

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062223\
 Data File : VD076547.D
 Acq On : 22 Jun 2023 19:12
 Operator : KP/SY
 Sample : 03365-24
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1

Quant Time: Jun 23 06:37:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

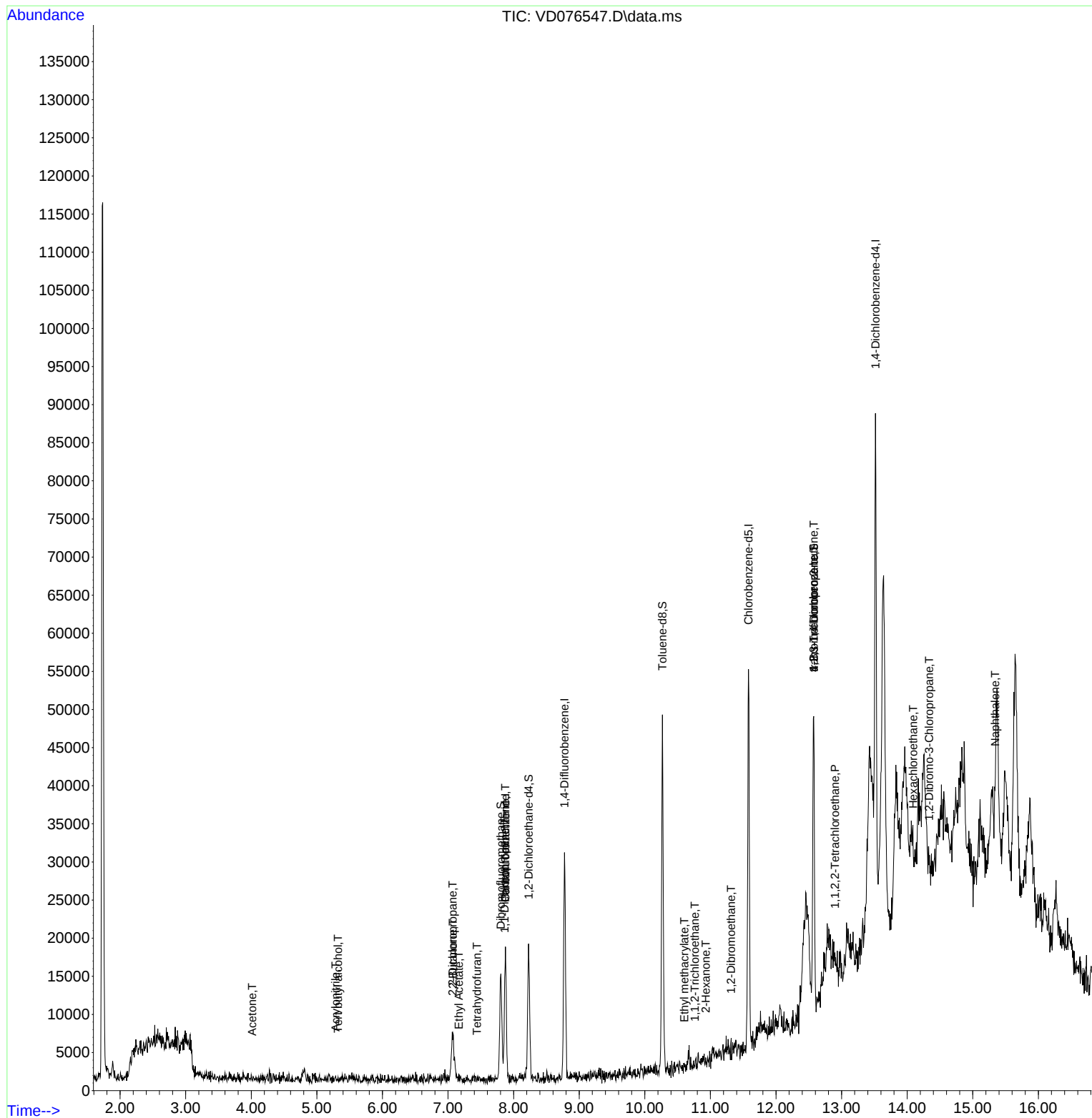
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	12283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	24432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	27726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	15892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	12727	103.417	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 206.840%#	
35) Dibromofluoromethane	7.805	113	9459	65.170	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 130.340%	
50) Toluene-d8	10.269	98	29712	53.978	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.960%	
62) 4-Bromofluorobenzene	12.575	95	13669	76.515	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 153.040%#	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.322	59	62	5.835	ug/l #	73
15) Acrylonitrile	5.287	53	80	2.320	ug/l #	18
16) Acetone	4.017	43	73	2.493	ug/l #	32
20) Methylene Chloride	4.787	84	912	Below Cal	#	87
25) 2-Butanone	7.075	43	141	3.113	ug/l #	37
26) 2,2-Dichloropropane	7.069	77	450	2.103	ug/l #	49
28) Bromochloromethane	7.422	49	62	Below Cal	#	1
29) Tetrahydrofuran	7.440	42	74	2.542	ug/l #	23
31) Cyclohexane	7.875	56	96	Below Cal	#	60
36) 1,1-Dichloropropene	7.863	75	1132	5.569	ug/l #	46
37) Ethyl Acetate	7.163	43	134	1.138	ug/l #	62
38) Carbon Tetrachloride	7.875	117	1647	9.066	ug/l #	11
55) 1,1,2-Trichloroethane	10.763	97	147	1.167	ug/l #	16
56) Ethyl methacrylate	10.604	69	222	1.350	ug/l #	36
59) 2-Hexanone	10.928	43	232	2.926	ug/l #	16
61) 1,2-Dibromoethane	11.316	107	246	2.081	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.898	83	388	1.757	ug/l	97
76) 1,2,3-Trichloropropane	12.575	75	6239	39.556	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	6239	86.677	ug/l #	17
90) Hexachloroethane	14.092	117	183	1.030	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.334	75	62	1.866	ug/l #	1
95) Naphthalene	15.339	128	796	1.318	ug/l #	68

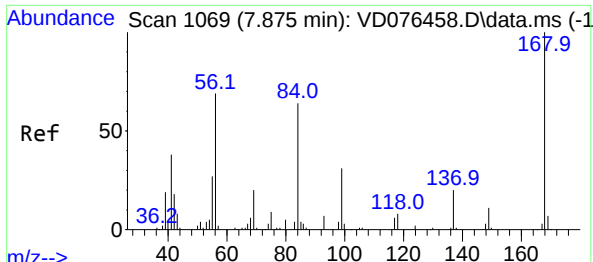
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062223\
Data File : VD076547.D
Acq On : 22 Jun 2023 19:12
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TP1

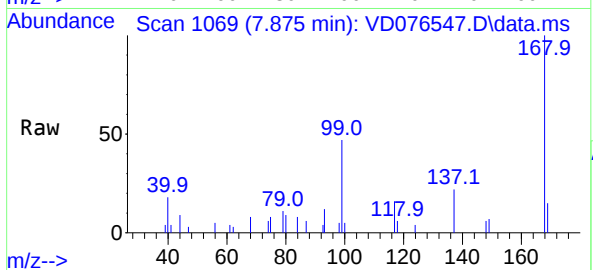
Quant Time: Jun 23 06:37:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
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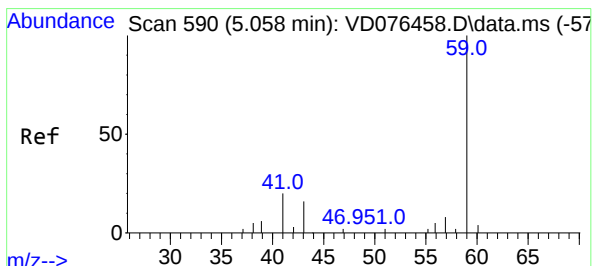
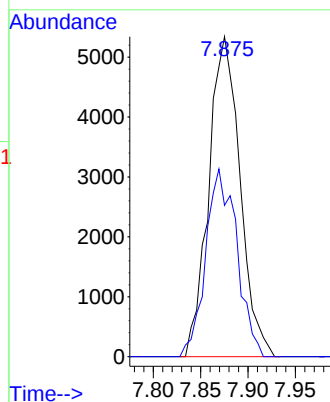
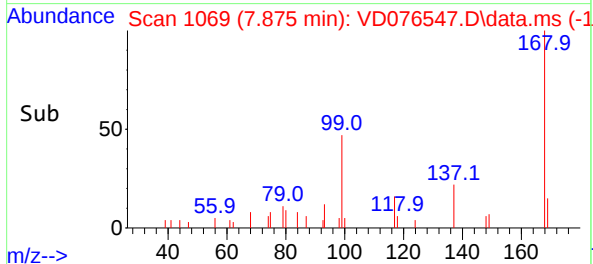


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Instrument :
MSVOA_D
ClientSampleId :
TP1

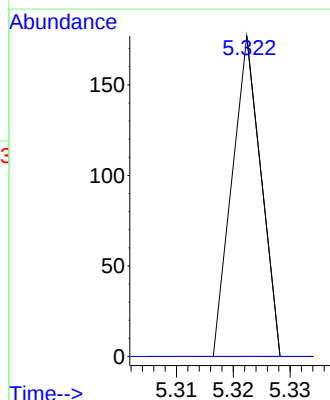
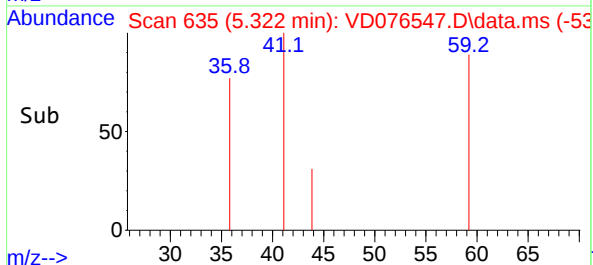
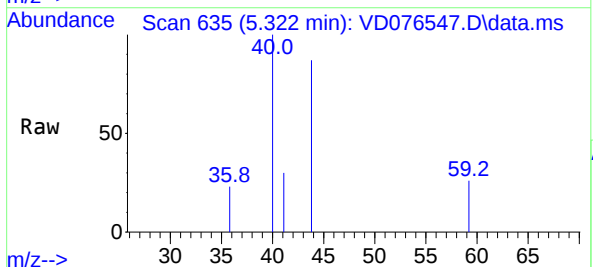


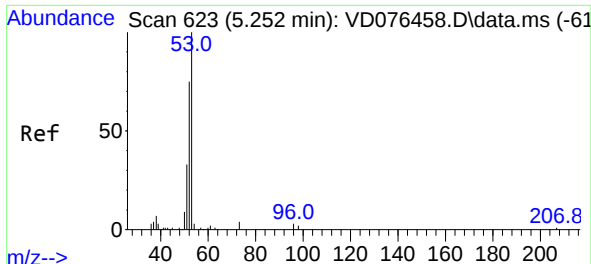
Tgt Ion:168 Resp: 12283
Ion Ratio Lower Upper
168 100
99 47.3 36.7 55.1



#11
Tert butyl alcohol
Concen: 5.835 ug/l
RT: 5.322 min Scan# 635
Delta R.T. 0.265 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

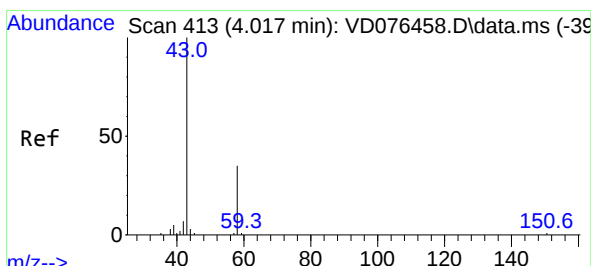
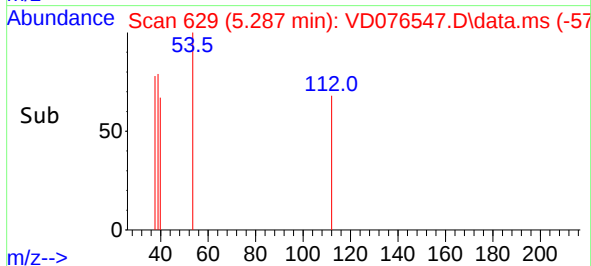
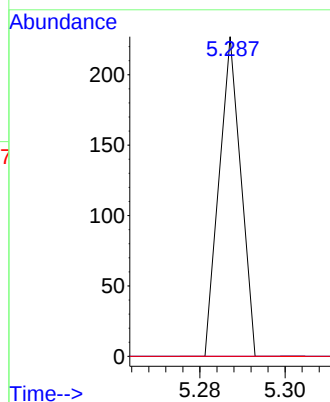
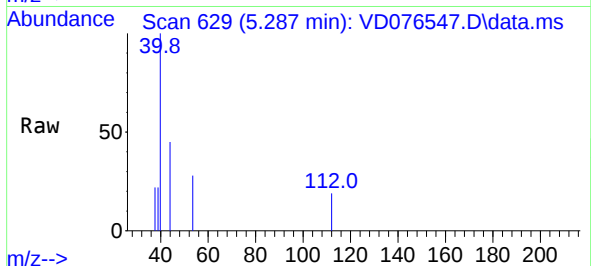




#15
Acrylonitrile
Concen: 2.320 ug/l
RT: 5.287 min Scan# 61
Delta R.T. 0.035 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

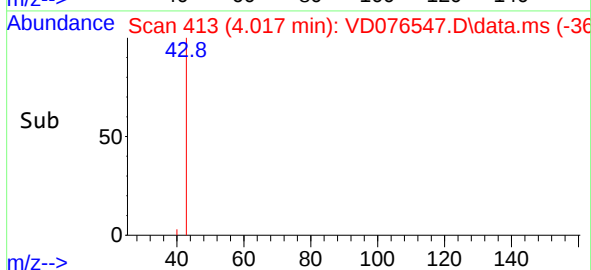
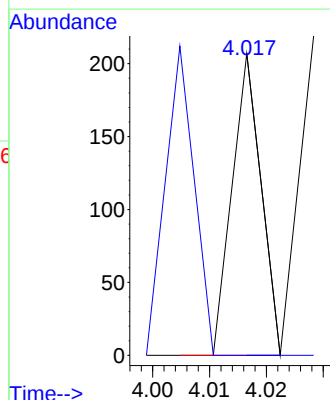
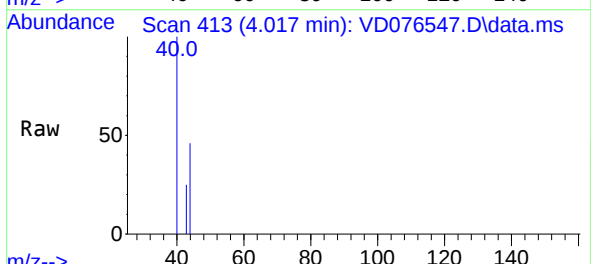
Instrument :
MSVOA_D
ClientSampleId :
TP1

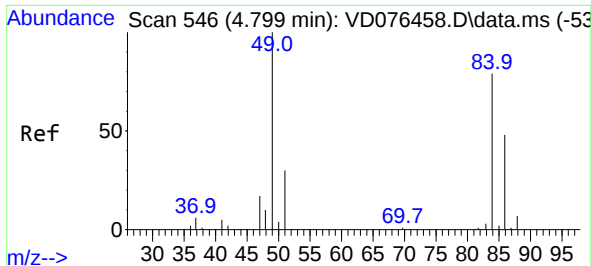
Tgt Ion: 53	Resp: 80
Ion Ratio	Lower Upper
53 100	
52 0.0	65.0 97.4#
51 0.0	28.3 42.5#



#16
Acetone
Concen: 2.493 ug/l
RT: 4.017 min Scan# 413
Delta R.T. 0.000 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion: 43	Resp:	73	
Ion	Ratio	Lower	Upper
43	100		
58	0.0	34.7	52.1#



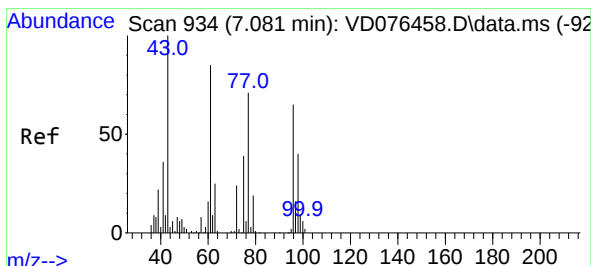
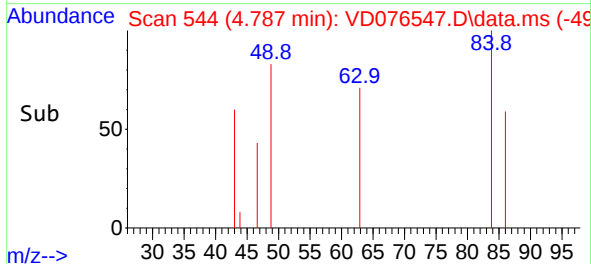
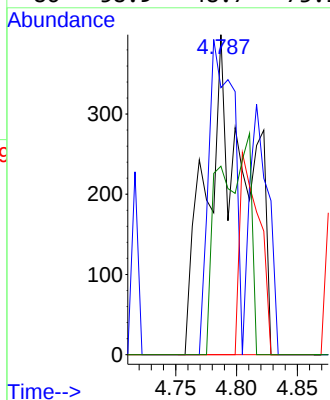
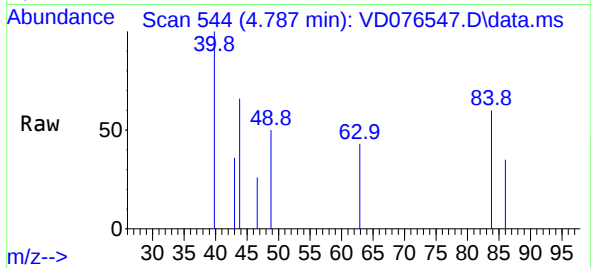


#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 54
Delta R.T. -0.012 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Instrument :
MSVOA_D
ClientSampleId :
TP1

Tgt Ion: 84 Resp: 912

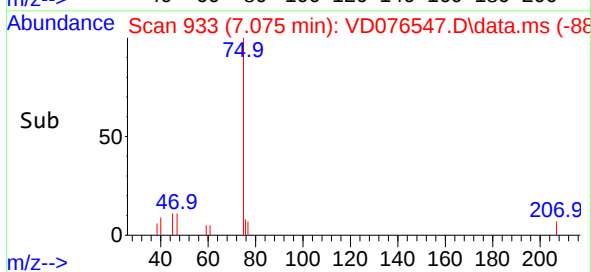
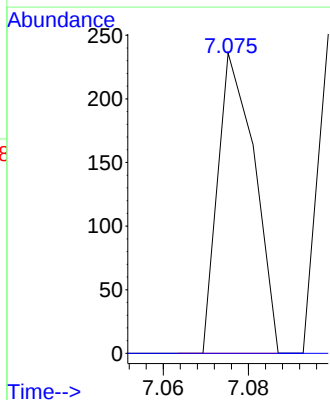
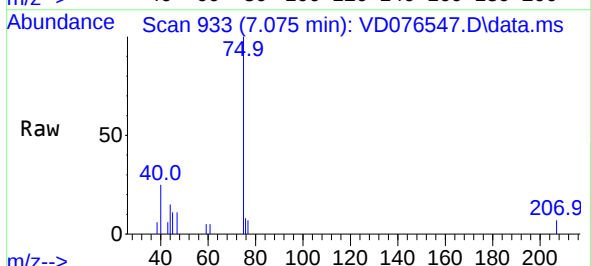
Ion	Ratio	Lower	Upper
84	100		
49	83.5	71.4	107.2
51	0.0	24.5	36.7#
86	58.9	48.7	73.1

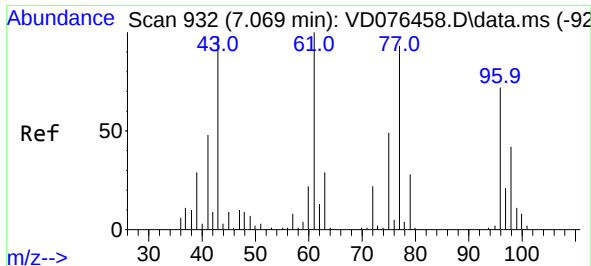


#25
2-Butanone
Concen: 3.113 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion: 43 Resp: 141

Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

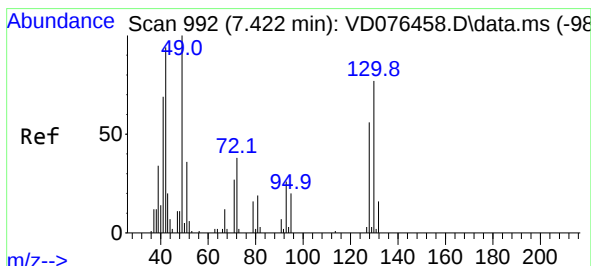
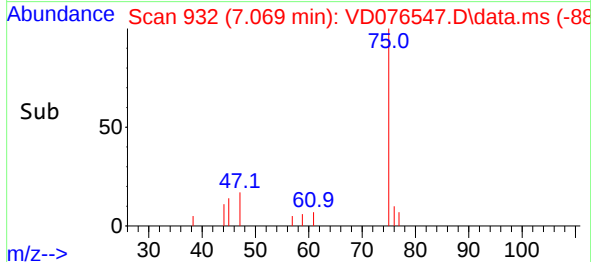
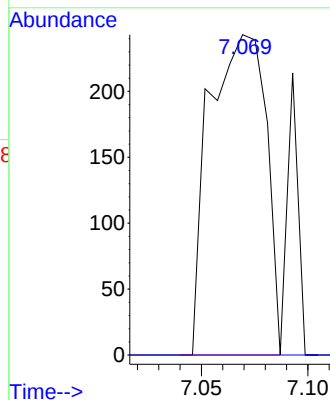
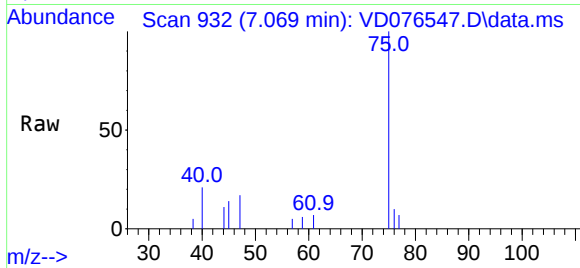




#26
2,2-Dichloropropane
Concen: 2.103 ug/l
RT: 7.069 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

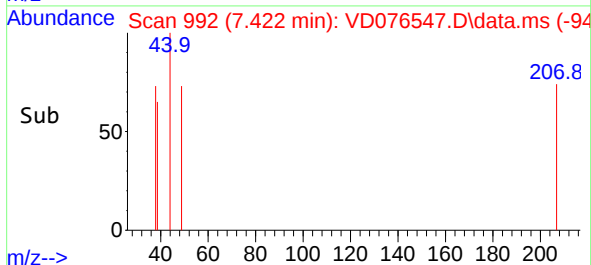
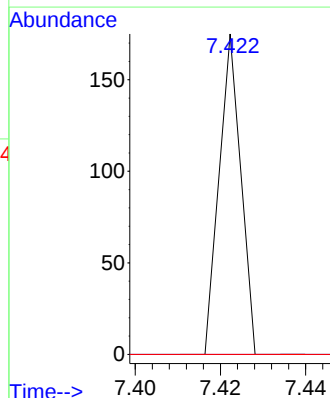
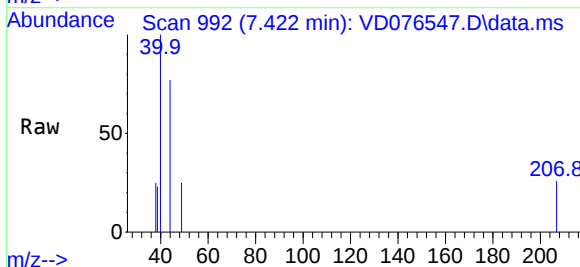
Instrument :
MSVOA_D
ClientSampleId :
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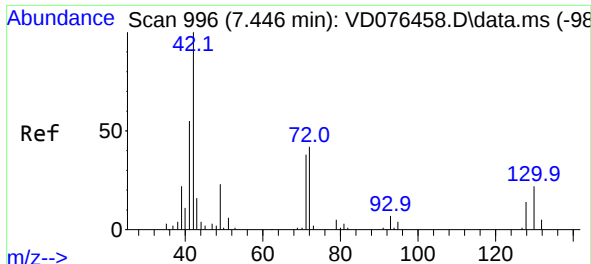
Tgt Ion: 77 Resp: 450
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion: 49 Resp: 62
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#

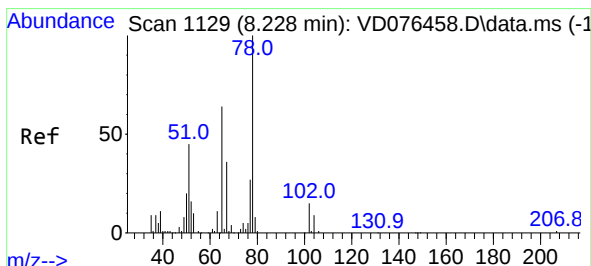
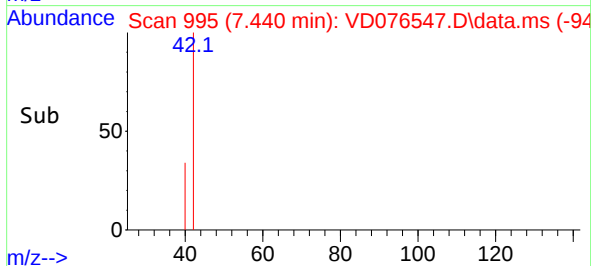
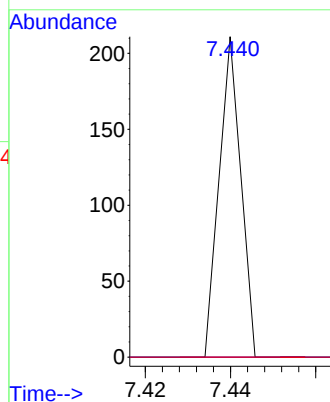
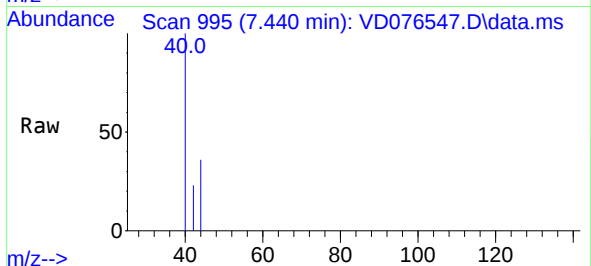




#29
Tetrahydrofuran
Concen: 2.542 ug/l
RT: 7.440 min Scan# 996
Delta R.T. -0.006 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

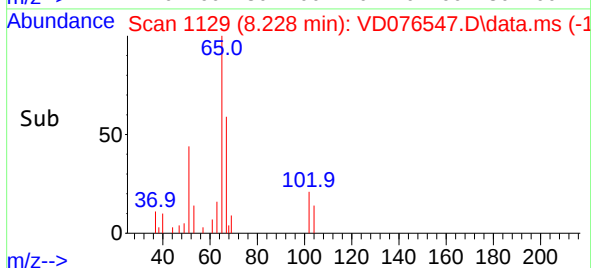
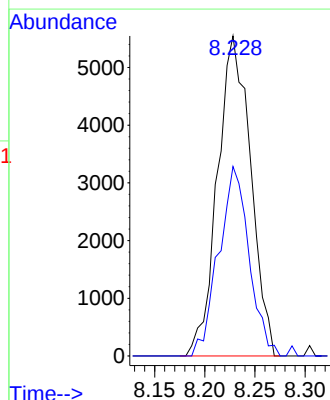
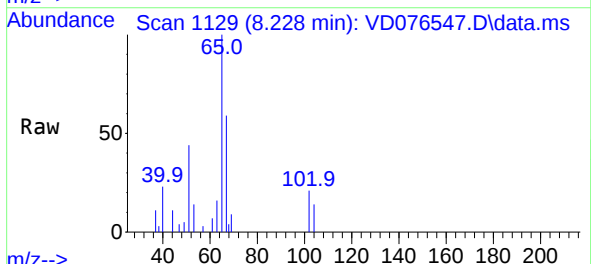
Instrument :
MSVOA_D
ClientSampleId :
TP1

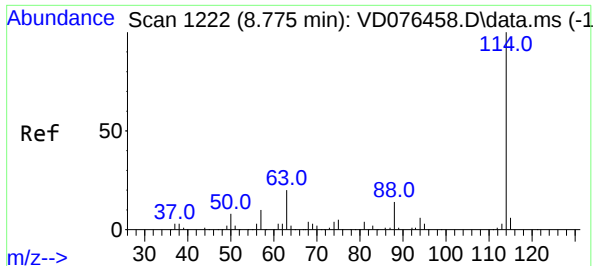
Tgt Ion: 42 Resp: 74
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#



#33
1,2-Dichloroethane-d4
Concen: 103.417 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion: 65 Resp: 12727
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0

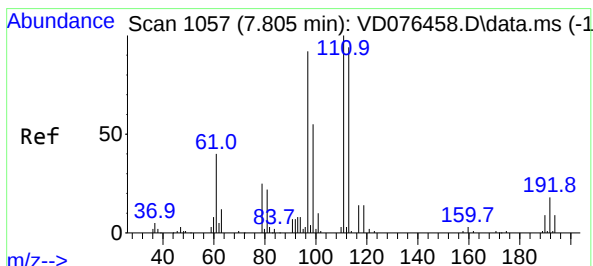
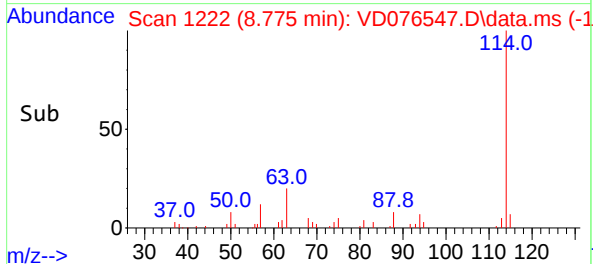
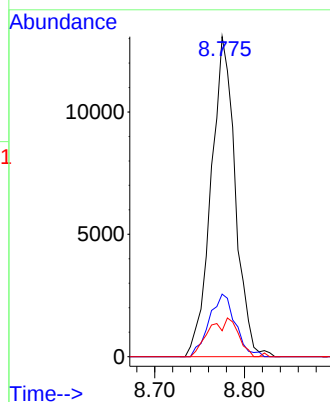
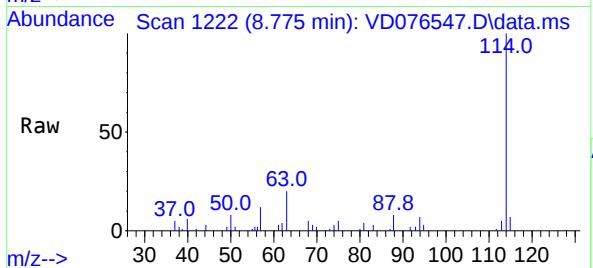




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 114
Delta R.T. 0.000 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

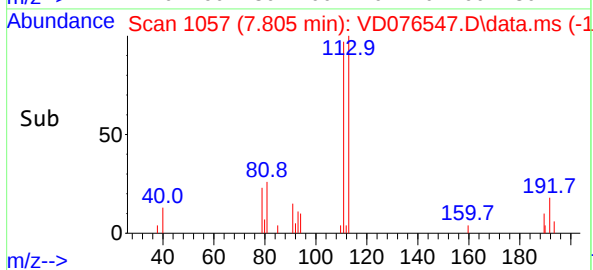
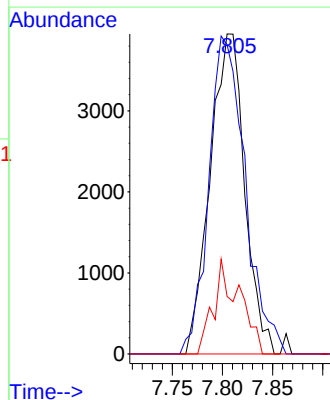
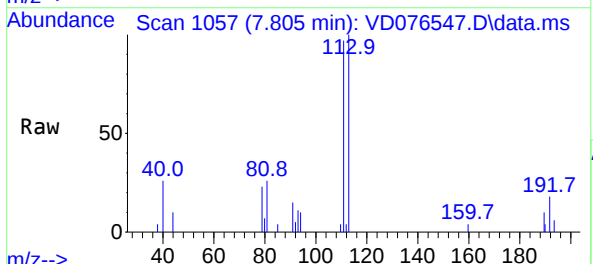
Instrument :
MSVOA_D
ClientSampleId :
TP1

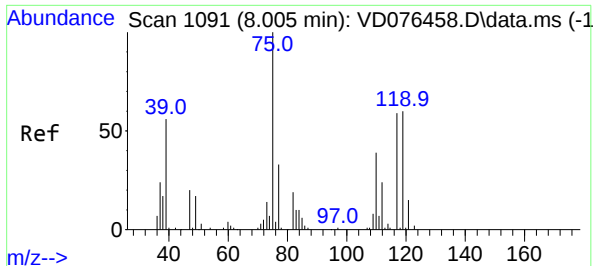
Tgt Ion:	114	Resp:	24432
Ion Ratio	Lower	Upper	
114	100		
63	19.5	0.0	33.4
88	8.1	0.0	26.2



#35
Dibromofluoromethane
Concen: 65.170 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion:	113	Resp:	9459
Ion Ratio	Lower	Upper	
113	100		
111	104.5	84.7	127.1
192	22.4	16.8	25.2

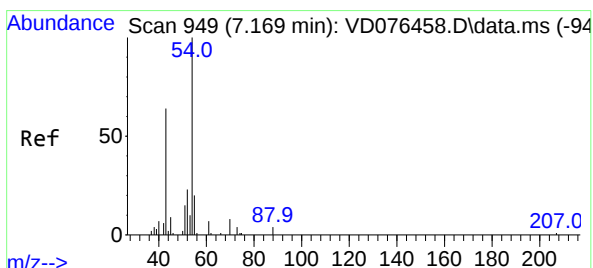
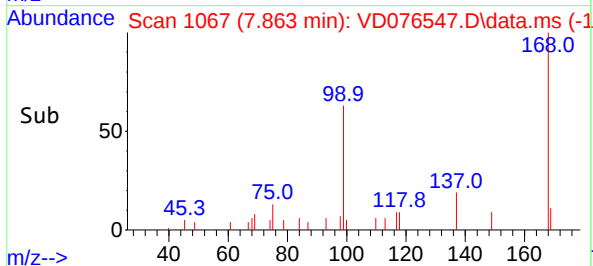
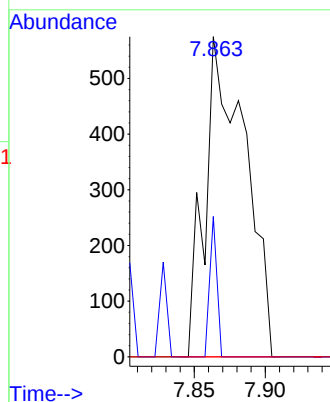
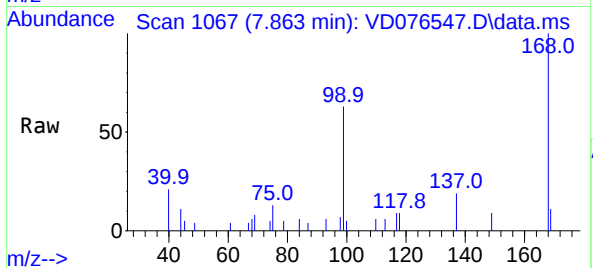




#36
1,1-Dichloropropene
Concen: 5.569 ug/l
RT: 7.863 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

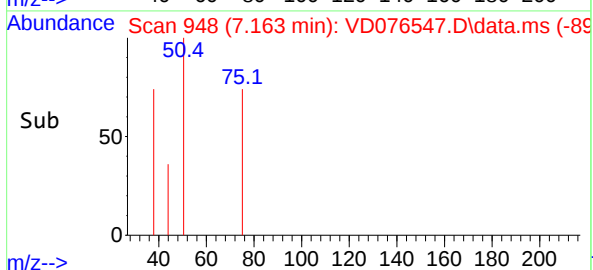
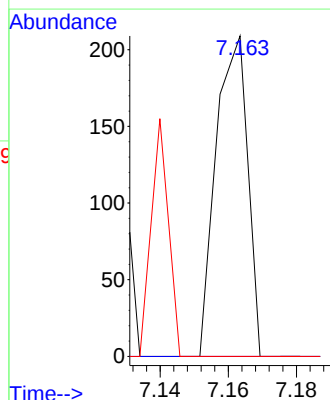
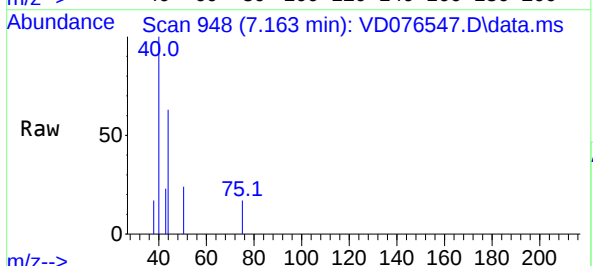
Instrument :
MSVOA_D
ClientSampleId :
TP1

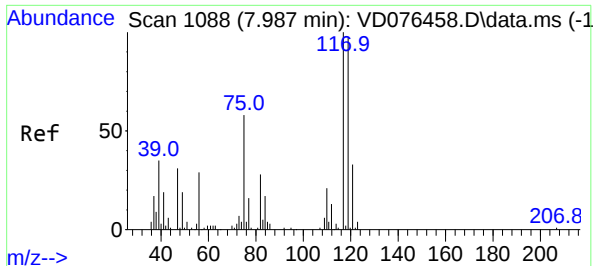
Tgt Ion: 75 Resp: 1132
Ion Ratio Lower Upper
75 100
110 7.9 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.138 ug/l
RT: 7.163 min Scan# 948
Delta R.T. -0.006 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#





#38

Carbon Tetrachloride

Concen: 9.066 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.112 min

Lab File: VD076547.D

Acq: 22 Jun 2023 19:12

Instrument :

MSVOA_D

ClientSampleId :

TP1

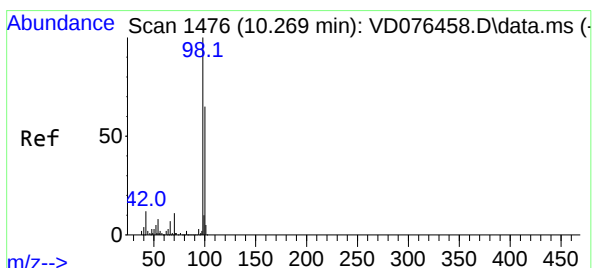
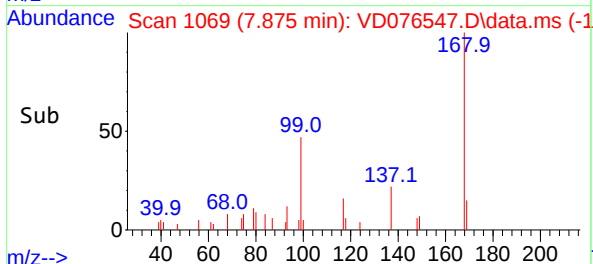
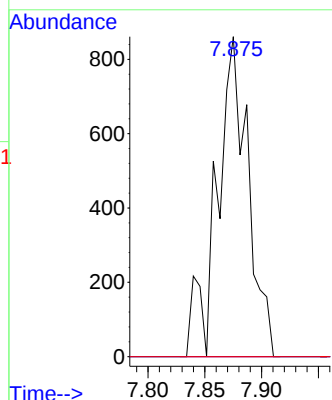
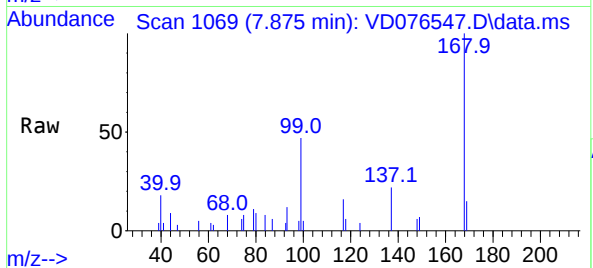
Tgt Ion:117 Resp: 1647

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 53.978 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076547.D

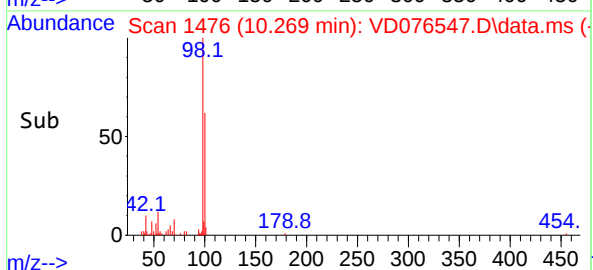
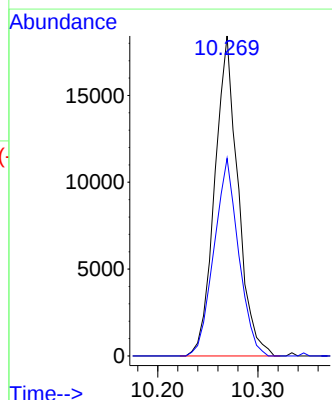
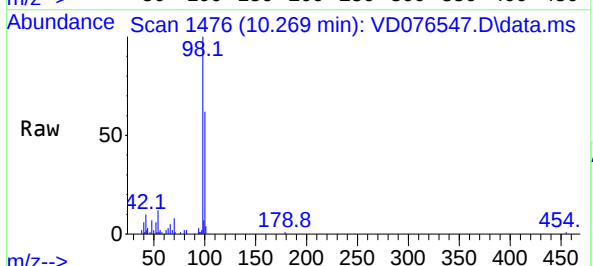
Acq: 22 Jun 2023 19:12

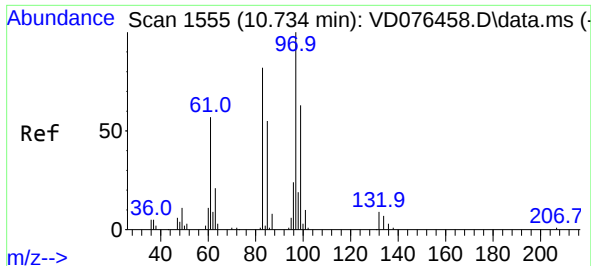
Tgt Ion: 98 Resp: 29712

Ion Ratio Lower Upper

98 100

100 65.3 50.3 75.5

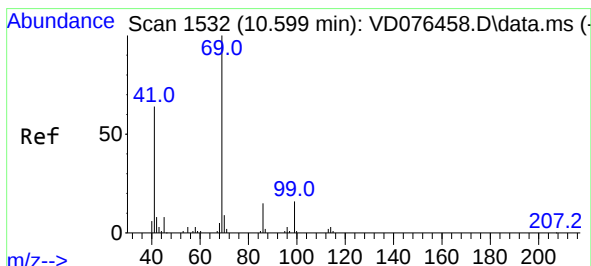
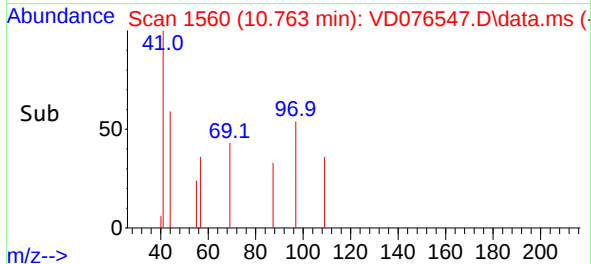
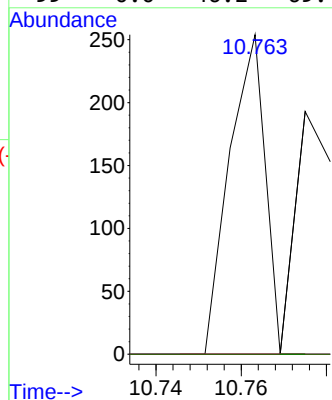
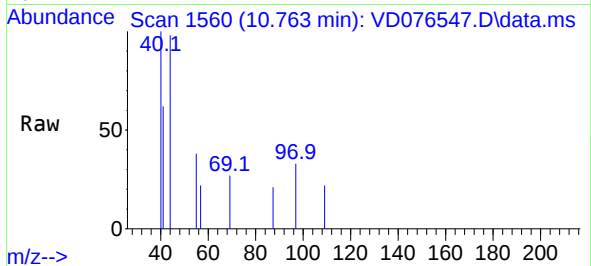




#55
1,1,2-Trichloroethane
Concen: 1.167 ug/l
RT: 10.763 min Scan# 1555
Delta R.T. 0.029 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

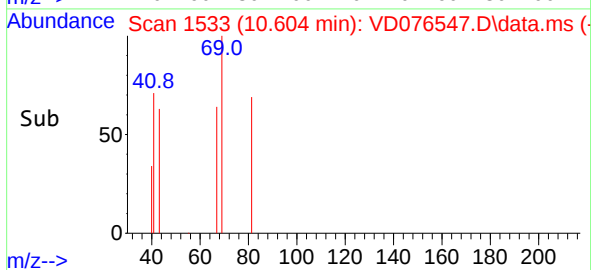
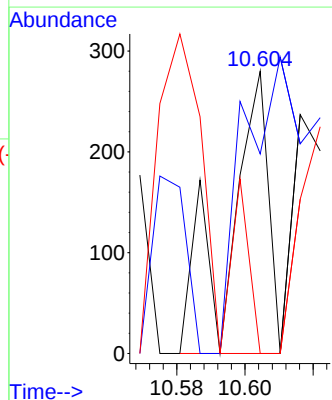
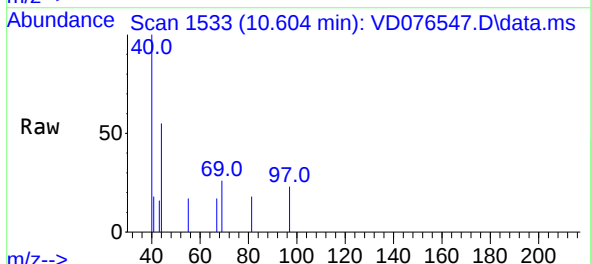
Instrument :
MSVOA_D
ClientSampleId :
TP1

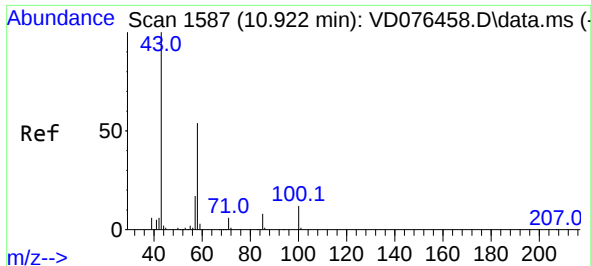
Tgt Ion:	97	Resp:	147
Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.8	98.6#
85	0.0	45.7	68.5#
99	0.0	46.2	69.4#



#56
Ethyl methacrylate
Concen: 1.350 ug/l
RT: 10.604 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion:	69	Resp:	222
Ion	Ratio	Lower	Upper
69	100		
41	0.0	39.1	58.7#
39	0.0	20.0	30.0#





#59

2-Hexanone

Concen: 2.926 ug/l

RT: 10.928 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076547.D

Acq: 22 Jun 2023 19:12

Instrument :

MSVOA_D

ClientSampleId :

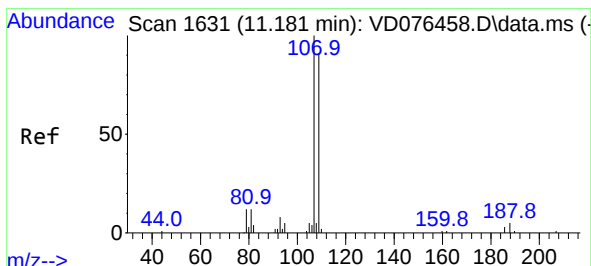
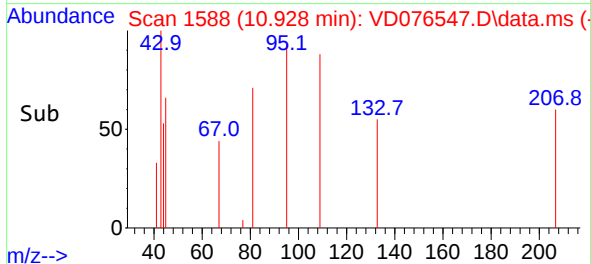
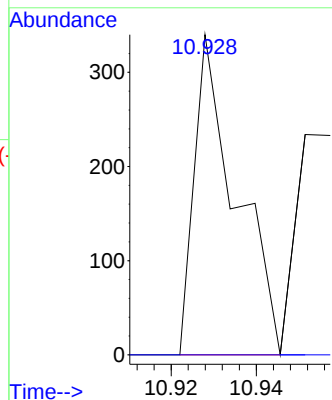
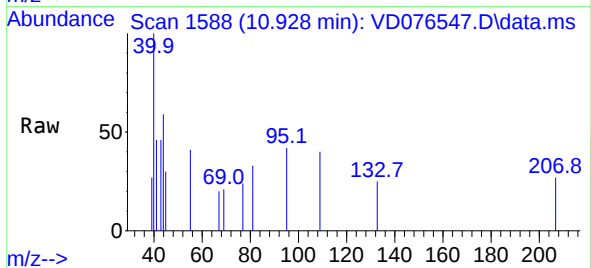
TP1

Tgt Ion: 43 Resp: 232

Ion Ratio Lower Upper

43 100

58 0.0 34.1 102.2#



#61

1,2-Dibromoethane

Concen: 2.081 ug/l

RT: 11.316 min Scan# 1654

Delta R.T. 0.135 min

Lab File: VD076547.D

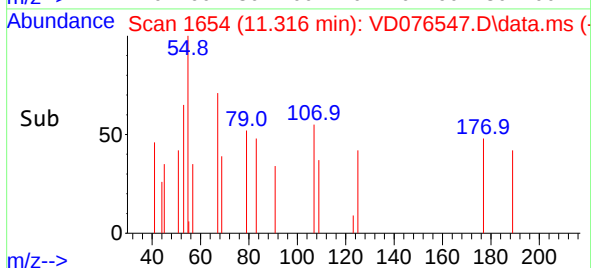
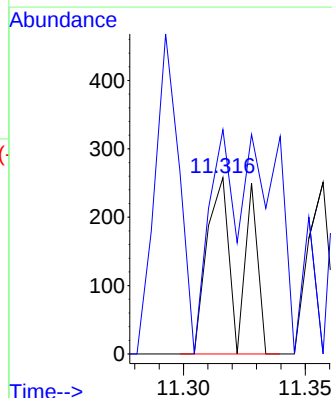
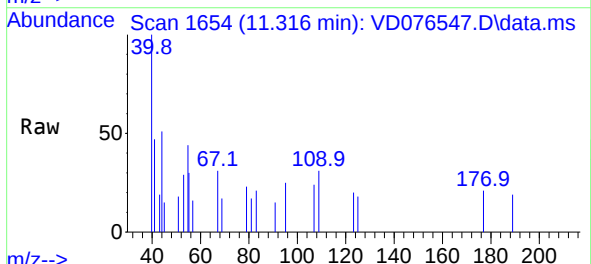
Acq: 22 Jun 2023 19:12

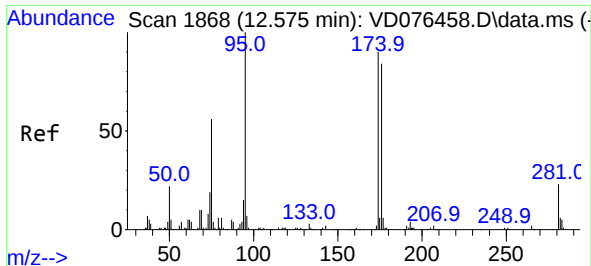
Tgt Ion:107 Resp: 246

Ion Ratio Lower Upper

107 100

109 101.2 75.6 113.4



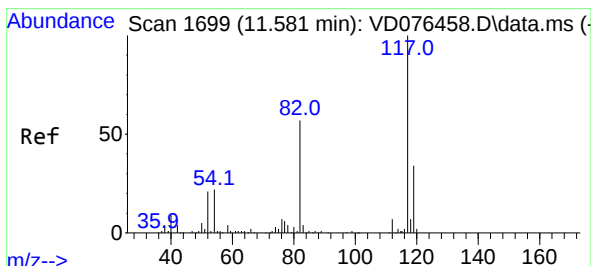
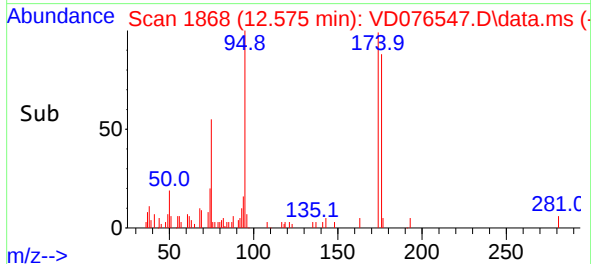
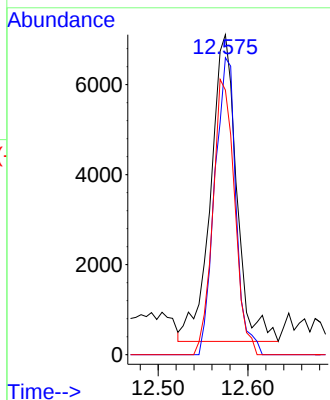
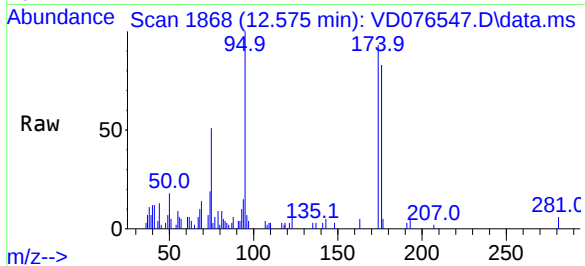


#62
4-Bromofluorobenzene
Concen: 76.515 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Instrument :
MSVOA_D
ClientSampleId :
TP1

Tgt Ion: 95 Resp: 13669

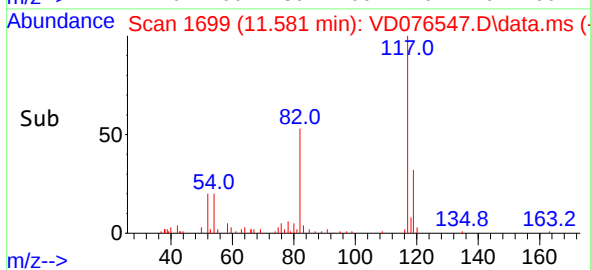
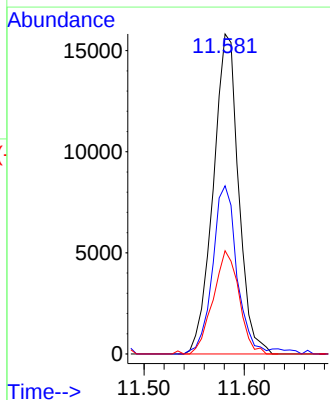
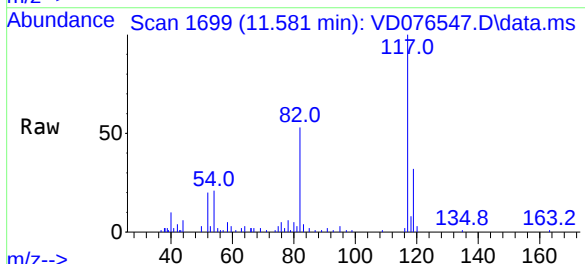
Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	201.8
176	75.3	0.0	191.8

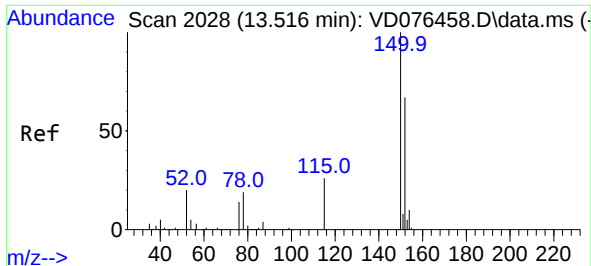


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion: 117 Resp: 27726

Ion	Ratio	Lower	Upper
117	100		
82	52.5	38.3	57.5
119	32.3	25.0	37.4

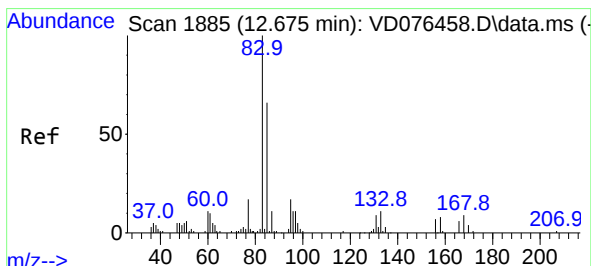
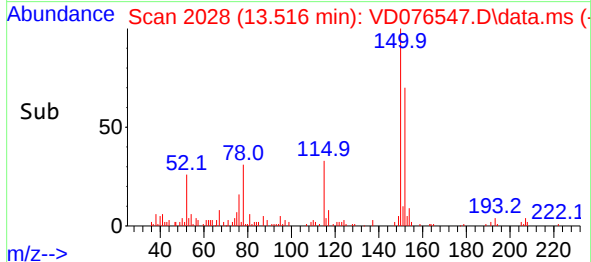
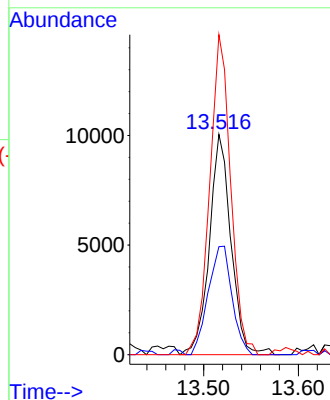
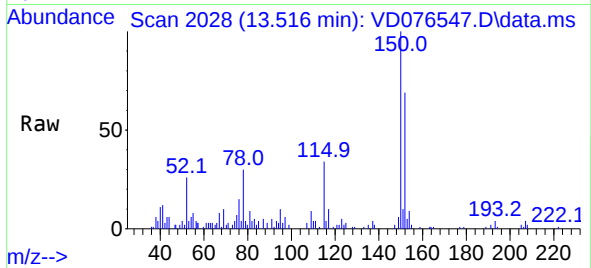




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. 0.000 min
 Lab File: VD076547.D
 Acq: 22 Jun 2023 19:12

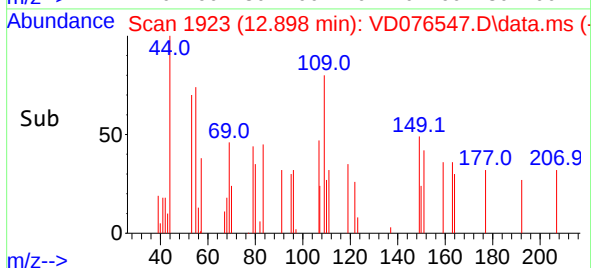
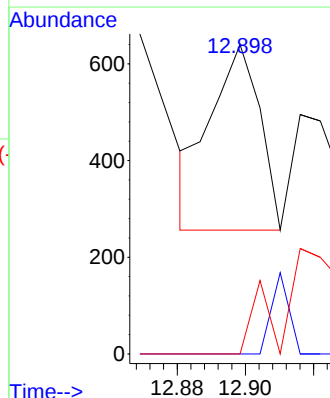
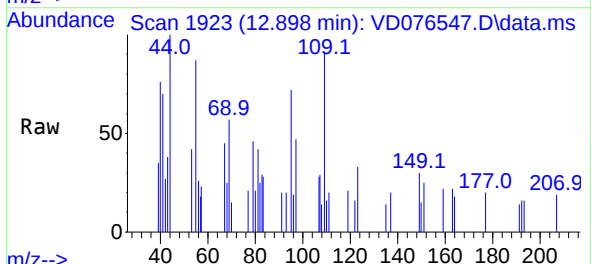
Instrument :
 MSVOA_D
 ClientSampleId :
 TP1

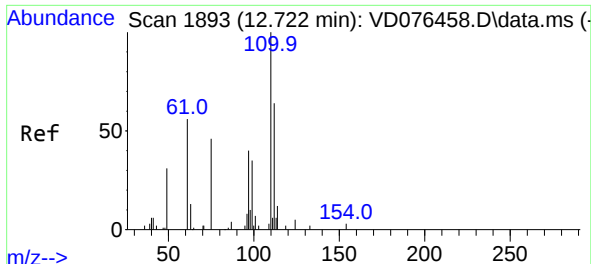
Tgt Ion:152 Resp: 15892
 Ion Ratio Lower Upper
 152 100
 115 54.3 27.1 81.3
 150 141.2 0.0 353.6



#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.757 ug/l
 RT: 12.898 min Scan# 1923
 Delta R.T. 0.224 min
 Lab File: VD076547.D
 Acq: 22 Jun 2023 19:12

Tgt Ion: 83 Resp: 388
 Ion Ratio Lower Upper
 83 100
 131 15.2 5.1 15.3
 85 66.2 32.6 97.8

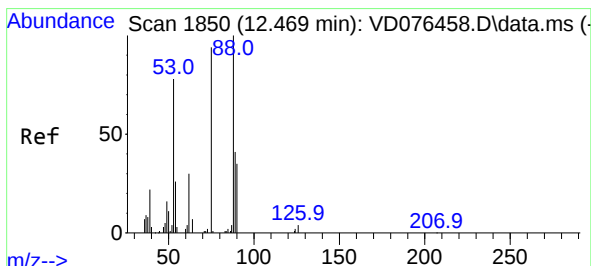
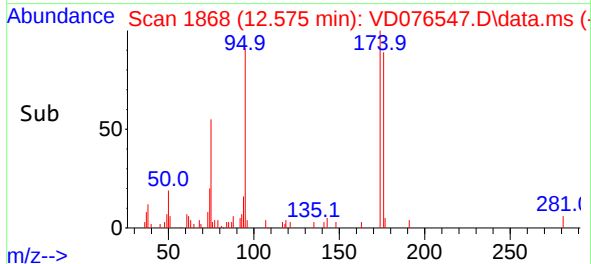
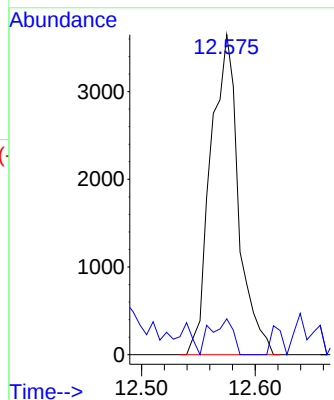
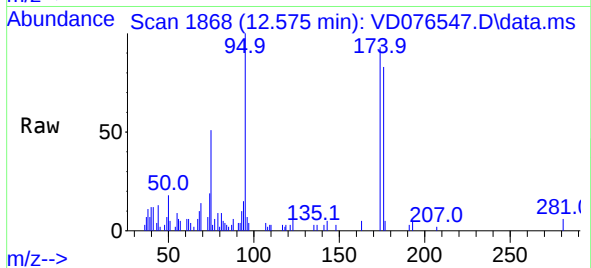




#76
1,2,3-Trichloropropane
Concen: 39.556 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

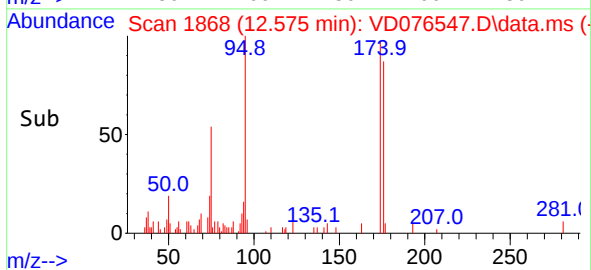
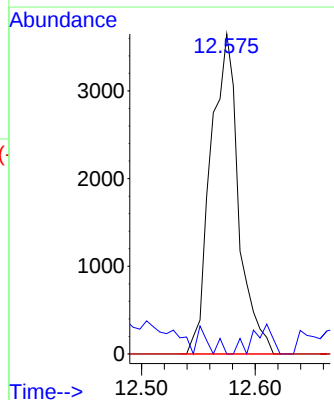
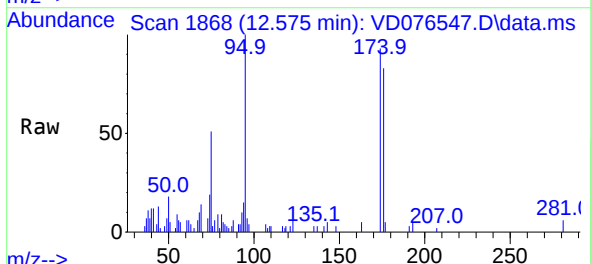
Instrument :
MSVOA_D
ClientSampleId :
TP1

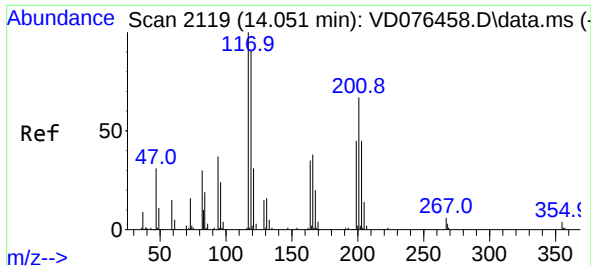
Tgt Ion: 75 Resp: 6239
Ion Ratio Lower Upper
75 100
77 8.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.677 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion: 75 Resp: 6239
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

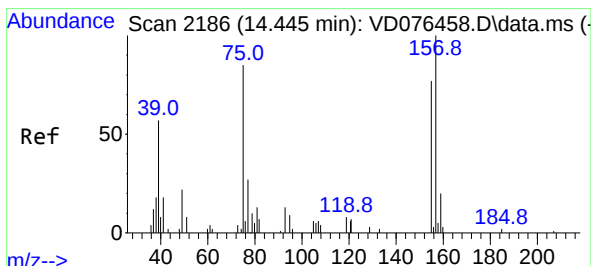
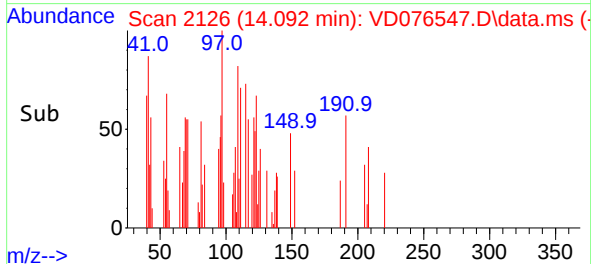
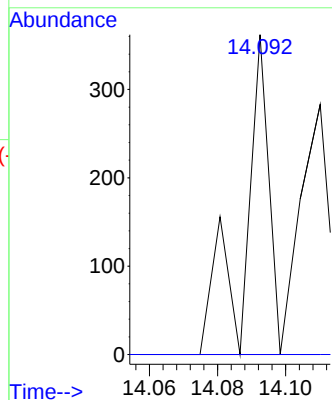
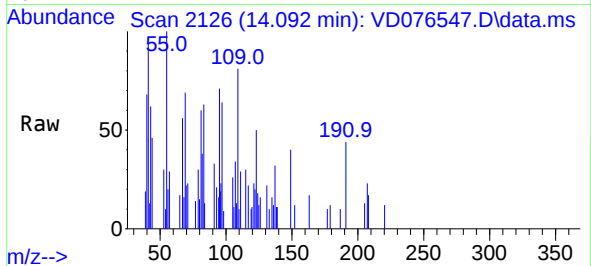




#90
Hexachloroethane
Concen: 1.030 ug/l
RT: 14.092 min Scan# 2119
Delta R.T. 0.041 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

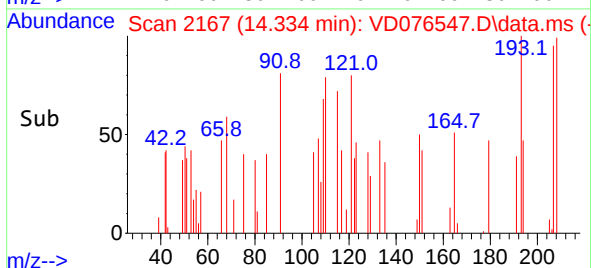
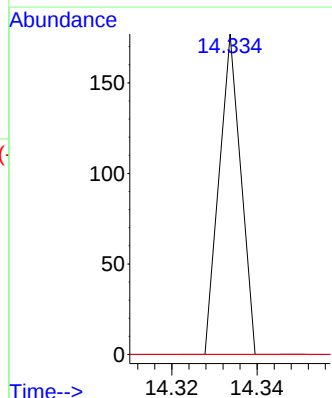
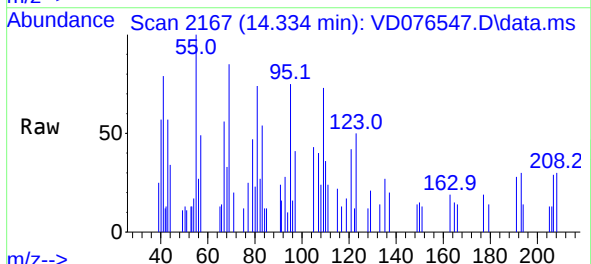
Instrument :
MSVOA_D
ClientSampleId :
TP1

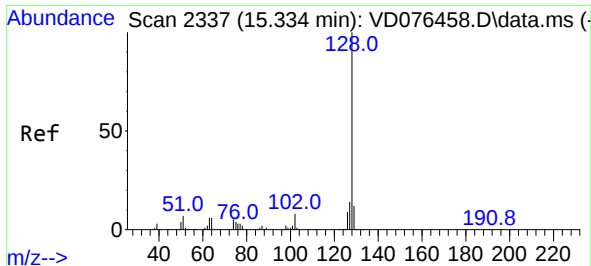
Tgt Ion:117 Resp: 183
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.866 ug/l
RT: 14.334 min Scan# 2167
Delta R.T. -0.112 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#





#95
Naphthalene
Concen: 1.318 ug/l
RT: 15.339 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD076547.D
Acq: 22 Jun 2023 19:12

Instrument :
MSVOA_D
ClientSampleId :
TP1

Tgt Ion:128 Resp: 796
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 22.8 8.7 13.1#

