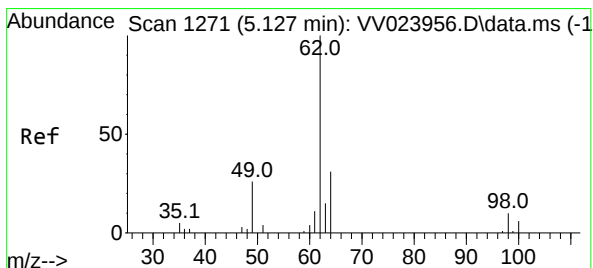
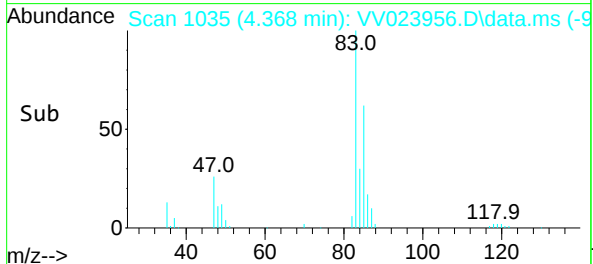
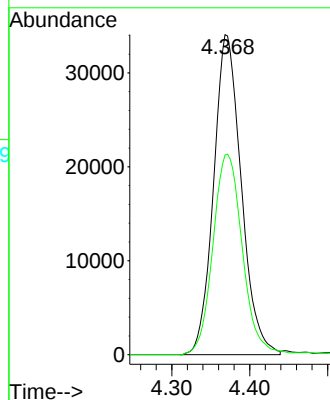
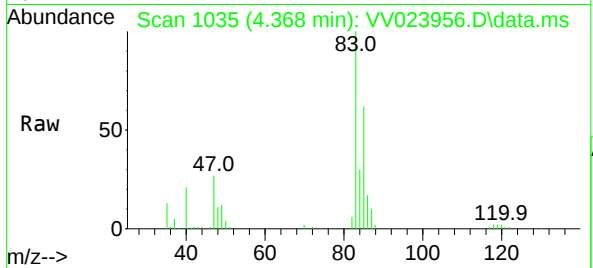




#25
Chloroform
Concen: 5.494 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

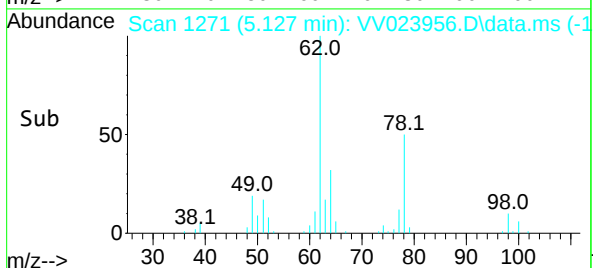
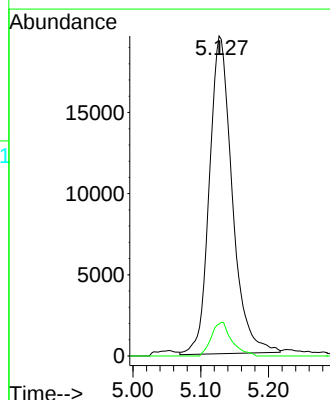
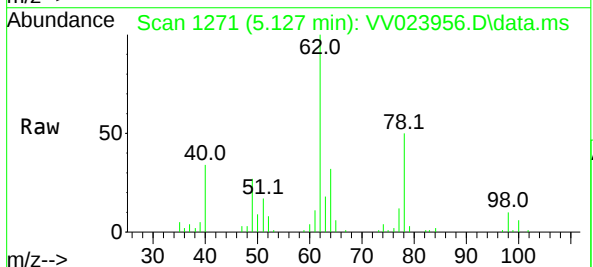
Instrument :
MSVOA_V
ClientSampleId :
BFB251

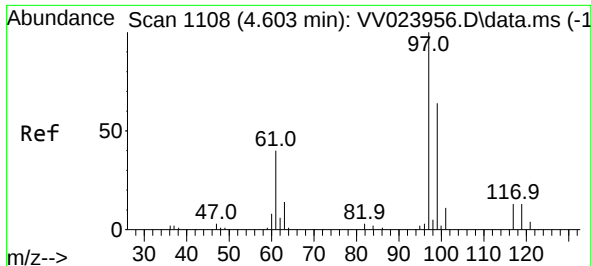
Tgt Ion: 83 Resp: 84148
Ion Ratio Lower Upper
83 100
85 62.4 45.2 84.0



#27
1,2-Dichloroethane
Concen: 5.538 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion: 62 Resp: 45958
Ion Ratio Lower Upper
62 100
98 10.0 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.437 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Instrument :

MSVOA_V

ClientSampleId :

BFB251

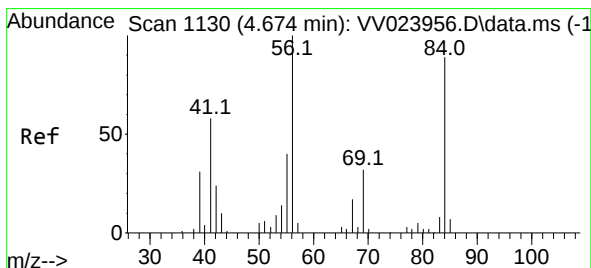
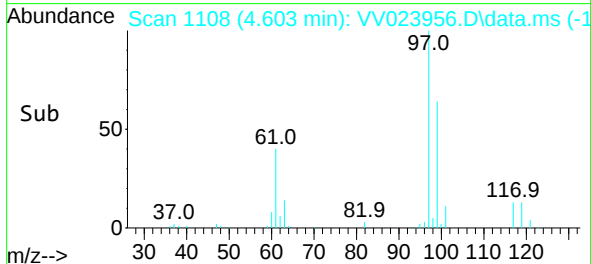
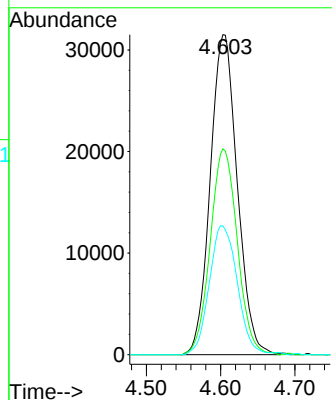
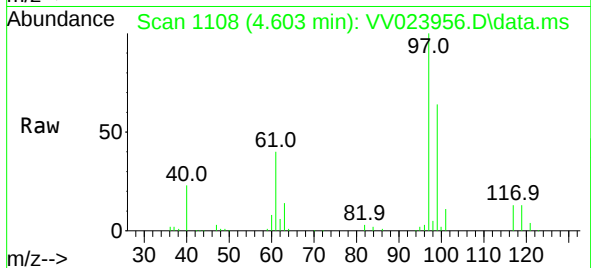
Tgt Ion: 97 Resp: 79807

Ion Ratio Lower Upper

97 100

99 64.4 51.9 77.9

61 41.6 33.2 49.8



#30

Cyclohexane

Concen: 4.732 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

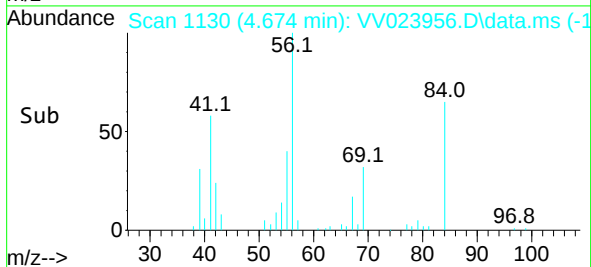
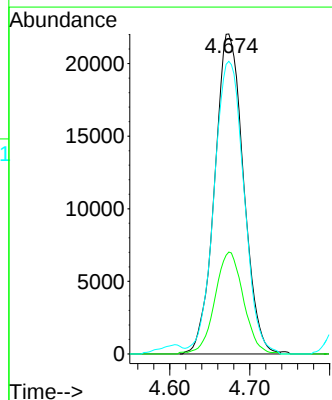
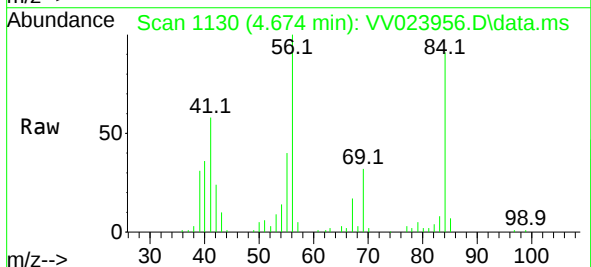
Tgt Ion: 56 Resp: 55096

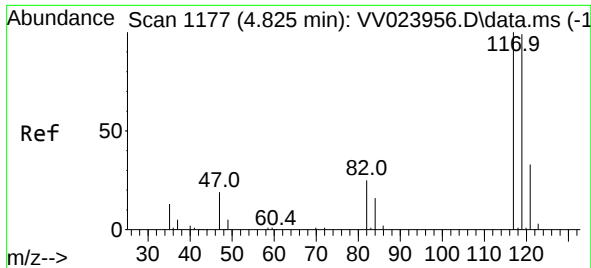
Ion Ratio Lower Upper

56 100

69 31.5 24.8 37.2

84 95.0 75.9 113.9

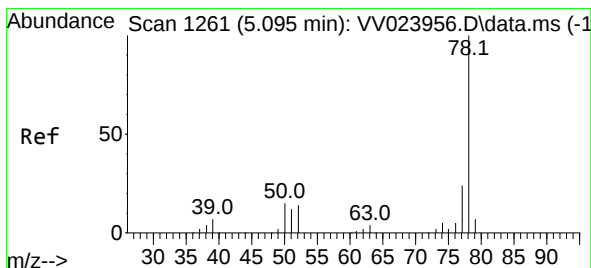
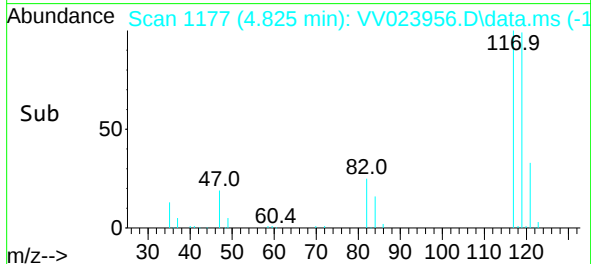
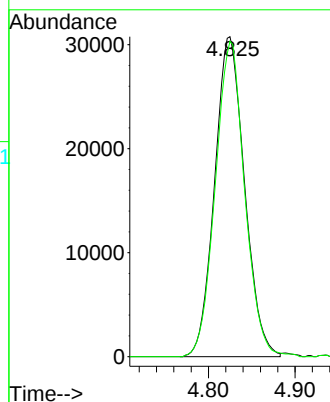
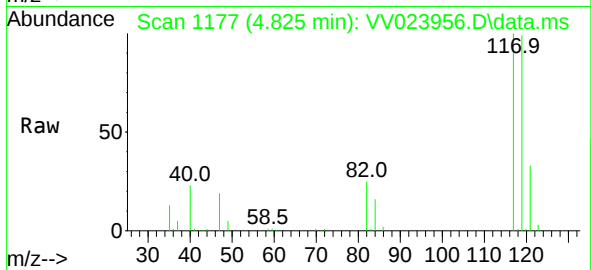




#31
Carbon tetrachloride
Concen: 5.350 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

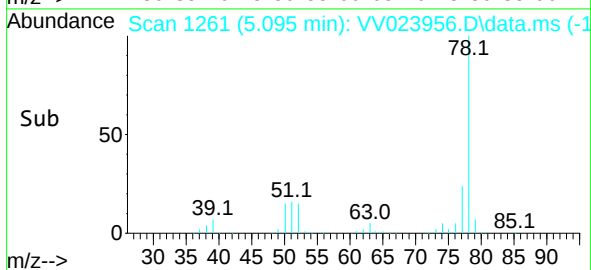
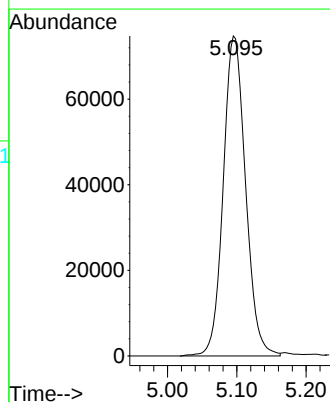
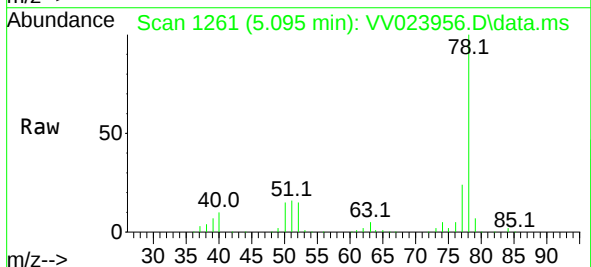
Instrument :
MSVOA_V
ClientSampleId :
BFB251

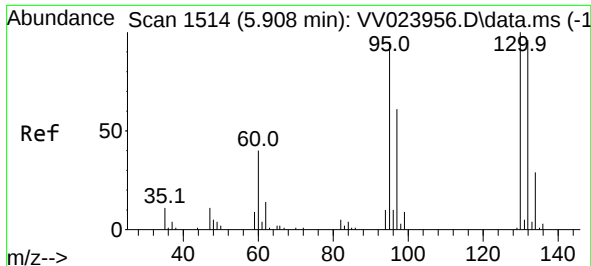
Tgt Ion:117 Resp: 73816
Ion Ratio Lower Upper
117 100
119 97.0 76.6 114.8



#33
Benzene
Concen: 5.275 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion: 78 Resp: 167420

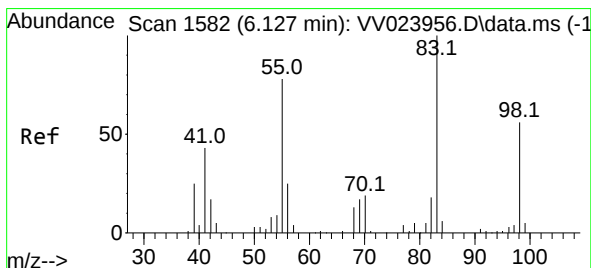
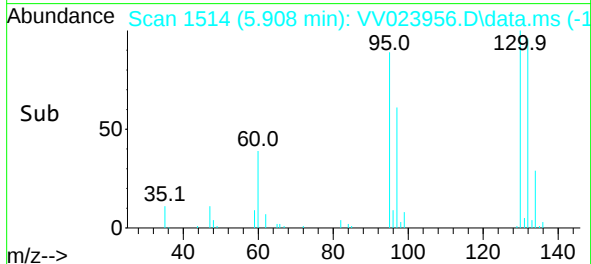
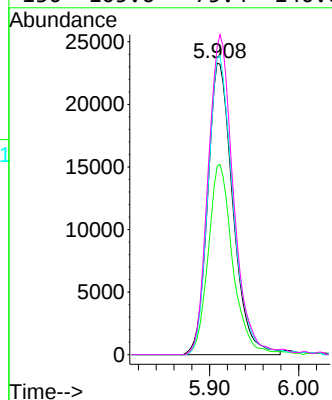
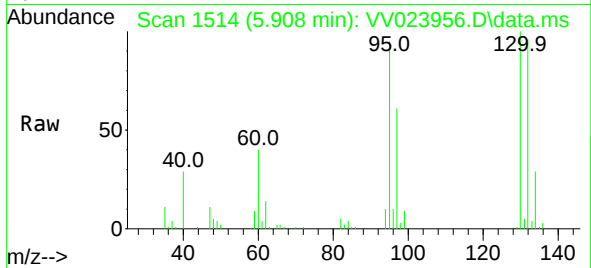




#34
Trichloroethene
Concen: 5.087 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

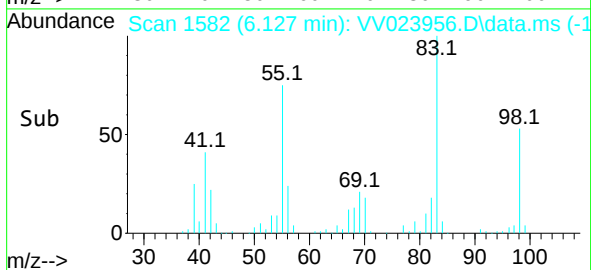
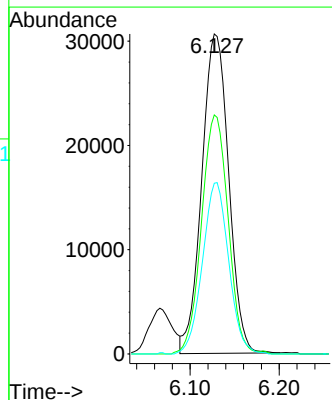
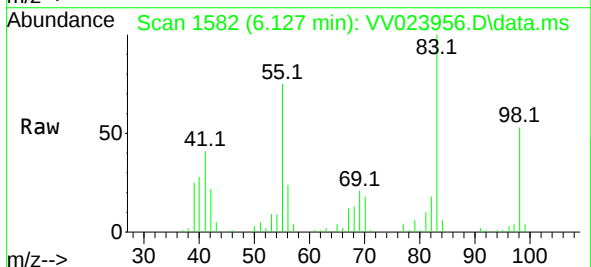
Instrument :
MSVOA_V
ClientSampleId :
BFB251

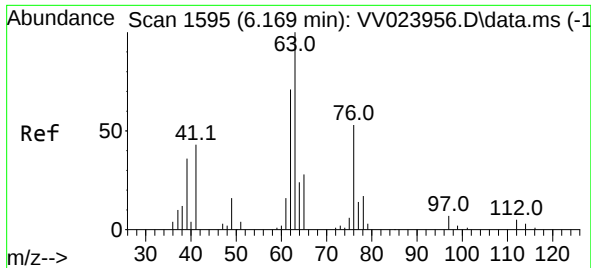
Tgt Ion: 95 Resp: 45541
Ion Ratio Lower Upper
95 100
97 64.6 45.2 84.0
132 101.9 76.1 141.3
130 105.6 75.4 140.0



#35
Methylcyclohexane
Concen: 4.875 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. -0.003 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion: 83 Resp: 64236
Ion Ratio Lower Upper
83 100
55 74.2 60.2 90.2
98 52.4 41.0 61.4

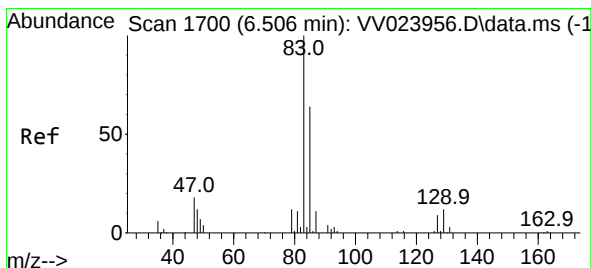
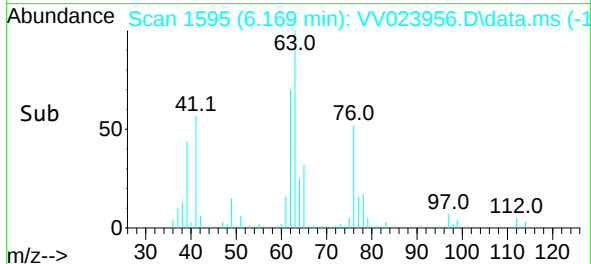
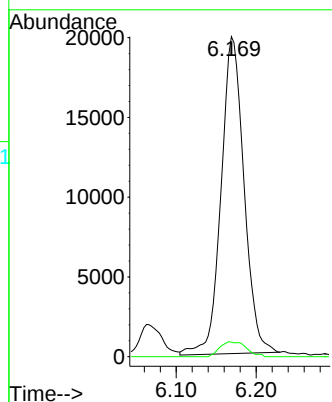
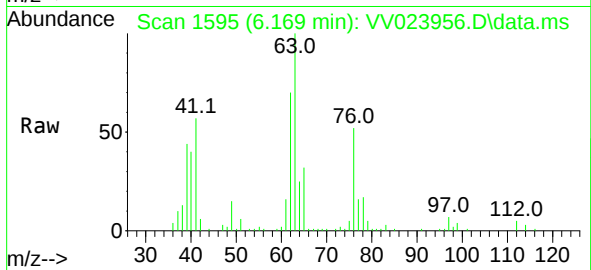




#37
1,2-Dichloropropane
Concen: 5.246 ug/L
RT: 6.169 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

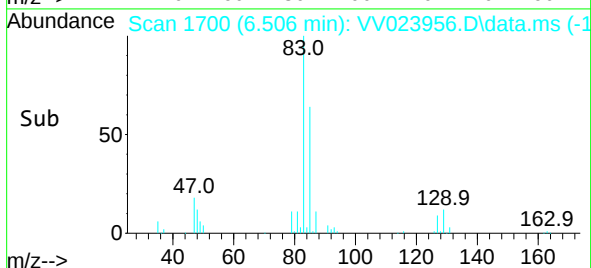
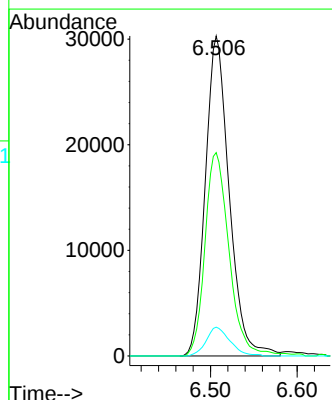
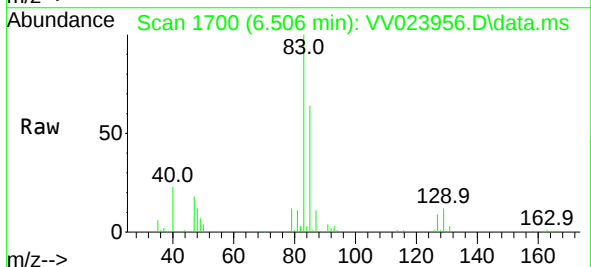
Instrument :
MSVOA_V
ClientSampleId :
BFB251

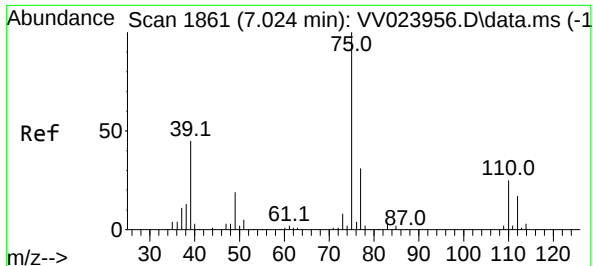
Tgt Ion: 63 Resp: 39579
Ion Ratio Lower Upper
63 100
112 5.4 4.3 6.5



#38
Bromodichloromethane
Concen: 5.426 ug/L
RT: 6.506 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion: 83 Resp: 57984
Ion Ratio Lower Upper
83 100
85 63.5 44.0 81.8
127 9.0 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 4.847 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.003 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Instrument :

MSVOA_V

ClientSampleId :

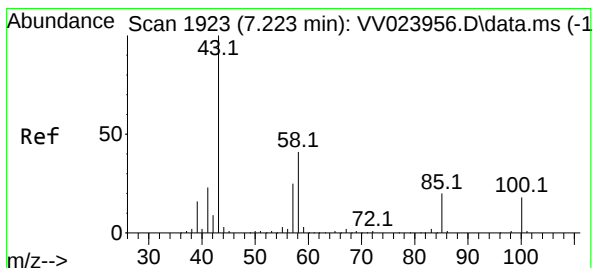
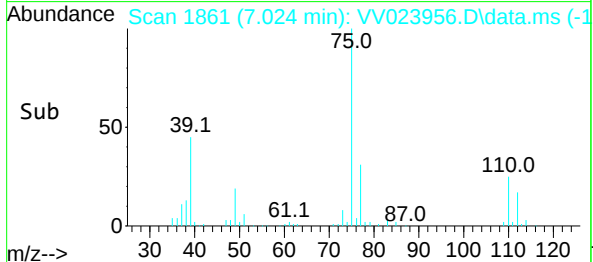
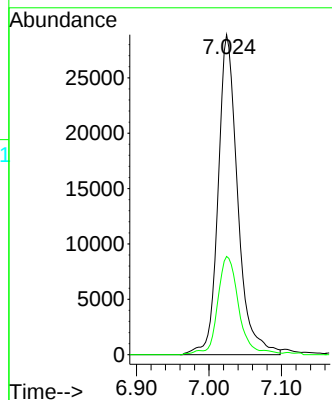
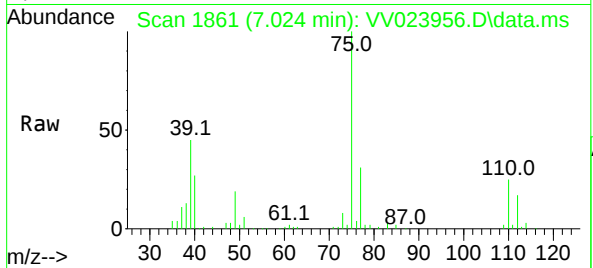
BFB251

Tgt Ion: 75 Resp: 54286

Ion Ratio Lower Upper

75 100

77 30.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 55.459 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

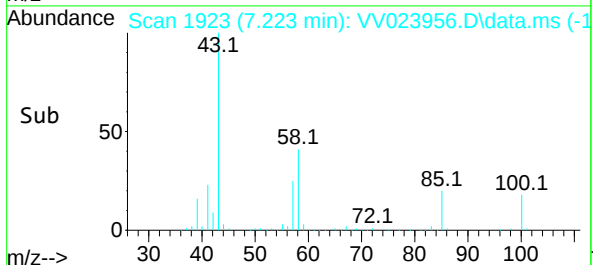
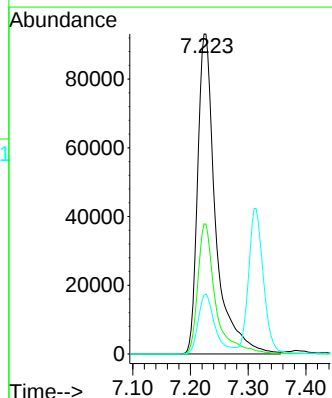
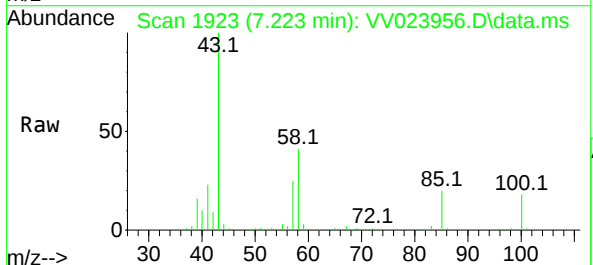
Tgt Ion: 43 Resp: 200983

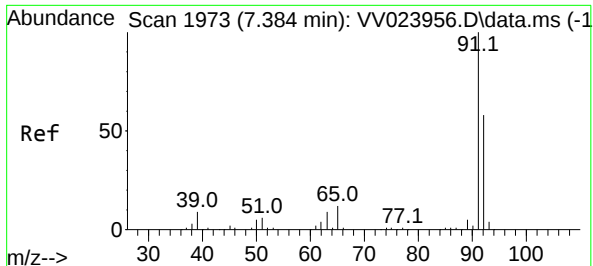
Ion Ratio Lower Upper

43 100

58 40.1 32.3 48.5

100 17.6 13.0 19.6





#42

Toluene

Concen: 5.388 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Instrument :

MSVOA_V

ClientSampleId :

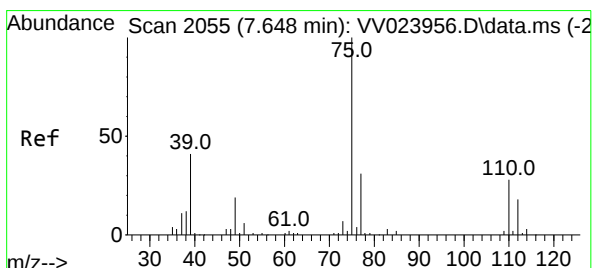
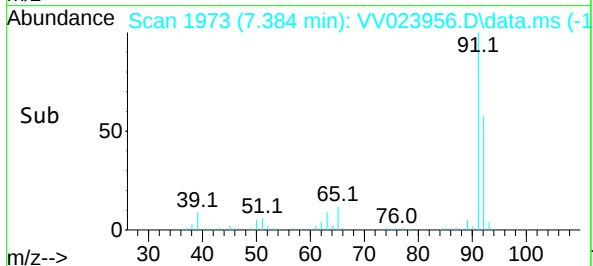
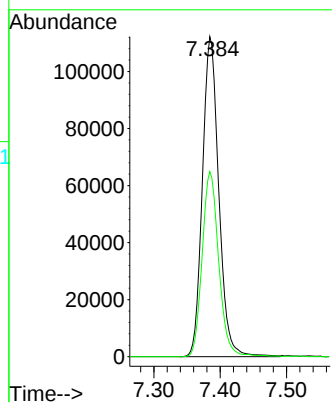
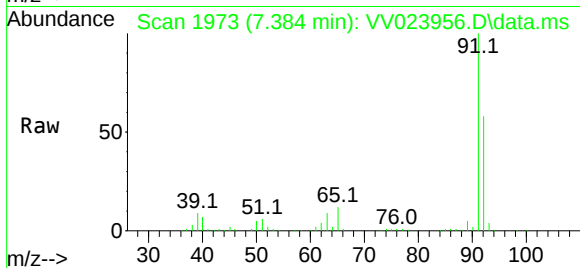
BFB251

Tgt Ion: 91 Resp: 192459

Ion Ratio Lower Upper

91 100

92 57.8 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 4.978 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.003 min

Lab File: VV023956.D

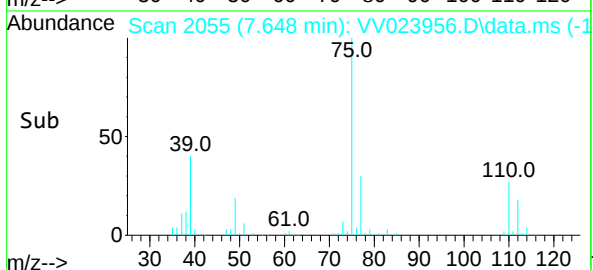
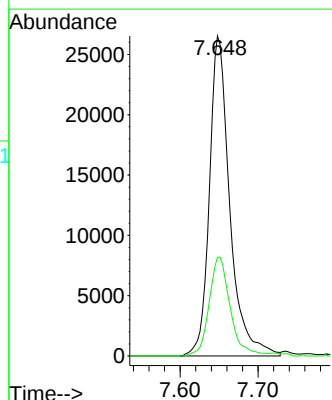
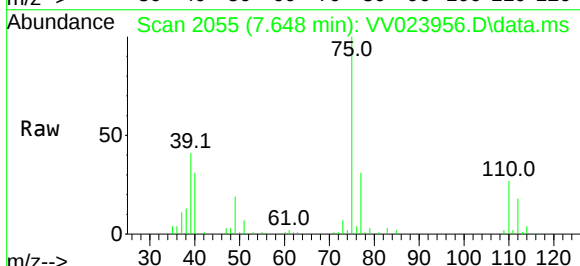
Acq: 14 Dec 2021 10:11

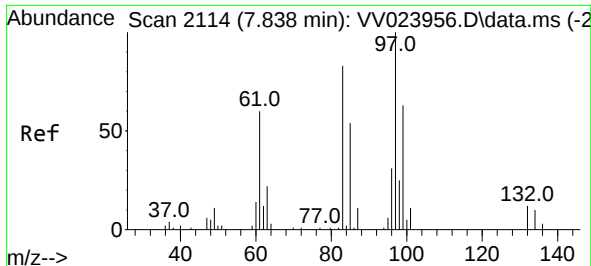
Tgt Ion: 75 Resp: 48188

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 5.304 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Instrument :

MSVOA_V

ClientSampleId :

BFB251

Tgt Ion: 97 Resp: 29602

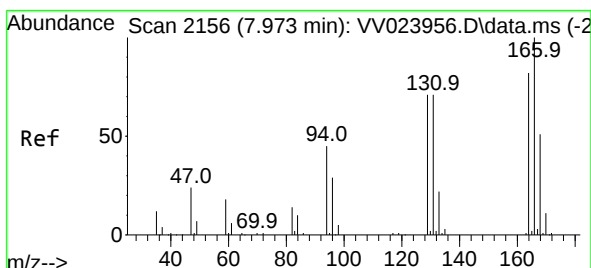
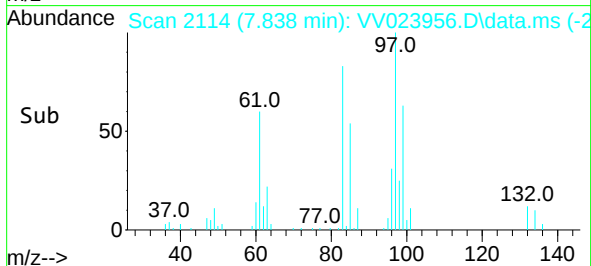
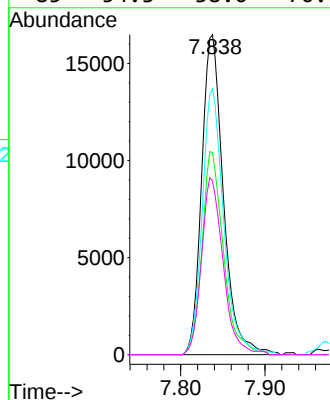
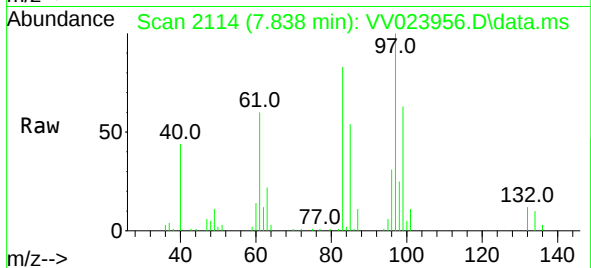
Ion Ratio Lower Upper

97 100

99 63.2 43.1 80.1

83 83.1 57.9 107.5

85 54.3 38.0 70.6



#47

Tetrachloroethene

Concen: 5.300 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.003 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Tgt Ion: 164 Resp: 41773

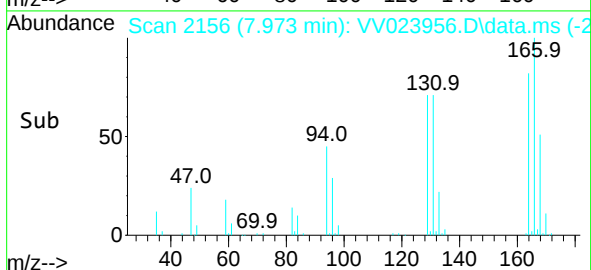
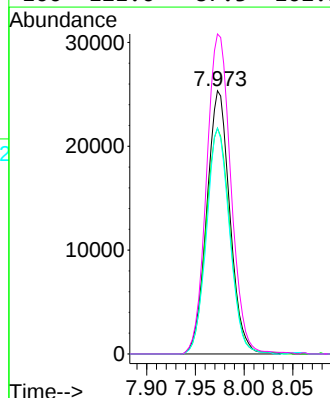
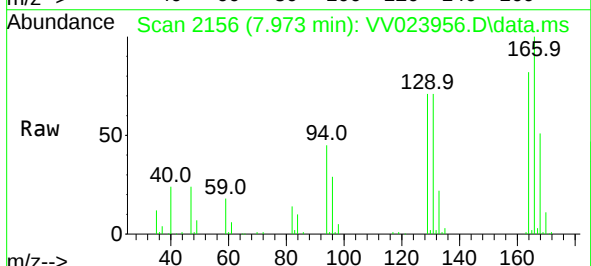
Ion Ratio Lower Upper

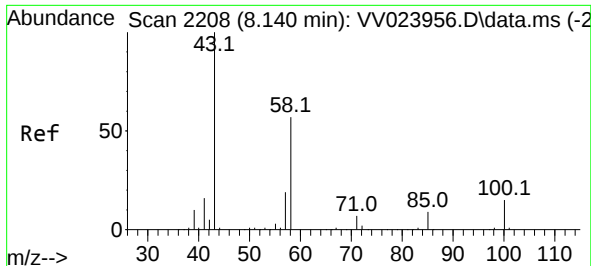
164 100

129 85.8 62.6 116.2

131 85.8 61.0 113.4

166 121.6 87.3 162.1

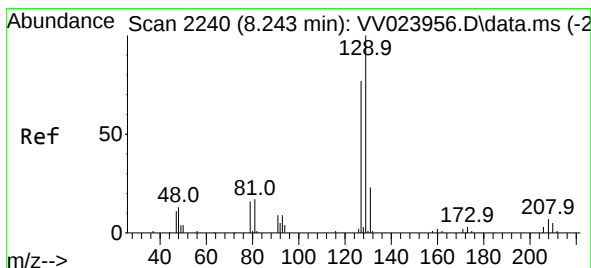
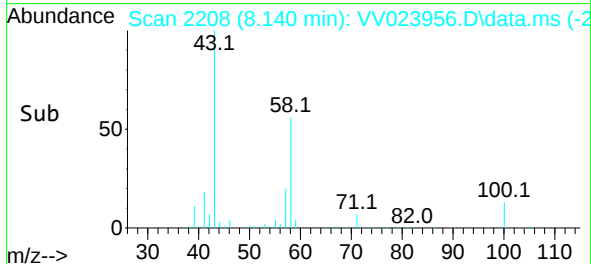
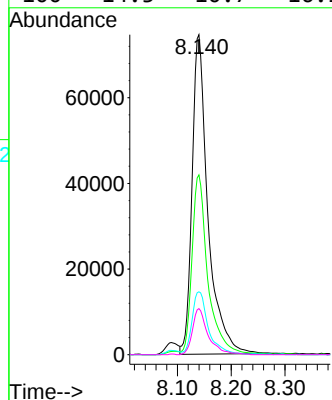
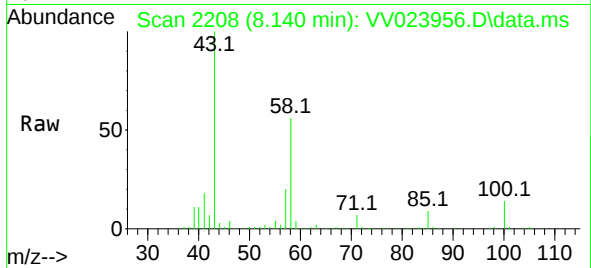




#48
2-Hexanone
Concen: 58.319 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

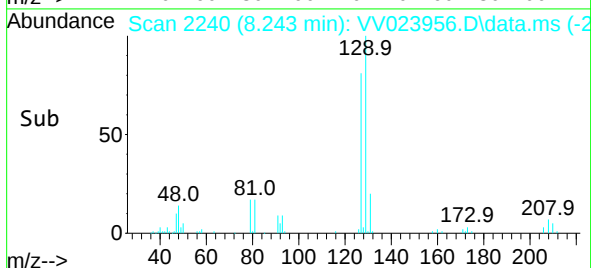
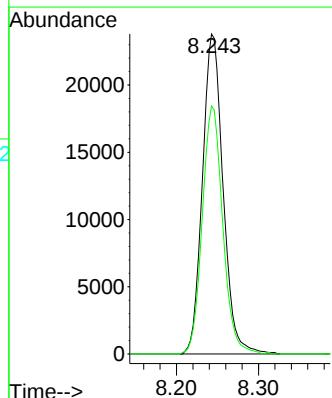
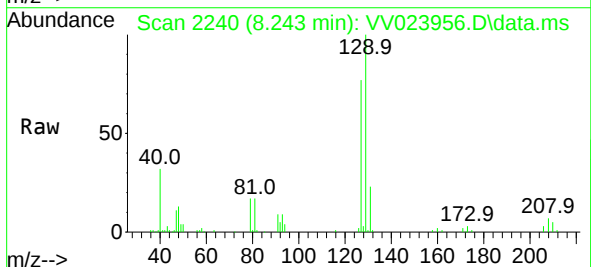
Instrument :
MSVOA_V
ClientSampleId :
BFB251

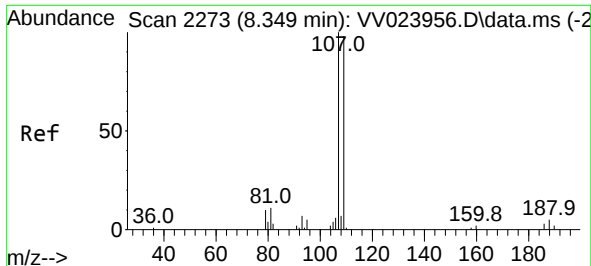
Tgt Ion: 43 Resp: 153244
Ion Ratio Lower Upper
43 100
58 55.9 44.5 66.7
57 19.9 15.1 22.7
100 14.3 10.7 16.1



#49
Dibromochloromethane
Concen: 5.473 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.003 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion: 129 Resp: 41562
Ion Ratio Lower Upper
129 100
127 77.5 53.5 99.3

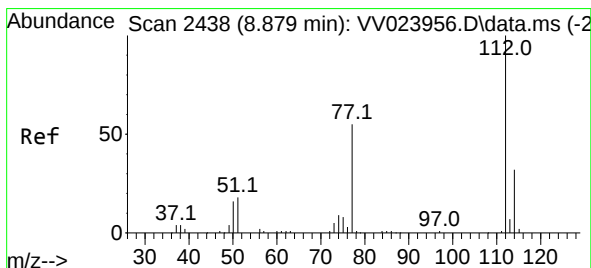
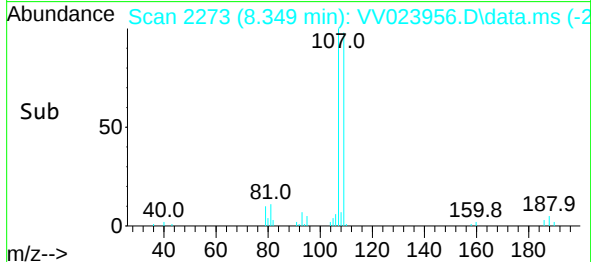
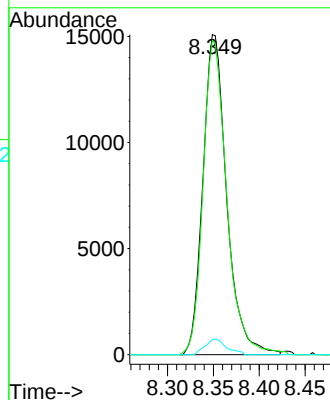
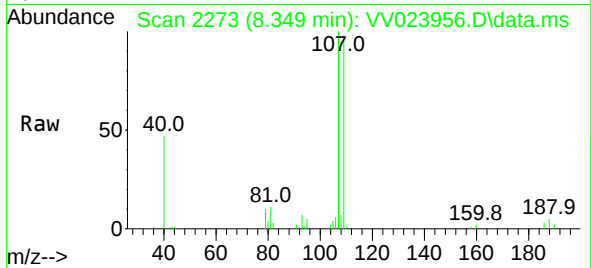




#50
1,2-Dibromoethane
Concen: 5.257 ug/L
RT: 8.349 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

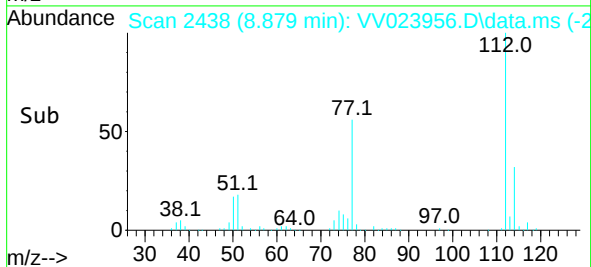
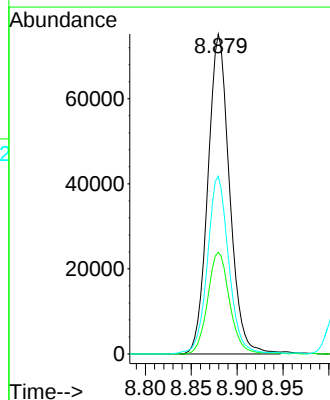
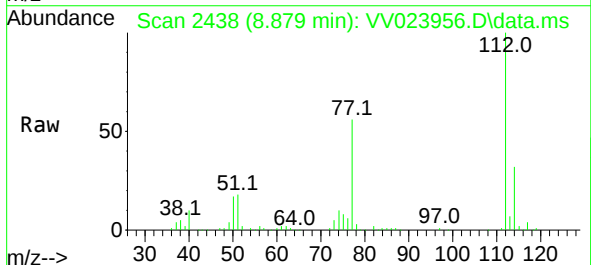
Instrument :
MSVOA_V
ClientSampleId :
BFB251

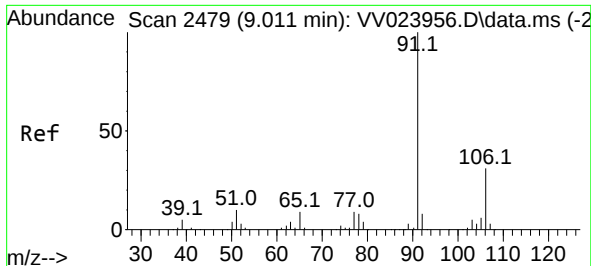
Tgt Ion:	107	Resp:	27240
Ion	Ratio	Lower	Upper
107	100		
109	98.2	62.5	116.1
188	4.7	3.4	5.2



#51
Chlorobenzene
Concen: 5.170 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion:	112	Resp:	123434
Ion	Ratio	Lower	Upper
112	100		
114	31.8	23.3	43.3
77	55.6	43.3	64.9





#52

Ethylbenzene

Concen: 5.211 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Instrument :

MSVOA_V

ClientSampleId :

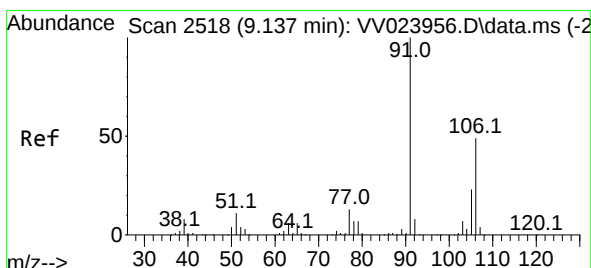
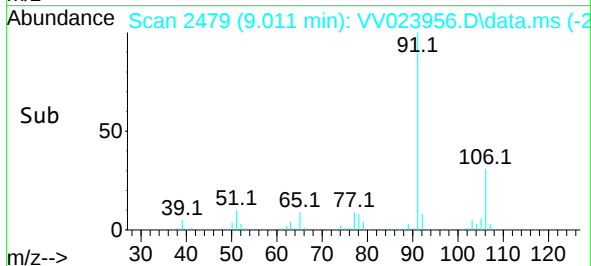
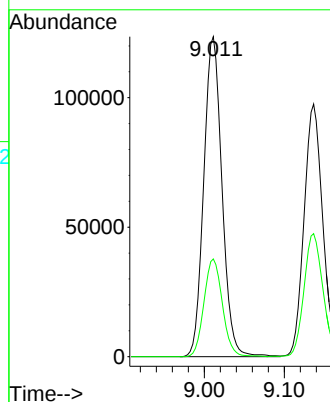
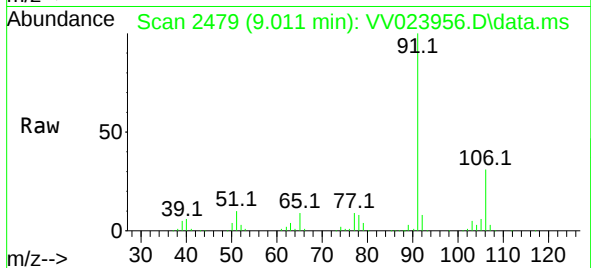
BFB251

Tgt Ion: 91 Resp: 196393

Ion Ratio Lower Upper

91 100

106 30.6 22.0 41.0



#53

m,p-xylene

Concen: 5.298 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV023956.D

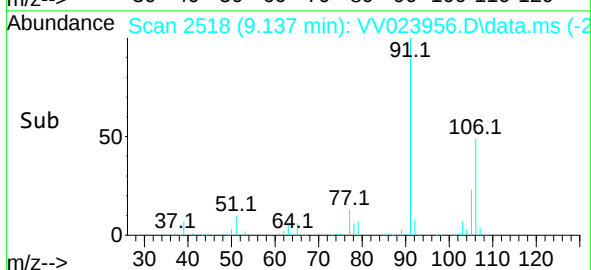
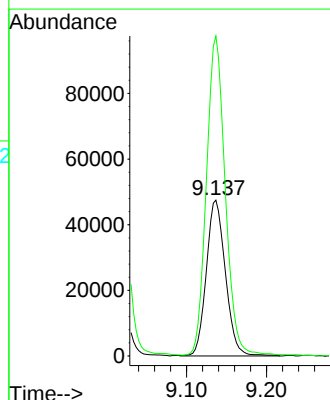
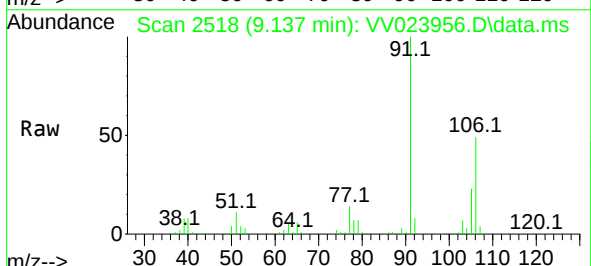
Acq: 14 Dec 2021 10:11

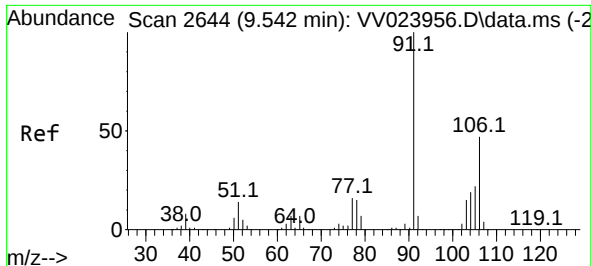
Tgt Ion: 106 Resp: 78964

Ion Ratio Lower Upper

106 100

91 205.3 139.5 259.1

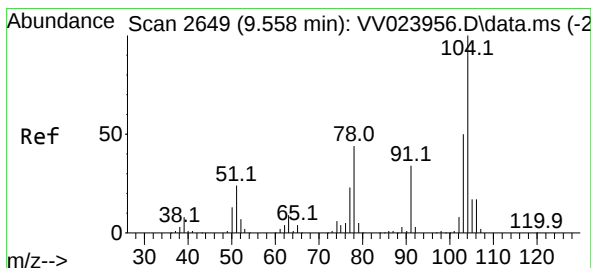
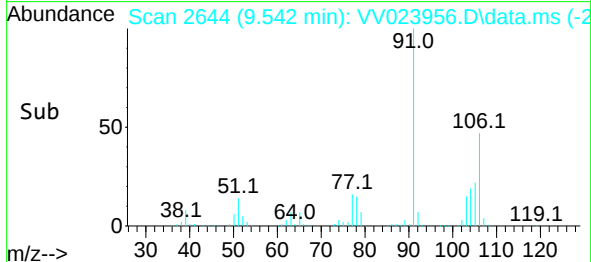
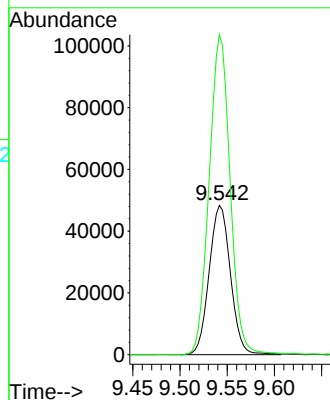
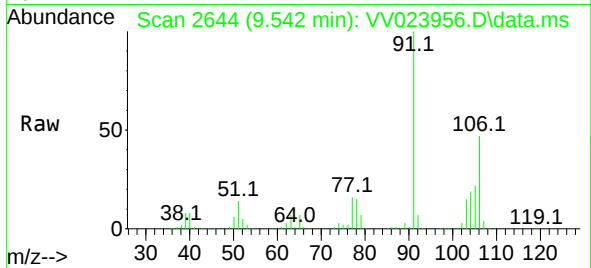




#54
o-xylene
Concen: 5.259 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

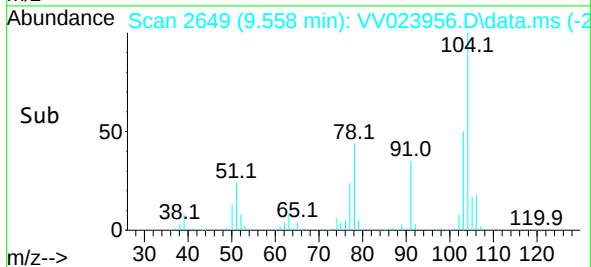
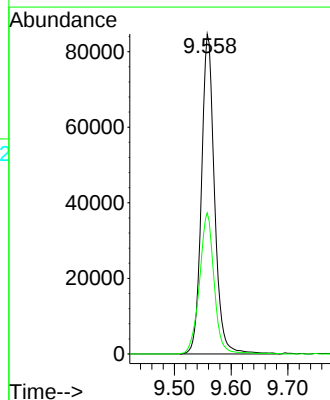
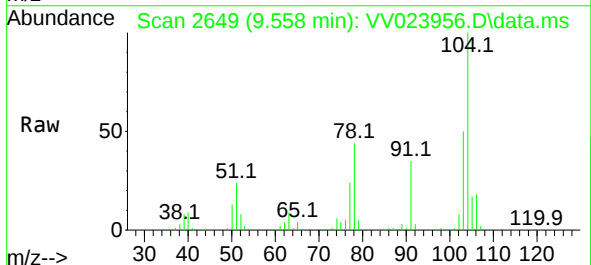
Instrument :
MSVOA_V
ClientSampleId :
BFB251

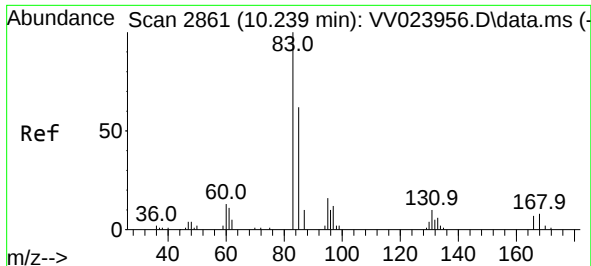
Tgt Ion:106 Resp: 75809
Ion Ratio Lower Upper
106 100
91 214.3 147.9 274.7



#55
Styrene
Concen: 5.655 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion:104 Resp: 135711
Ion Ratio Lower Upper
104 100
78 44.1 31.0 57.6

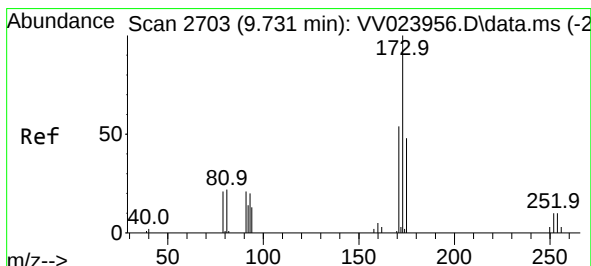
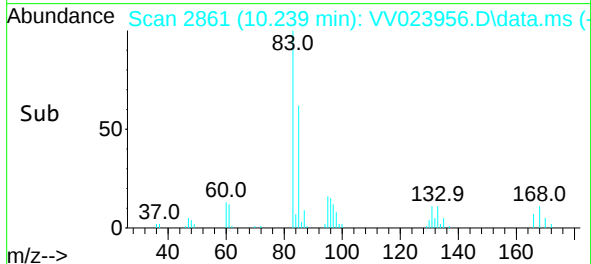
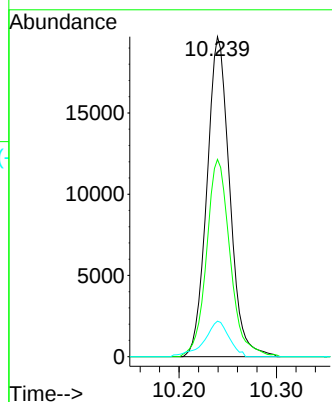
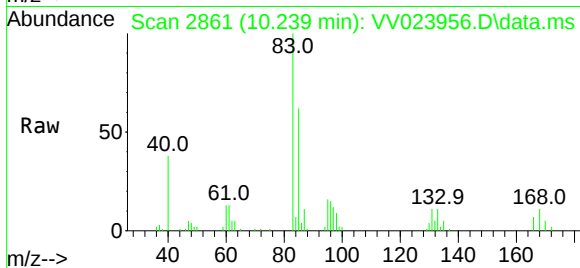




#57
1,1,2,2-Tetrachloroethane
Concen: 5.228 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

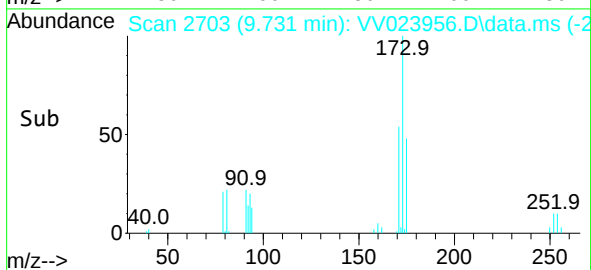
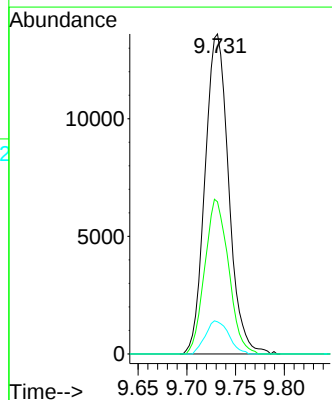
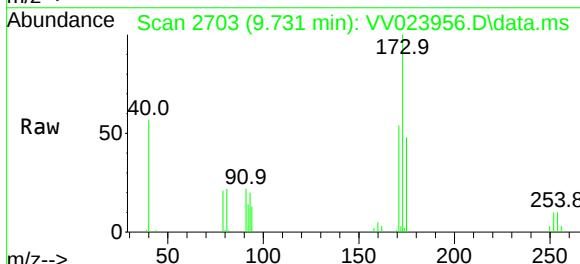
Instrument :
MSVOA_V
ClientSampleId :
BFB251

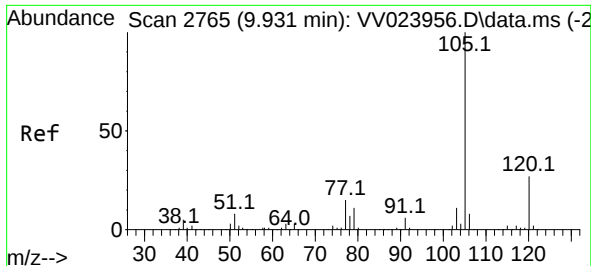
Tgt Ion: 83 Resp: 31949
Ion Ratio Lower Upper
83 100
85 61.7 44.6 82.8
131 11.1 8.3 12.5



#59
Bromoform
Concen: 5.179 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion: 173 Resp: 23004
Ion Ratio Lower Upper
173 100
175 48.6 39.4 59.2
254 10.2 7.4 11.0

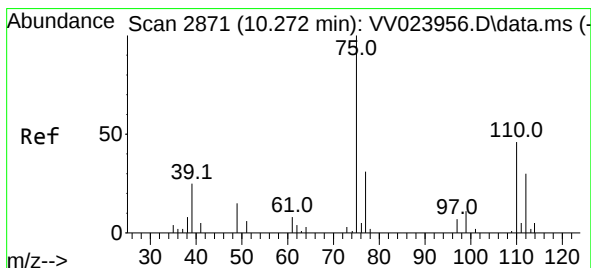
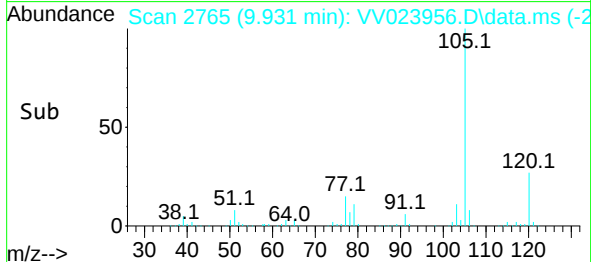
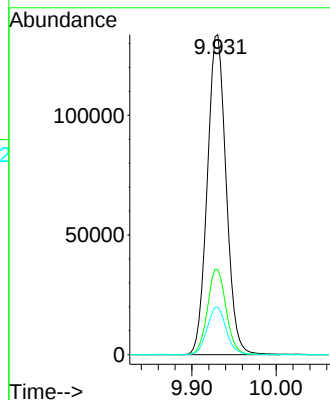
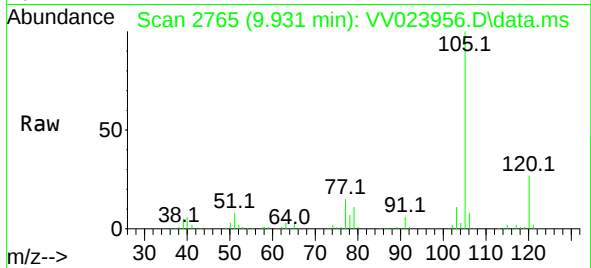




#60
Isopropylbenzene
Concen: 5.118 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

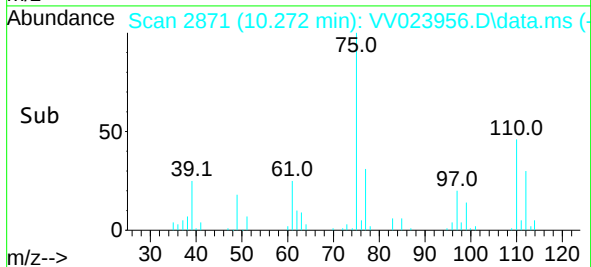
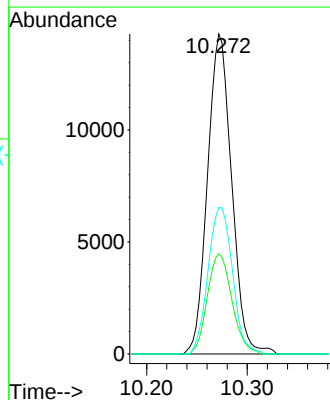
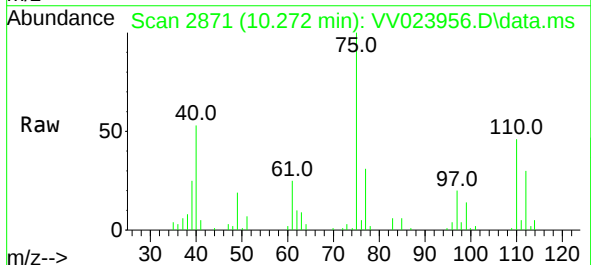
Instrument :
MSVOA_V
ClientSampleId :
BFB251

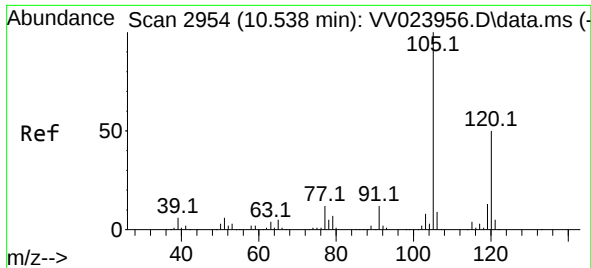
Tgt Ion:105 Resp: 207999
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.0
77 15.1 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 5.049 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion: 75 Resp: 23807
Ion Ratio Lower Upper
75 100
77 31.8 26.4 39.6
110 46.5 34.2 51.2

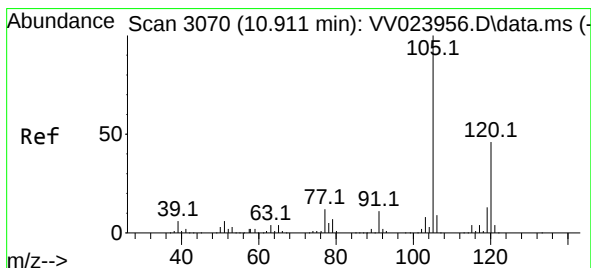
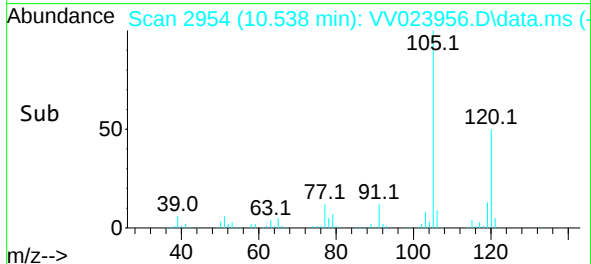
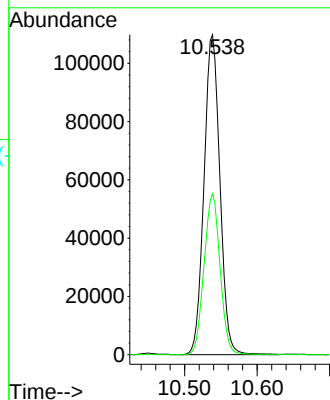
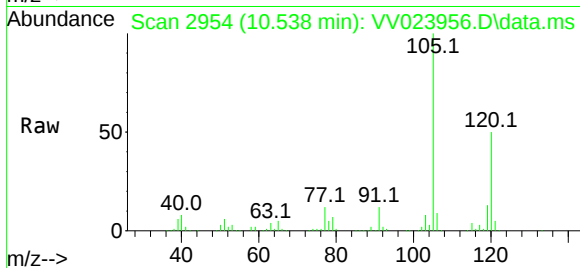




#62
 1,3,5-Trimethylbenzene
 Concen: 4.969 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV023956.D
 Acq: 14 Dec 2021 10:11

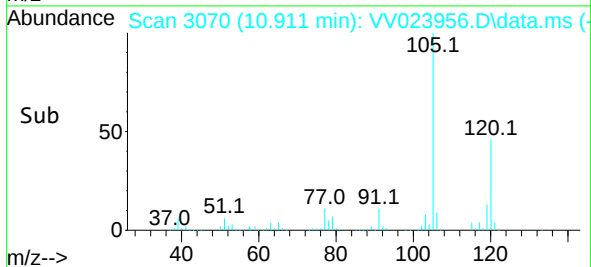
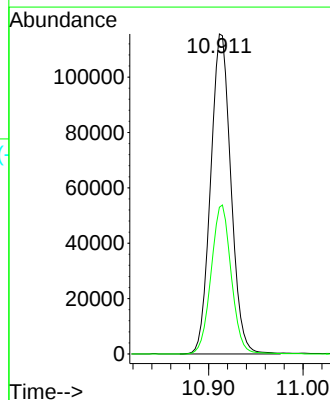
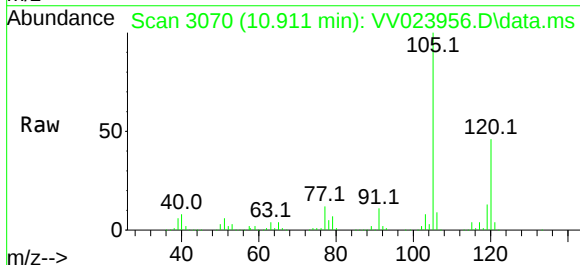
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB251

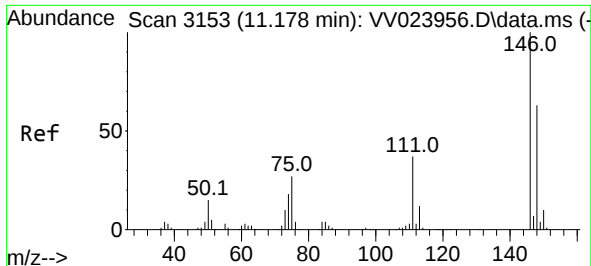
Tgt Ion:105 Resp: 167515
 Ion Ratio Lower Upper
 105 100
 120 50.6 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.124 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. -0.003 min
 Lab File: VV023956.D
 Acq: 14 Dec 2021 10:11

Tgt Ion:105 Resp: 172101
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.7 55.1

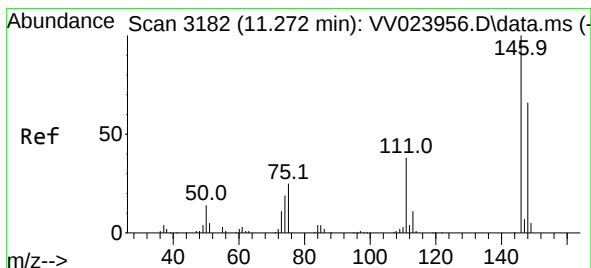
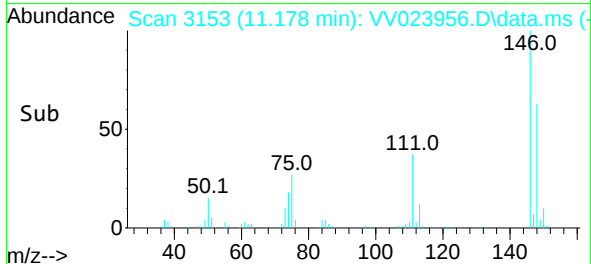
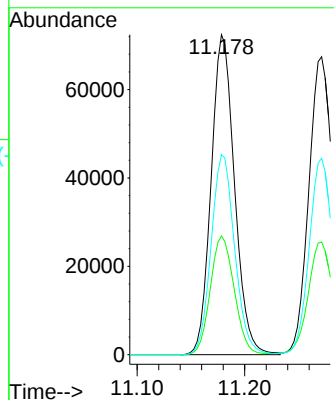
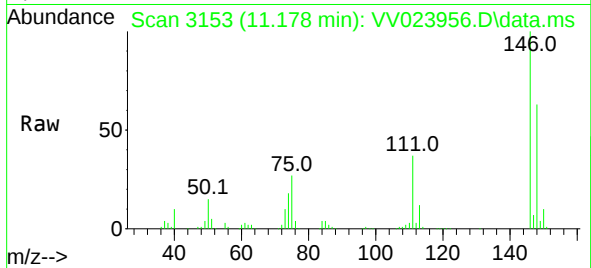




#64
1,3-Dichlorobenzene
Concen: 5.265 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

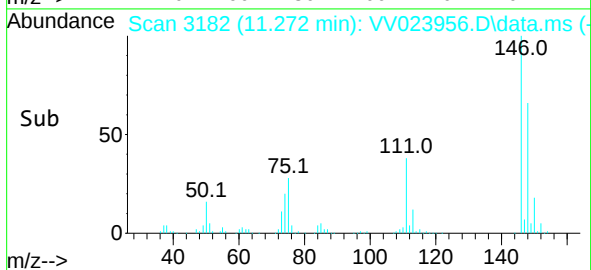
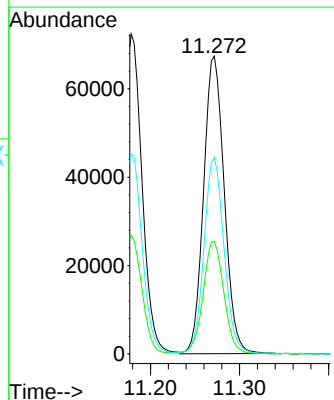
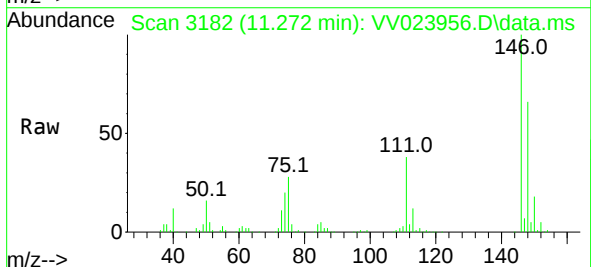
Instrument :
MSVOA_V
ClientSampleId :
BFB251

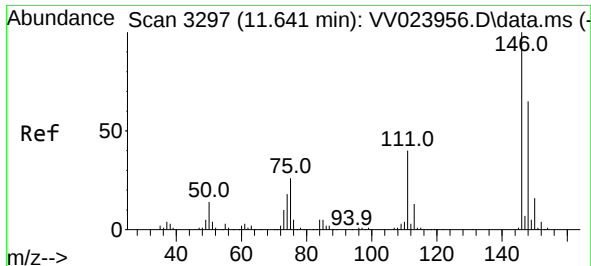
Tgt Ion:146 Resp: 109416
Ion Ratio Lower Upper
146 100
111 37.1 26.3 48.9
148 62.5 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.193 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion:146 Resp: 108393
Ion Ratio Lower Upper
146 100
111 37.8 25.6 47.6
148 66.0 44.8 83.2

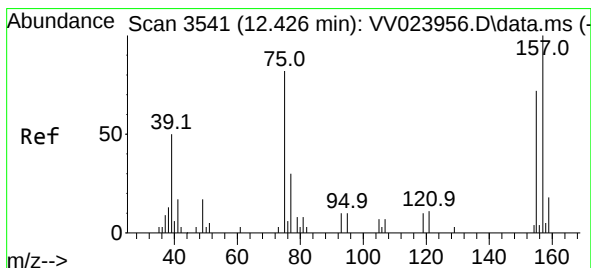
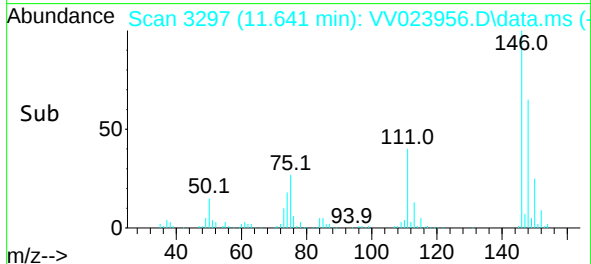
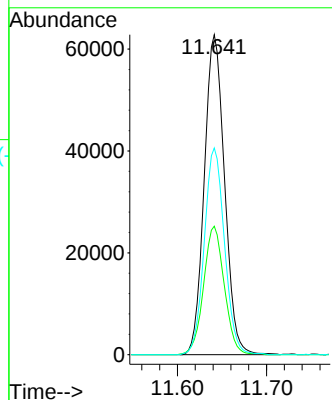
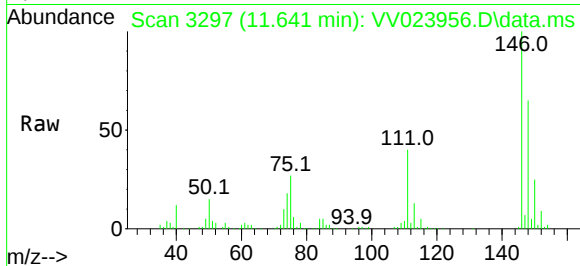




#67
1,2-Dichlorobenzene
Concen: 5.220 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

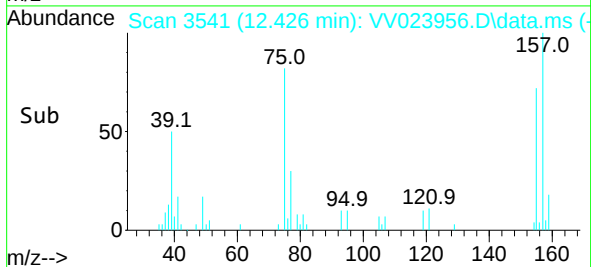
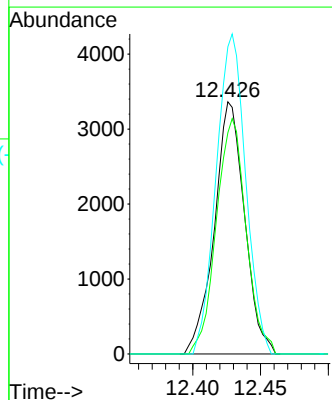
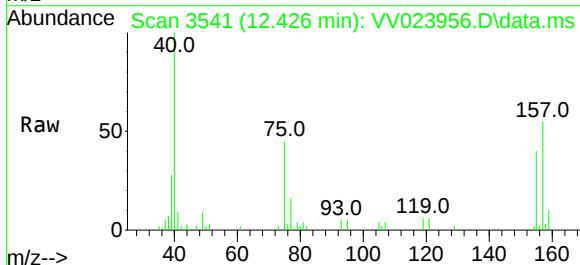
Instrument :
MSVOA_V
ClientSampleId :
BFB251

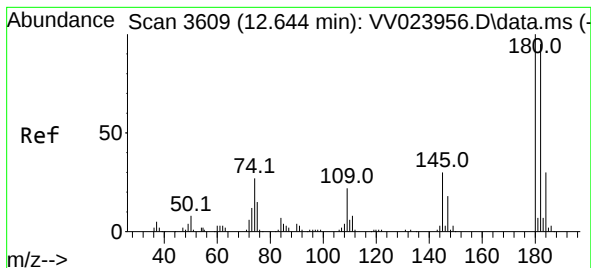
Tgt Ion:146 Resp: 99399
Ion Ratio Lower Upper
146 100
111 40.2 31.9 47.9
148 64.6 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.060 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.006 min
Lab File: VV023956.D
Acq: 14 Dec 2021 10:11

Tgt Ion: 75 Resp: 5211
Ion Ratio Lower Upper
75 100
155 87.8 71.7 107.5
157 121.8 103.3 154.9





#69

1,3,5-Trichlorobenzene

Concen: 4.978 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Instrument :

MSVOA_V

ClientSampleId :

BFB251

Tgt Ion:180 Resp: 85099

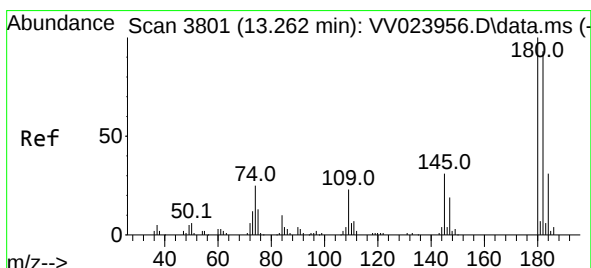
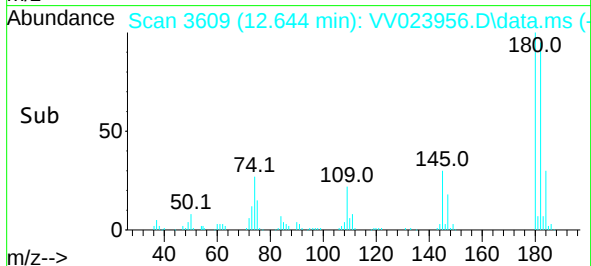
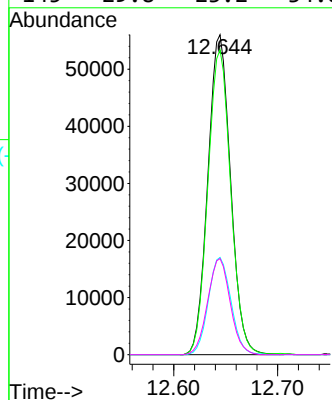
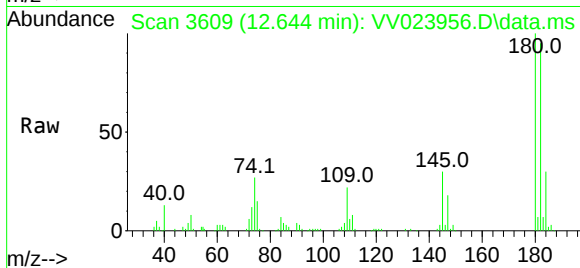
Ion Ratio Lower Upper

180 100

182 95.7 76.4 114.6

184 30.2 24.2 36.4

145 29.8 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 4.661 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.000 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

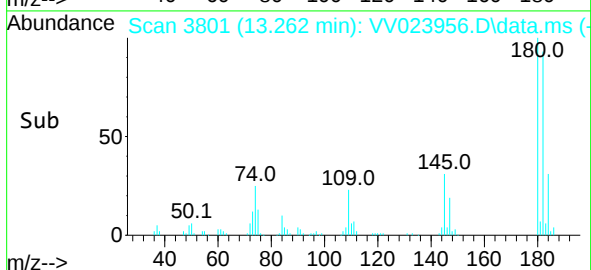
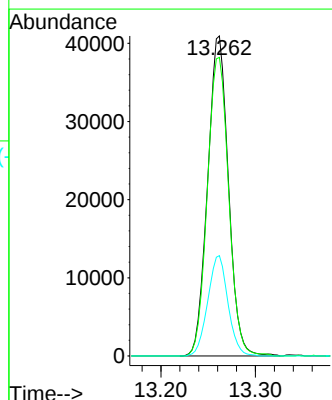
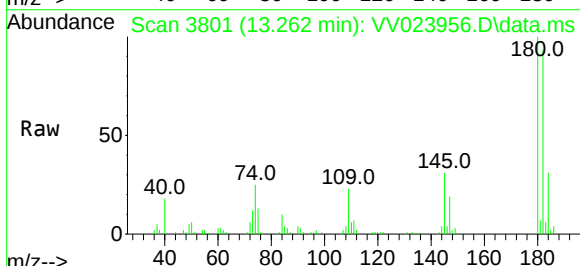
Tgt Ion:180 Resp: 62575

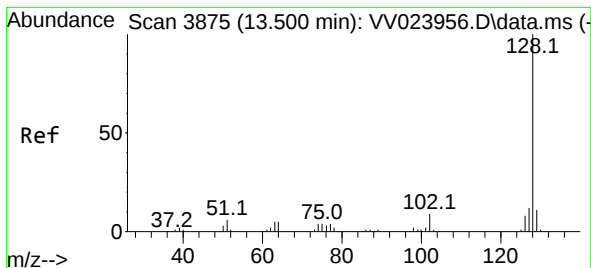
Ion Ratio Lower Upper

180 100

182 95.7 74.4 111.6

145 30.5 23.3 34.9





#71

Naphthalene

Concen: 4.434 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.003 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Instrument :

MSVOA_V

ClientSampleId :

BFB251

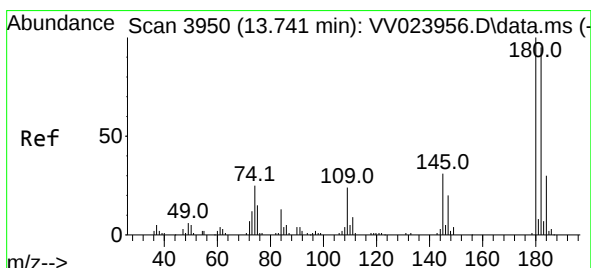
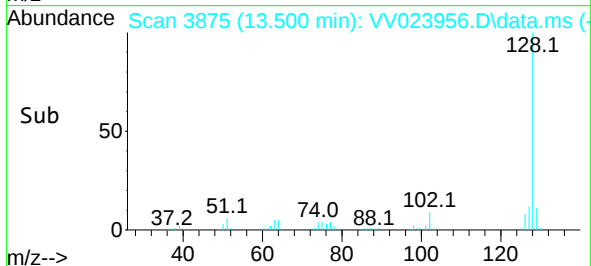
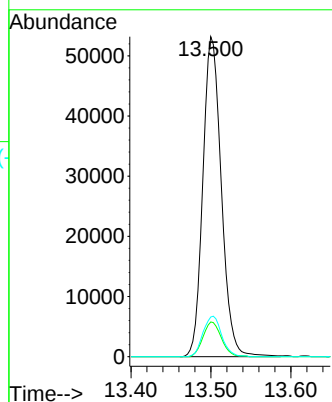
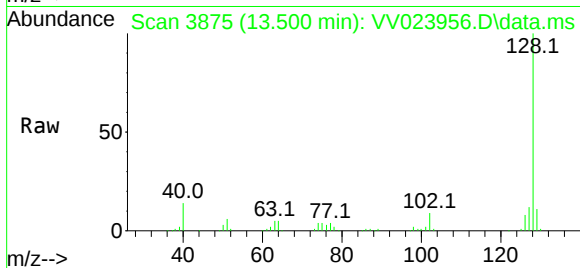
Tgt Ion:128 Resp: 85554

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 12.9 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.852 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.003 min

Lab File: VV023956.D

Acq: 14 Dec 2021 10:11

Tgt Ion:180 Resp: 57511

Ion Ratio Lower Upper

180 100

182 94.7 76.8 115.2

145 31.3 25.8 38.6

