

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053023\
 Data File : VV031267.D
 Acq On : 30 May 2023 14:47
 Operator : SY/MD
 Sample : VSTD00148
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001248

Quant Time: May 31 04:55:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR053023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 31 04:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	114470	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	113054	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	54706	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	9171	0.754	ug/L	0.00
7) Chloroethane-d5	1.535	69	9661	0.973	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	4517	0.874	ug/L	0.00
20) 2-Butanone-d5	3.838	46	23345	8.230	ug/L	0.03
24) Chloroform-d	4.259	84	20215	0.818	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.960	65	11010	0.886	ug/L	0.00
32) Benzene-d6	4.969	84	35266	0.761	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	12681	0.809	ug/L	0.00
41) Toluene-d8	7.252	98	30476	0.753	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	3904	0.778	ug/L	0.00
46) 2-Hexanone-d5	8.043	63	14522	6.796	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	9710	0.853	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.570	152	10676	0.832	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	18384	1.383	ug/L	99
3) Chloromethane	1.217	50	18299	1.268	ug/L	96
5) Vinyl chloride	1.285	62	18303	1.316	ug/L	99
6) Bromomethane	1.490	94	9595	1.331	ug/L	92
8) Chloroethane	1.552	64	11529	1.504	ug/L	94
9) Trichlorofluoromethane	1.719	101	26385	1.361	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	14947	1.443	ug/L	97
12) 1,1-Dichloroethene	2.072	96	12481	1.472	ug/L	93
13) Acetone	2.143	43	19208	8.956	ug/L	97
14) Carbon disulfide	2.246	76	37316	1.461	ug/L	99
15) Methyl Acetate	2.394	43	4382	0.997	ug/L	91
16) Methylene chloride	2.455	84	19853	1.539	ug/L	94
17) Methyl tert-butyl Ether	2.712	73	24348	1.093	ug/L #	96
18) trans-1,2-Dichloroethene	2.703	96	11731	1.289	ug/L	93
19) 1,1-Dichloroethane	3.121	63	26073	1.188	ug/L	99
21) 2-Butanone	3.912	43	23818	8.580	ug/L	91
22) cis-1,2-Dichloroethene	3.828	96	11632	1.132	ug/L	97
23) Bromochloromethane	4.159	128	5335	1.174	ug/L	93
25) Chloroform	4.288	83	28719	1.270	ug/L	98
27) 1,2-Dichloroethane	5.056	62	14184	1.117	ug/L	100
29) 1,1,1-Trichloroethane	4.519	97	23685	1.119	ug/L	97
30) Cyclohexane	4.590	56	18596	1.087	ug/L	98
31) Carbon tetrachloride	4.744	117	20262	1.103	ug/L	99
33) Benzene	5.021	78	46024	1.063	ug/L	100
34) Trichloroethene	5.844	95	13565	1.165	ug/L	94
35) Methylcyclohexane	6.059	83	17468	1.063	ug/L	98
37) 1,2-Dichloropropane	6.104	63	12767	1.018	ug/L #	95
38) Bromodichloromethane	6.442	83	18232	1.171	ug/L #	92
39) cis-1,3-Dichloropropene	6.966	75	14759	0.988	ug/L	98
40) 4-Methyl-2-pentanone	7.172	43	65987	10.591	ug/L	99
42) Toluene	7.323	91	45857	1.076	ug/L	97
44) trans-1,3-Dichloropropene	7.596	75	12766	0.989	ug/L	97

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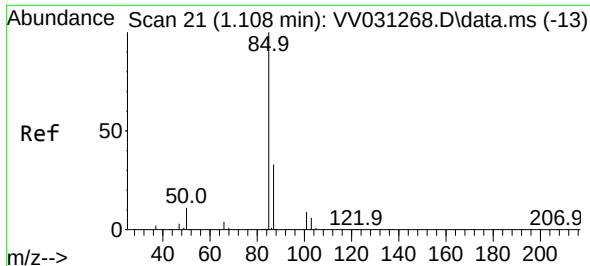
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.780	97	8849	1.171	ug/L	97
47) Tetrachloroethene	7.911	164	10218	1.194	ug/L	91
48) 2-Hexanone	8.091	43	42722	8.665	ug/L	96
49) Dibromochloromethane	8.185	129	10198	1.089	ug/L	94
50) 1,2-Dibromoethane	8.294	107	9090	1.255	ug/L	98
51) Chlorobenzene	8.825	112	29858	1.067	ug/L	97
52) Ethylbenzene	8.956	91	46981	0.987	ug/L	99
53) m,p-Xylene	9.082	106	16257	0.928	ug/L	92
54) o-Xylene	9.487	106	15417	0.923	ug/L	96
55) Styrene	9.506	104	26006	0.881	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	10654	1.103	ug/L	95
59) Bromoform	9.673	173	5293	1.158	ug/L	98
60) Isopropylbenzene	9.873	105	42514	1.034	ug/L	97
61) 1,2,3-Trichloropropane	10.223	75	7661	1.251	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	33095	0.991	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	33465	0.979	ug/L	96
64) 1,3-Dichlorobenzene	11.127	146	22123	1.121	ug/L	93
65) 1,4-Dichlorobenzene	11.217	146	22825	1.148	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	19768	1.067	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	1611	1.184	ug/L	89
69) 1,3,5-Trichlorobenzene	12.590	180	15553	0.989	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	10363	0.849	ug/L	95
71) Naphthalene	13.448	128	13377	0.733	ug/L	98
72) 1,2,3-Trichlorobenzene	13.689	180	9192	0.877	ug/L	97

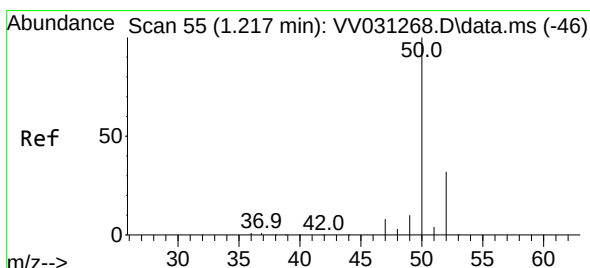
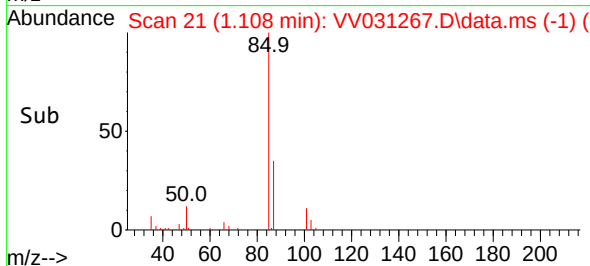
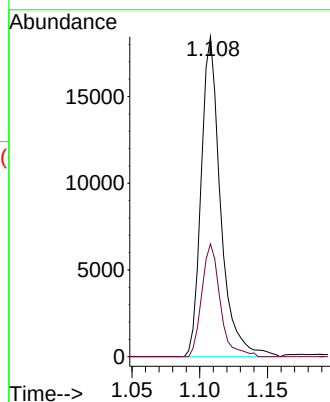
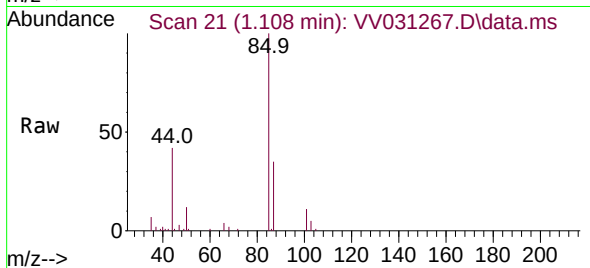
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 1.383 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031267.D
 Acq: 30 May 2023 14:47

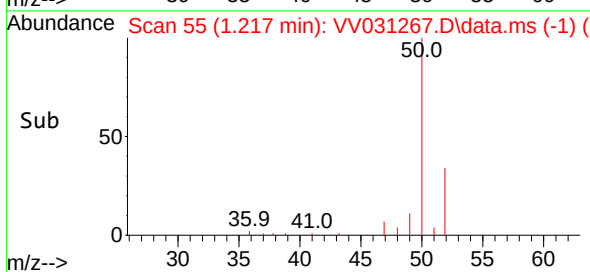
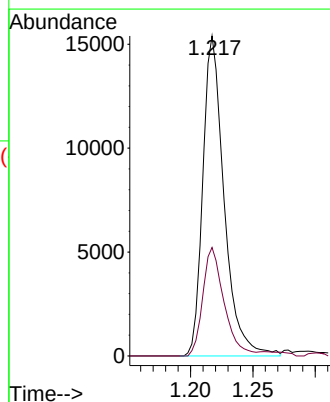
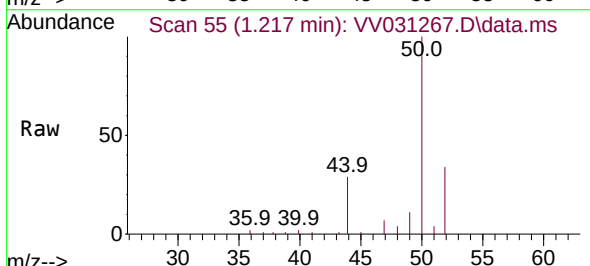
Instrument :
 MSVOA_V
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 VSTD001248

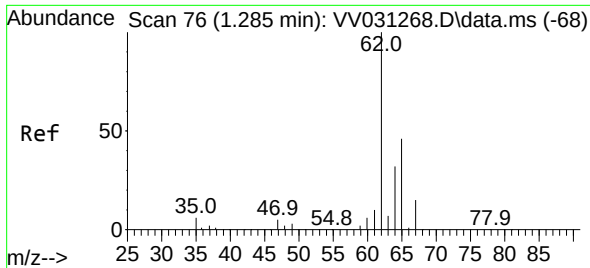
Tgt Ion: 85 Resp: 18384
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.1 39.1



#3
 Chloromethane
 Concen: 1.268 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031267.D
 Acq: 30 May 2023 14:47

Tgt Ion: 50 Resp: 18299
 Ion Ratio Lower Upper
 50 100
 52 33.9 22.3 41.5

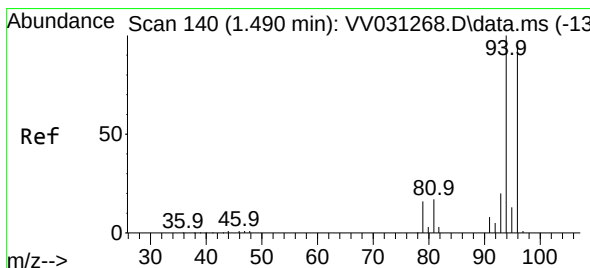
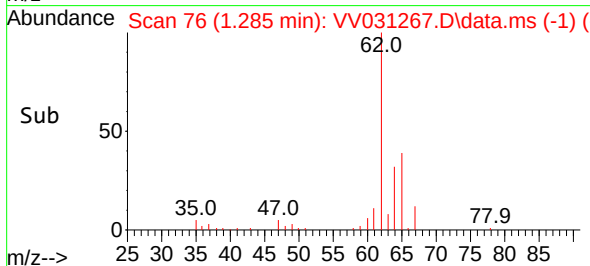
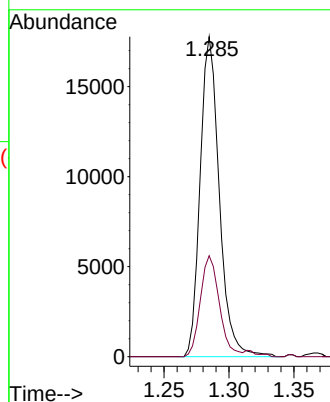
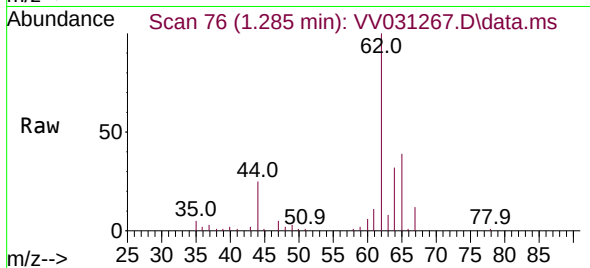




#5
 Vinyl chloride
 Concen: 1.316 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031267.D
 Acq: 30 May 2023 14:47

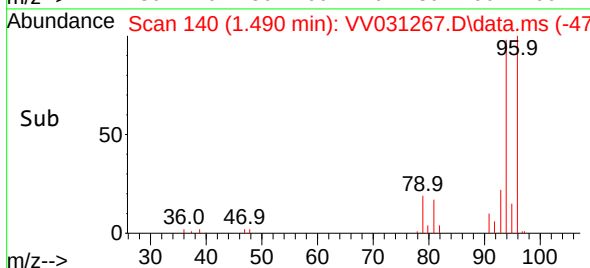
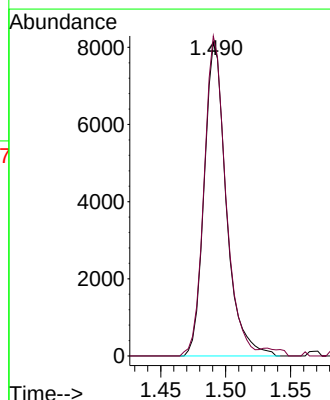
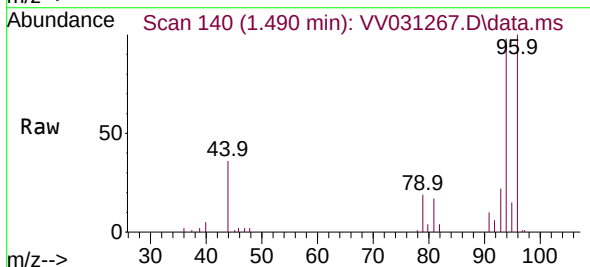
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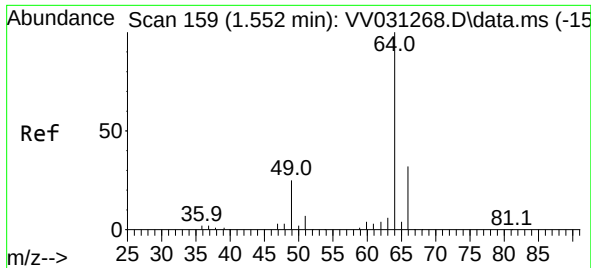
Tgt Ion: 62 Resp: 18303
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.5 41.7



#6
 Bromomethane
 Concen: 1.331 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031267.D
 Acq: 30 May 2023 14:47

Tgt Ion: 94 Resp: 9595
 Ion Ratio Lower Upper
 94 100
 96 102.1 66.3 123.1

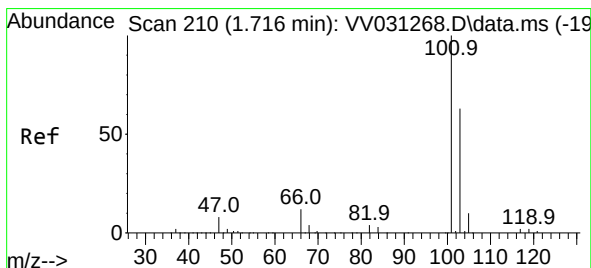
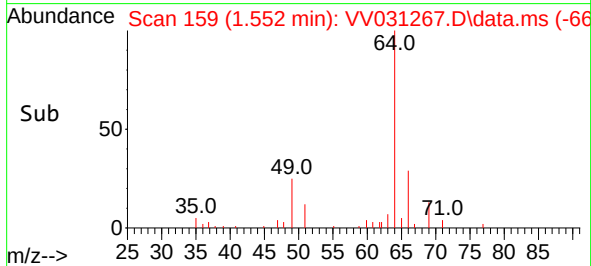
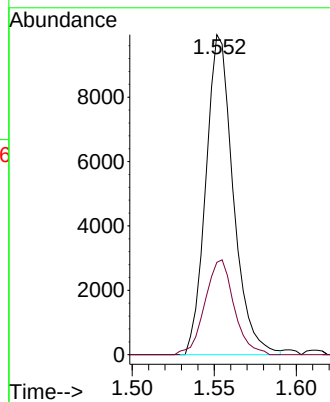
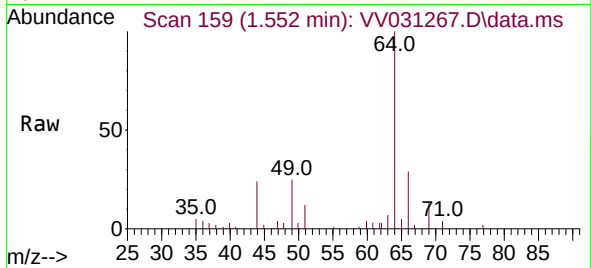




#8
Chloroethane
Concen: 1.504 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

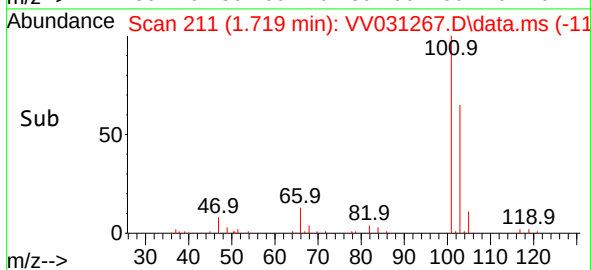
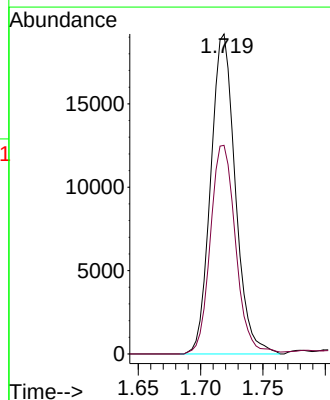
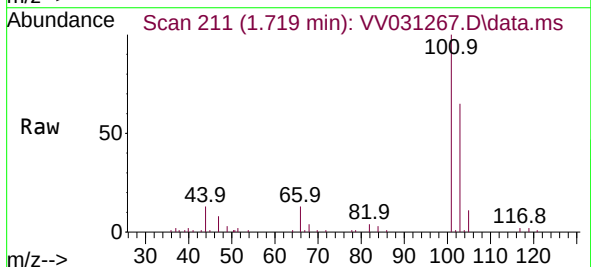
Instrument :
MSVOA_V
ClientSampleId :
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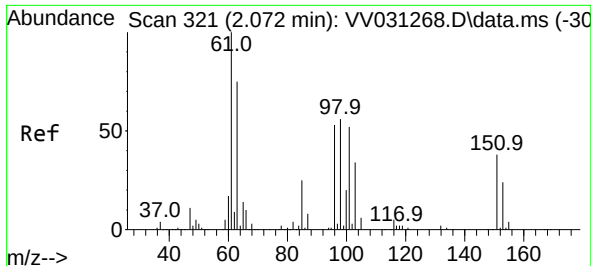
Tgt Ion: 64 Resp: 11529
Ion Ratio Lower Upper
64 100
66 28.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 1.361 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion:101 Resp: 26385
Ion Ratio Lower Upper
101 100
103 66.9 51.8 77.6





#10

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

Concen: 1.443 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001248

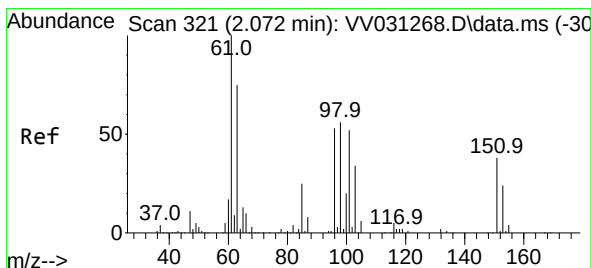
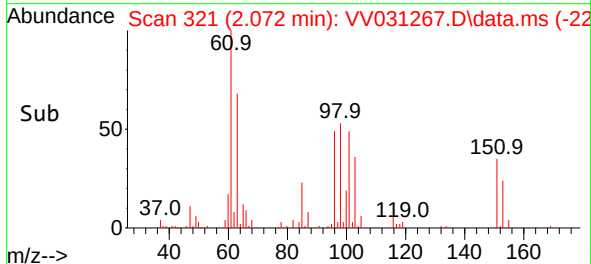
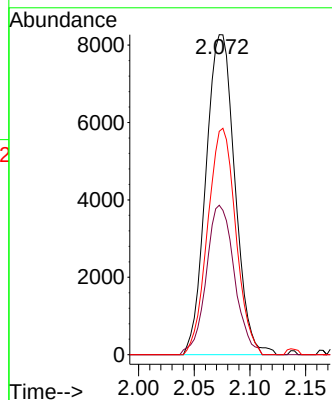
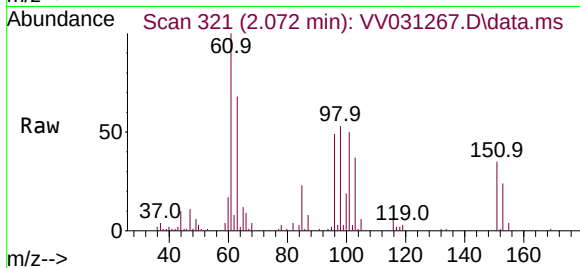
Tgt Ion:101 Resp: 14947

Ion Ratio Lower Upper

101 100

85 45.4 36.6 55.0

151 68.9 57.7 86.5



#12

1,1-Dichloroethene

Concen: 1.472 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

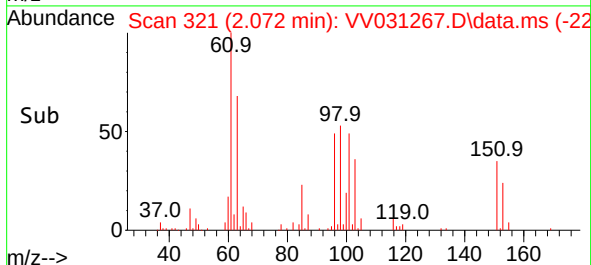
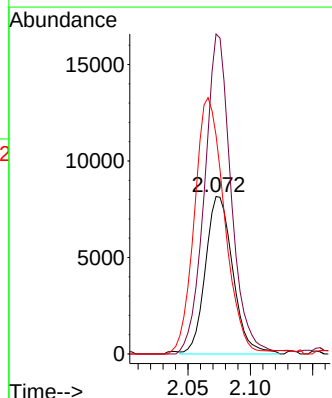
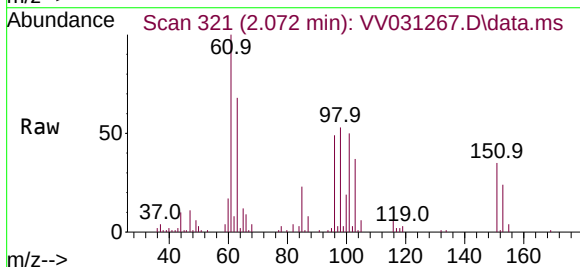
Tgt Ion: 96 Resp: 12481

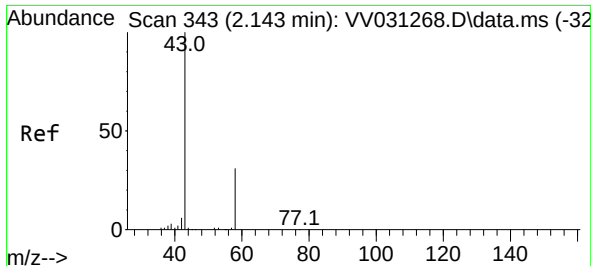
Ion Ratio Lower Upper

96 100

61 203.3 132.9 246.9

63 139.0 100.4 186.6





#13

Acetone

Concen: 8.956 ug/L

RT: 2.143 min Scan# 343

Delta R.T. 0.000 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

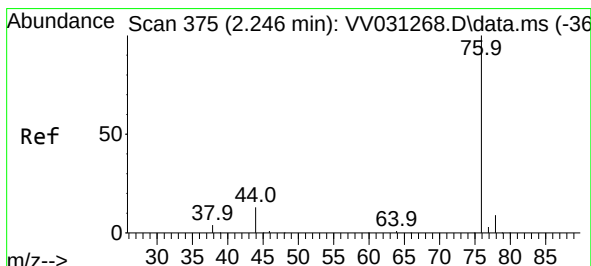
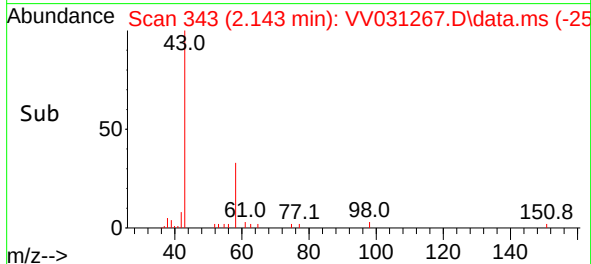
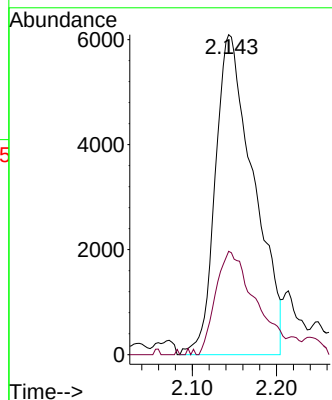
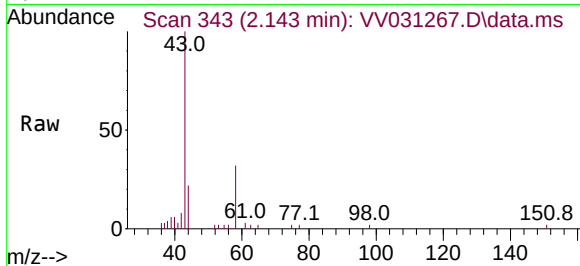
VSTD001248

Tgt Ion: 43 Resp: 19208

Ion Ratio Lower Upper

43 100

58 33.6 0.0 64.0



#14

Carbon disulfide

Concen: 1.461 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031267.D

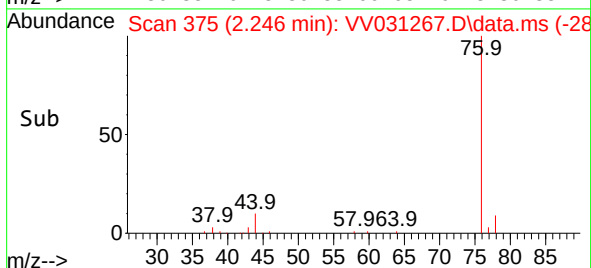
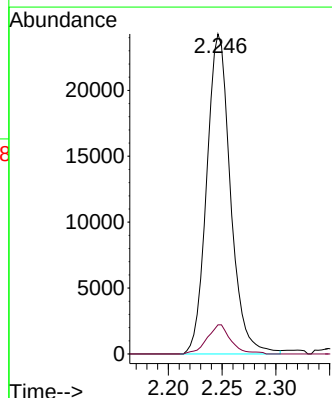
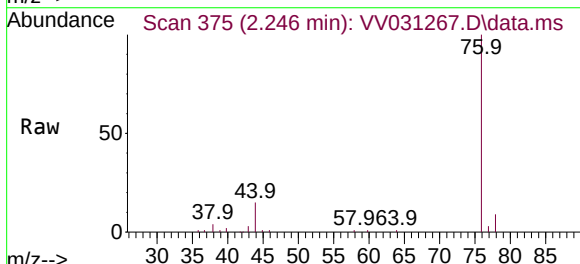
Acq: 30 May 2023 14:47

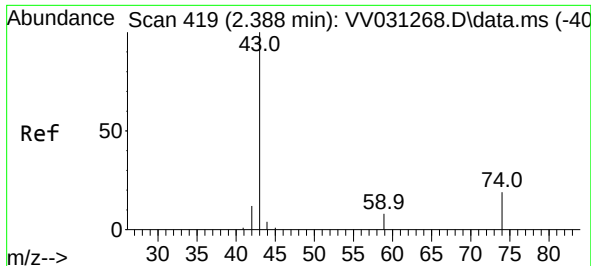
Tgt Ion: 76 Resp: 37316

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

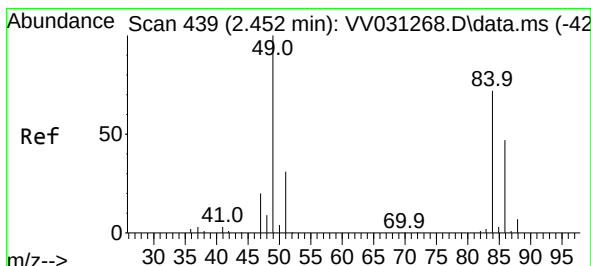
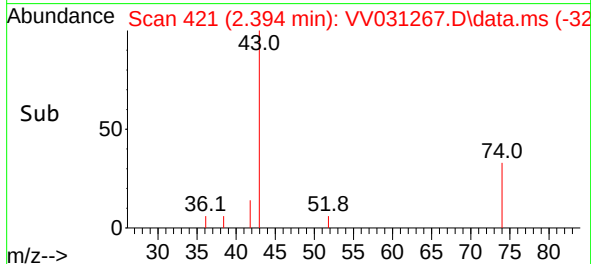
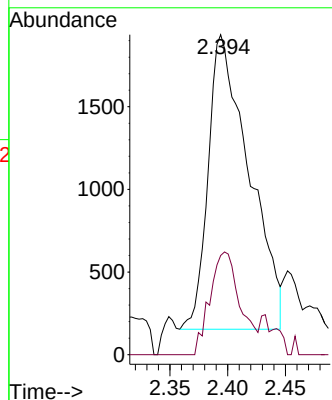
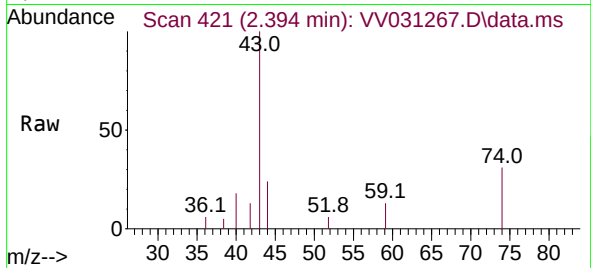




#15
Methyl Acetate
Concen: 0.997 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

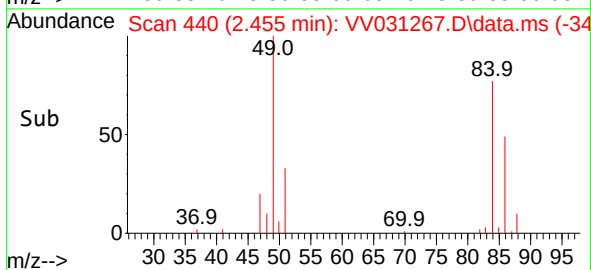
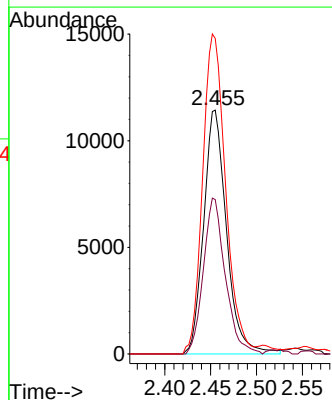
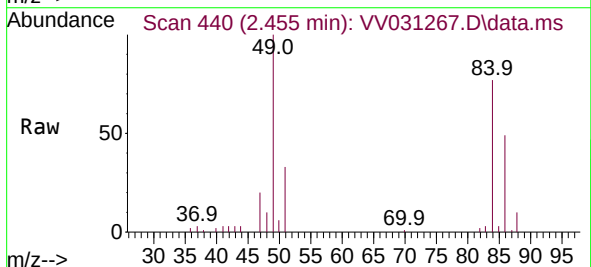
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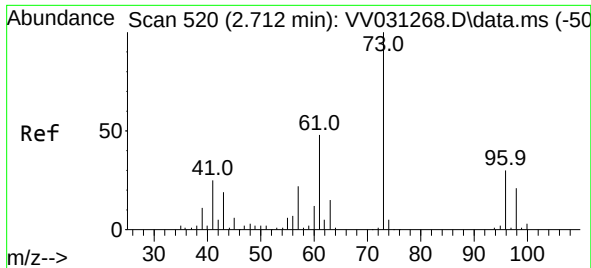
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Ion Ratio Lower Upper
43 100
74 26.0 17.4 26.2



#16
Methylene chloride
Concen: 1.539 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion: 84 Resp: 19853
Ion Ratio Lower Upper
84 100
86 63.3 45.1 83.9
49 129.4 97.0 180.2

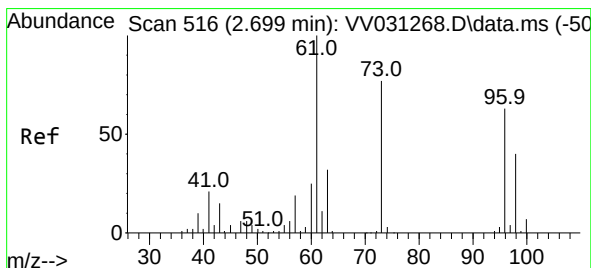
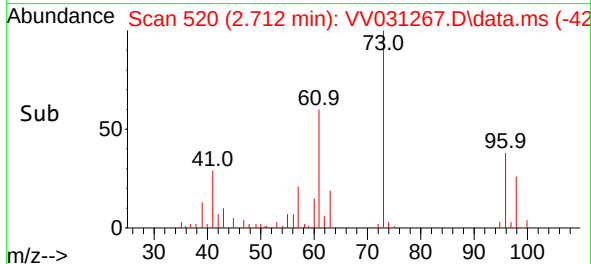
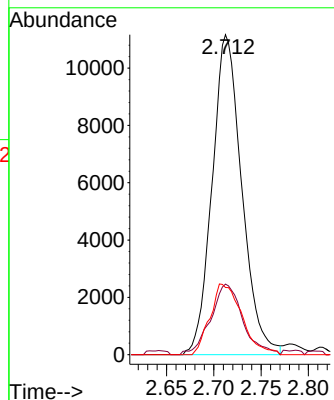
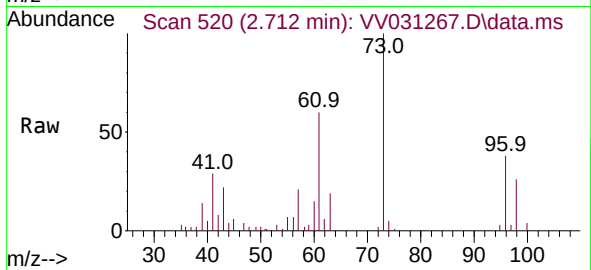




#17
Methyl tert-butyl Ether
Concen: 1.093 ug/L
RT: 2.712 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

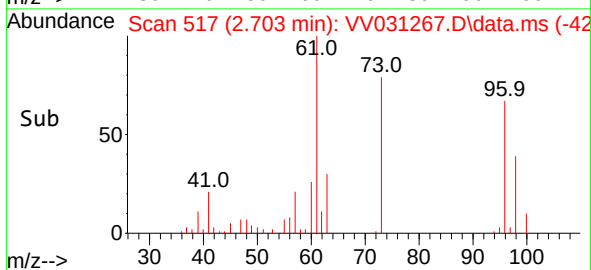
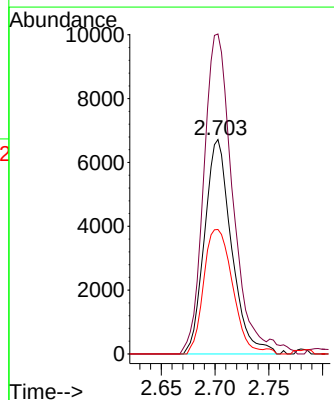
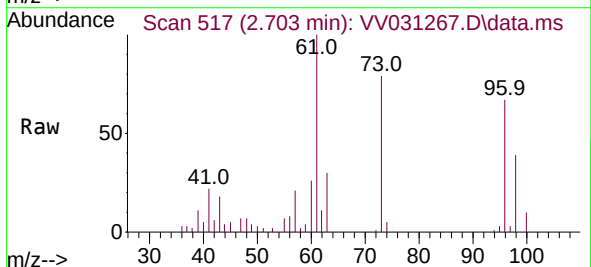
Instrument :
MSVOA_V
ClientSampleId :
VSTD001248

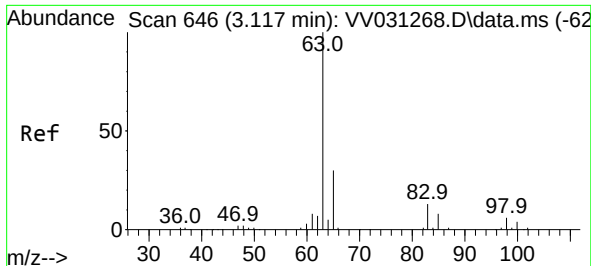
Tgt Ion: 73 Resp: 24348
Ion Ratio Lower Upper
73 100
43 23.8 15.8 23.6#
57 23.7 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 1.289 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion: 96 Resp: 11731
Ion Ratio Lower Upper
96 100
61 149.3 110.7 205.5
98 58.1 44.6 82.8





#19

1,1-Dichloroethane

Concen: 1.188 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001248

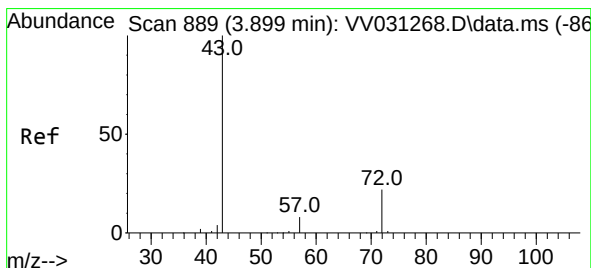
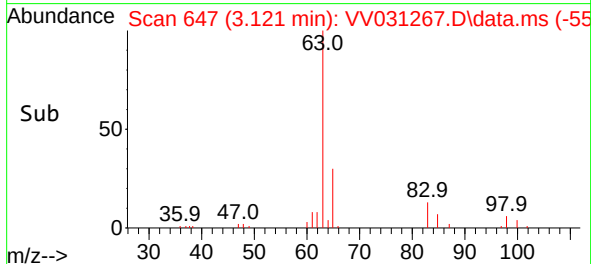
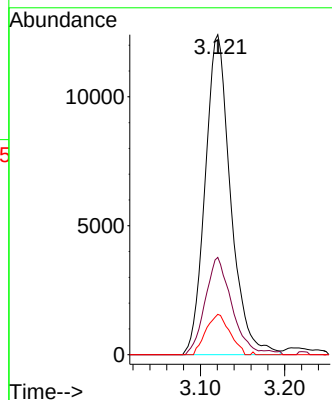
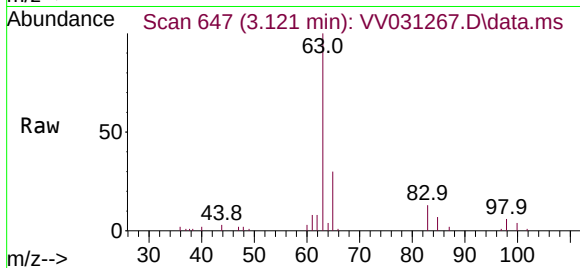
Tgt Ion: 63 Resp: 26073

Ion Ratio Lower Upper

63 100

65 30.4 20.9 38.9

83 12.6 9.1 16.9



#21

2-Butanone

Concen: 8.580 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.013 min

Lab File: VV031267.D

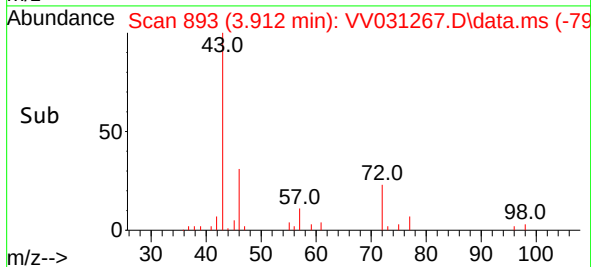
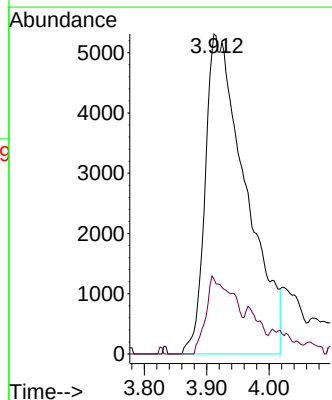
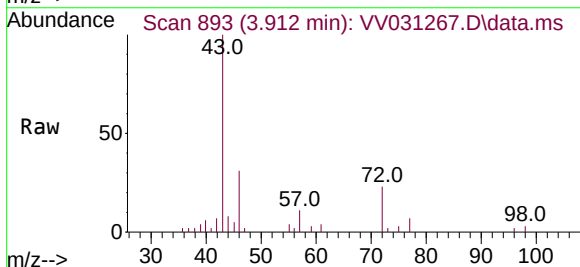
Acq: 30 May 2023 14:47

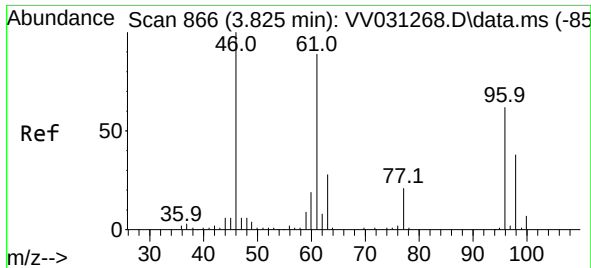
Tgt Ion: 43 Resp: 23818

Ion Ratio Lower Upper

43 100

72 17.1 10.6 31.8

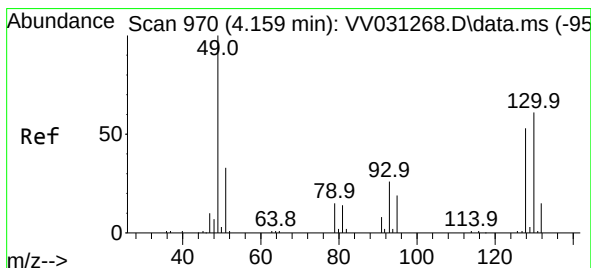
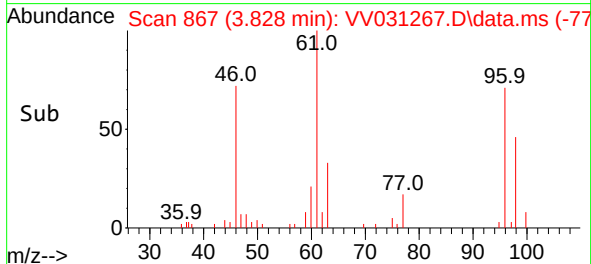
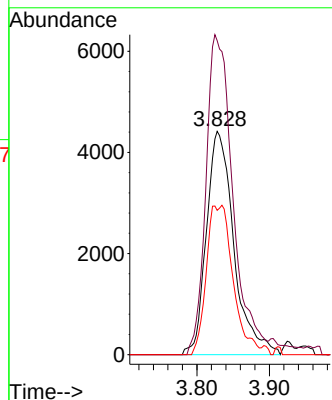
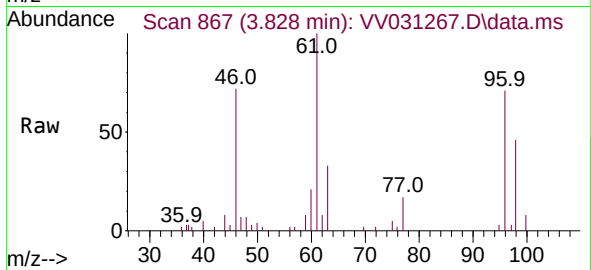




#22
 cis-1,2-Dichloroethene
 Concen: 1.132 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV031267.D
 Acq: 30 May 2023 14:47

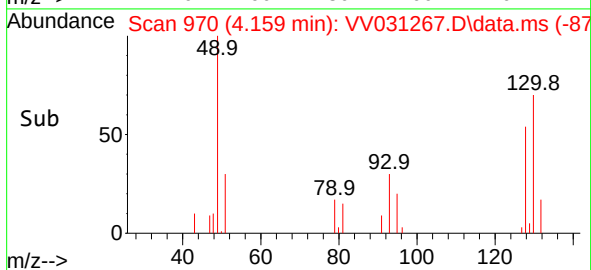
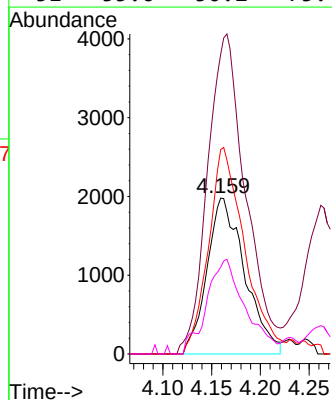
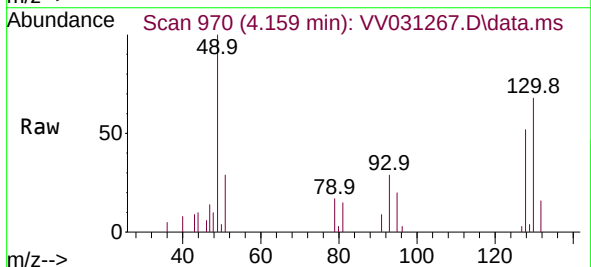
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001248

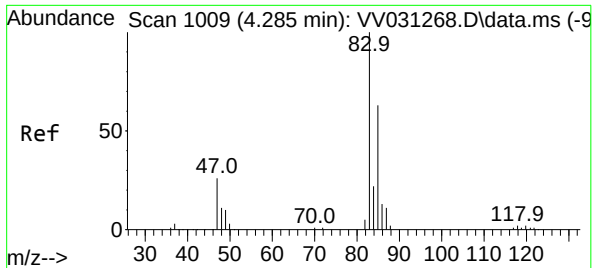
Tgt Ion: 96 Resp: 11632
 Ion Ratio Lower Upper
 96 100
 61 140.6 100.5 186.7
 98 64.6 42.9 79.7



#23
 Bromochloromethane
 Concen: 1.174 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VV031267.D
 Acq: 30 May 2023 14:47

Tgt Ion: 128 Resp: 5335
 Ion Ratio Lower Upper
 128 100
 49 192.3 132.5 246.1
 130 131.1 80.9 150.3
 51 55.6 50.2 75.4

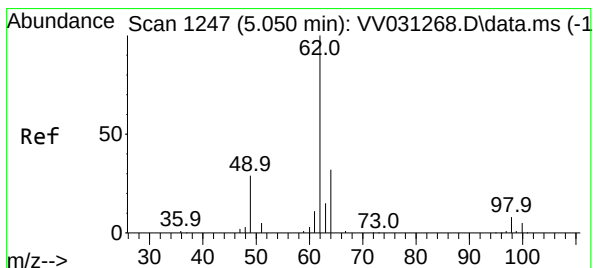
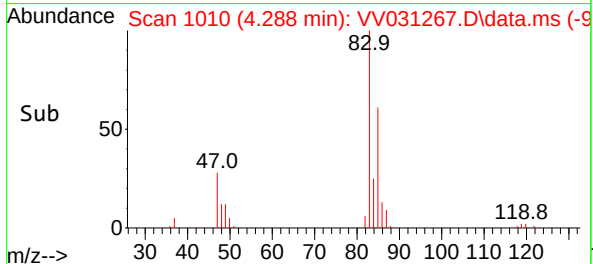
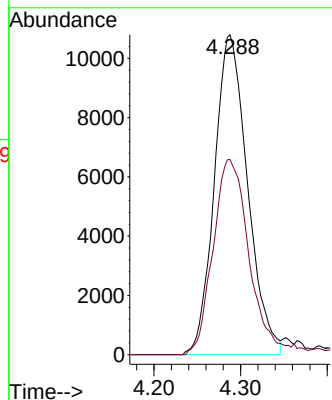
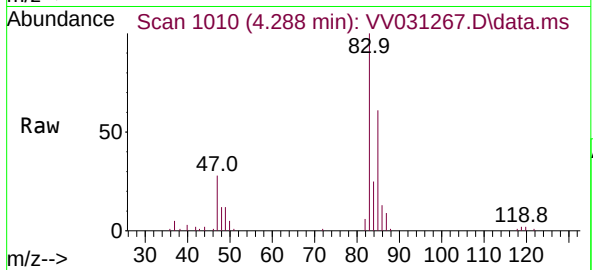




#25
Chloroform
Concen: 1.270 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

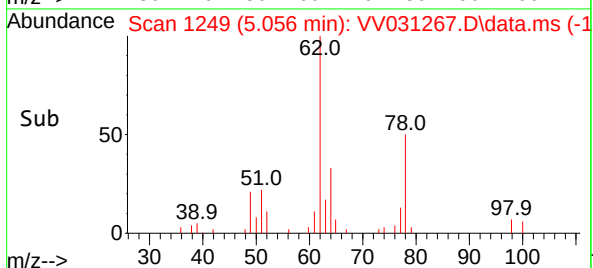
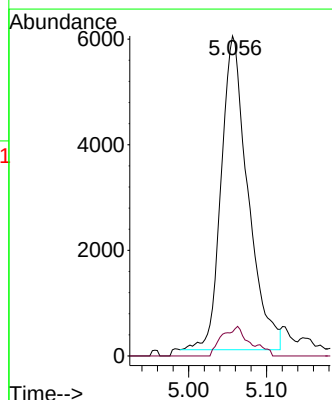
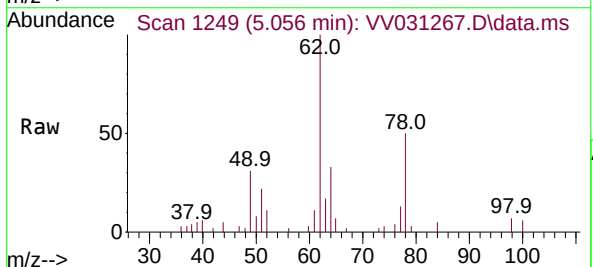
Instrument :
MSVOA_V
ClientSampleId :
VSTD001248

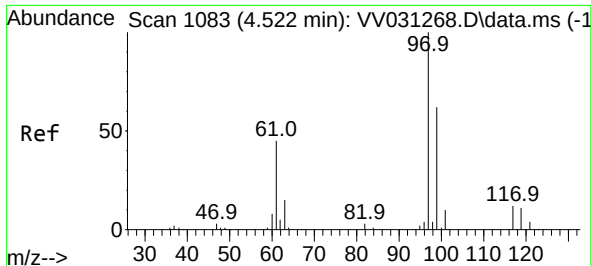
Tgt Ion: 83 Resp: 28719
Ion Ratio Lower Upper
83 100
85 61.1 44.0 81.6



#27
1,2-Dichloroethane
Concen: 1.117 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.006 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion: 62 Resp: 14184
Ion Ratio Lower Upper
62 100
98 7.5 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 1.119 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001248

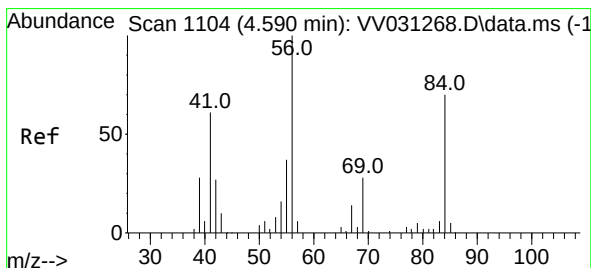
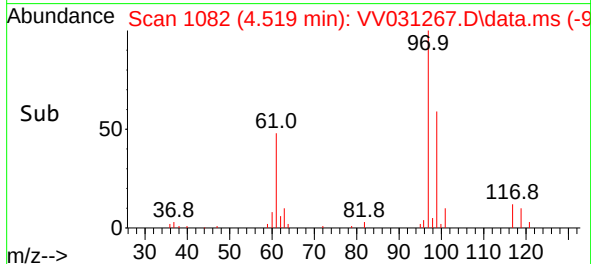
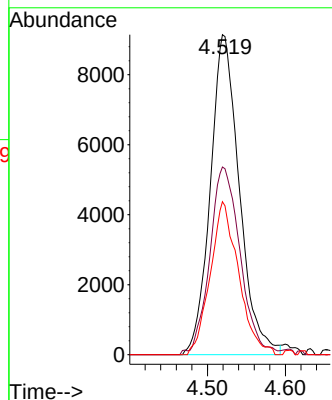
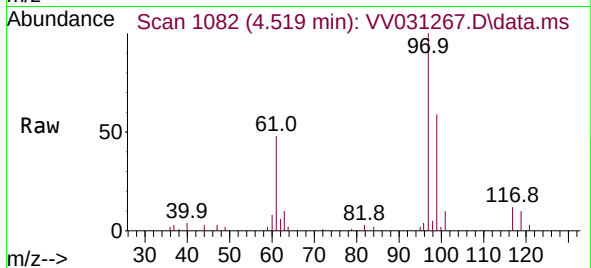
Tgt Ion: 97 Resp: 23685

Ion Ratio Lower Upper

97 100

99 61.4 51.4 77.2

61 46.6 36.2 54.4



#30

Cyclohexane

Concen: 1.087 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

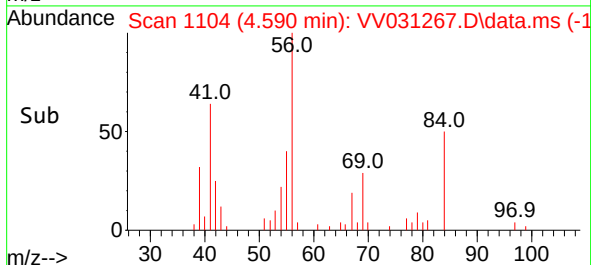
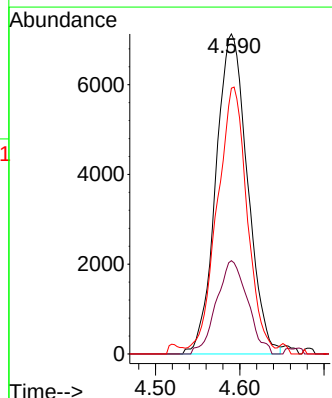
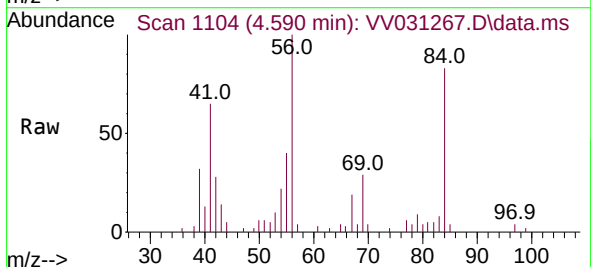
Tgt Ion: 56 Resp: 18596

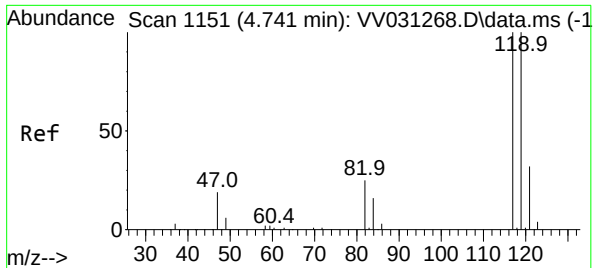
Ion Ratio Lower Upper

56 100

69 28.6 23.4 35.2

84 76.8 59.6 89.4

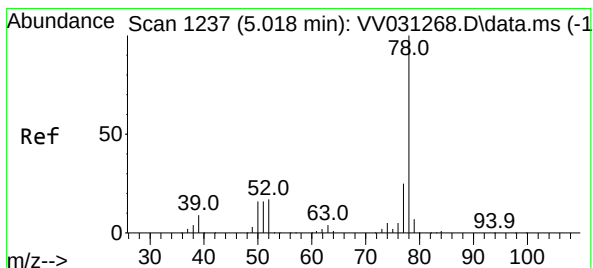
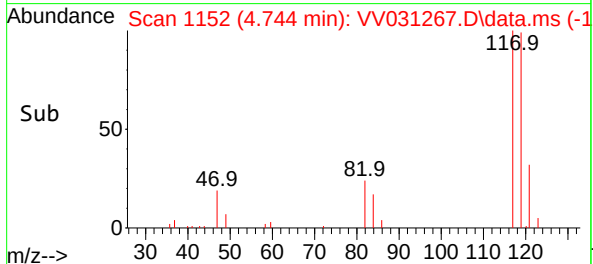
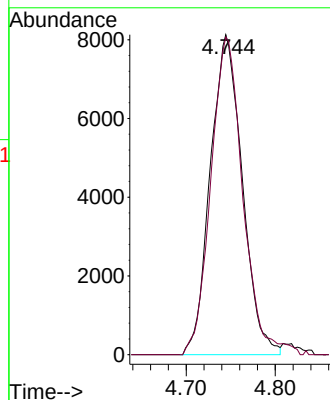
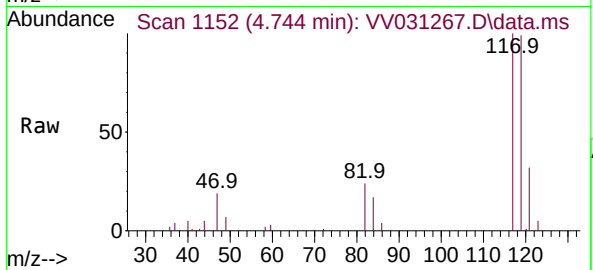




#31
Carbon tetrachloride
Concen: 1.103 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

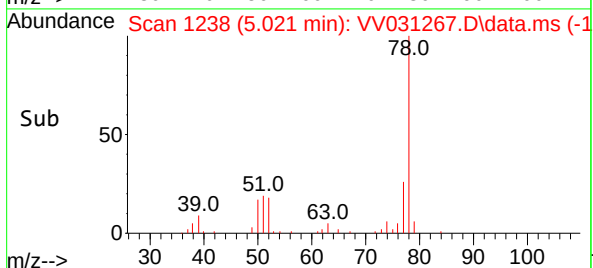
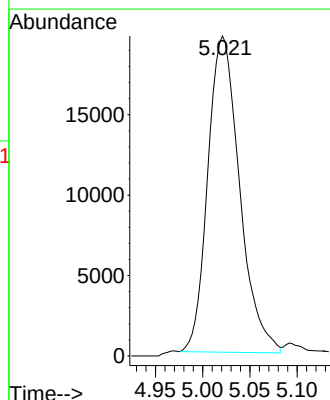
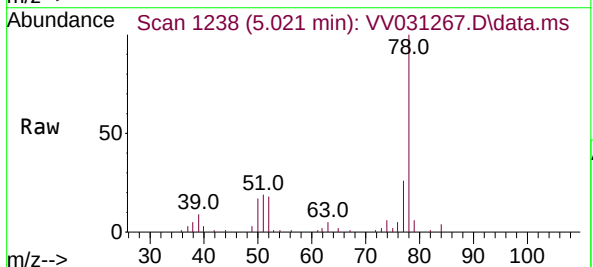
Instrument :
MSVOA_V
ClientSampleId :
VSTD001248

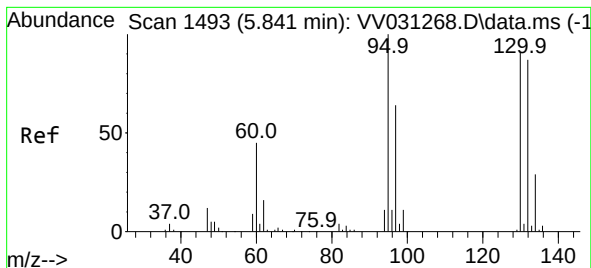
Tgt Ion:117 Resp: 20262
Ion Ratio Lower Upper
117 100
119 99.2 78.7 118.1



#33
Benzene
Concen: 1.063 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion: 78 Resp: 46024





#34

Trichloroethene

Concen: 1.165 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001248

Tgt Ion: 95 Resp: 13565

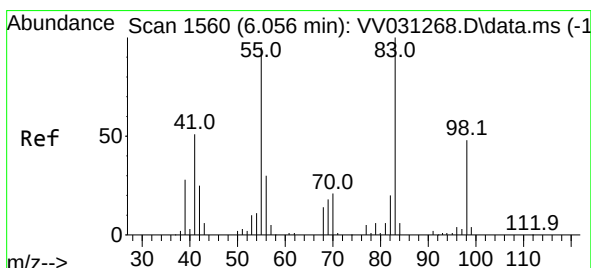
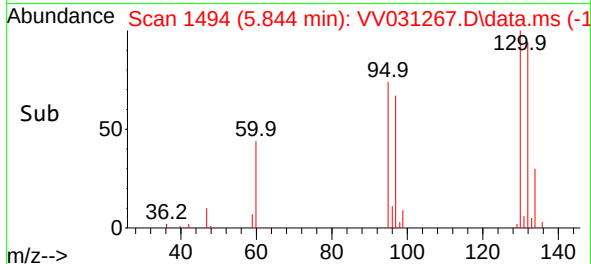
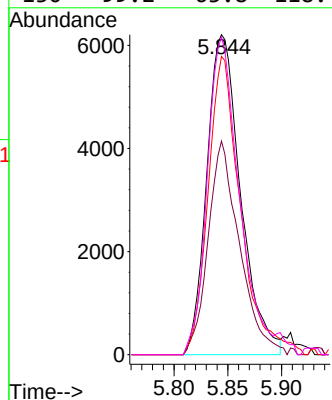
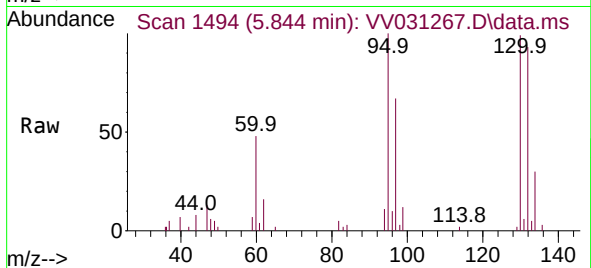
Ion Ratio Lower Upper

95 100

97 66.7 44.7 83.1

132 93.2 61.1 113.5

130 99.2 63.8 118.4



#35

Methylcyclohexane

Concen: 1.063 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

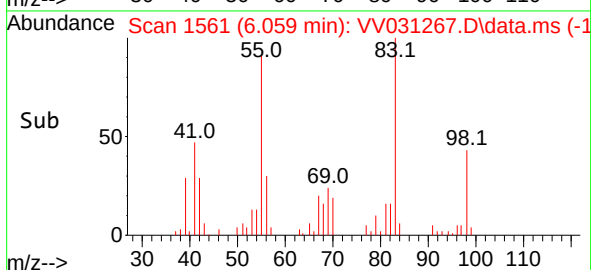
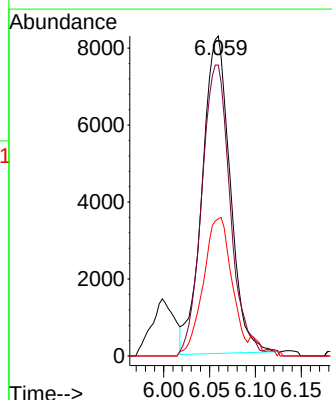
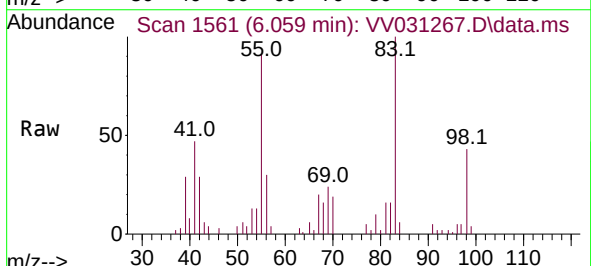
Tgt Ion: 83 Resp: 17468

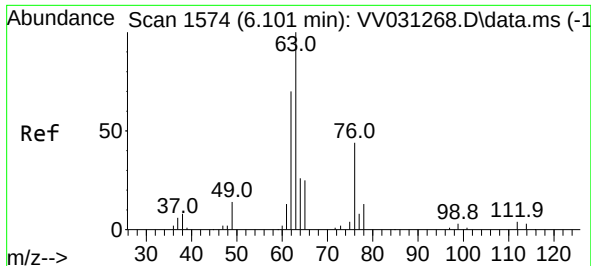
Ion Ratio Lower Upper

83 100

55 93.6 72.6 108.8

98 44.4 35.9 53.9





#37

1,2-Dichloropropane

Concen: 1.018 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

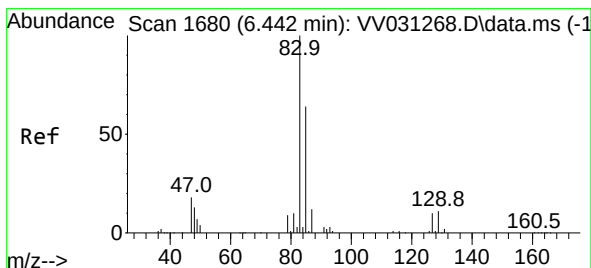
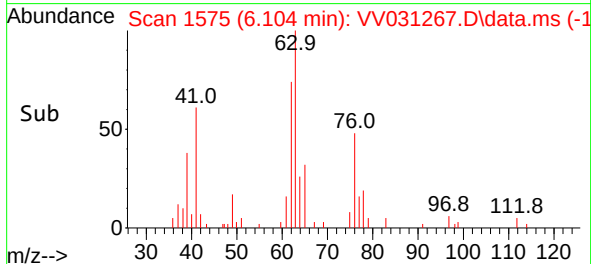
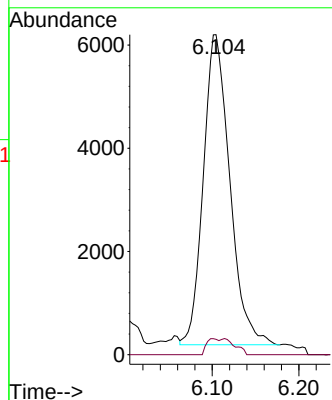
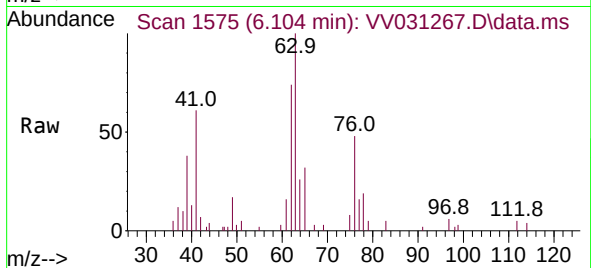
VSTD001248

Tgt Ion: 63 Resp: 12767

Ion Ratio Lower Upper

63 100

112 2.4 3.2 4.8#



#38

Bromodichloromethane

Concen: 1.171 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.000 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

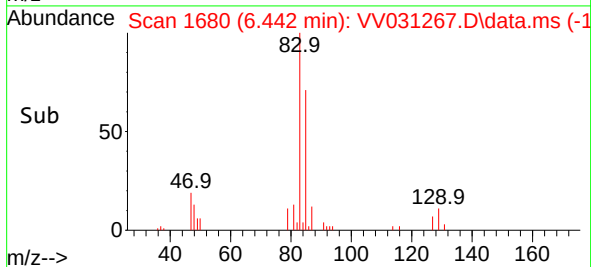
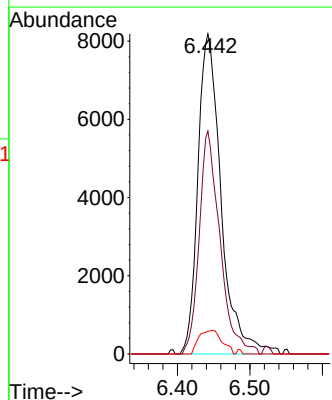
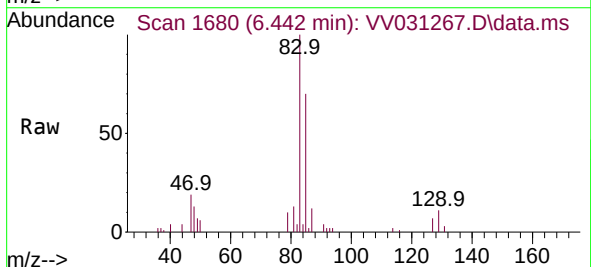
Tgt Ion: 83 Resp: 18232

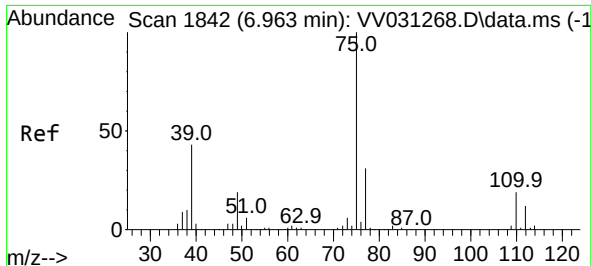
Ion Ratio Lower Upper

83 100

85 69.6 44.5 82.7

127 7.1 7.7 11.5#





#39

cis-1,3-Dichloropropene

Concen: 0.988 ug/L

RT: 6.966 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

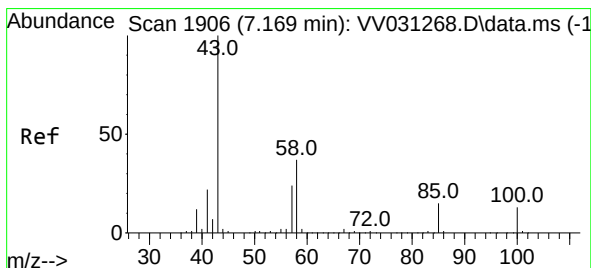
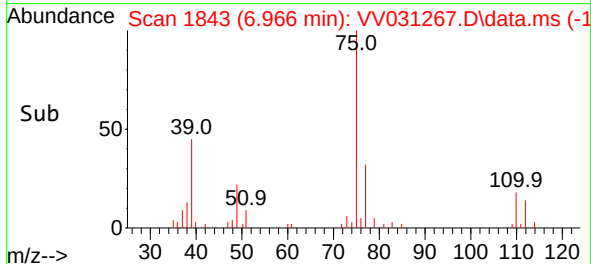
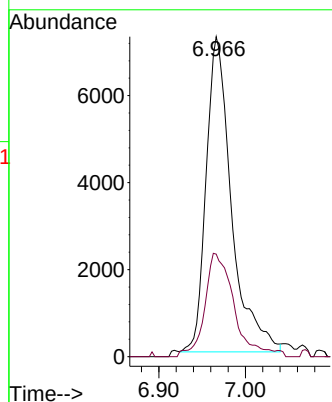
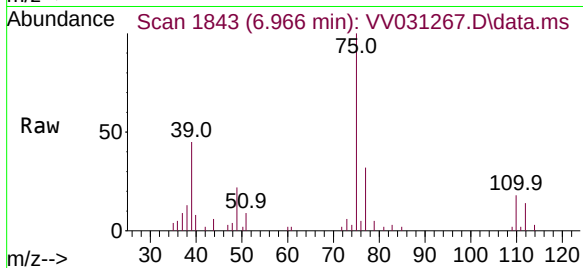
VSTD001248

Tgt Ion: 75 Resp: 14759

Ion Ratio Lower Upper

75 100

77 32.0 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 10.591 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

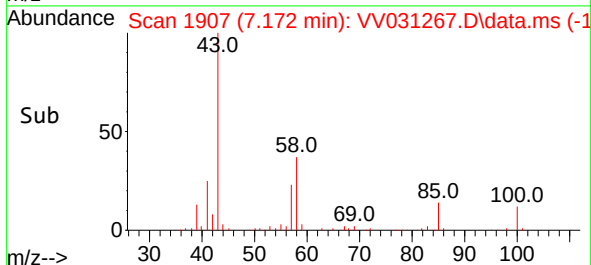
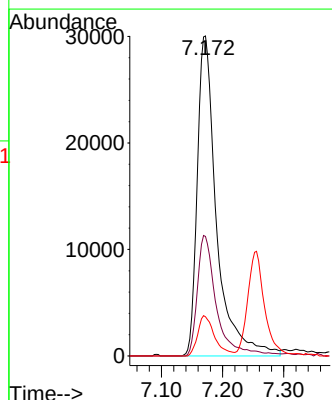
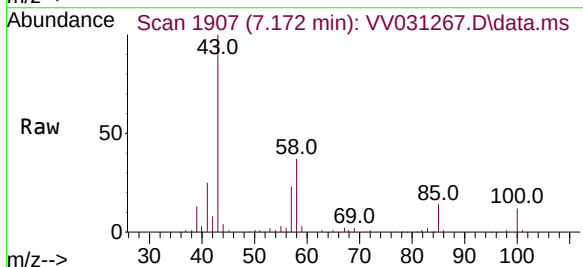
Tgt Ion: 43 Resp: 65987

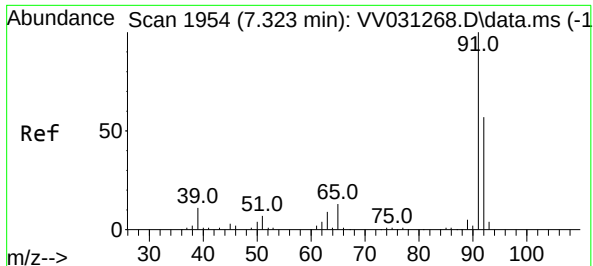
Ion Ratio Lower Upper

43 100

58 37.3 29.5 44.3

100 11.1 9.8 14.6





#42

Toluene

Concen: 1.076 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

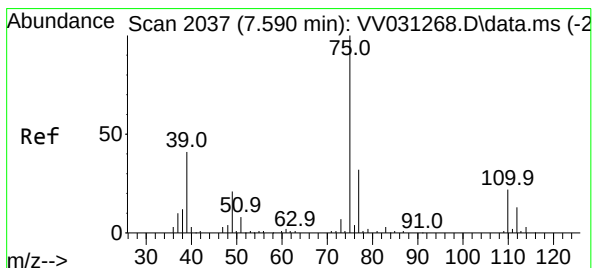
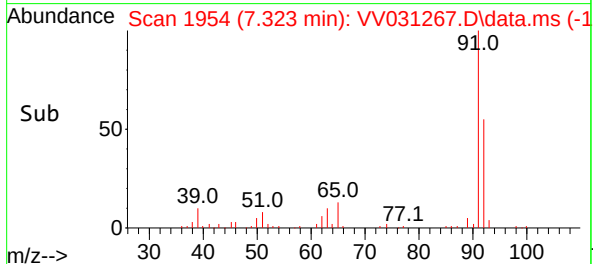
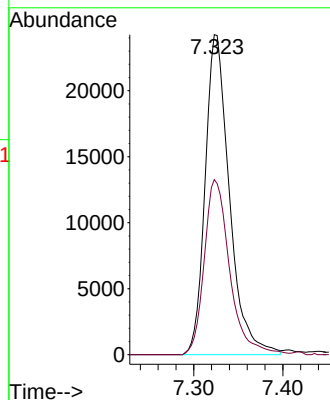
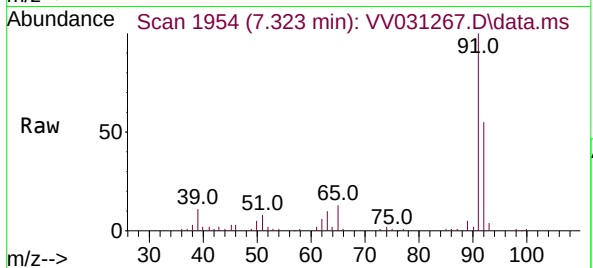
VSTD001248

Tgt Ion: 91 Resp: 45857

Ion Ratio Lower Upper

91 100

92 54.7 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 0.989 ug/L

RT: 7.596 min Scan# 2039

Delta R.T. 0.006 min

Lab File: VV031267.D

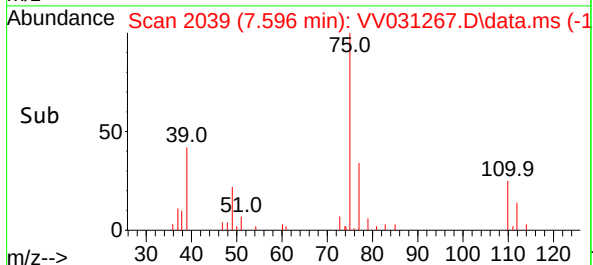
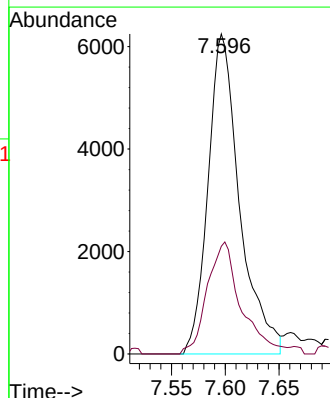
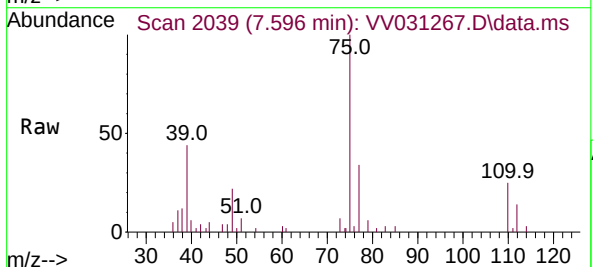
Acq: 30 May 2023 14:47

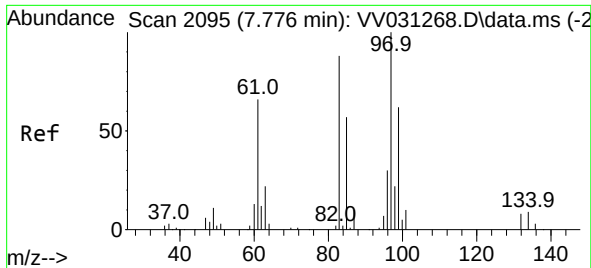
Tgt Ion: 75 Resp: 12766

Ion Ratio Lower Upper

75 100

77 33.7 22.4 41.6

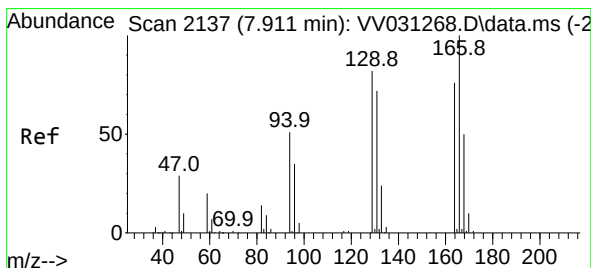
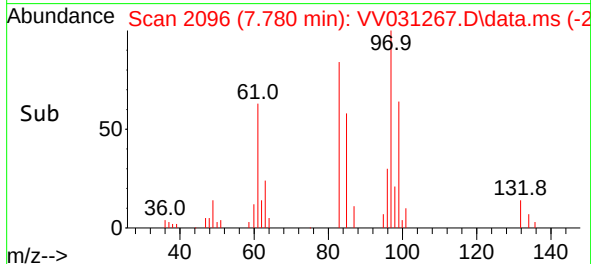
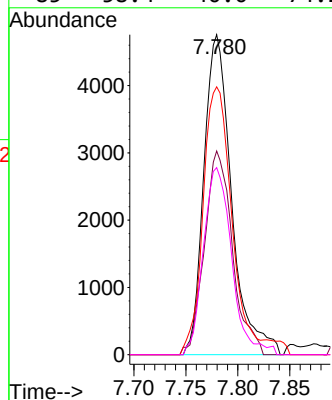
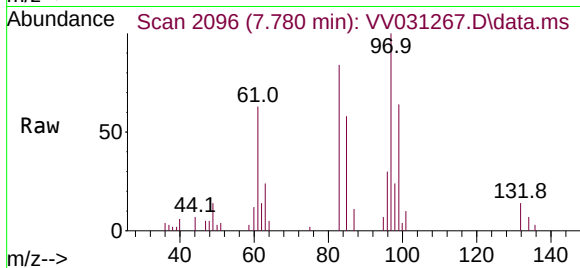




#45
1,1,2-Trichloroethane
Concen: 1.171 ug/L
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

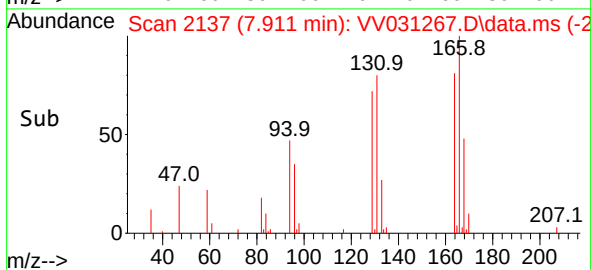
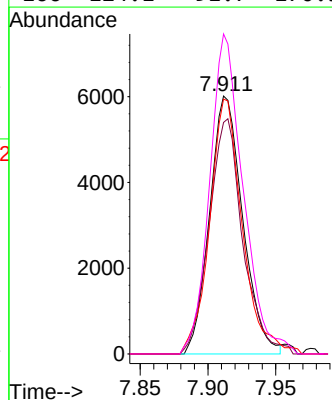
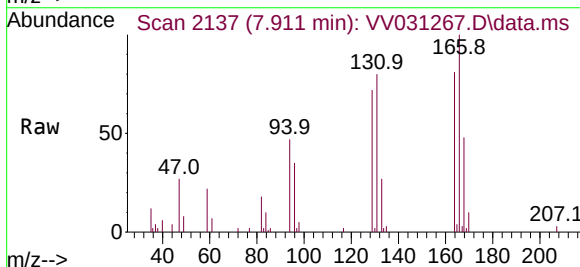
Instrument :
MSVOA_V
ClientSampleId :
VSTD001248

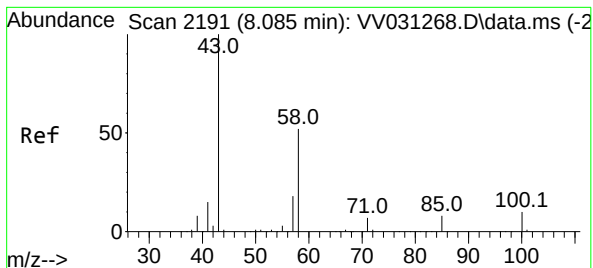
Tgt Ion: 97	Resp: 8849
Ion Ratio	Lower Upper
97 100	
99 63.7	43.8 81.3
83 83.7	61.8 114.8
85 58.4	40.0 74.2



#47
Tetrachloroethene
Concen: 1.194 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt	Ion:164	Resp:	10218
Ion	Ratio	Lower	Upper
164	100		
129	89.8	75.3	139.8
131	98.8	65.6	121.8
166	124.1	91.7	170.3





#48

2-Hexanone

Concen: 8.665 ug/L

RT: 8.091 min Scan# 2191

Delta R.T. 0.006 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001248

Tgt Ion: 43 Resp: 42722

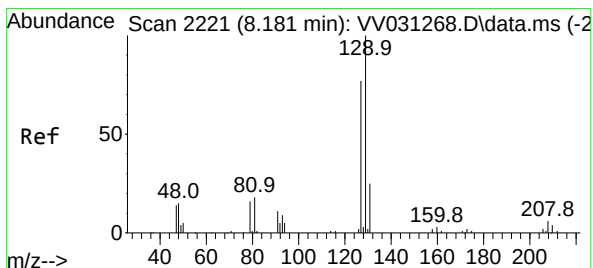
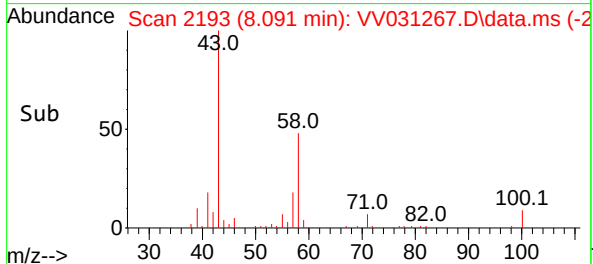
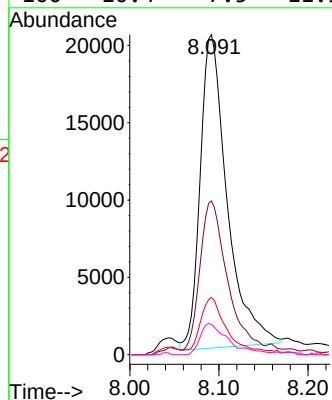
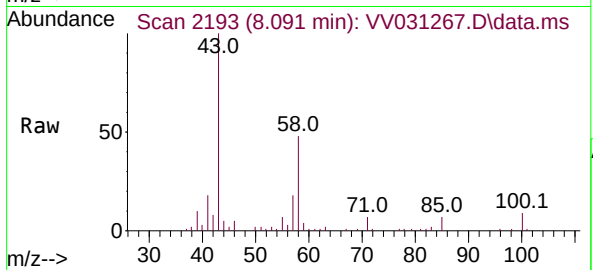
Ion Ratio Lower Upper

43 100

58 48.3 41.2 61.8

57 18.6 14.1 21.1

100 10.4 7.5 11.3



#49

Dibromochloromethane

Concen: 1.089 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.003 min

Lab File: VV031267.D

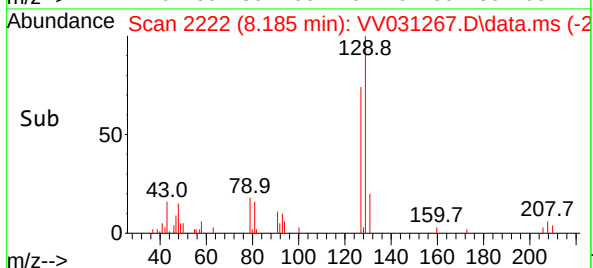
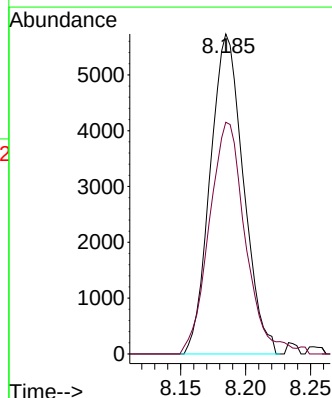
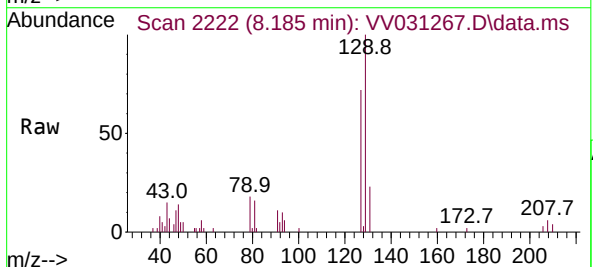
Acq: 30 May 2023 14:47

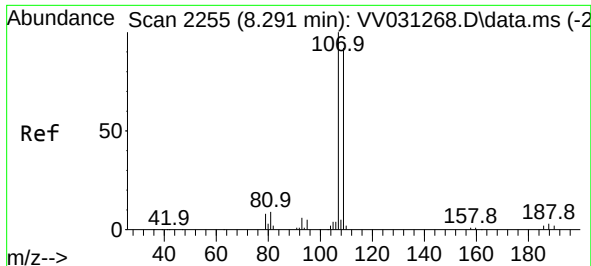
Tgt Ion: 129 Resp: 10198

Ion Ratio Lower Upper

129 100

127 72.4 54.1 100.5





#50

1,2-Dibromoethane

Concen: 1.255 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001248

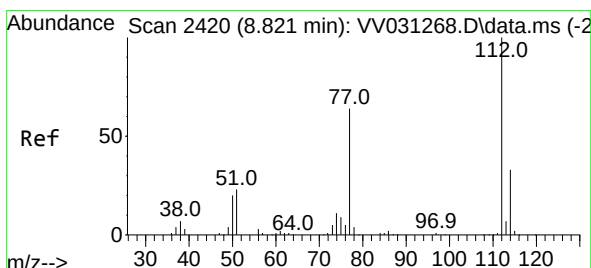
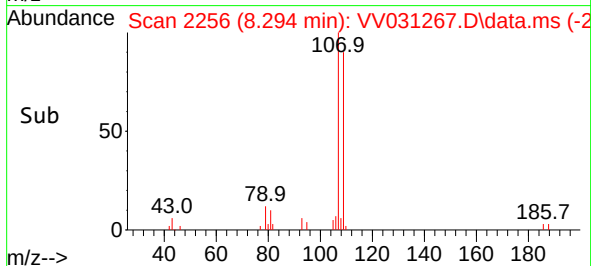
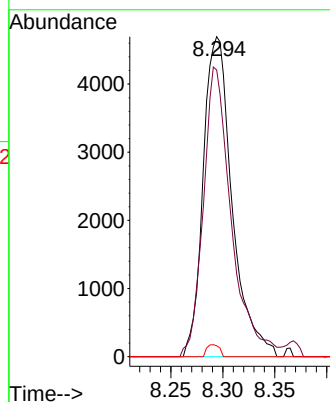
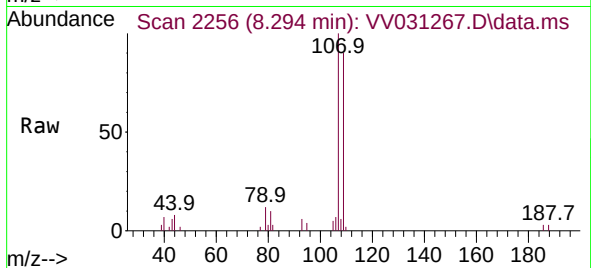
Tgt Ion:107 Resp: 9090

Ion Ratio Lower Upper

107 100

109 89.6 64.3 119.5

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 1.067 ug/L

RT: 8.825 min Scan# 2421

Delta R.T. 0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

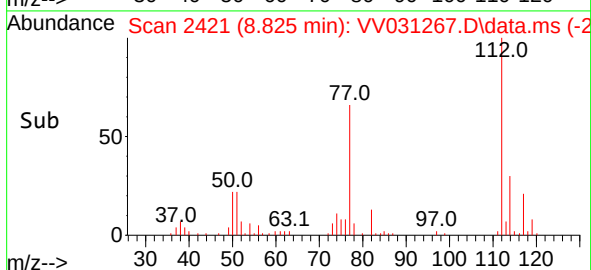
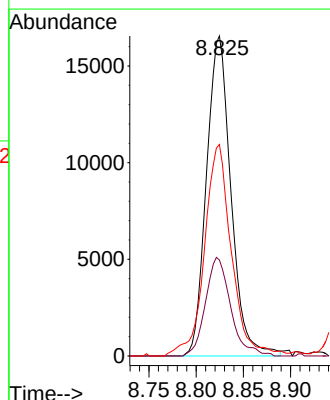
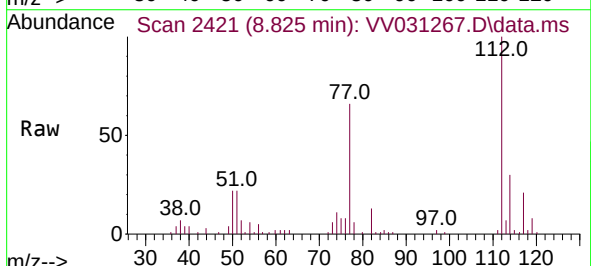
Tgt Ion:112 Resp: 29858

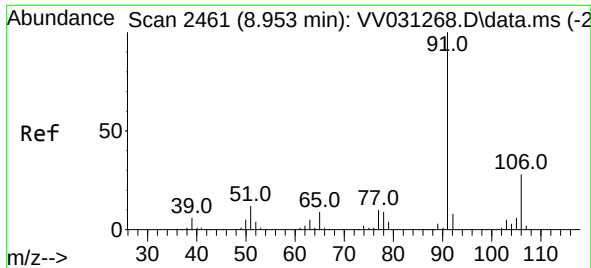
Ion Ratio Lower Upper

112 100

114 30.0 23.1 42.9

77 66.1 51.5 77.3

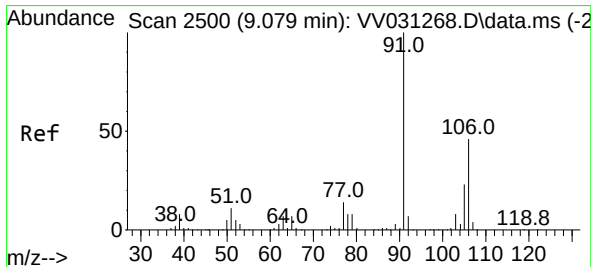
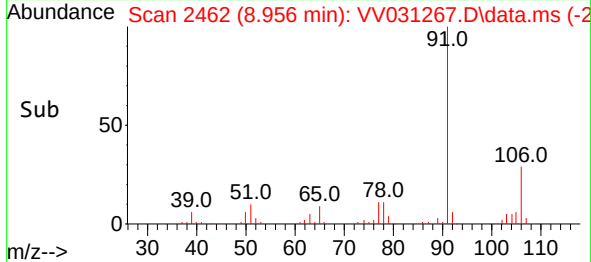
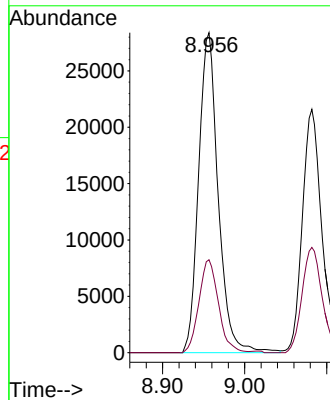
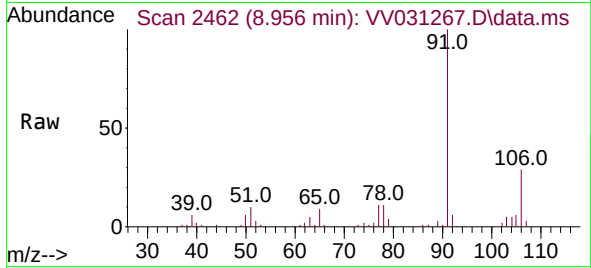




#52
Ethylbenzene
Concen: 0.987 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

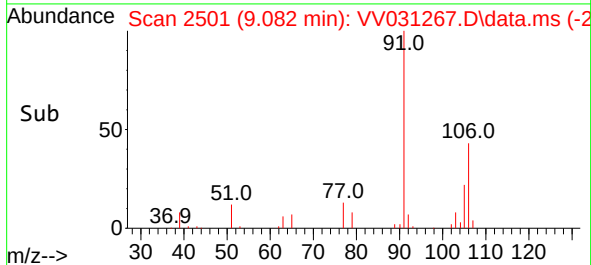
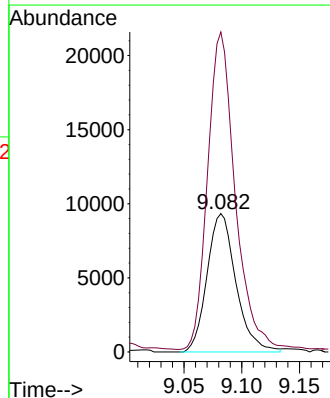
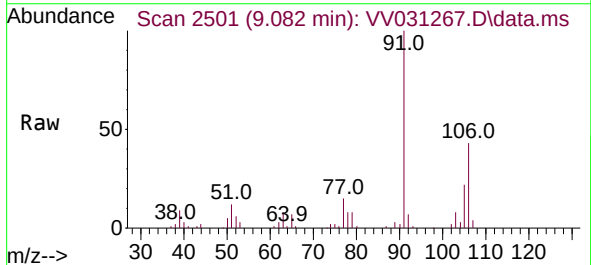
Instrument :
MSVOA_V
ClientSampleId :
VSTD001248

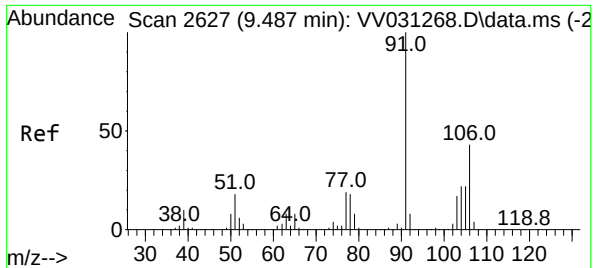
Tgt Ion: 91 Resp: 46981
Ion Ratio Lower Upper
91 100
106 29.1 19.8 36.8



#53
m,p-Xylene
Concen: 0.928 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion: 106 Resp: 16257
Ion Ratio Lower Upper
106 100
91 231.2 152.3 282.9

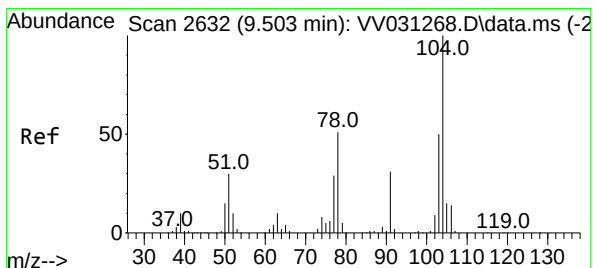
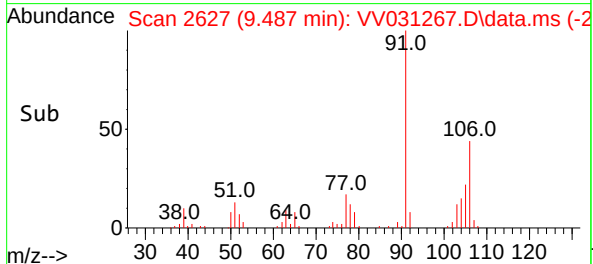
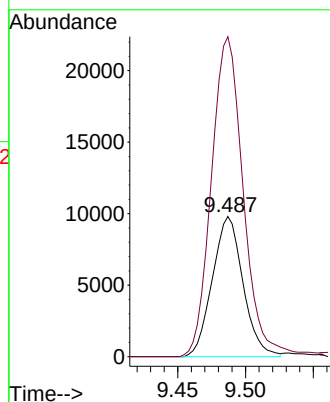
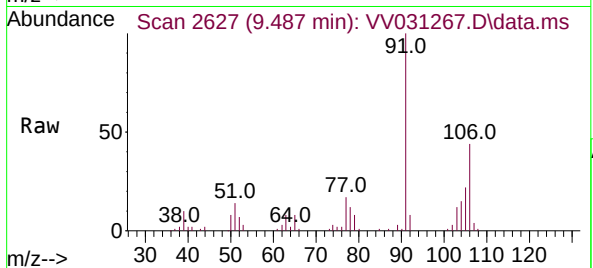




#54
o-Xylene
Concen: 0.923 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

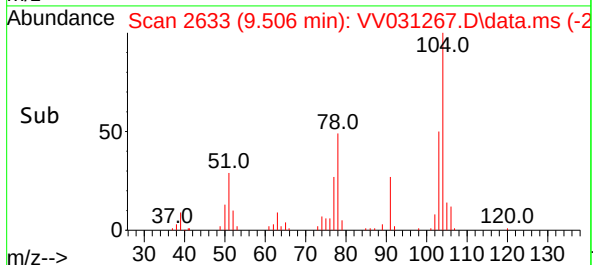
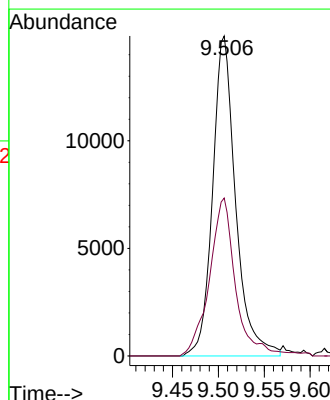
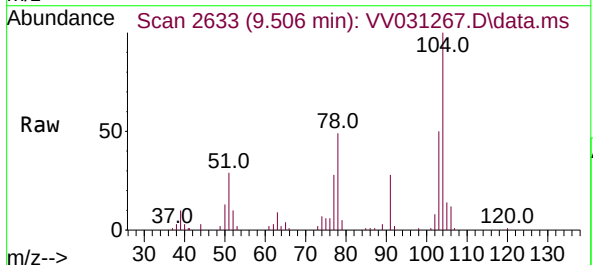
Instrument :
MSVOA_V
ClientSampleId :
VSTD001248

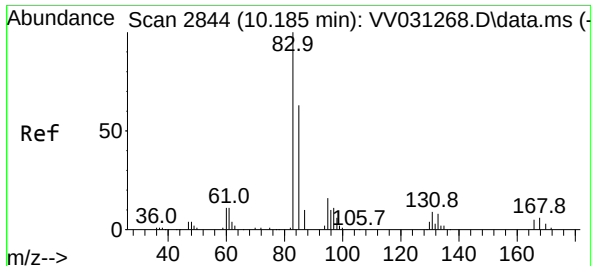
Tgt Ion:106 Resp: 15417
Ion Ratio Lower Upper
106 100
91 228.2 164.1 304.7



#55
Styrene
Concen: 0.881 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion:104 Resp: 26006
Ion Ratio Lower Upper
104 100
78 49.3 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 1.103 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001248

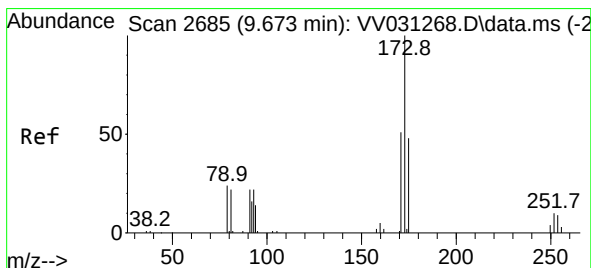
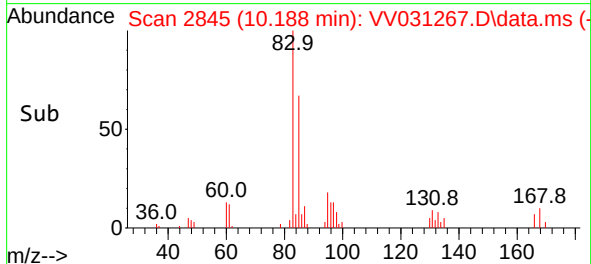
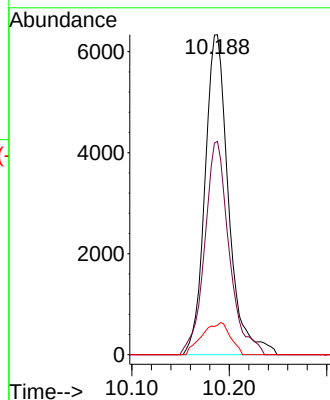
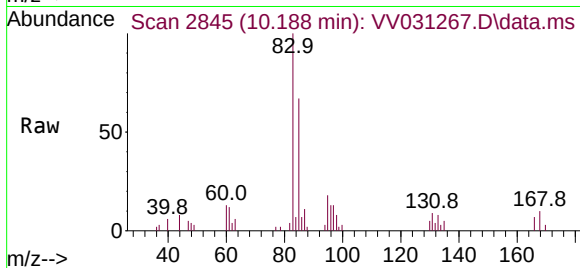
Tgt Ion: 83 Resp: 10654

Ion Ratio Lower Upper

83 100

85 66.7 43.8 81.4

131 9.2 7.0 10.6



#59

Bromoform

Concen: 1.158 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

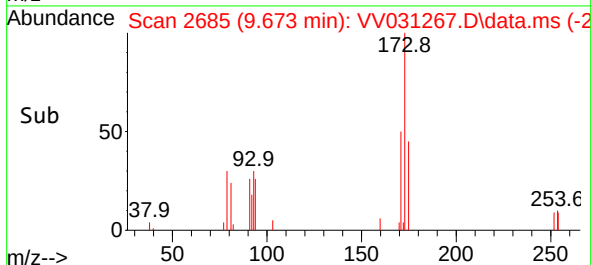
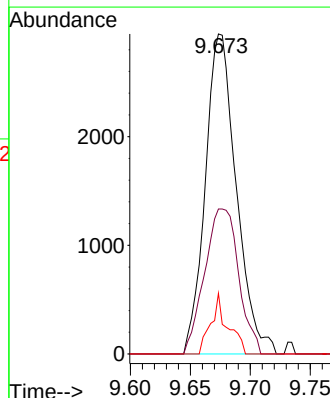
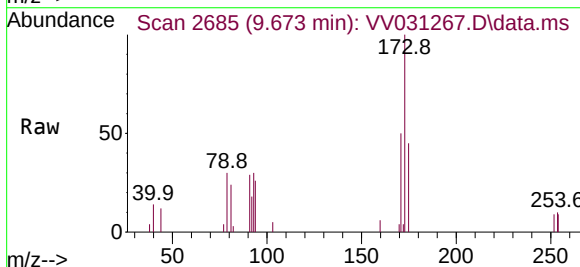
Tgt Ion: 173 Resp: 5293

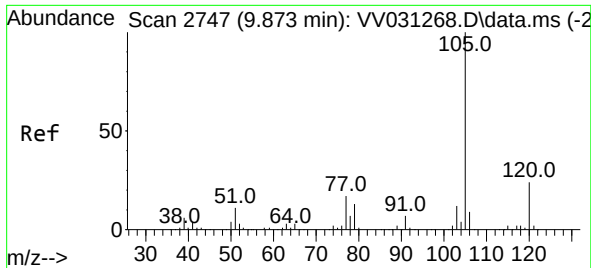
Ion Ratio Lower Upper

173 100

175 49.7 38.2 57.4

254 10.2 8.0 12.0

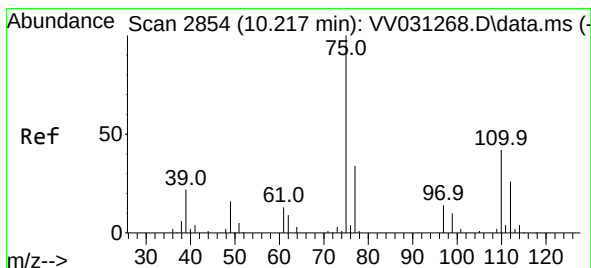
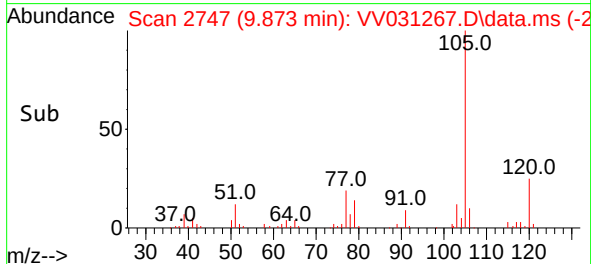
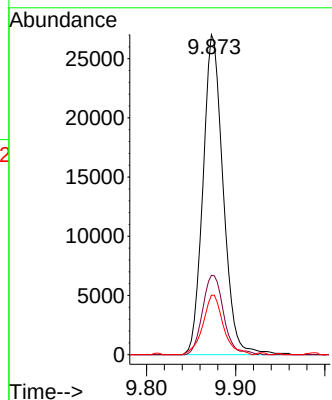
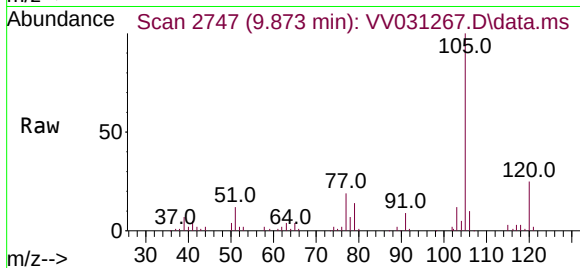




#60
Isopropylbenzene
Concen: 1.034 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

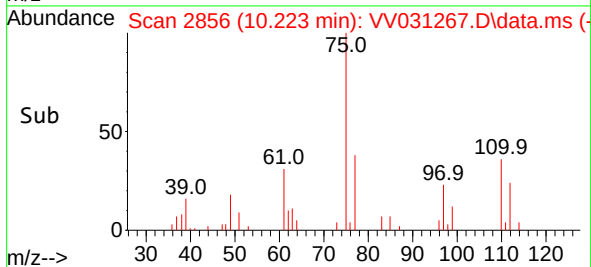
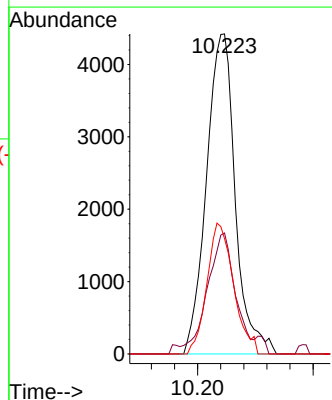
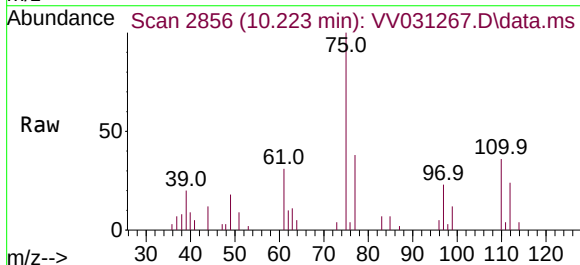
Instrument :
MSVOA_V
ClientSampleId :
VSTD001248

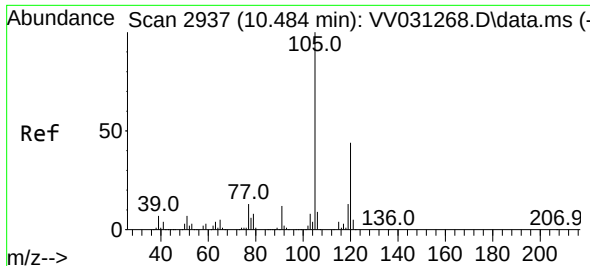
Tgt Ion:105 Resp: 42514
Ion Ratio Lower Upper
105 100
120 25.9 19.8 29.6
77 18.8 14.0 21.0



#61
1,2,3-Trichloropropane
Concen: 1.251 ug/L
RT: 10.223 min Scan# 2856
Delta R.T. 0.006 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion: 75 Resp: 7661
Ion Ratio Lower Upper
75 100
77 31.7 27.0 40.6
110 37.7 31.9 47.9

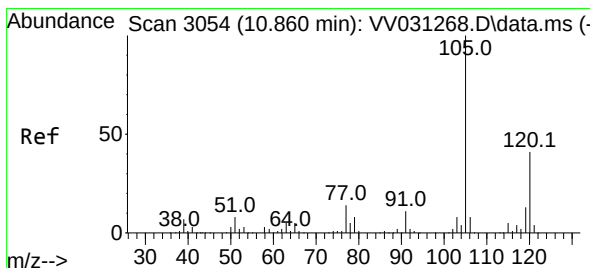
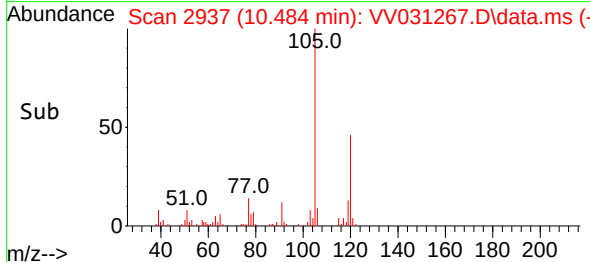
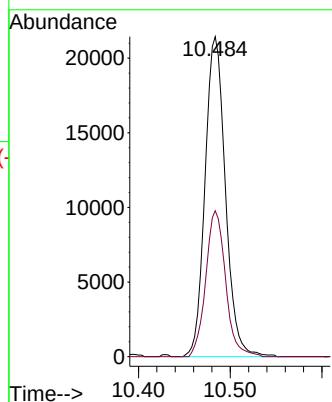
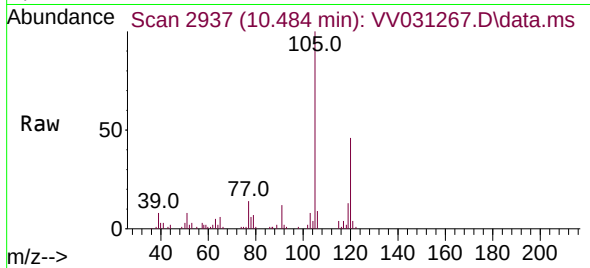




#62
 1,3,5-Trimethylbenzene
 Concen: 0.991 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031267.D
 Acq: 30 May 2023 14:47

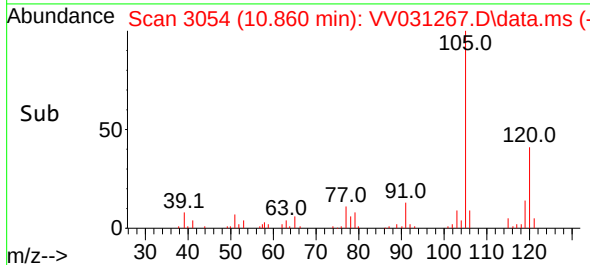
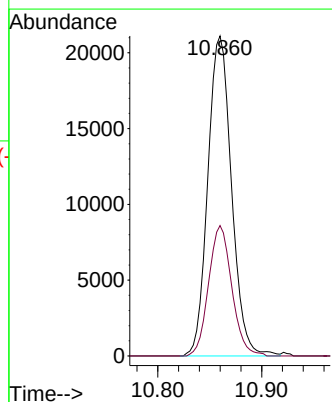
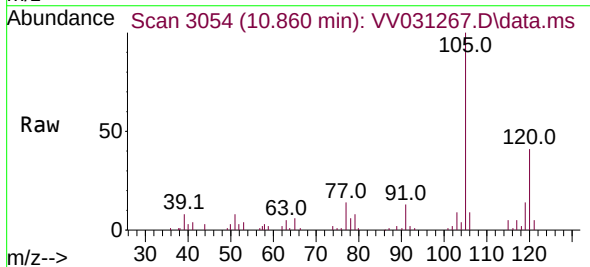
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001248

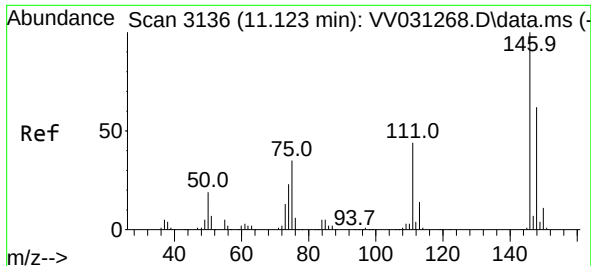
Tgt Ion:105 Resp: 33095
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.8 53.6



#63
 1,2,4-Trimethylbenzene
 Concen: 0.979 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV031267.D
 Acq: 30 May 2023 14:47

Tgt Ion:105 Resp: 33465
 Ion Ratio Lower Upper
 105 100
 120 39.8 33.9 50.9

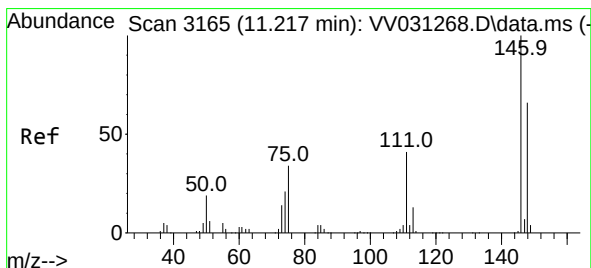
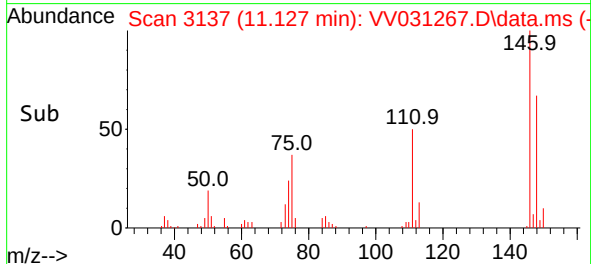
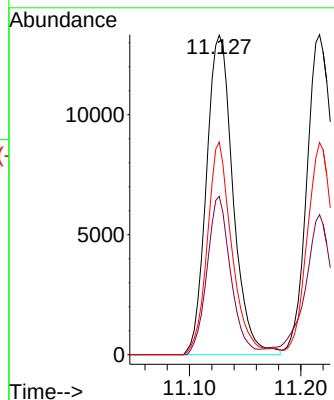
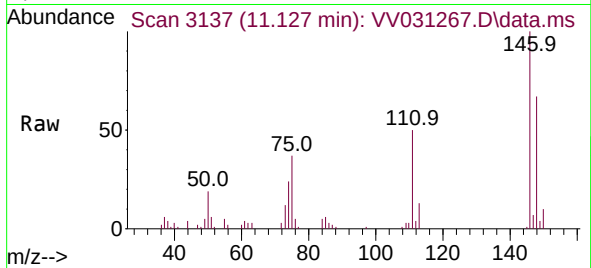




#64
1,3-Dichlorobenzene
Concen: 1.121 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

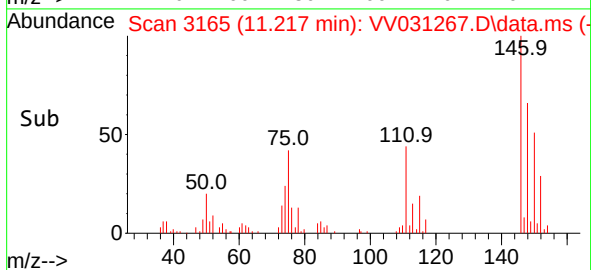
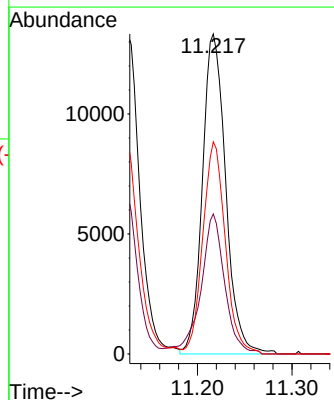
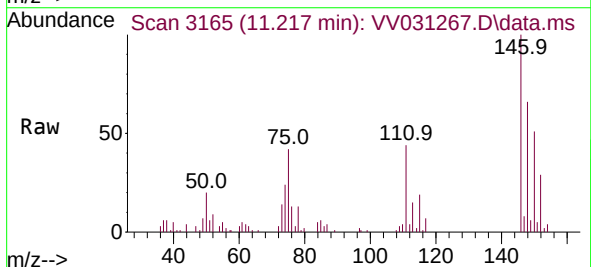
Instrument :
MSVOA_V
ClientSampleId :
VSTD001248

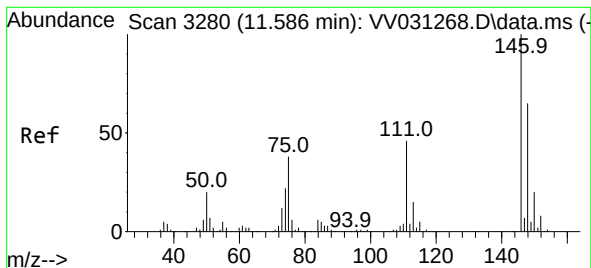
Tgt Ion:146 Resp: 22123
Ion Ratio Lower Upper
146 100
111 49.5 30.4 56.5
148 66.6 43.6 81.0



#65
1,4-Dichlorobenzene
Concen: 1.148 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion:146 Resp: 22825
Ion Ratio Lower Upper
146 100
111 43.8 29.1 54.1
148 66.3 46.2 85.8





#67

1,2-Dichlorobenzene

Concen: 1.067 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001248

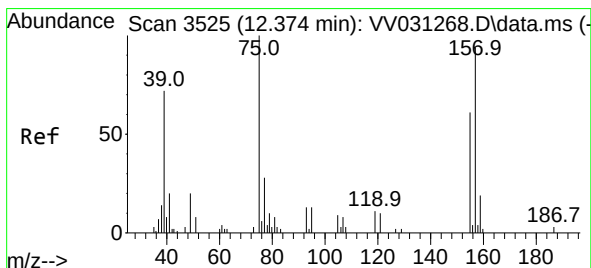
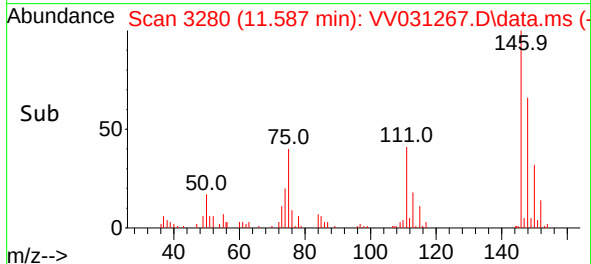
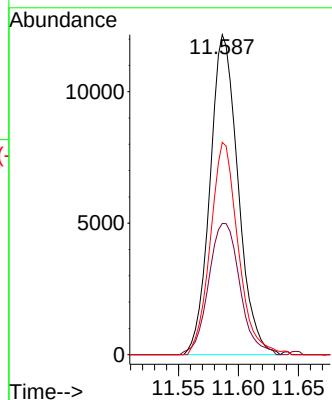
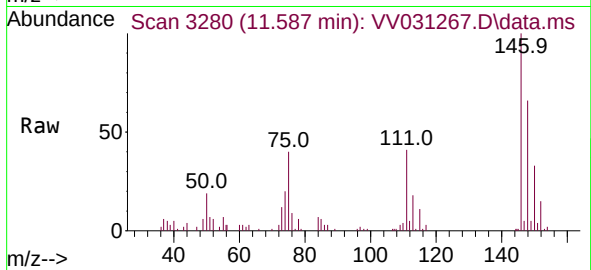
Tgt Ion:146 Resp: 19768

Ion Ratio Lower Upper

146 100

111 41.0 37.0 55.4

148 66.3 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 1.184 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.003 min

Lab File: VV031267.D

Acq: 30 May 2023 14:47

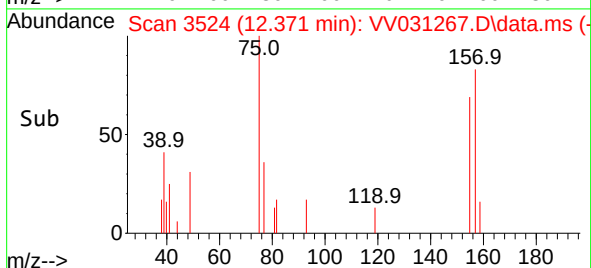
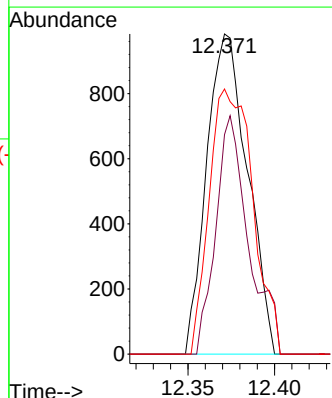
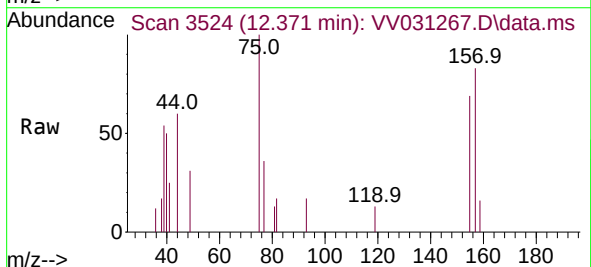
Tgt Ion: 75 Resp: 1611

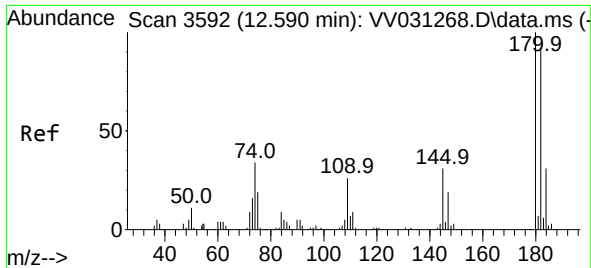
Ion Ratio Lower Upper

75 100

155 68.6 49.0 73.6

157 82.8 75.6 113.4

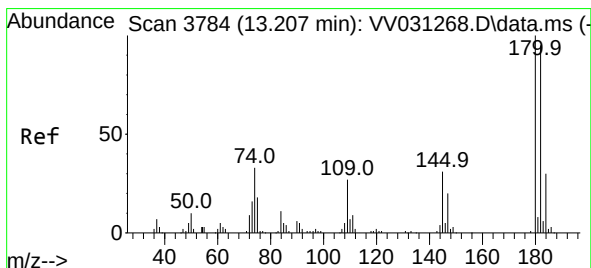
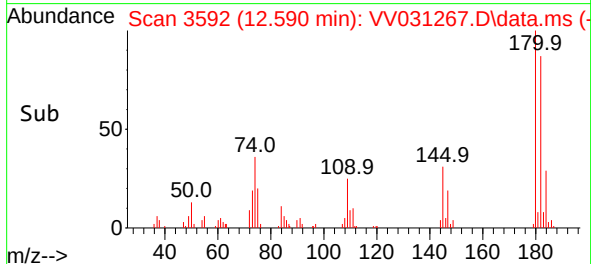
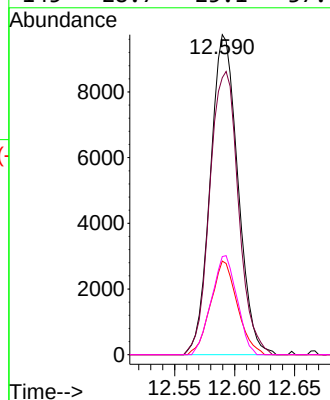
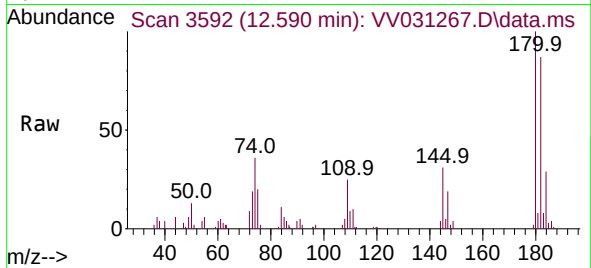




#69
1,3,5-Trichlorobenzene
Concen: 0.989 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. 0.000 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

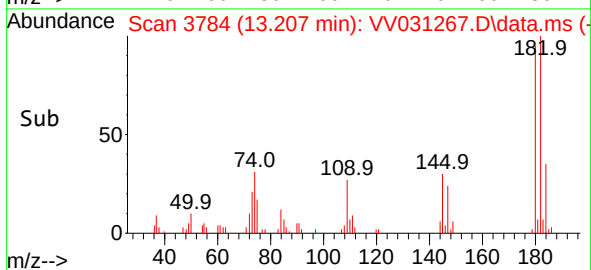
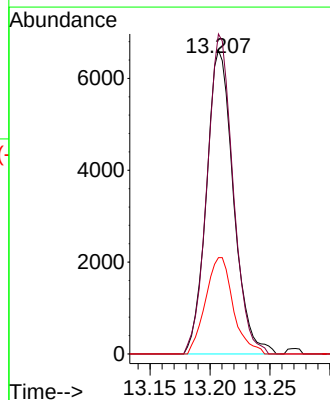
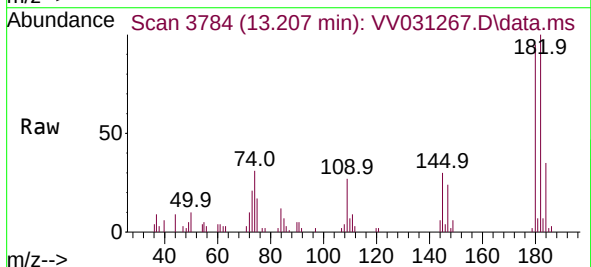
Instrument :
MSVOA_V
ClientSampleId :
VSTD001248

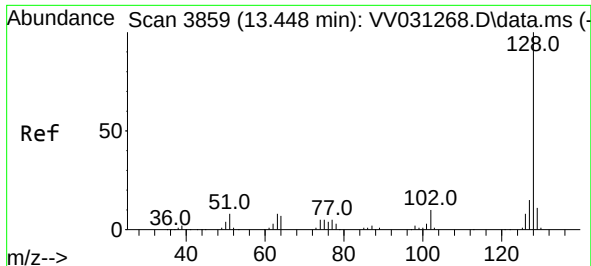
Tgt Ion:180	Resp:	15553
Ion Ratio	Lower	Upper
180	100	
182	91.9	74.5 111.7
184	28.2	24.2 36.2
145	28.7	25.1 37.7



#70
1,2,4-trichlorobenzene
Concen: 0.849 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.000 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion:180	Resp:	10363
Ion Ratio	Lower	Upper
180	100	
182	101.3	76.5 114.7
145	32.5	25.3 37.9

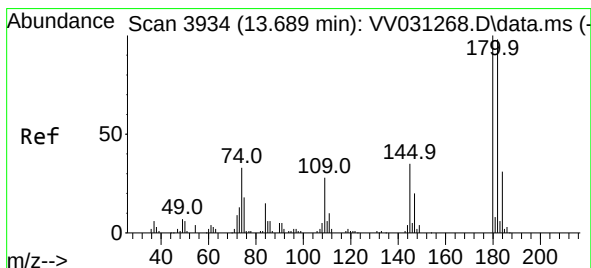
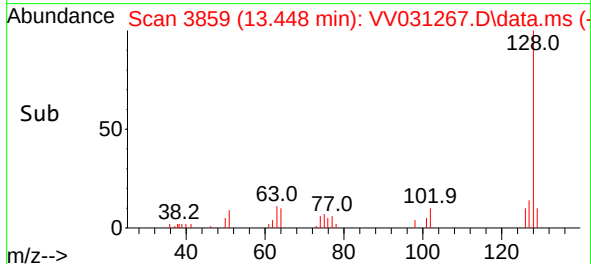
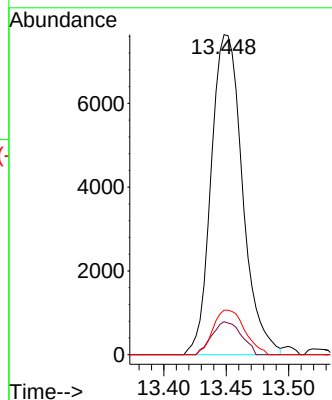
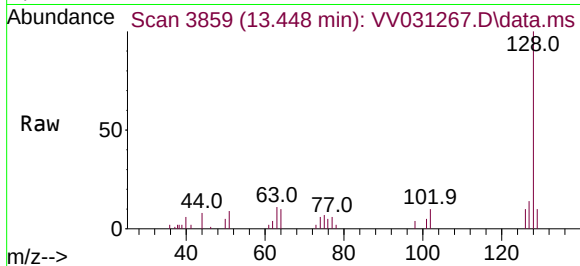




#71
Naphthalene
Concen: 0.733 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD001248

Tgt Ion:	128	Resp:	13377
Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.8	13.2
127	14.0	11.3	16.9



#72
1,2,3-Trichlorobenzene
Concen: 0.877 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV031267.D
Acq: 30 May 2023 14:47

Tgt Ion:	180	Resp:	9192
Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.5	114.7
145	37.0	27.8	41.8

