

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021122\
 Data File : VD071935.D
 Acq On : 11 Feb 2022 13:47
 Operator : VA/SY
 Sample : N1505-03
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 23:57:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

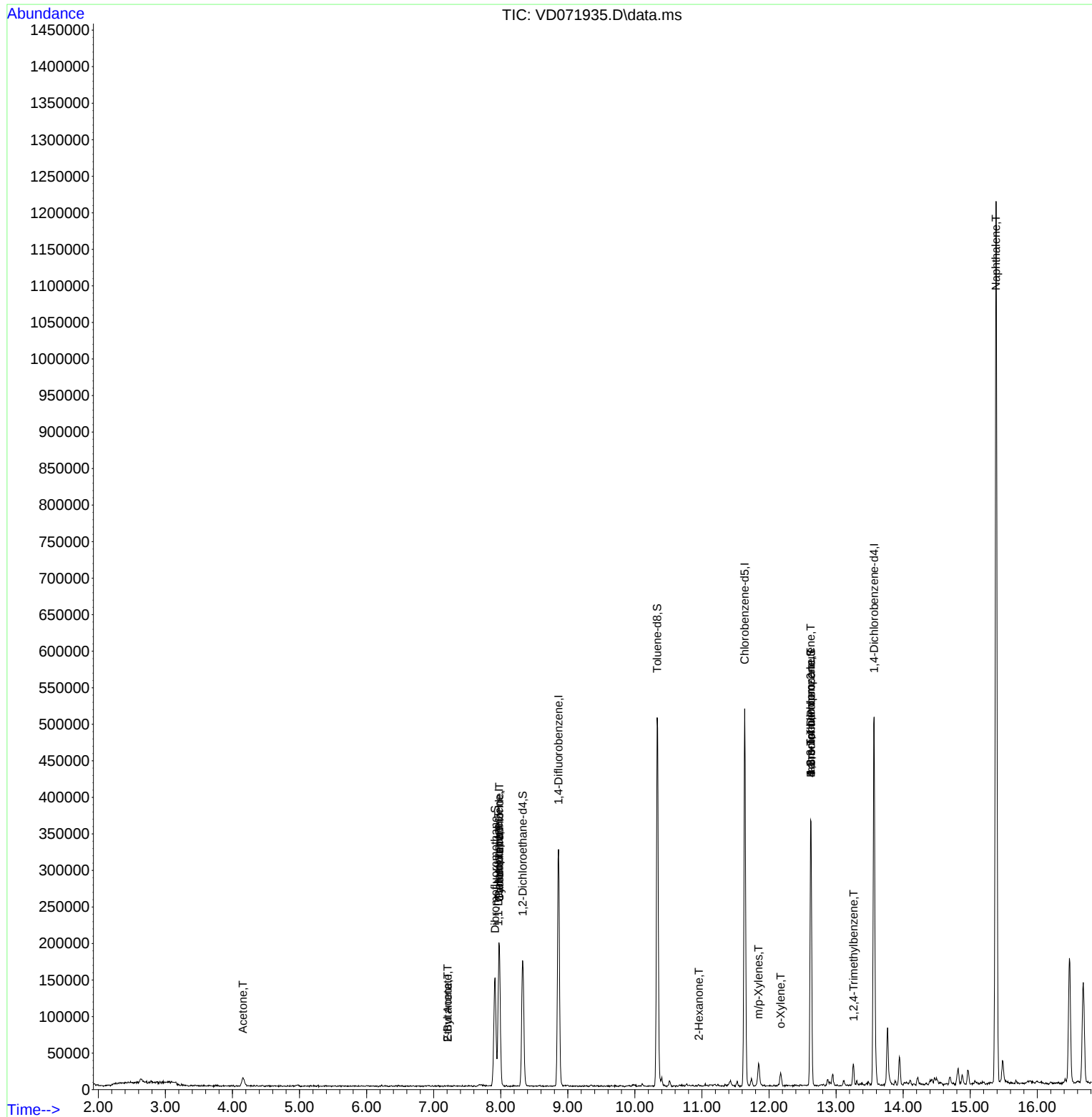
Internal Standards						
1) Pentafluorobenzene	7.973	168	134117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	257634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	271005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	126874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	138101	81.467	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 162.940%	
35) Dibromofluoromethane	7.914	113	104186	61.521	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.040%	
50) Toluene-d8	10.332	98	338698	53.552	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.100%	
62) 4-Bromofluorobenzene	12.626	95	122454	55.443	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.221	59	263	Below Cal	#	74
16) Acetone	4.156	43	21034	45.328	ug/l #	84
20) Methylene Chloride	4.956	84	593	Below Cal	#	43
25) 2-Butanone	7.209	43	1390	2.569	ug/l #	71
31) Cyclohexane	7.979	56	4619	1.427	ug/l #	24
36) 1,1-Dichloropropene	7.967	75	13546	4.660	ug/l #	53
37) Ethyl Acetate	7.209	43	1390	1.029	ug/l #	72
38) Carbon Tetrachloride	7.979	117	16084	5.595	ug/l #	16
59) 2-Hexanone	10.956	43	945	1.024	ug/l #	27
68) m/p-Xylenes	11.844	106	6098	1.520	ug/l	98
69) o-Xylene	12.173	106	3813	1.046	ug/l	84
71) Bromoform	12.626	173	1406	1.263	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	68488	51.222	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	68488	125.942	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.261	105	15596	1.946	ug/l	96
95) Naphthalene	15.385	128	967180	214.521	ug/l	99

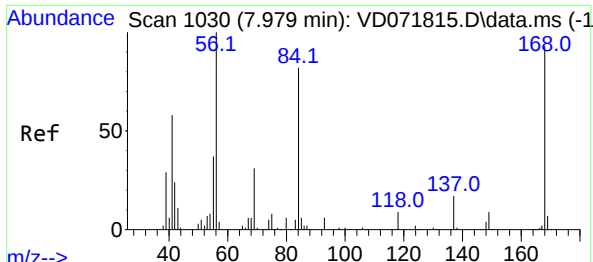
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 11 23:57:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
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QLast Update : Thu Jan 27 06:04:38 2022
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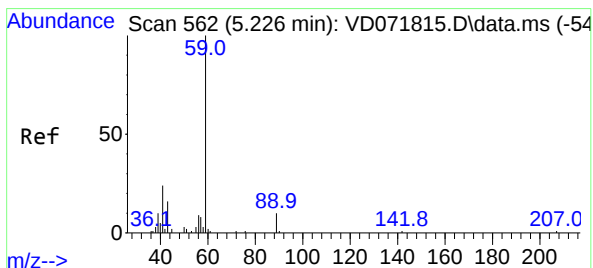
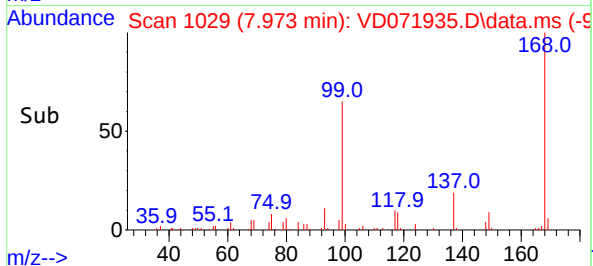
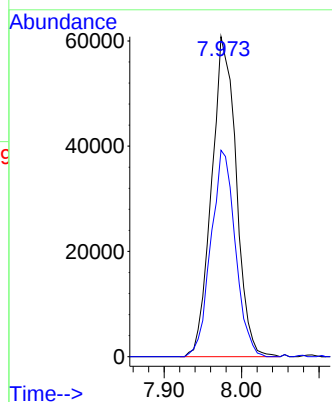
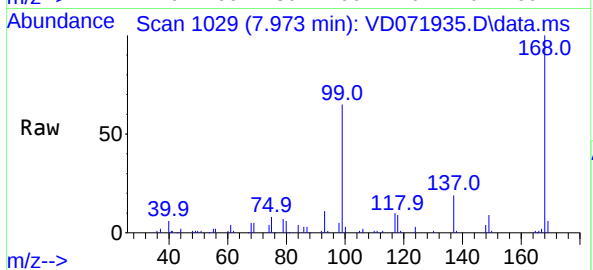




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

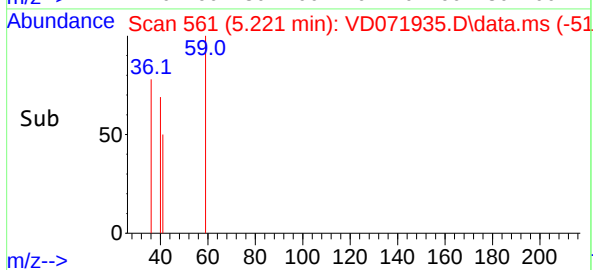
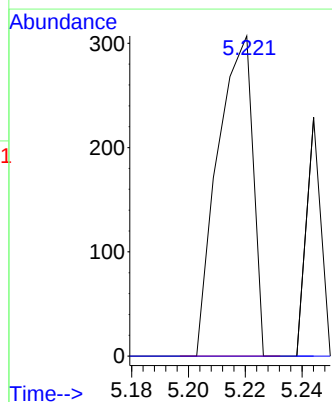
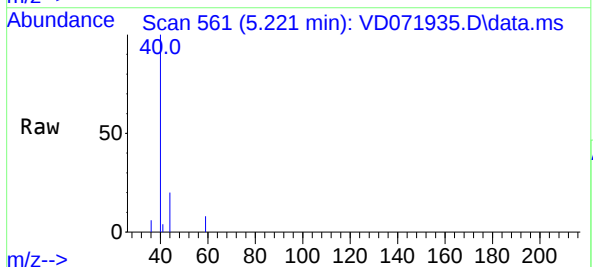
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 134117
Ion Ratio Lower Upper
168 100
99 64.5 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.221 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

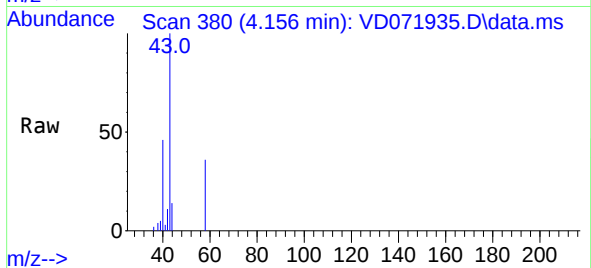
Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



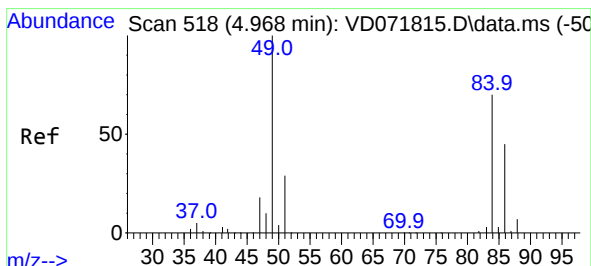
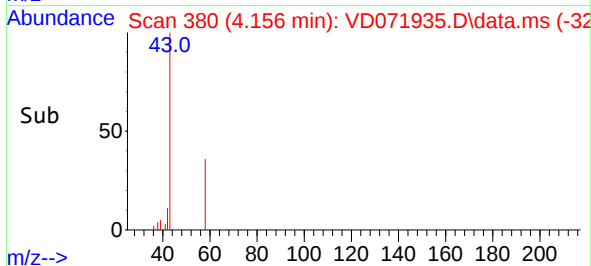
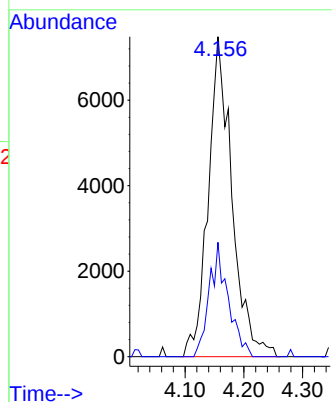


#16
Acetone
Concen: 45.328 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Instrument :
MSVOA_D
ClientSampleId :

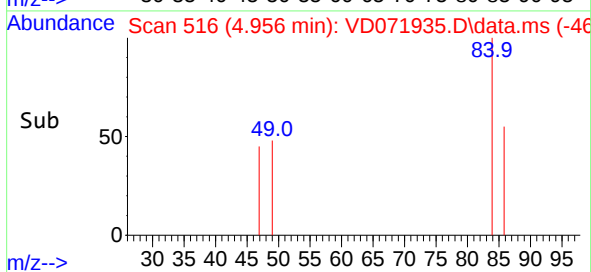
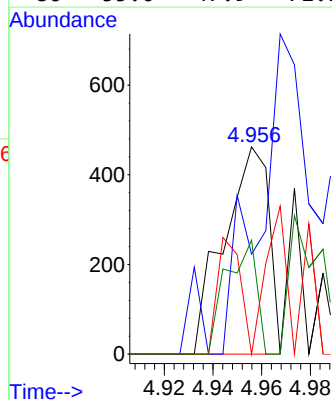
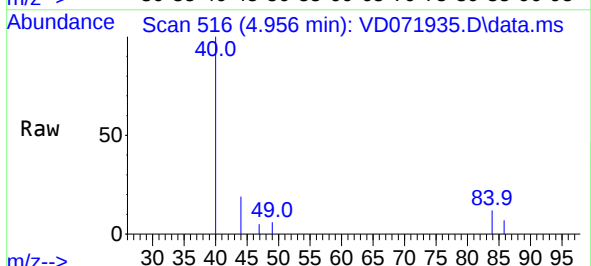


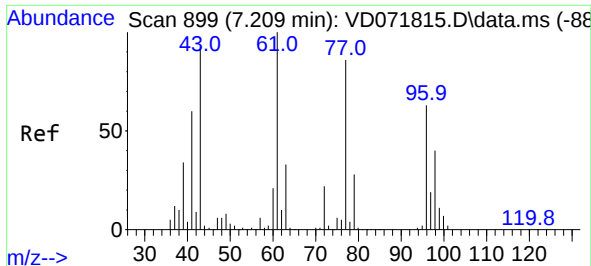
Tgt Ion: 43 Resp: 21034
Ion Ratio Lower Upper
43 100
58 35.8 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.012 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Tgt Ion: 84 Resp: 593
Ion Ratio Lower Upper
84 100
49 48.3 112.8 169.2#
51 0.0 32.6 48.8#
86 55.0 47.9 71.9

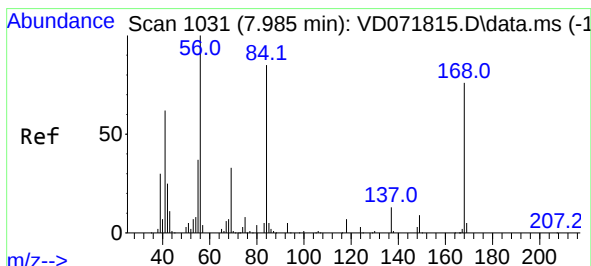
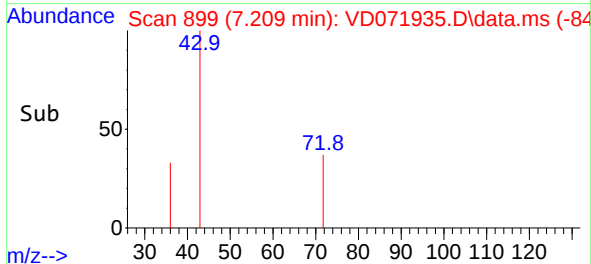
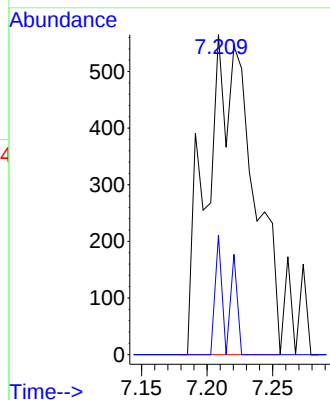
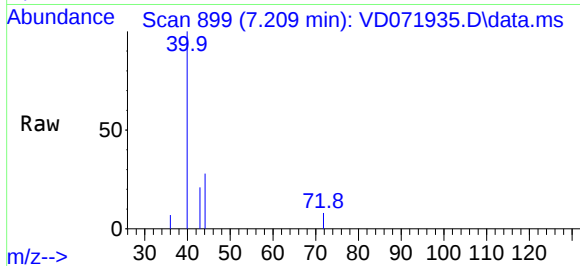




#25
2-Butanone
Concen: 2.569 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

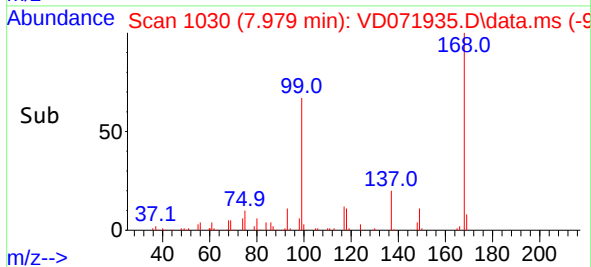
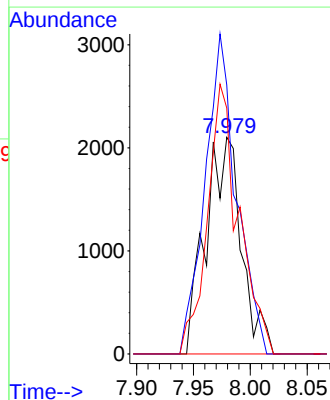
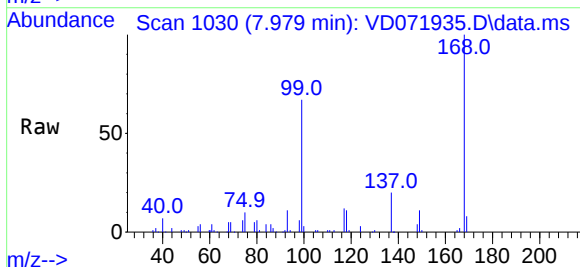
Instrument :
MSVOA_D
ClientSampleId :

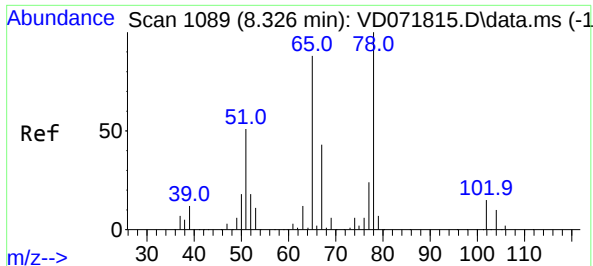
Tgt Ion: 43 Resp: 1390
Ion Ratio Lower Upper
43 100
72 37.3 18.6 27.8#



#31
Cyclohexane
Concen: 1.427 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Tgt Ion: 56 Resp: 4619
Ion Ratio Lower Upper
56 100
69 124.2 25.4 38.2#
84 113.6 63.0 94.4#

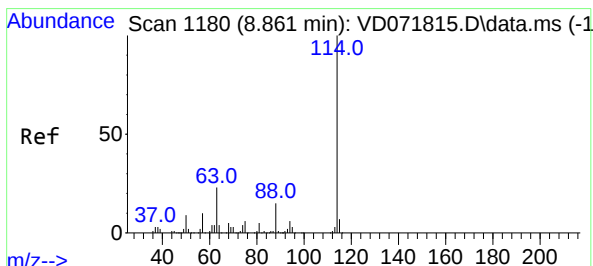
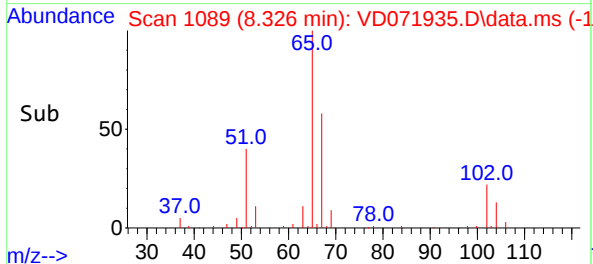
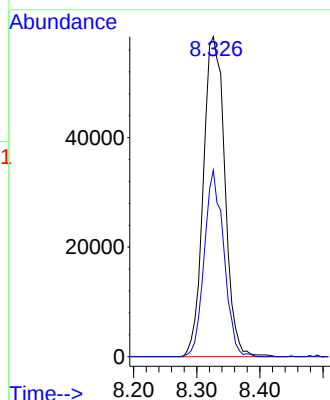
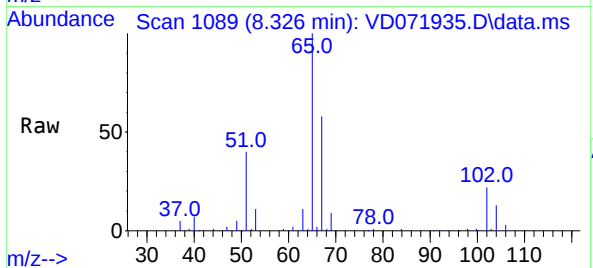




#33
1,2-Dichloroethane-d4
Concen: 81.467 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

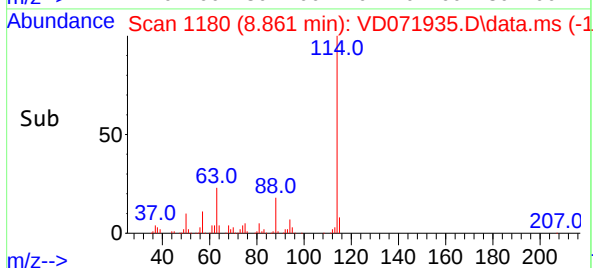
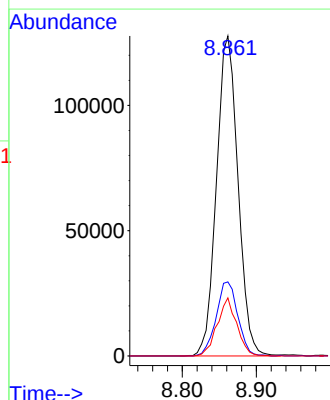
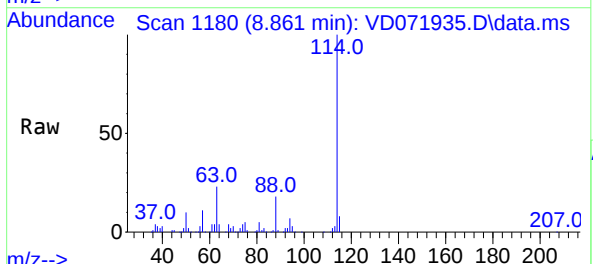
Instrument :
MSVOA_D
ClientSampleId :

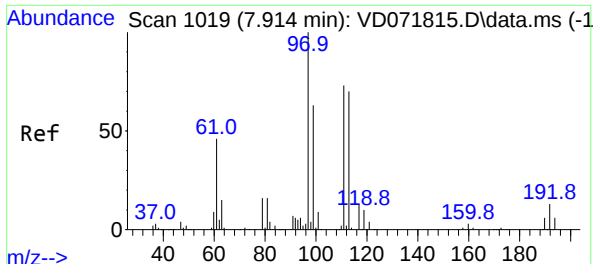
Tgt Ion: 65 Resp: 138101
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

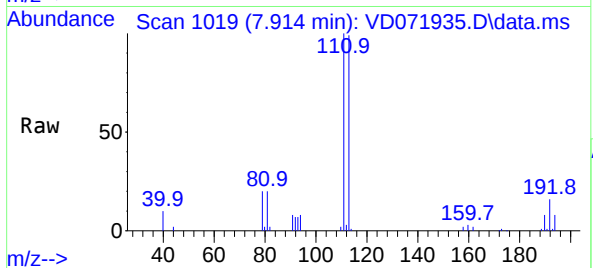
Tgt Ion: 114 Resp: 257634
Ion Ratio Lower Upper
114 100
63 23.1 0.0 46.6
88 18.1 0.0 33.2



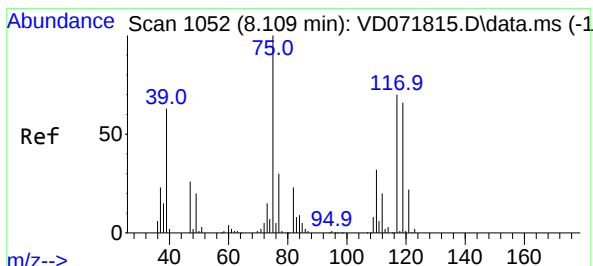
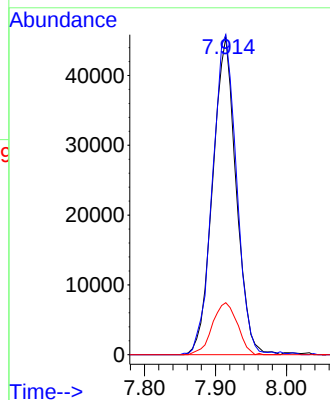
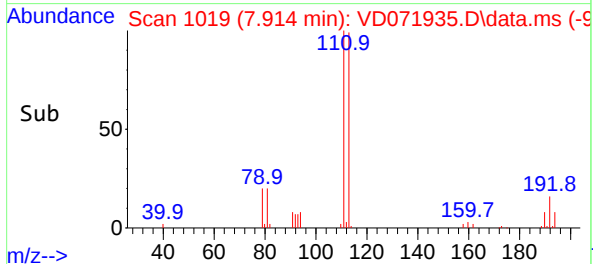


#35
Dibromofluoromethane
Concen: 61.521 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

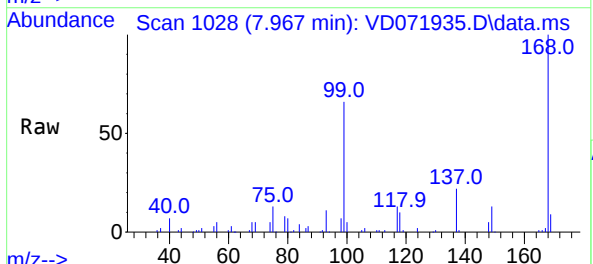
Instrument :
MSVOA_D
ClientSampleId :



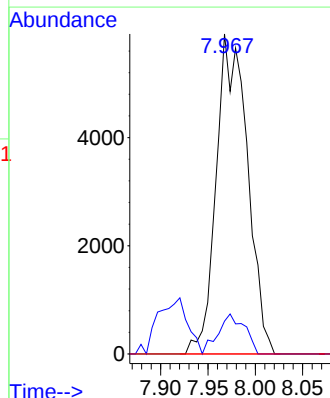
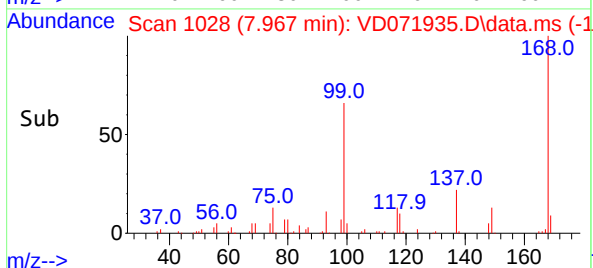
Tgt Ion:113 Resp: 104186
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.6
192 17.5 14.6 21.8

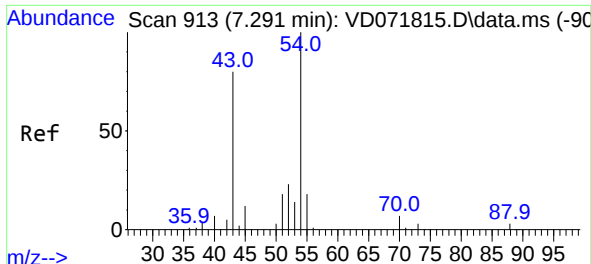


#36
1,1-Dichloropropene
Concen: 4.660 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.147 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47



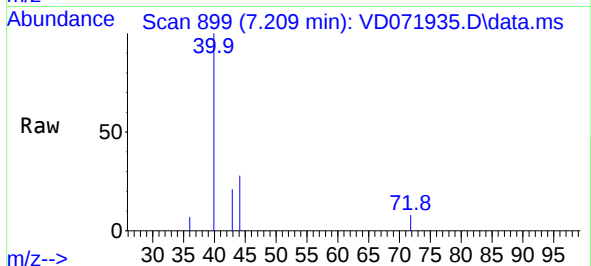
Tgt Ion: 75 Resp: 13546
Ion Ratio Lower Upper
75 100
110 10.6 16.4 49.1#
77 0.0 24.2 36.2#



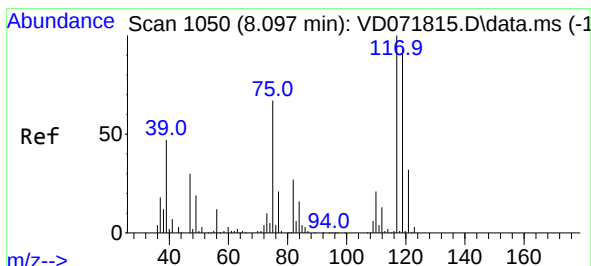
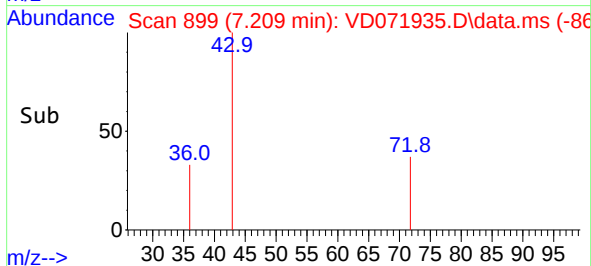
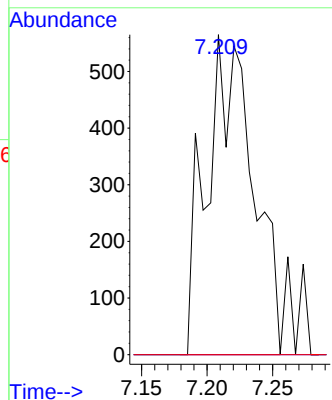


#37
Ethyl Acetate
Concen: 1.029 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.088 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Instrument :
MSVOA_D
ClientSampleId :

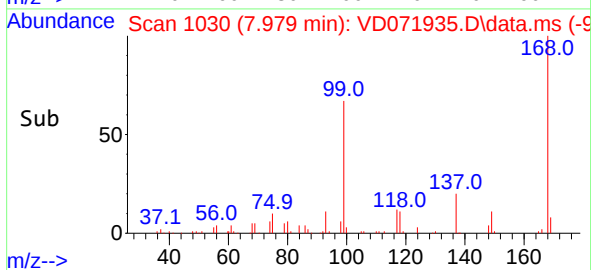
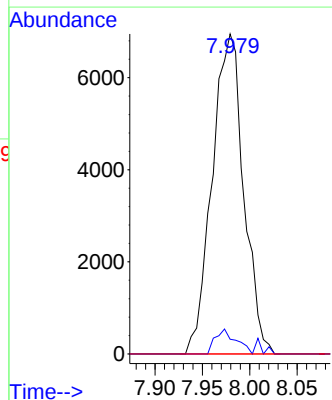
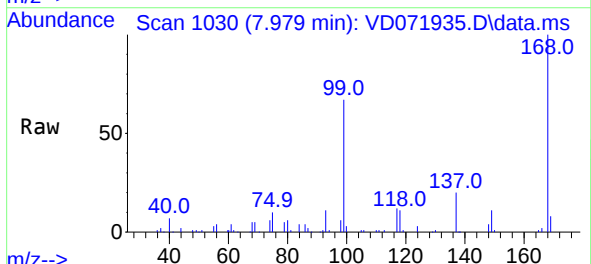


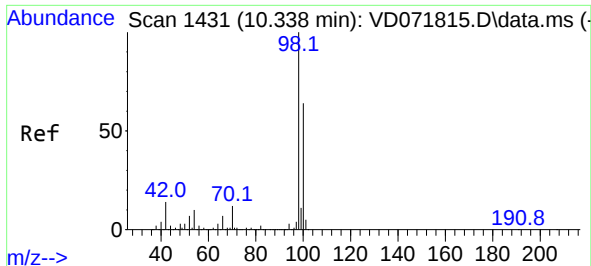
Tgt Ion: 43 Resp: 1390
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.595 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Tgt Ion: 117 Resp: 16084
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.5 36.7#

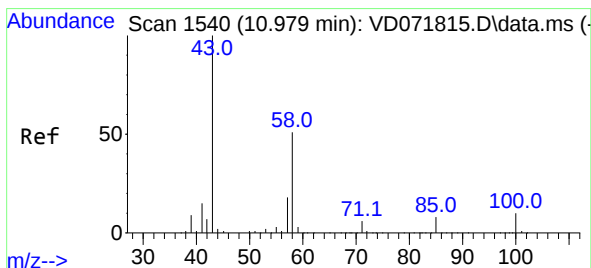
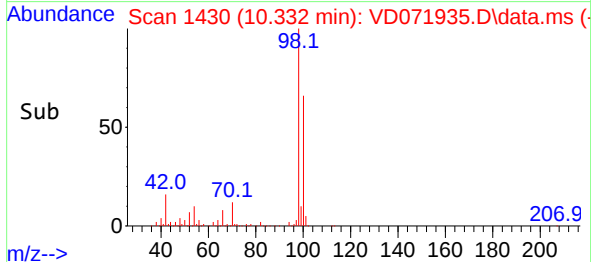
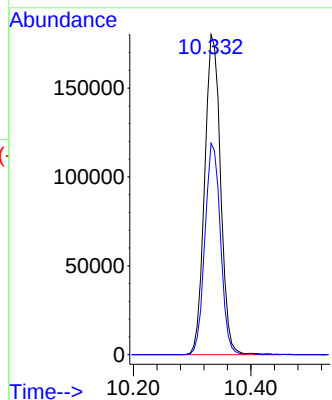
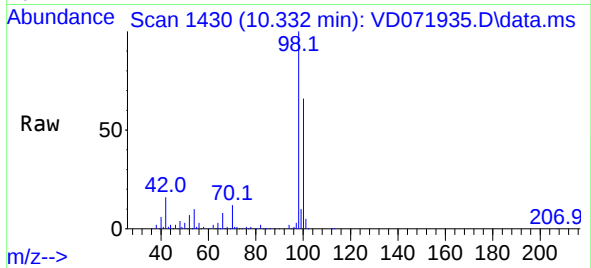




#50
Toluene-d8
Concen: 53.552 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

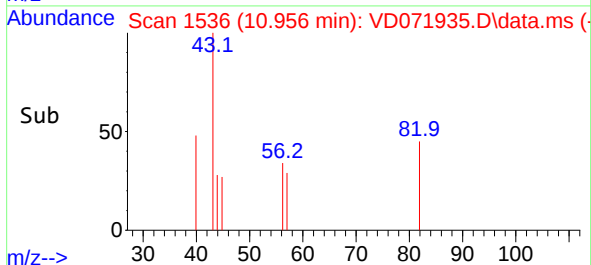
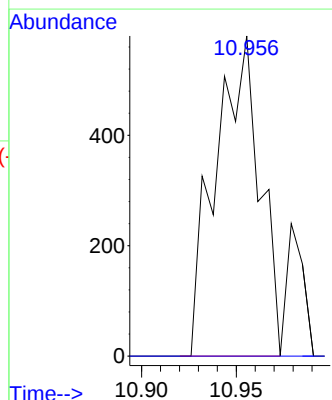
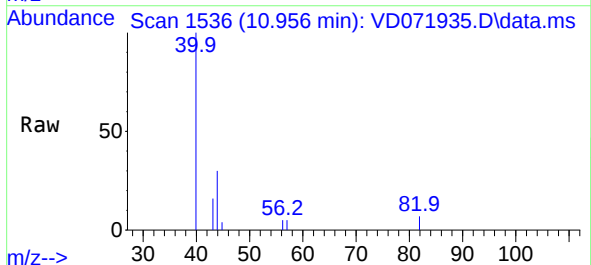
Instrument :
MSVOA_D
ClientSampleId :

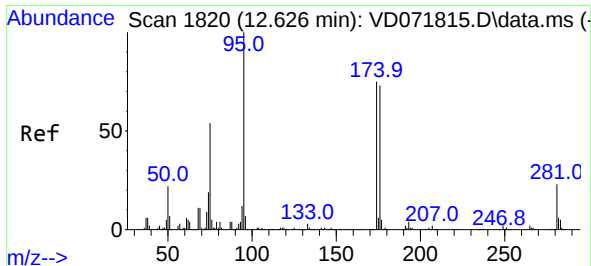
Tgt Ion: 98 Resp: 338698
Ion Ratio Lower Upper
98 100
100 64.5 52.4 78.6



#59
2-Hexanone
Concen: 1.024 ug/l
RT: 10.956 min Scan# 1536
Delta R.T. -0.023 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

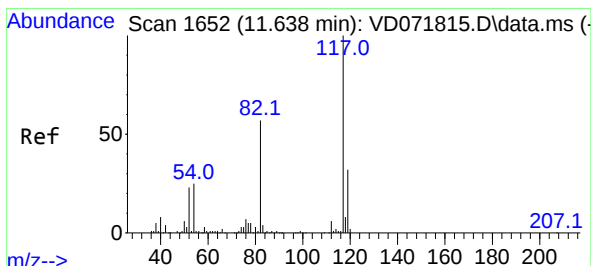
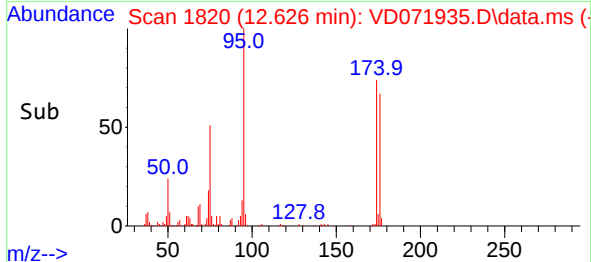
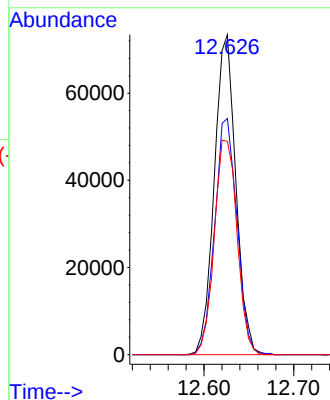
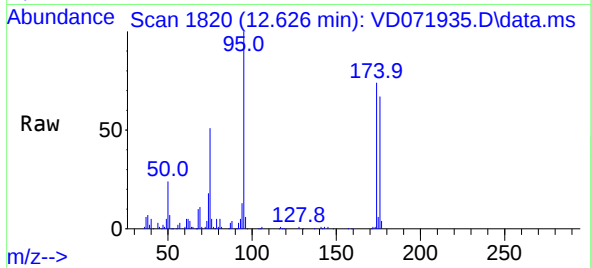




#62
4-Bromofluorobenzene
Concen: 55.443 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

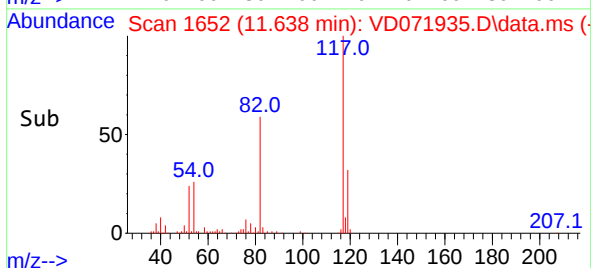
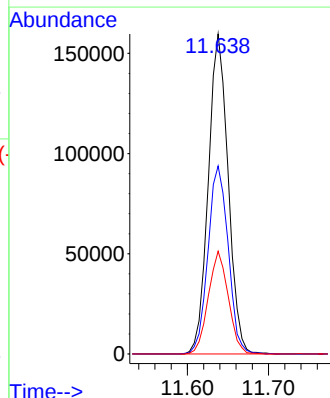
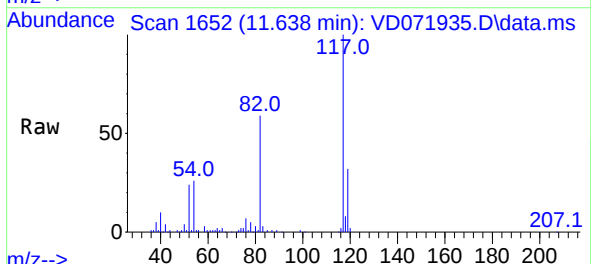
Instrument :
MSVOA_D
ClientSampleId :

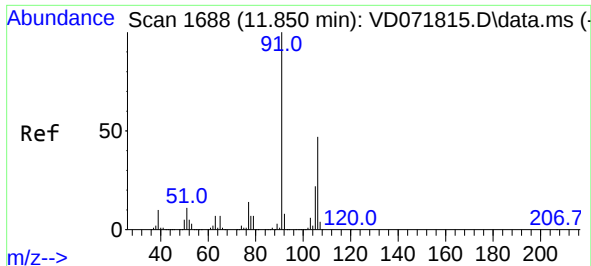
Tgt Ion: 95 Resp: 122454
Ion Ratio Lower Upper
95 100
174 76.5 0.0 152.8
176 70.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Tgt Ion: 117 Resp: 271005
Ion Ratio Lower Upper
117 100
82 58.8 45.3 67.9
119 32.1 26.6 40.0

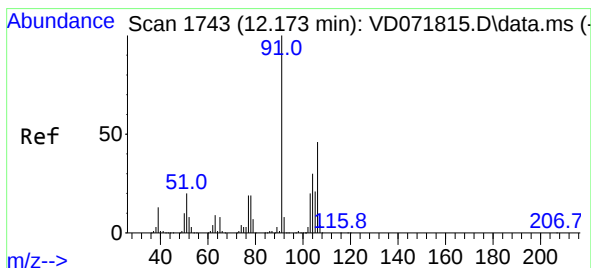
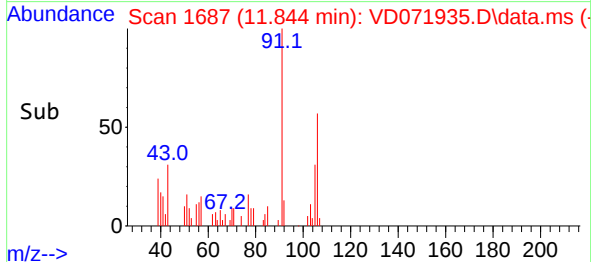
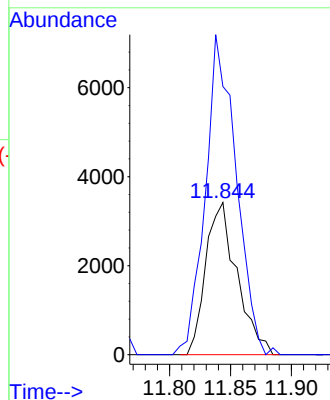
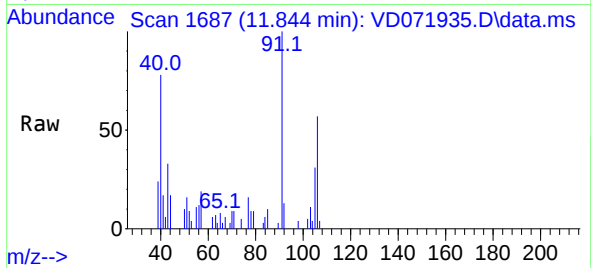




#68
m/p-Xylenes
Concen: 1.520 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

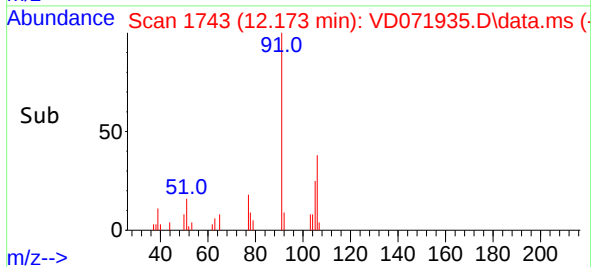
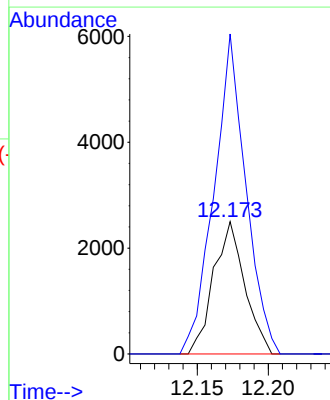
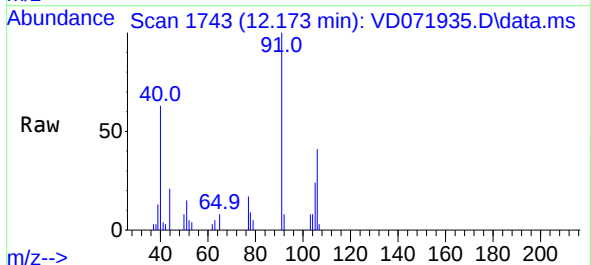
Instrument :
MSVOA_D
ClientSampleId :

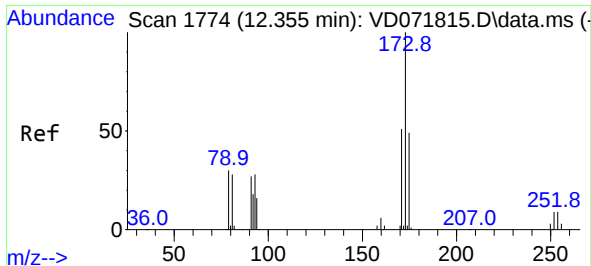
Tgt Ion:106 Resp: 6098
Ion Ratio Lower Upper
106 100
91 207.9 163.7 245.5



#69
o-Xylene
Concen: 1.046 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Tgt Ion:106 Resp: 3813
Ion Ratio Lower Upper
106 100
91 246.8 110.4 331.2

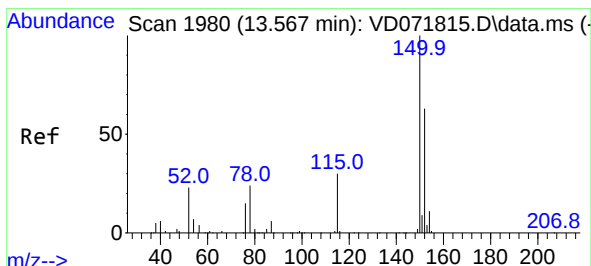
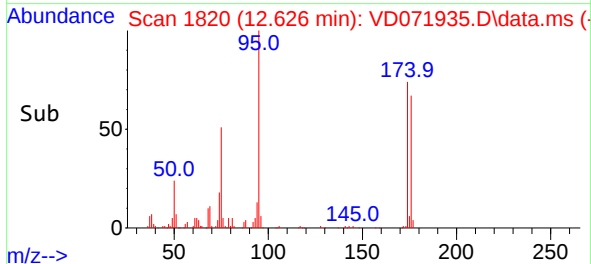
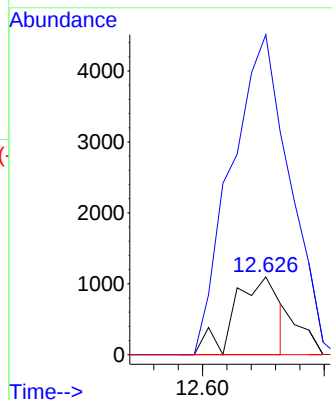
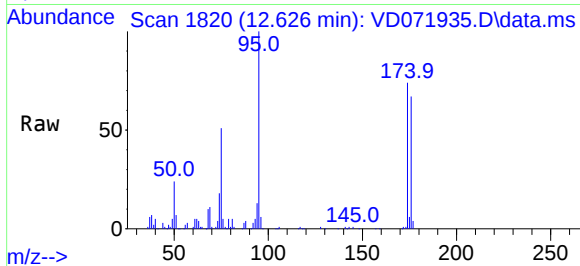




#71
Bromoform
Concen: 1.263 ug/l
RT: 12.626 min Scan# 1774
Delta R.T. 0.271 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

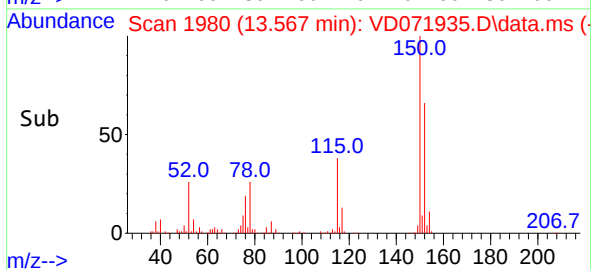
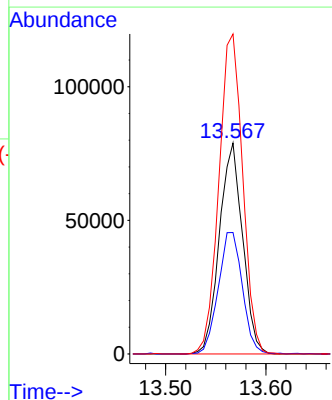
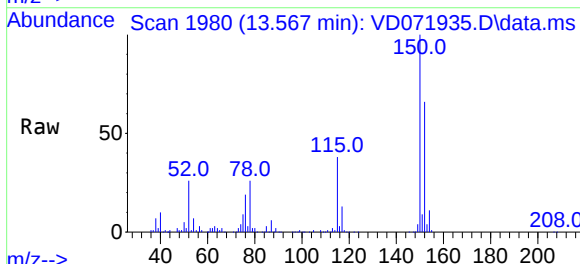
Instrument :
MSVOA_D
ClientSampleId :

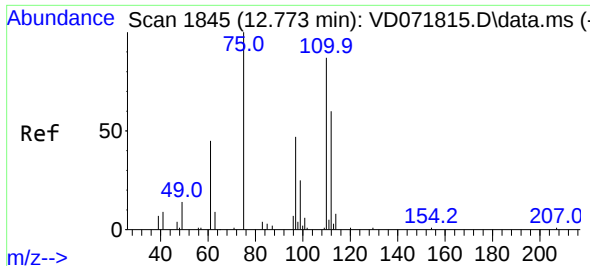
Tgt Ion:173 Resp: 1406
Ion Ratio Lower Upper
173 100
175 444.9 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Tgt Ion:152 Resp: 126874
Ion Ratio Lower Upper
152 100
115 59.9 31.3 93.8
150 155.5 0.0 348.6

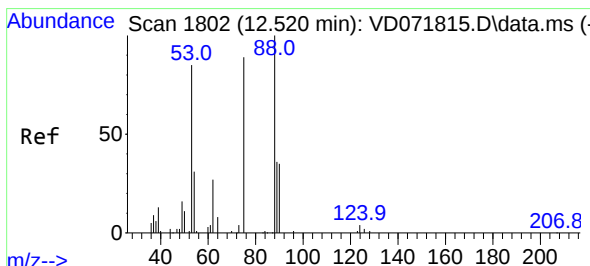
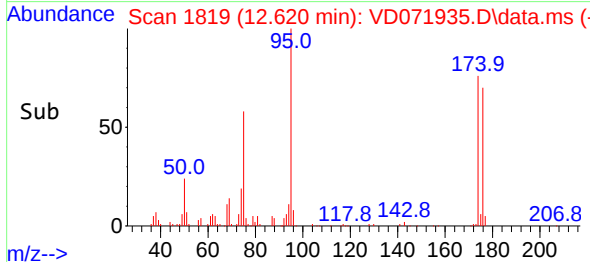
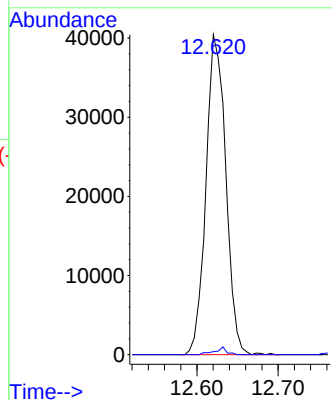
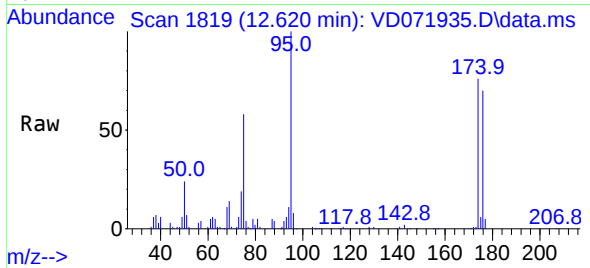




#76
1,2,3-Trichloropropane
Concen: 51.222 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

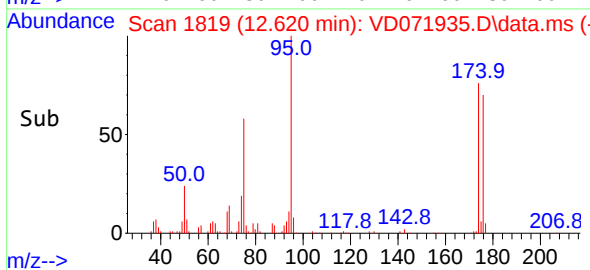
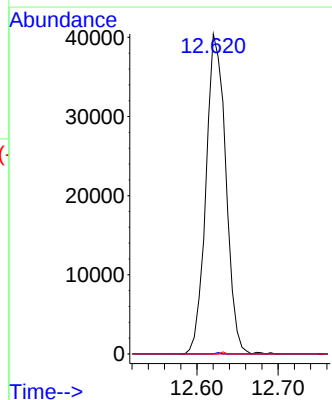
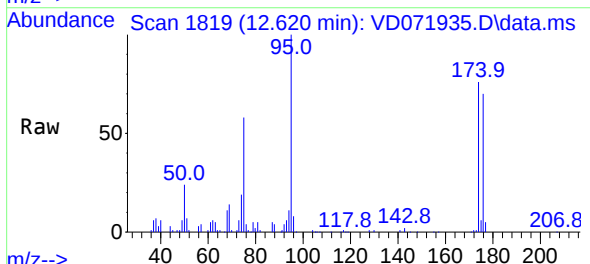
Instrument :
MSVOA_D
ClientSampleId :

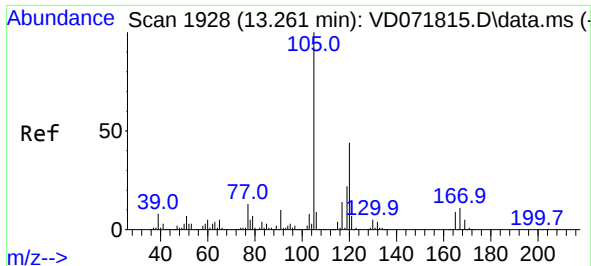
Tgt Ion: 75 Resp: 68488
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.942 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Tgt Ion: 75 Resp: 68488
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#

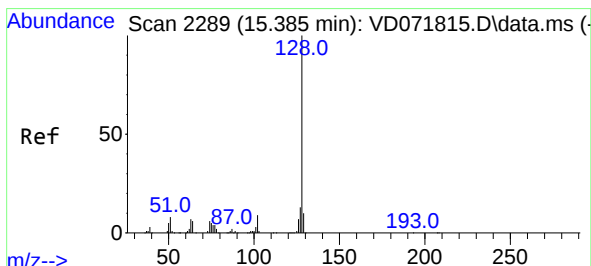
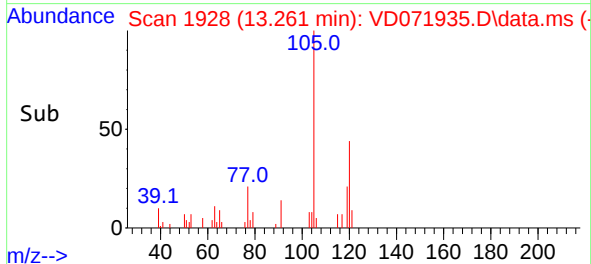
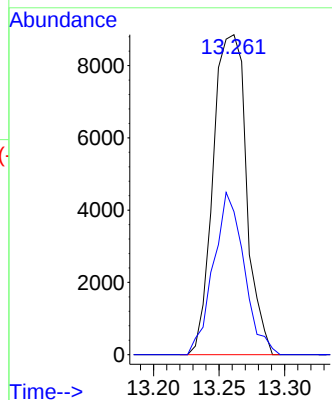
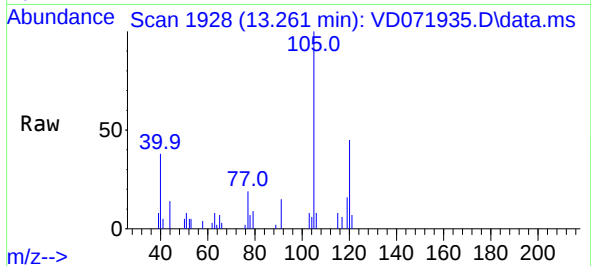




#84
1,2,4-Trimethylbenzene
Concen: 1.946 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 15596
Ion Ratio Lower Upper
105 100
120 46.9 22.3 66.8



#95
Naphthalene
Concen: 214.521 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD071935.D
Acq: 11 Feb 2022 13:47

Tgt Ion:128 Resp: 967180
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.0 8.4 12.6

