

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100621\
 Data File : VD070591.D
 Acq On : 06 Oct 2021 14:07
 Operator : VA/SY
 Sample : M4067-03
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-100421

Quant Time: Oct 07 07:00:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

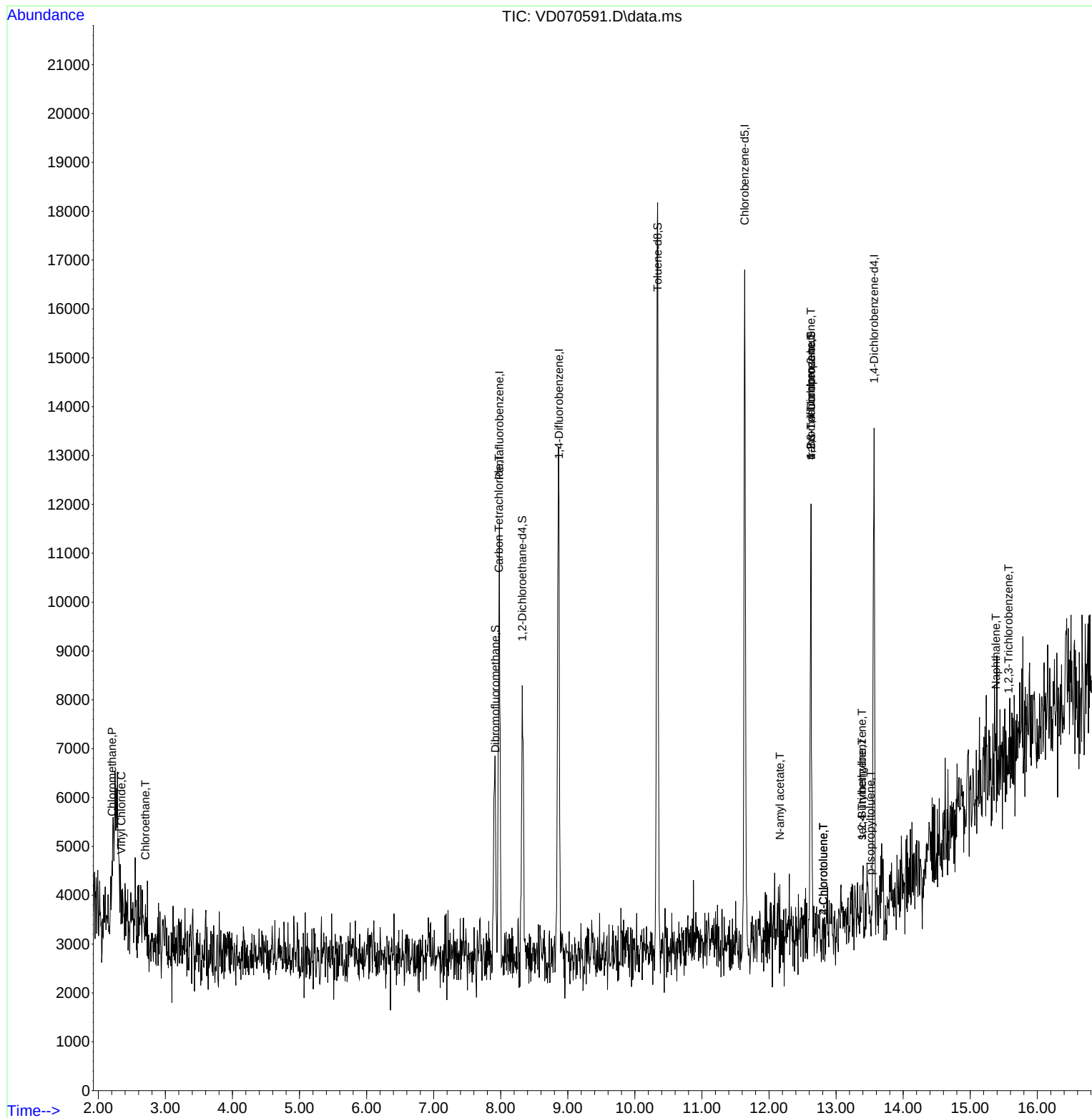
Internal Standards						
1) Pentafluorobenzene	7.979	168	5822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	9500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	8093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	4417	64.466	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.940%	
35) Dibromofluoromethane	7.920	113	3250	51.455	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.920%	
50) Toluene-d8	10.338	98	11301	46.803	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.600%	
62) 4-Bromofluorobenzene	12.626	95	2885	35.749	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 71.500%	
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	161	1.826	ug/l #	42
4) Vinyl Chloride	2.344	62	136	1.392	ug/l #	44
6) Chloroethane	2.703	64	72	1.154	ug/l #	41
38) Carbon Tetrachloride	7.973	117	605	5.730	ug/l #	12
74) N-amyl acetate	12.161	43	63	1.461	ug/l #	37
76) 1,2,3-Trichloropropane	12.626	75	1504	52.937	ug/l #	100
79) 2-Chlorotoluene	12.808	91	274	1.613	ug/l #	42
81) trans-1,4-Dichloro-2-b...	12.626	75	1504	117.528	ug/l #	17
82) 4-Chlorotoluene	12.808	91	274	1.543	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.385	105	313	1.612	ug/l #	32
85) sec-Butylbenzene	13.385	105	313	1.252	ug/l #	58
86) p-Isopropyltoluene	13.514	119	221	1.082	ug/l #	51
95) Naphthalene	15.385	128	75	3.206	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.573	180	129	2.969	ug/l #	13

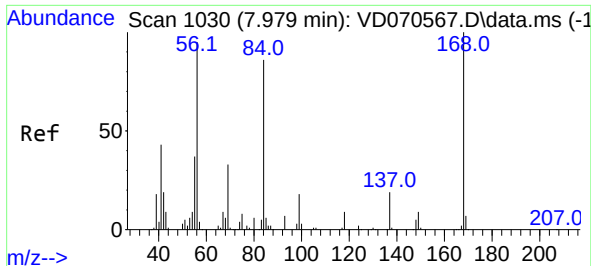
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

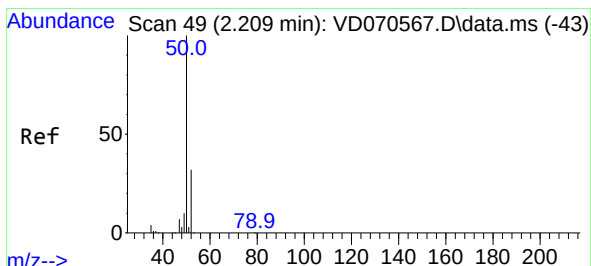
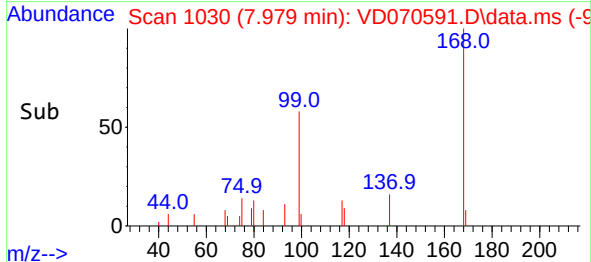
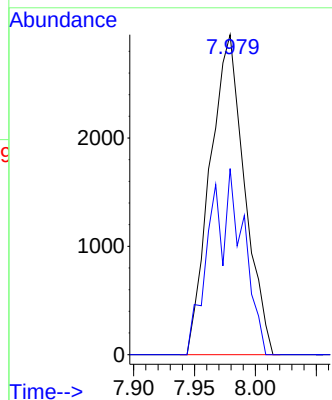
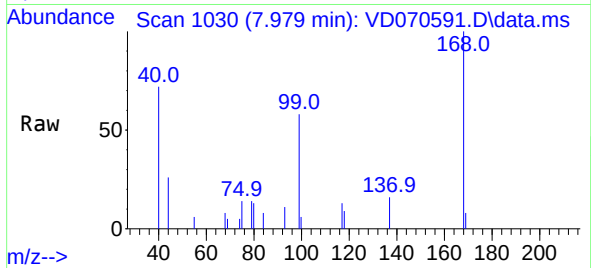




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

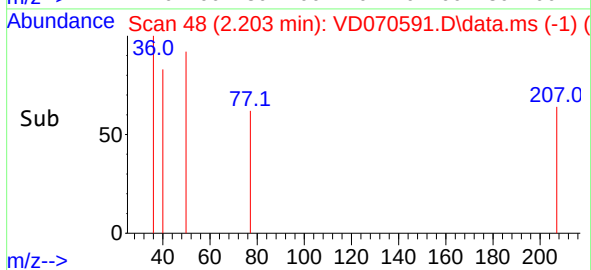
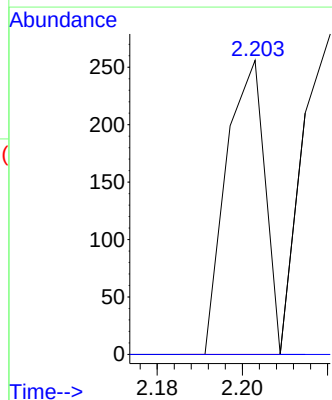
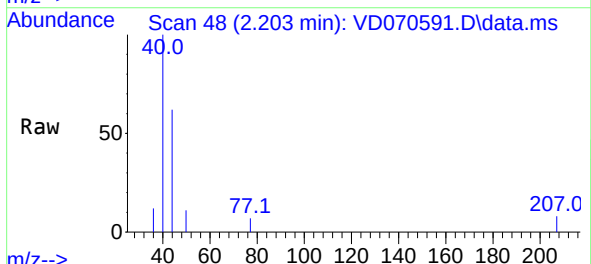
Instrument :
MSVOA_D
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SU-03-100421

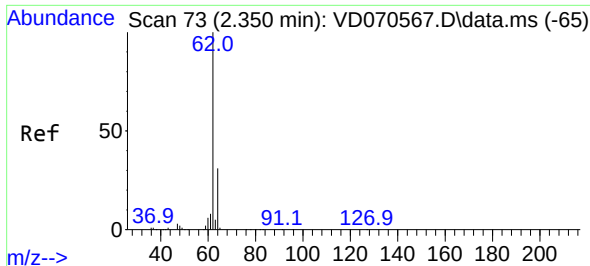
Tgt Ion:168 Resp: 5822
Ion Ratio Lower Upper
168 100
99 58.2 51.4 77.0



#3
Chloromethane
Concen: 1.826 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

Tgt Ion: 50 Resp: 161
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

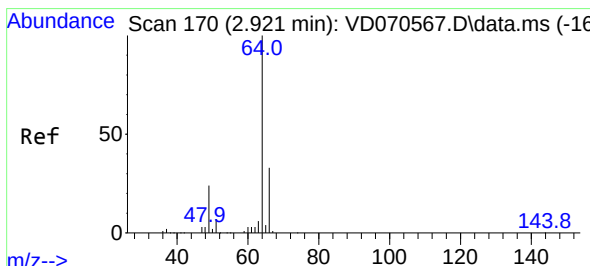
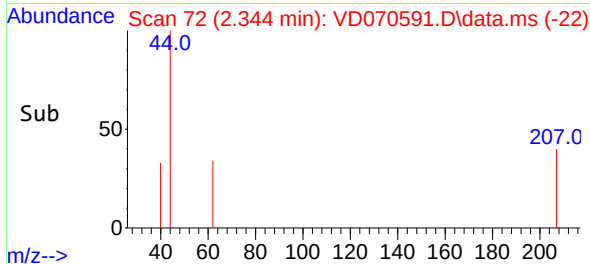
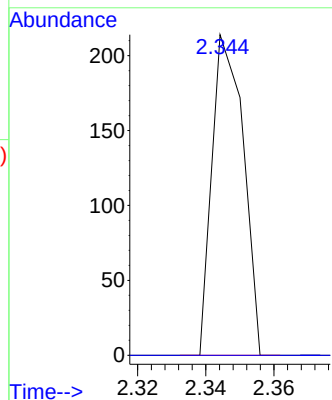
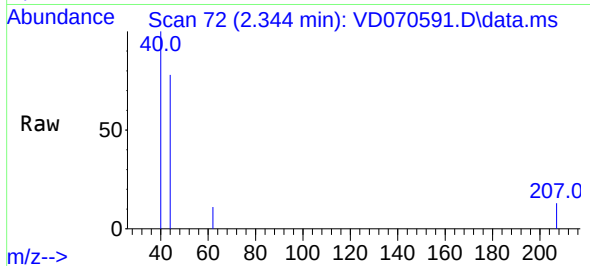




#4
 Vinyl Chloride
 Concen: 1.392 ug/l
 RT: 2.344 min Scan# 72
 Delta R.T. -0.006 min
 Lab File: VD070591.D
 Acq: 06 Oct 2021 14:07

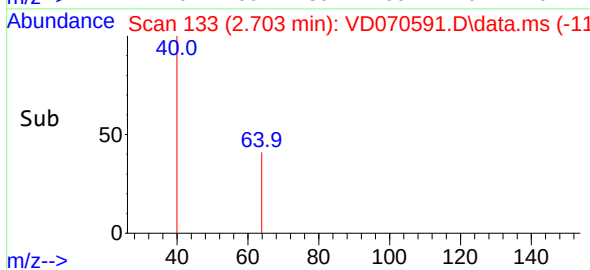
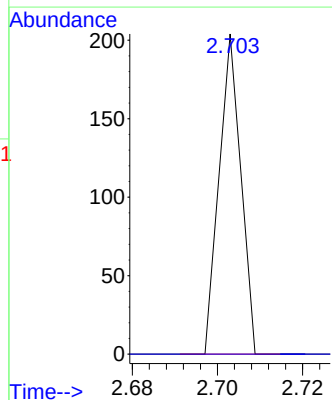
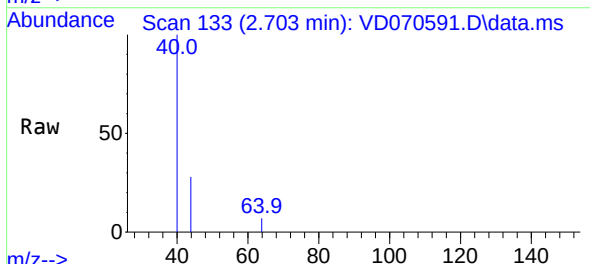
Instrument :
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 ClientSampleId :
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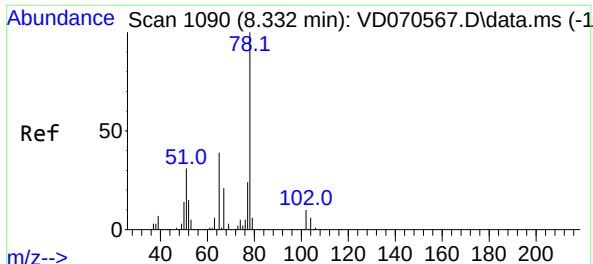
Tgt Ion: 62 Resp: 136
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.9 37.3#



#6
 Chloroethane
 Concen: 1.154 ug/l
 RT: 2.703 min Scan# 133
 Delta R.T. -0.218 min
 Lab File: VD070591.D
 Acq: 06 Oct 2021 14:07

Tgt Ion: 64 Resp: 72
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.6 40.0#

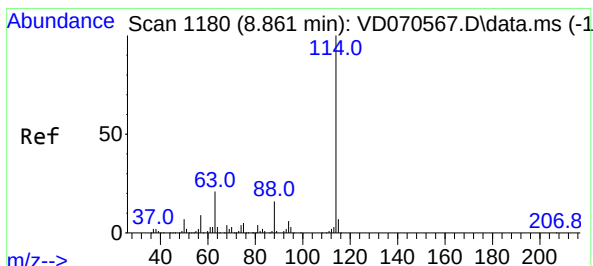
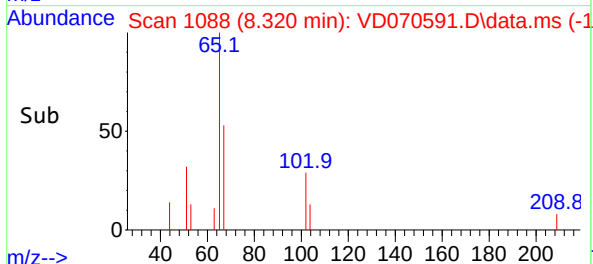
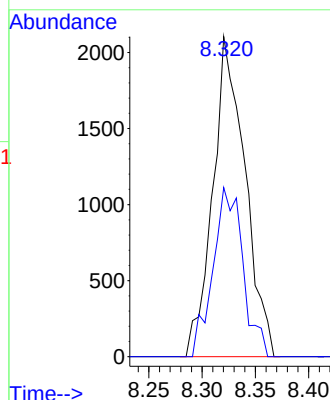
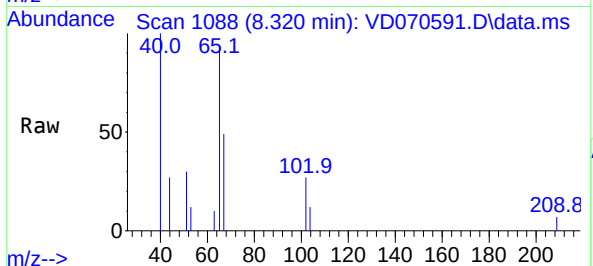




#33
1,2-Dichloroethane-d4
Concen: 64.466 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.012 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

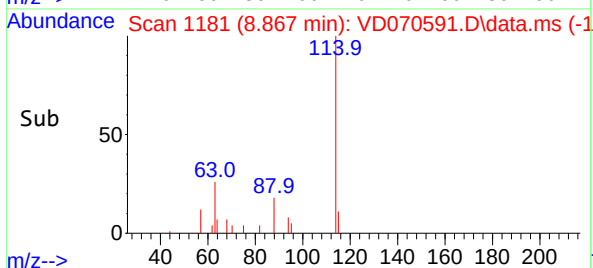
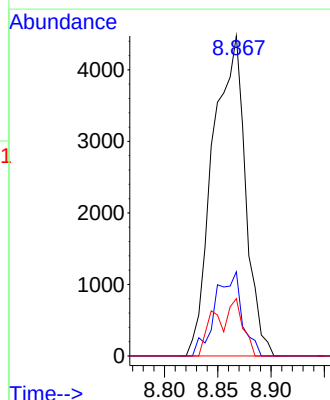
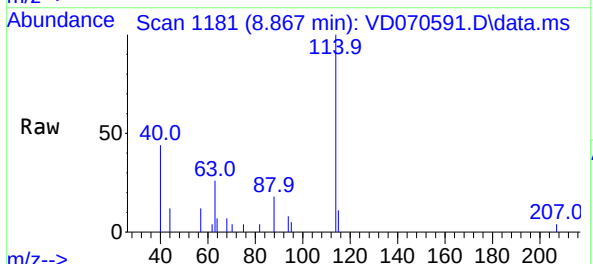
Instrument :
MSVOA_D
ClientSampleId :
SU-03-100421

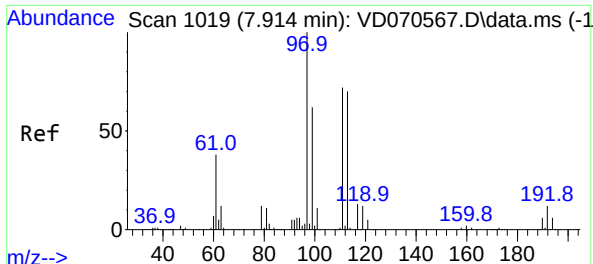
Tgt Ion: 65 Resp: 4417
Ion Ratio Lower Upper
65 100
67 49.0 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

Tgt Ion: 114 Resp: 9500
Ion Ratio Lower Upper
114 100
63 26.3 0.0 41.8
88 17.9 0.0 32.6

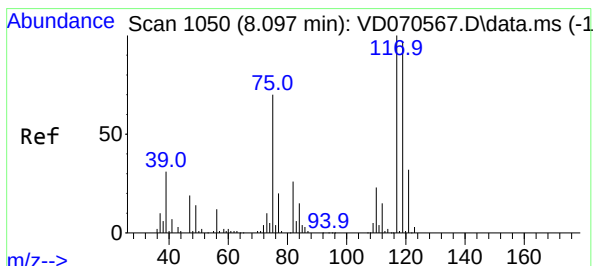
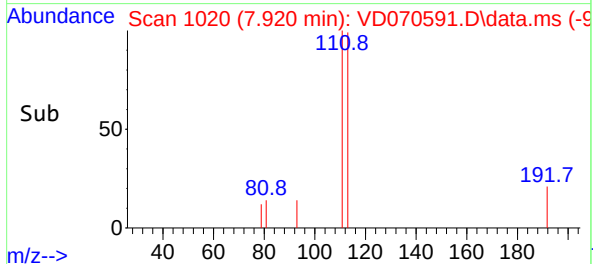
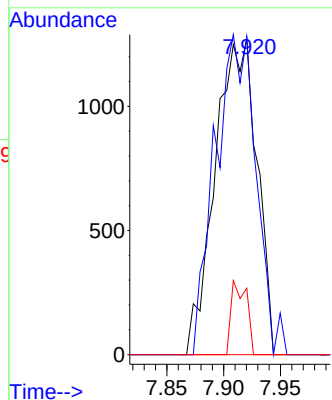
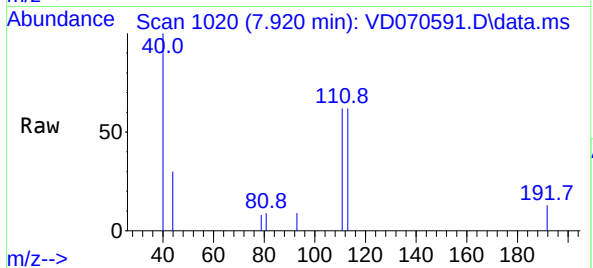




#35
Dibromofluoromethane
Concen: 51.455 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

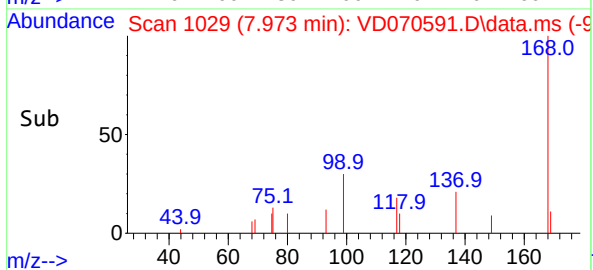
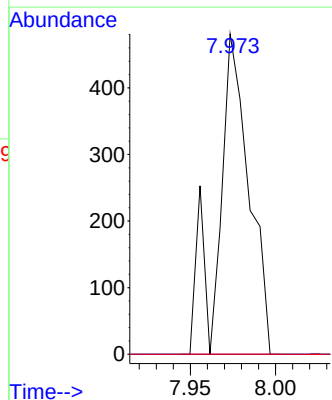
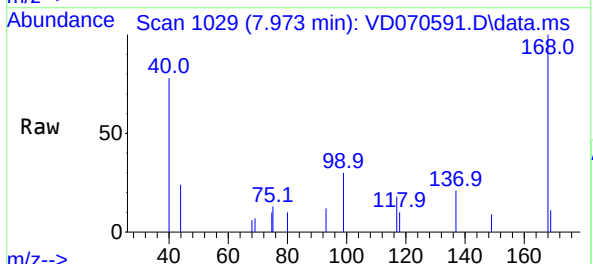
Instrument :
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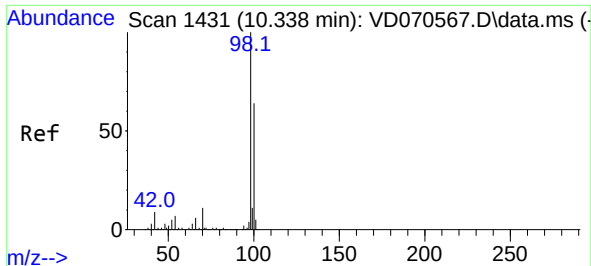
Tgt Ion:113 Resp: 3250
Ion Ratio Lower Upper
113 100
111 99.7 83.1 124.7
192 8.6 12.7 19.1#



#38
Carbon Tetrachloride
Concen: 5.730 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

Tgt Ion:117 Resp: 605
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#

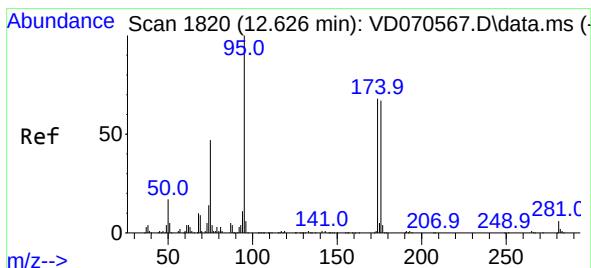
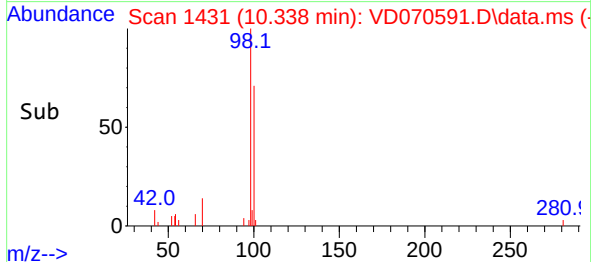
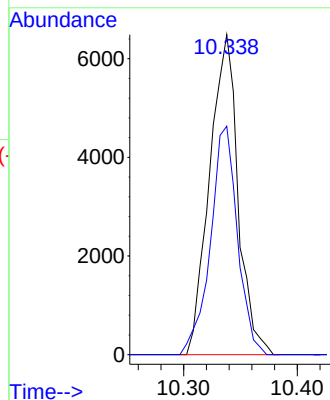
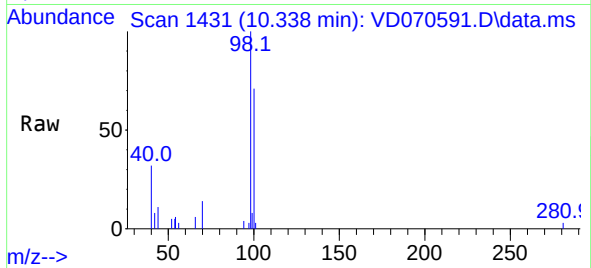




#50
Toluene-d8
Concen: 46.803 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

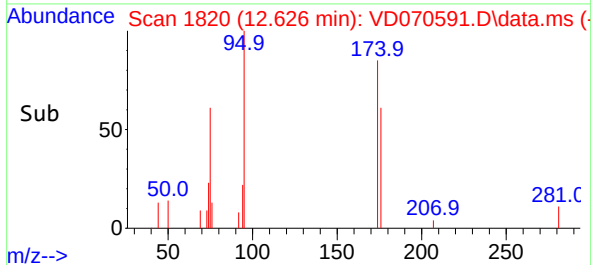
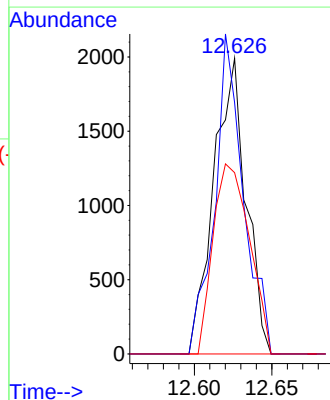
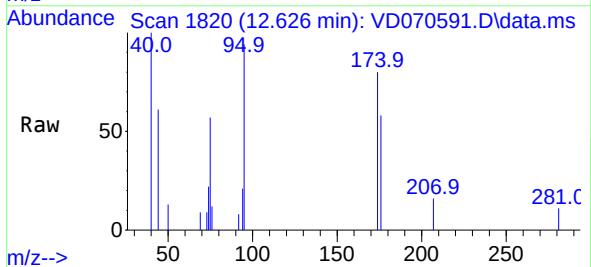
Instrument :
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ClientSampleId :
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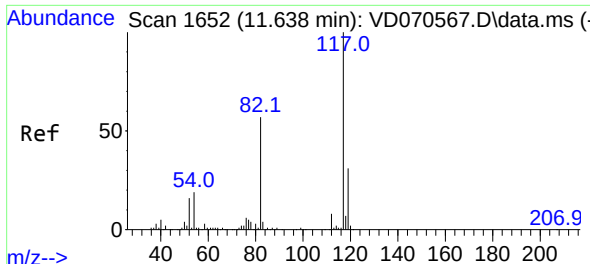
Tgt Ion: 98 Resp: 11301
Ion Ratio Lower Upper
98 100
100 67.7 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 35.749 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

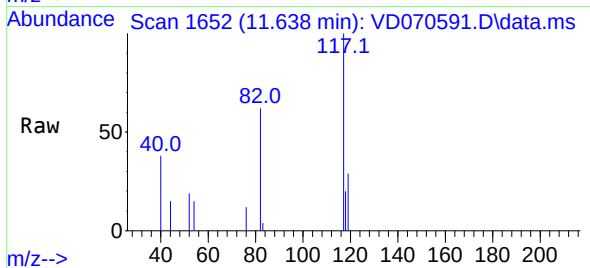
Tgt Ion: 95 Resp: 2885
Ion Ratio Lower Upper
95 100
174 95.9 0.0 138.0
176 72.5 0.0 135.6



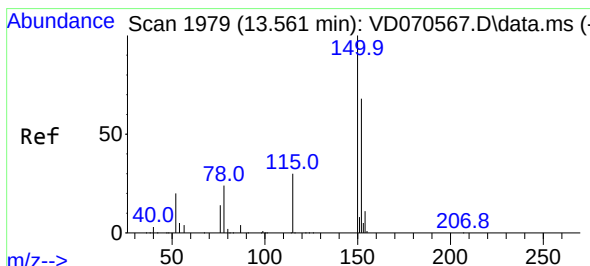
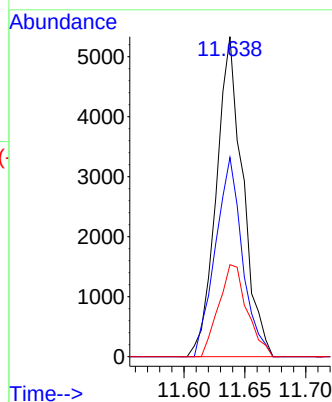
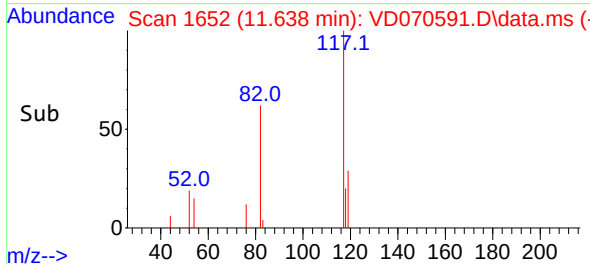


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

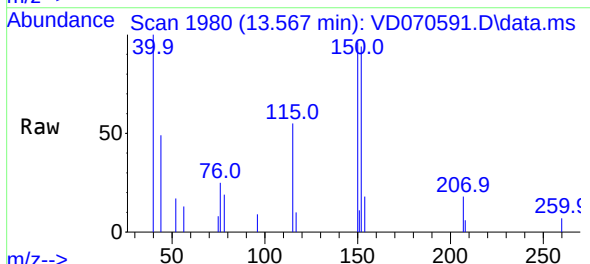
Instrument :
MSVOA_D
ClientSampleId :
SU-03-100421



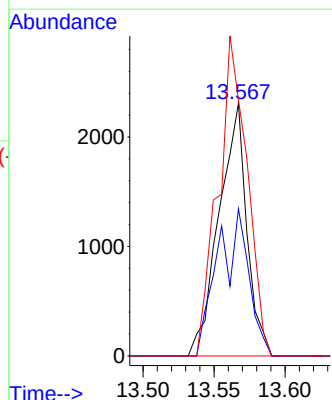
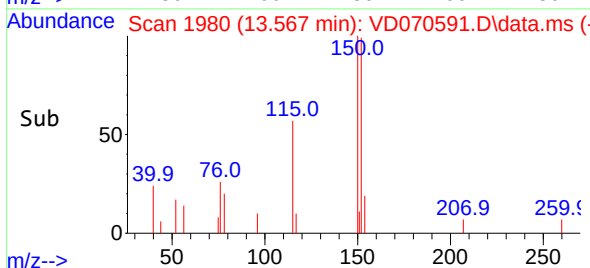
Tgt Ion:117 Resp: 8093
Ion Ratio Lower Upper
117 100
82 62.3 45.4 68.2
119 28.8 24.7 37.1

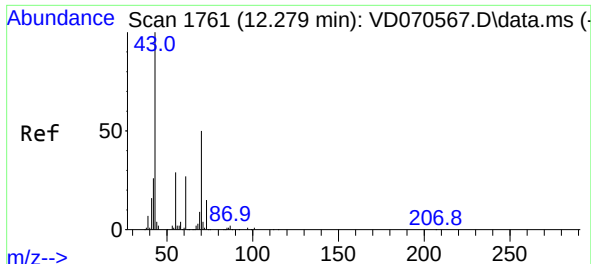


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07



Tgt Ion:152 Resp: 3139
Ion Ratio Lower Upper
152 100
115 33.5 31.9 95.7
150 132.1 0.0 350.0

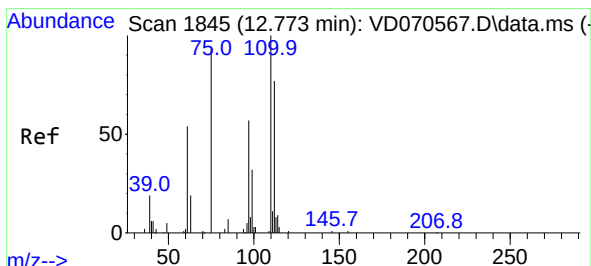
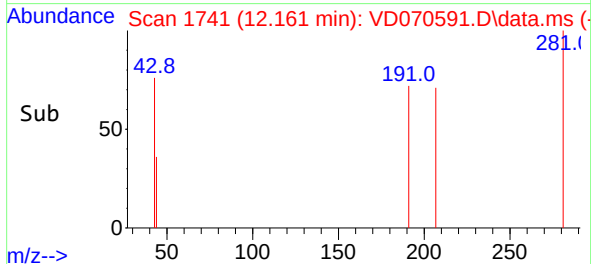
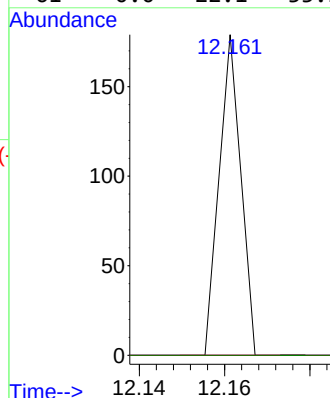
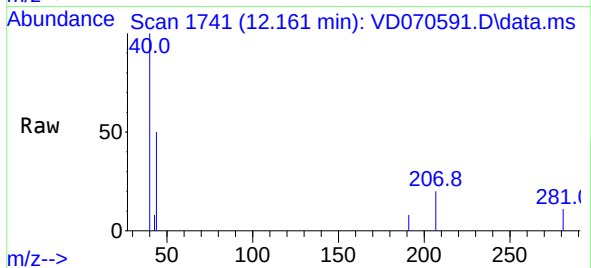




#74
N-amy1 acetate
Concen: 1.461 ug/l
RT: 12.161 min Scan# 1741
Delta R.T. -0.118 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

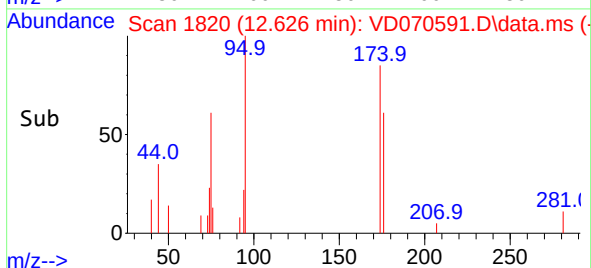
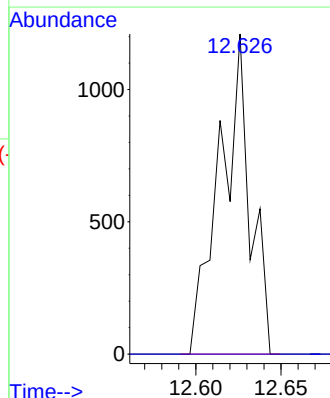
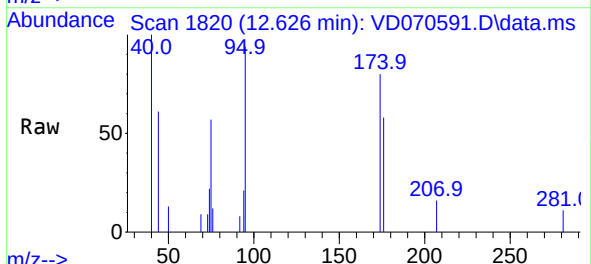
Instrument :
MSVOA_D
ClientSampleId :
SU-03-100421

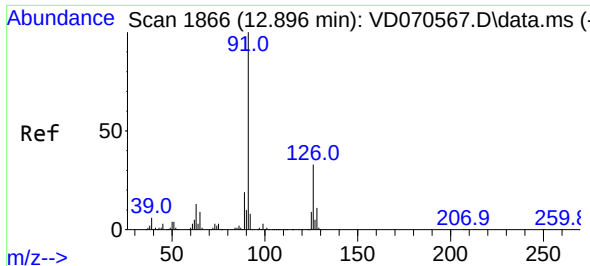
Tgt Ion: 43	Resp: 63
Ion Ratio	Lower Upper
43 100	
70 0.0	40.0 60.0#
55 0.0	23.8 35.6#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 52.937 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

Tgt Ion: 75	Resp: 1504
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

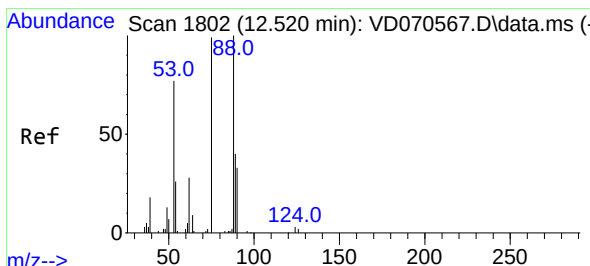
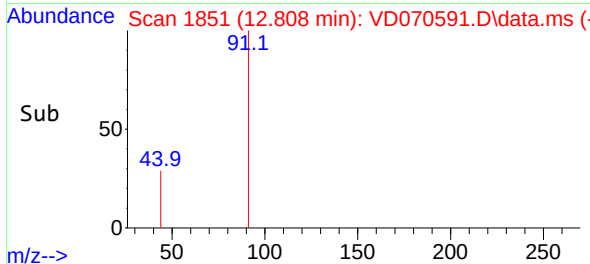
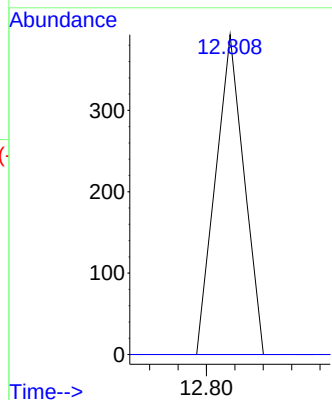
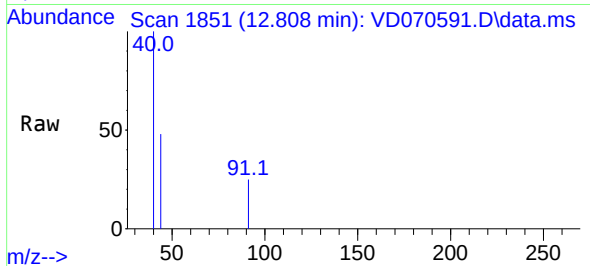




#79
2-Chlorotoluene
Concen: 1.613 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.088 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

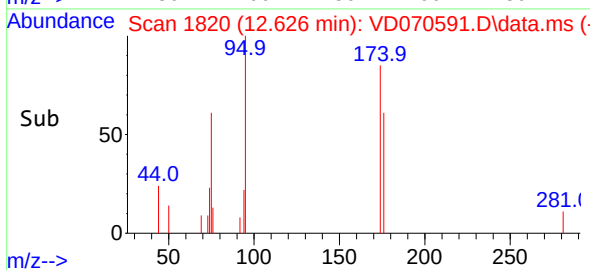
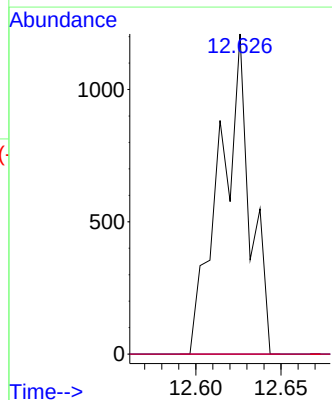
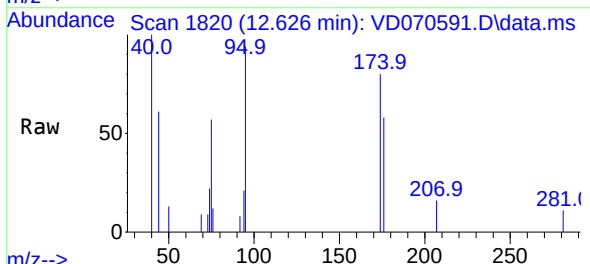
Instrument :
MSVOA_D
ClientSampleId :
SU-03-100421

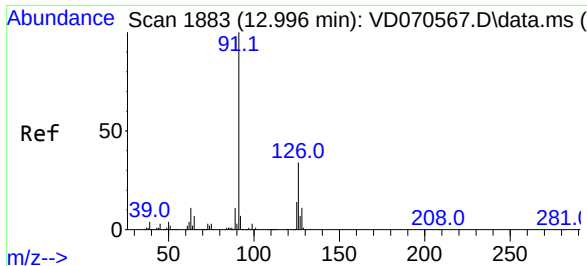
Tgt Ion: 91 Resp: 274
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.528 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

Tgt Ion: 75 Resp: 1504
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#

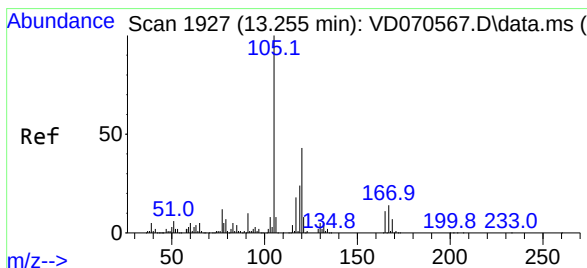
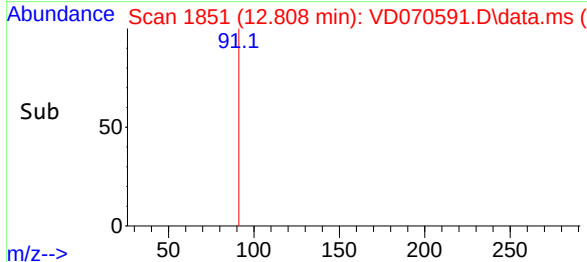
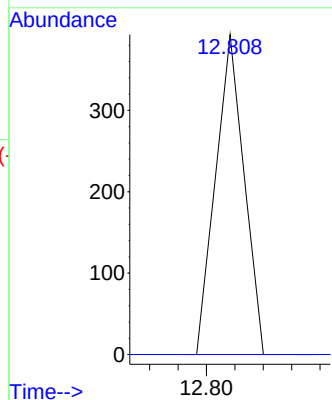
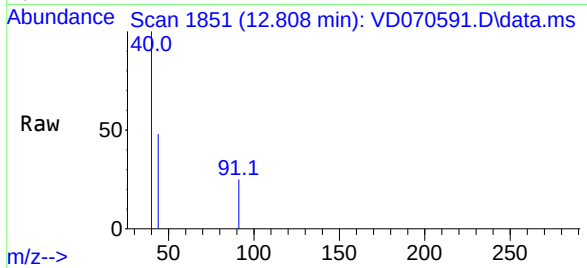




#82
4-Chlorotoluene
Concen: 1.543 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.188 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

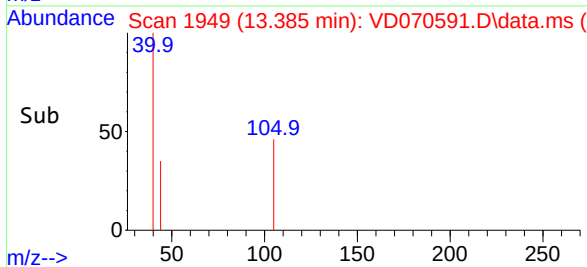
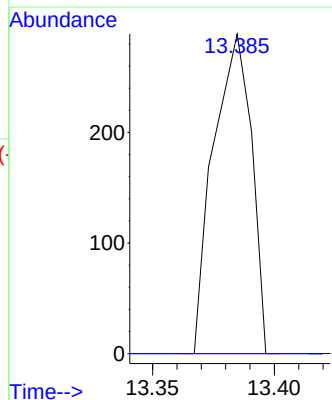
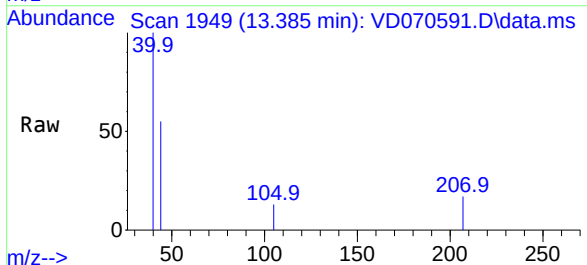
Instrument :
MSVOA_D
ClientSampleId :
SU-03-100421

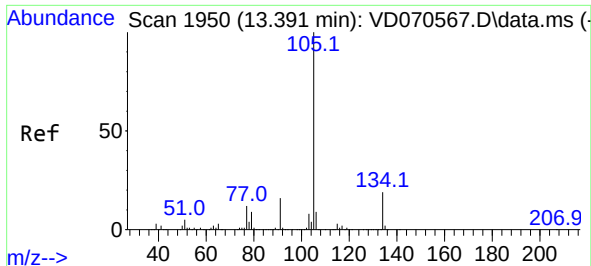
Tgt Ion: 91 Resp: 274
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.612 ug/l
RT: 13.385 min Scan# 1949
Delta R.T. 0.129 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

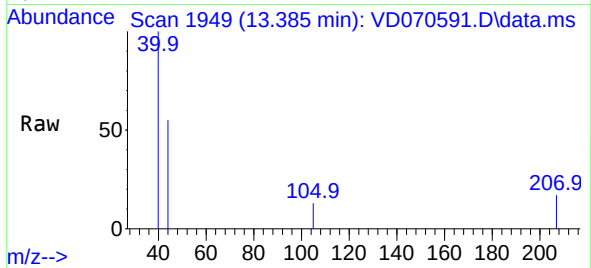
Tgt Ion: 105 Resp: 313
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.8#



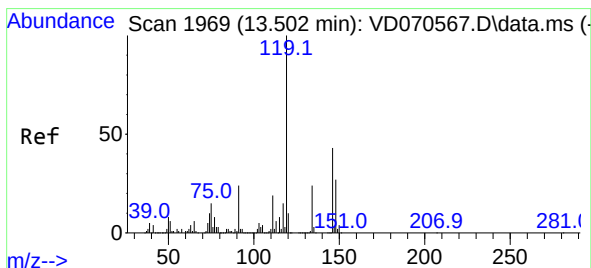
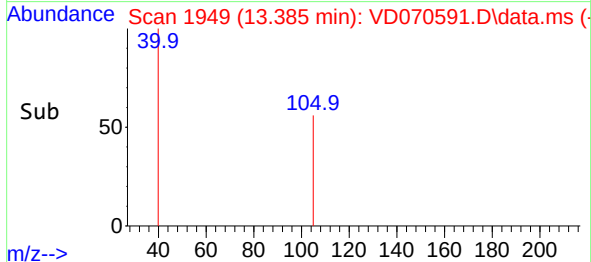
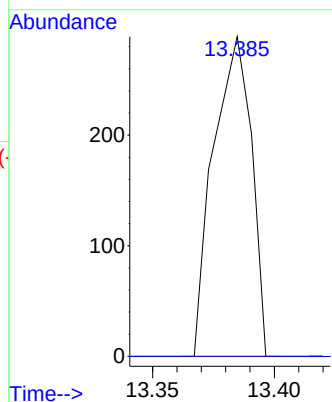


#85
sec-Butylbenzene
Concen: 1.252 ug/l
RT: 13.385 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

Instrument :
MSVOA_D
ClientSampleId :
SU-03-100421

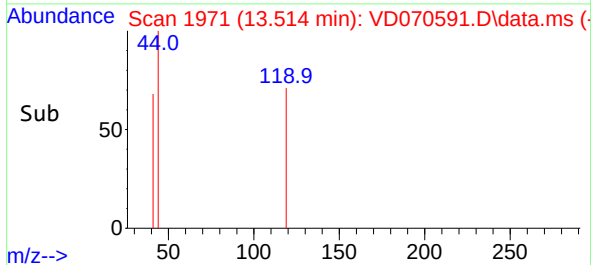
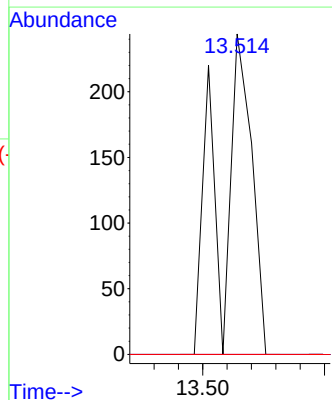
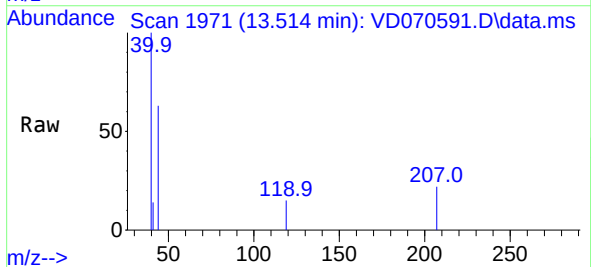


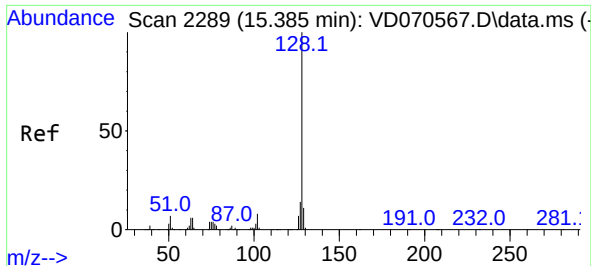
Tgt Ion:105 Resp: 313
Ion Ratio Lower Upper
105 100
134 0.0 9.3 28.0#



#86
p-Isopropyltoluene
Concen: 1.082 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.012 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

Tgt Ion:119 Resp: 221
Ion Ratio Lower Upper
119 100
134 0.0 12.5 37.5#
91 0.0 11.9 35.5#

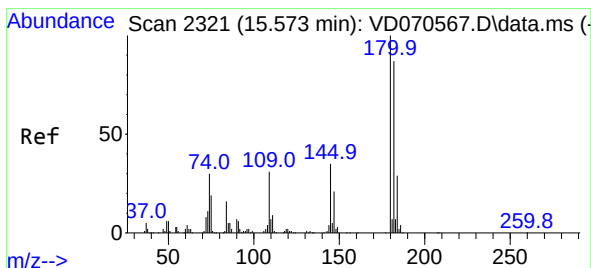
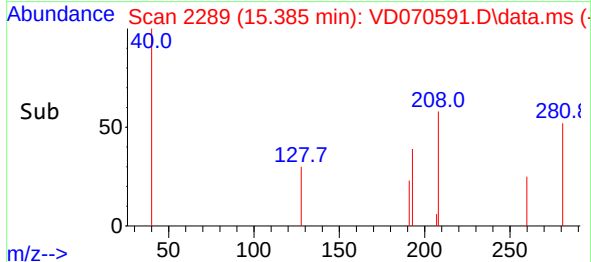
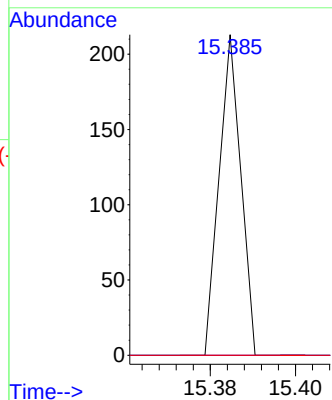
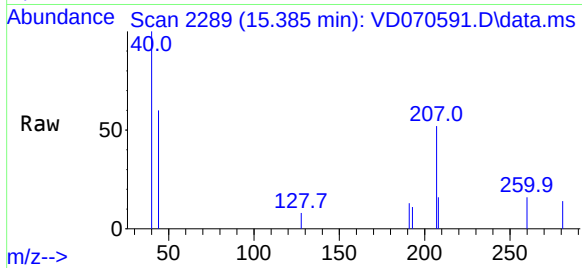




#95
Naphthalene
Concen: 3.206 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

Instrument :
MSVOA_D
ClientSampleId :
SU-03-100421

Tgt Ion:	128	Resp:	75
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.9	16.3#
129	0.0	8.6	12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.969 ug/l
RT: 15.573 min Scan# 2321
Delta R.T. 0.000 min
Lab File: VD070591.D
Acq: 06 Oct 2021 14:07

Tgt Ion:	180	Resp:	129
Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.2	138.5#
145	0.0	17.1	51.3#

