

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072836.D
 Acq On : 06 May 2022 05:06
 Operator : VA/SY
 Sample : N2680-09
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B5-0-2

Quant Time: May 06 06:31:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

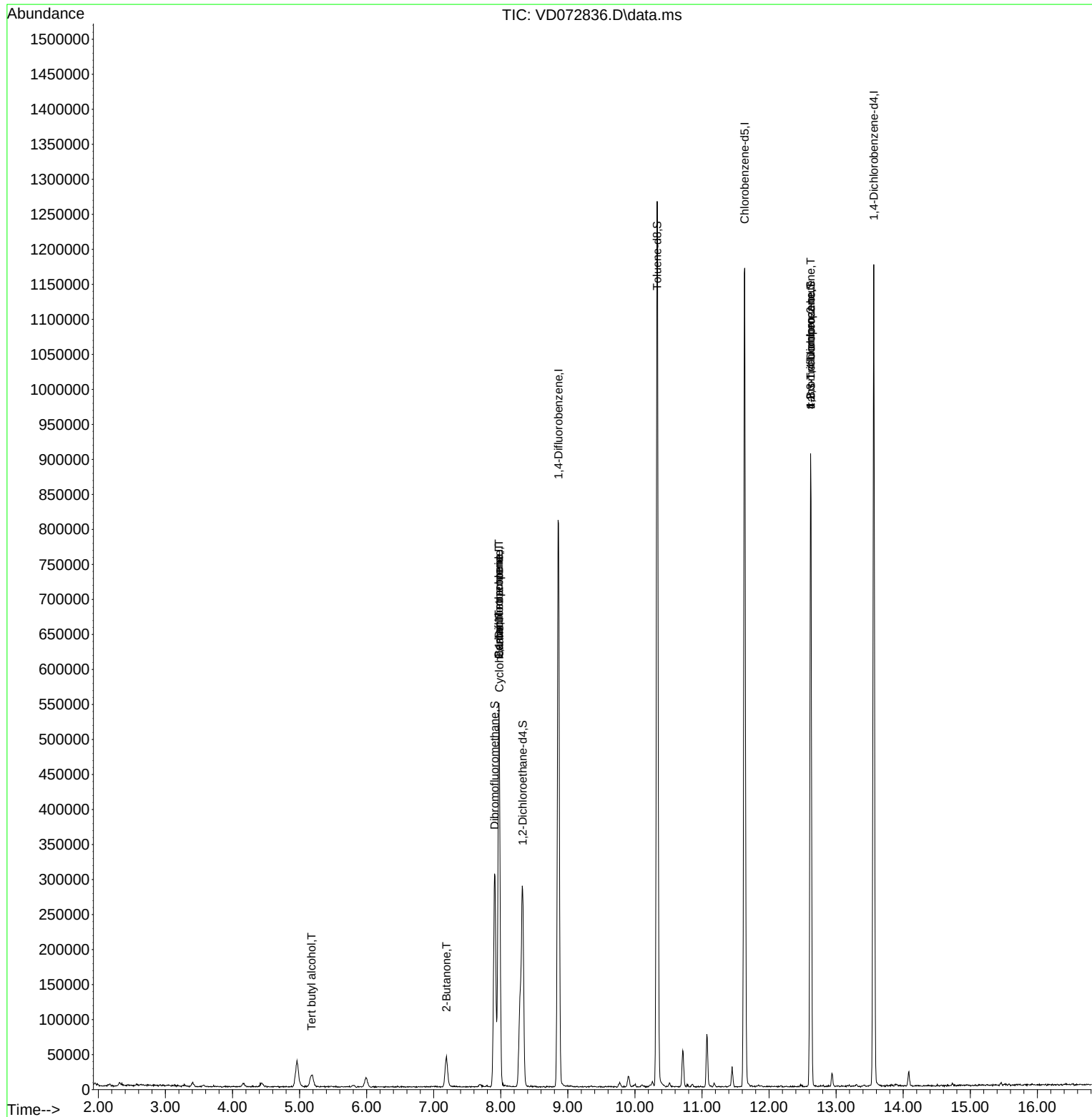
Internal Standards						
1) Pentafluorobenzene	7.973	168	380098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	693776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	665217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	287920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	222307	45.056	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.120%		
35) Dibromofluoromethane	7.908	113	227131	46.615	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.240%		
50) Toluene-d8	10.332	98	836097	47.837	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.680%		
62) 4-Bromofluorobenzene	12.620	95	289305	44.392	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.780%		
Target Compounds						
5) Bromomethane	2.779	94	959	Below Cal	#	80
11) Tert butyl alcohol	5.179	59	15977	37.426	ug/l #	74
13) Acrolein	3.732	56	74	Below Cal	#	14
16) Acetone	4.162	43	8613	Below Cal		93
18) Methyl Acetate	4.720	43	78	Below Cal	#	55
20) Methylene Chloride	4.962	84	27258	Below Cal	#	83
25) 2-Butanone	7.191	43	2667	1.855	ug/l #	52
31) Cyclohexane	7.979	56	9726	1.128	ug/l #	27
36) 1,1-Dichloropropene	7.973	75	33344	4.209	ug/l #	52
38) Carbon Tetrachloride	7.973	117	42746	5.198	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	155106	48.312	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	155106	111.098	ug/l #	7

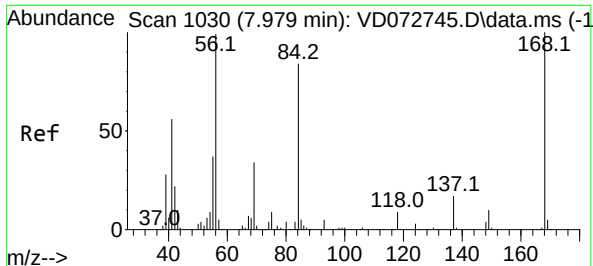
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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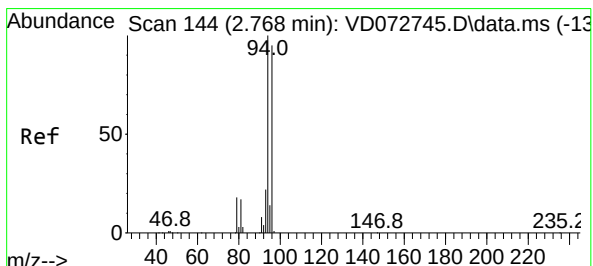
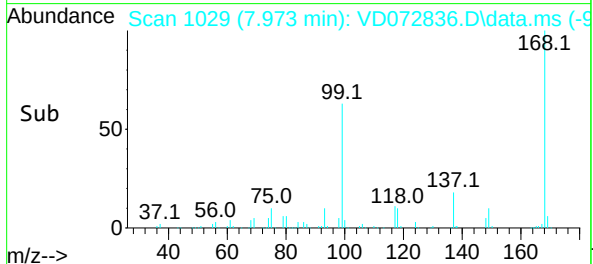
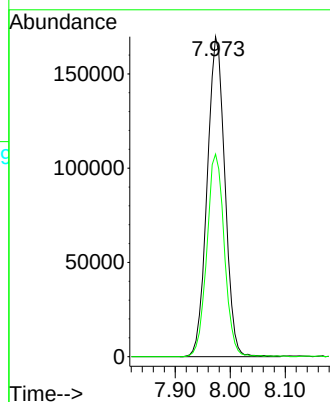
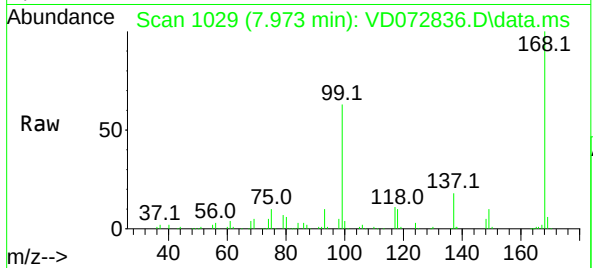




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

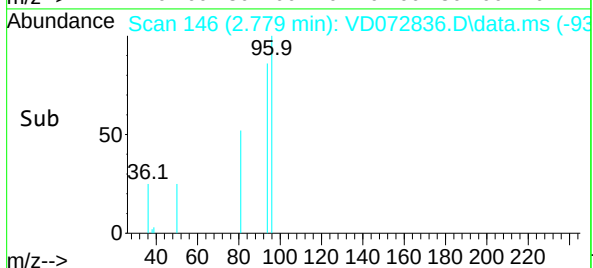
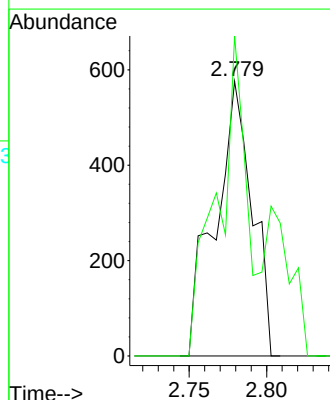
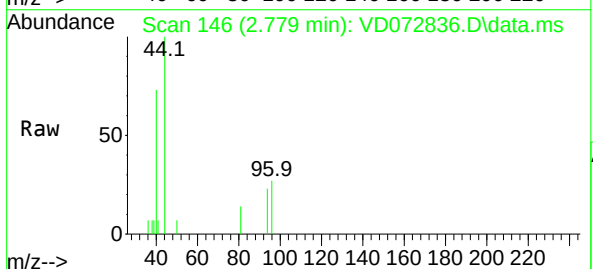
Instrument :
MSVOA_D
ClientSampleId :
B5-0-2

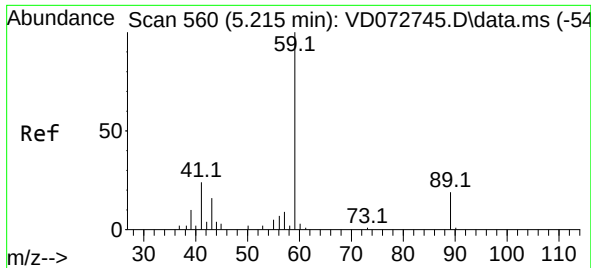
Tgt Ion:168 Resp: 380098
Ion Ratio Lower Upper
168 100
99 63.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

Tgt Ion: 94 Resp: 959
Ion Ratio Lower Upper
94 100
96 116.5 77.6 116.4#

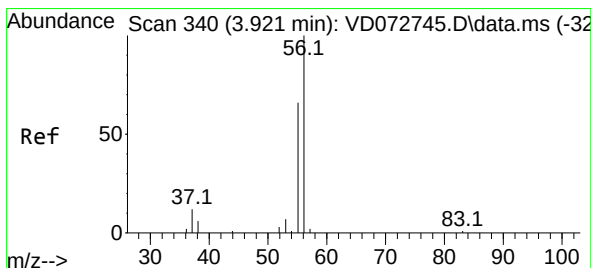
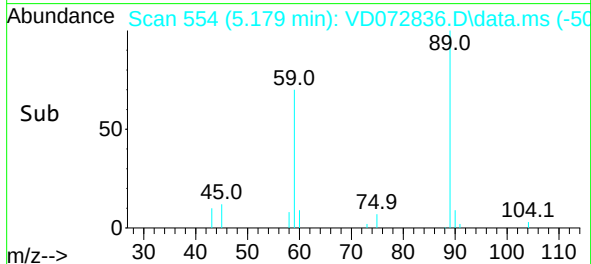
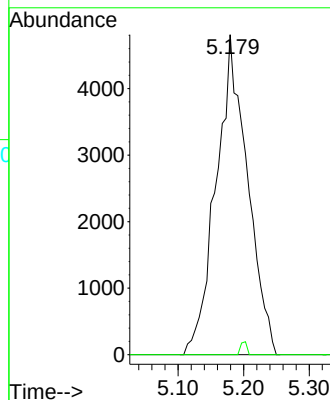
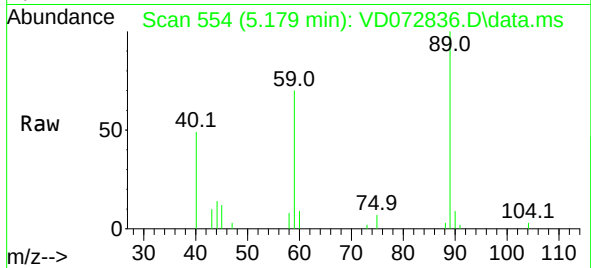




#11
Tert butyl alcohol
Concen: 37.426 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

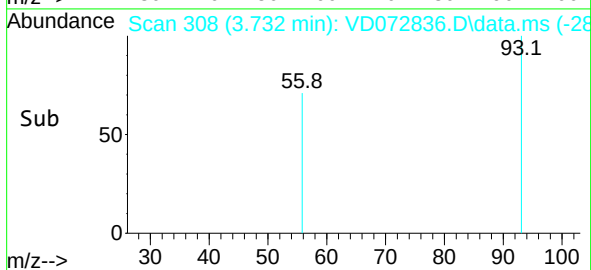
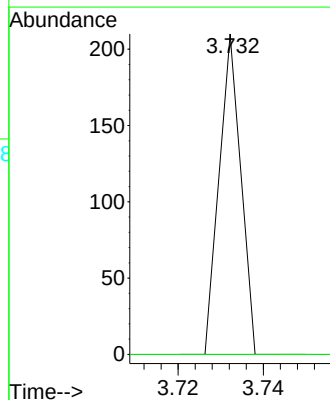
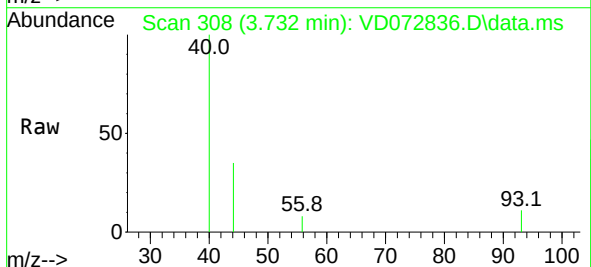
Instrument :
MSVOA_D
ClientSampleId :
B5-0-2

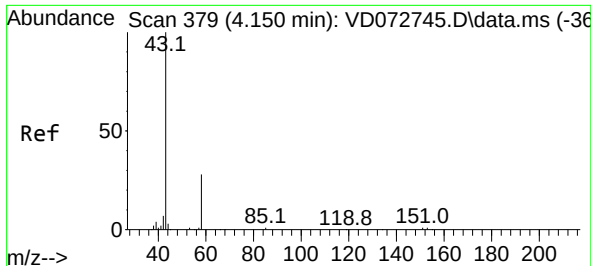
Tgt Ion: 59 Resp: 15977
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 3.732 min Scan# 308
Delta R.T. -0.189 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

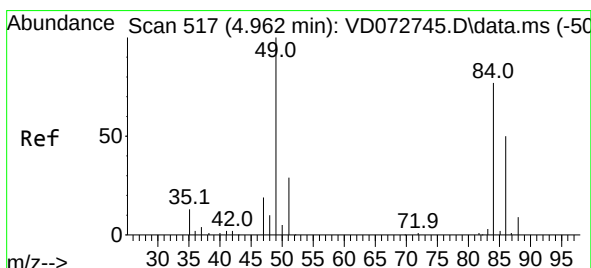
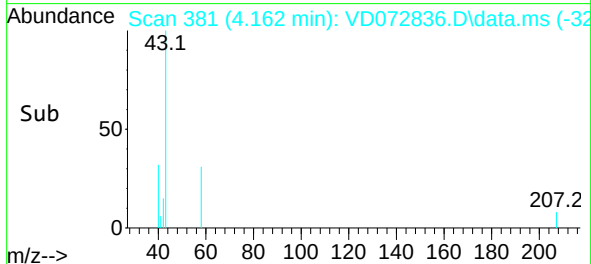
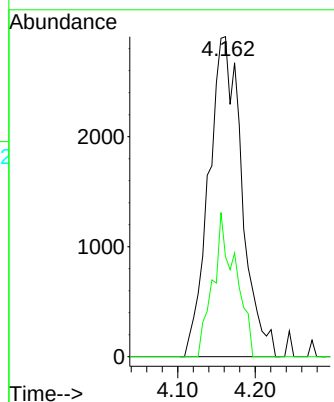
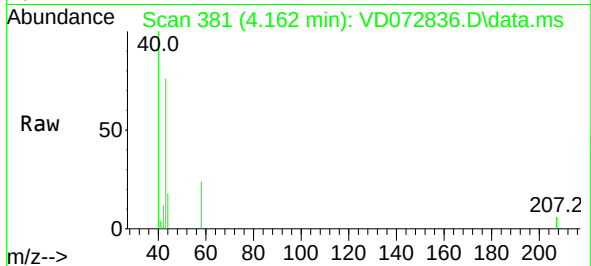




#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

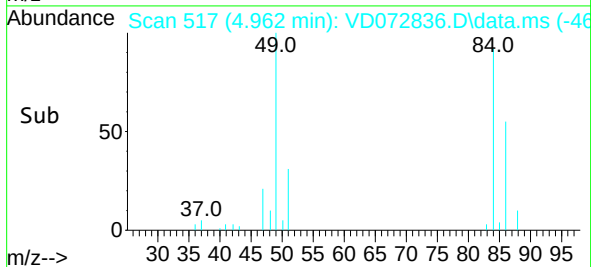
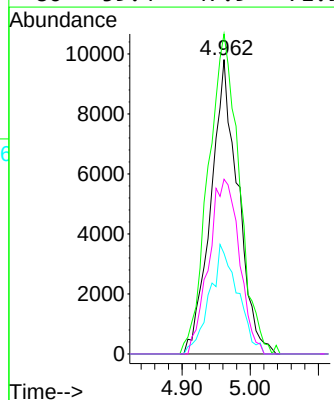
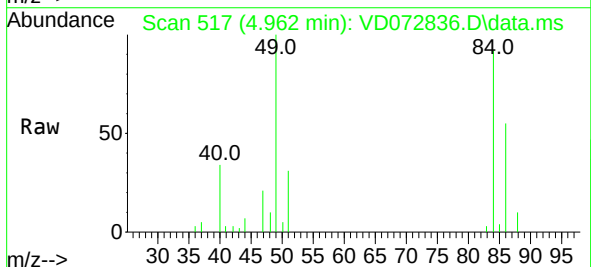
Instrument :
MSVOA_D
ClientSampleId :
B5-0-2

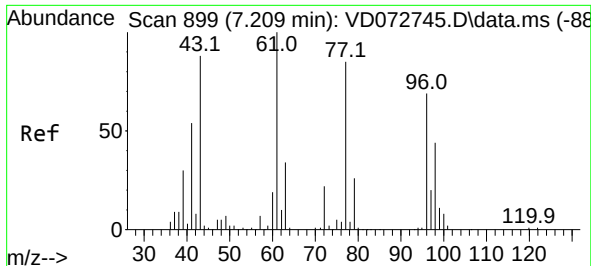
Tgt Ion: 43 Resp: 8613
Ion Ratio Lower Upper
43 100
58 31.2 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

Tgt Ion: 84 Resp: 27258
Ion Ratio Lower Upper
84 100
49 108.7 112.8 169.2#
51 34.1 32.6 48.8
86 59.4 47.9 71.9

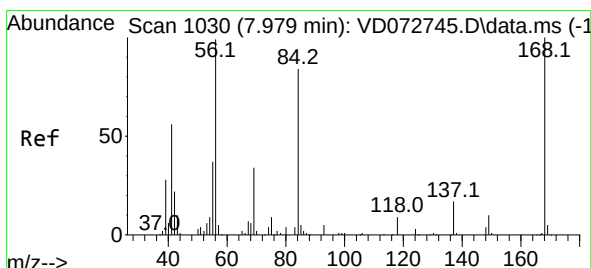
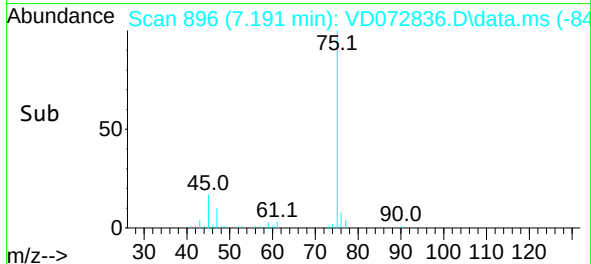
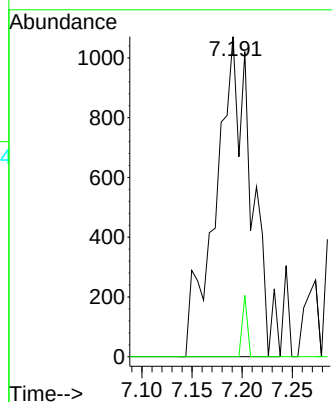
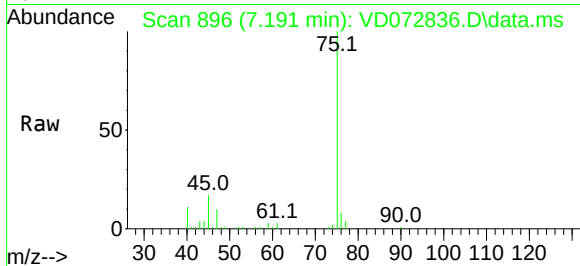




#25
2-Butanone
Concen: 1.855 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

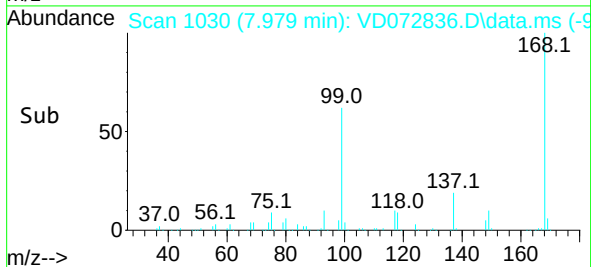
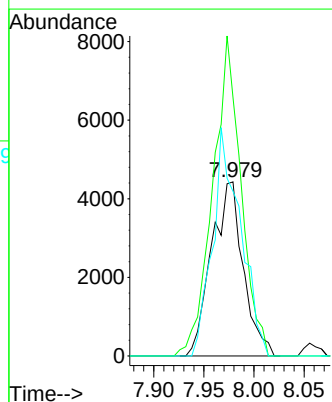
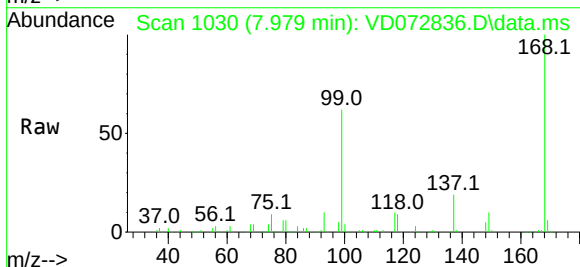
Instrument :
MSVOA_D
ClientSampleId :
B5-0-2

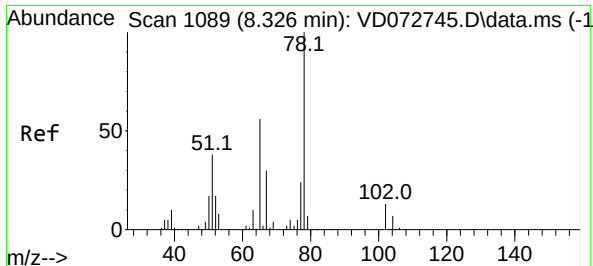
Tgt Ion: 43 Resp: 2667
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

Tgt Ion: 56 Resp: 9726
Ion Ratio Lower Upper
56 100
69 148.4 25.4 38.2#
84 94.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.056 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072836.D

Acq: 06 May 2022 05:06

Instrument :

MSVOA_D

ClientSampleId :

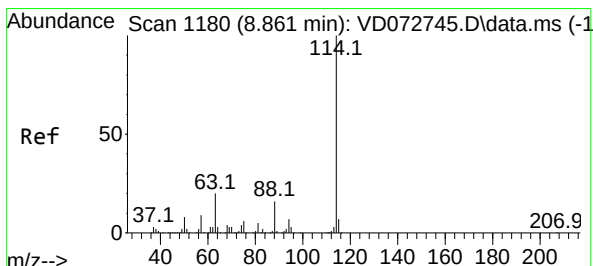
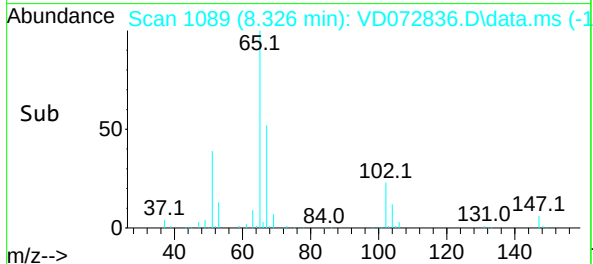
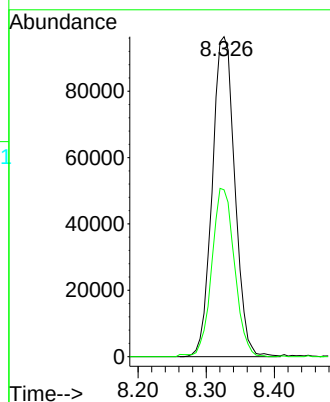
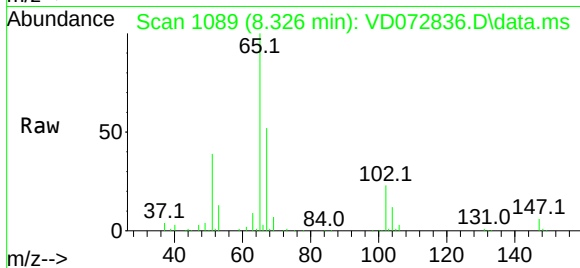
B5-0-2

Tgt Ion: 65 Resp: 222307

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: VD072836.D

Acq: 06 May 2022 05:06

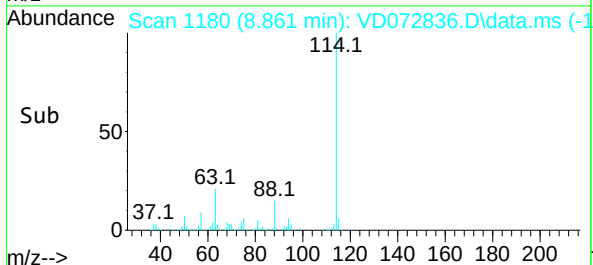
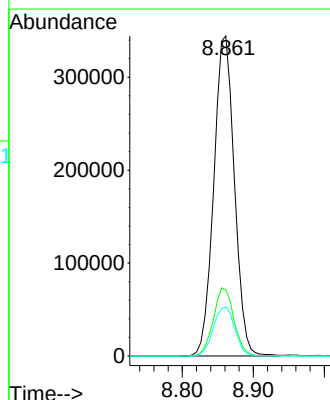
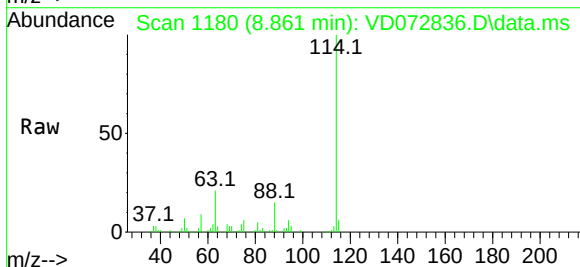
Tgt Ion: 114 Resp: 693776

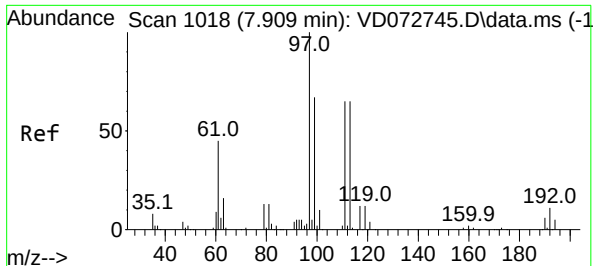
Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.615 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072836.D

Acq: 06 May 2022 05:06

Instrument :

MSVOA_D

ClientSampleId :

B5-0-2

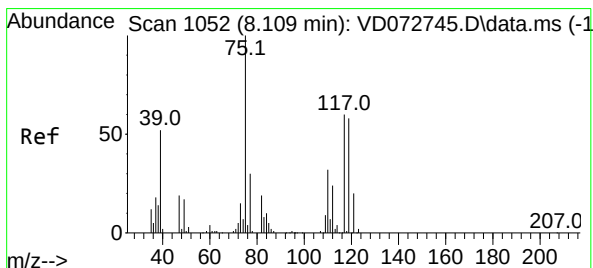
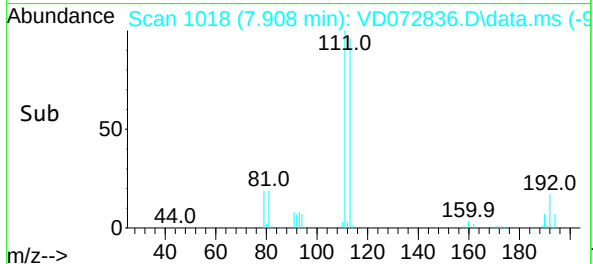
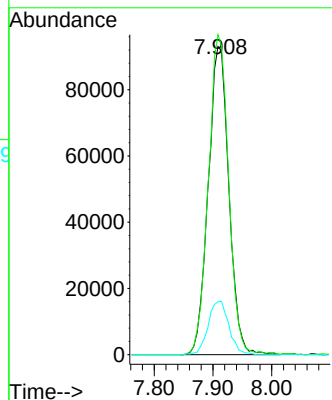
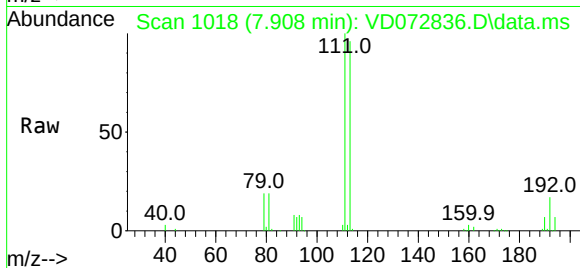
Tgt Ion:113 Resp: 227131

Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 17.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.209 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072836.D

Acq: 06 May 2022 05:06

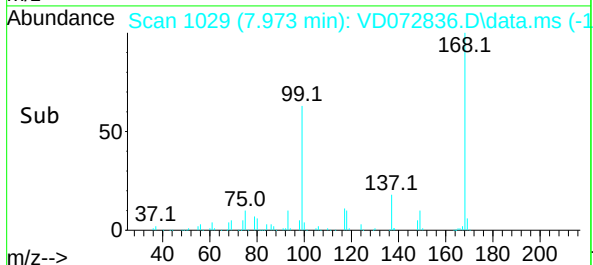
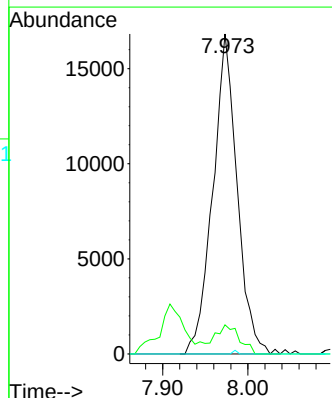
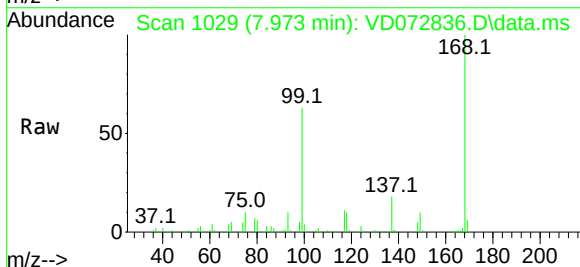
Tgt Ion: 75 Resp: 33344

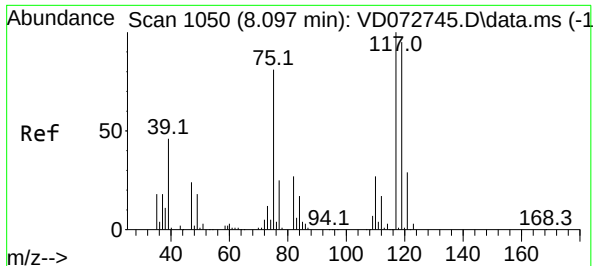
Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.1#

77 0.2 24.2 36.2#

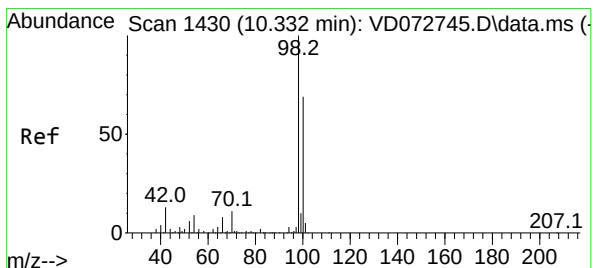
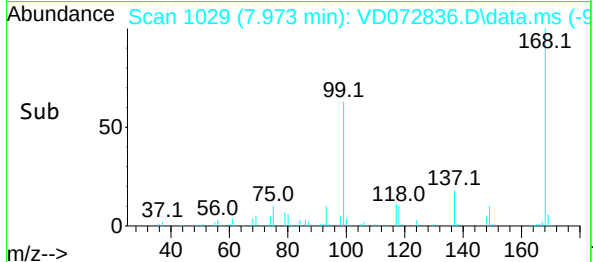
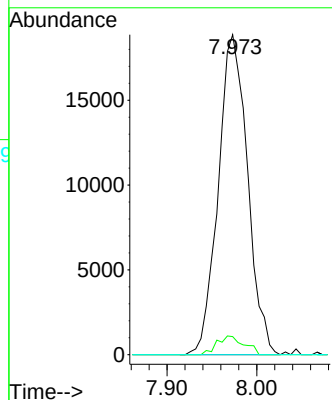
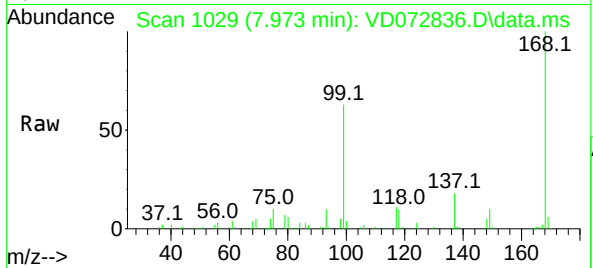




#38
Carbon Tetrachloride
Concen: 5.198 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

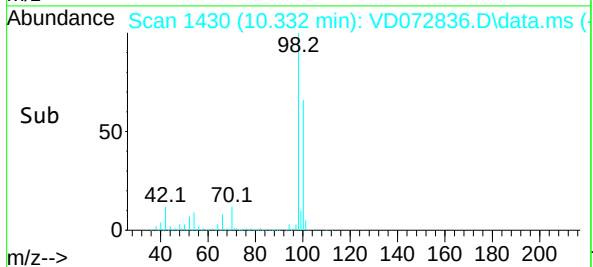
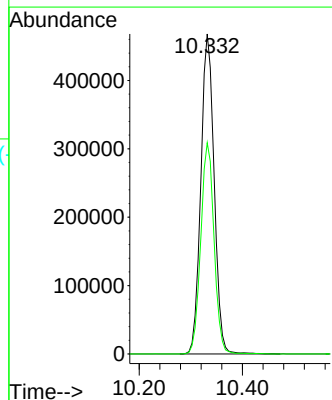
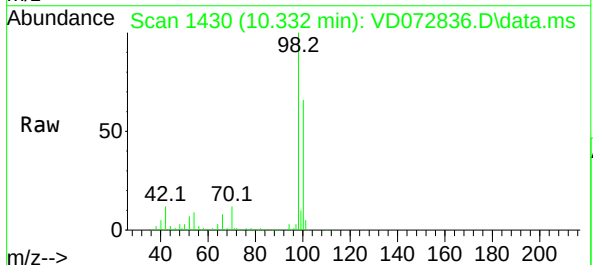
Instrument :
MSVOA_D
ClientSampleId :
B5-0-2

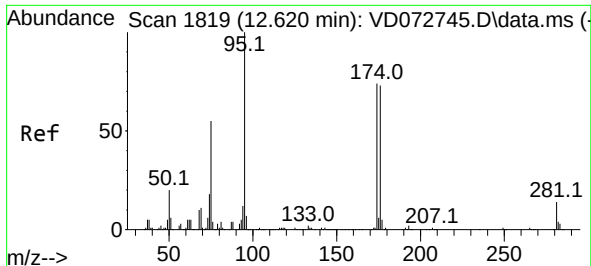
Tgt Ion:117 Resp: 42746
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.837 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

Tgt Ion: 98 Resp: 836097
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

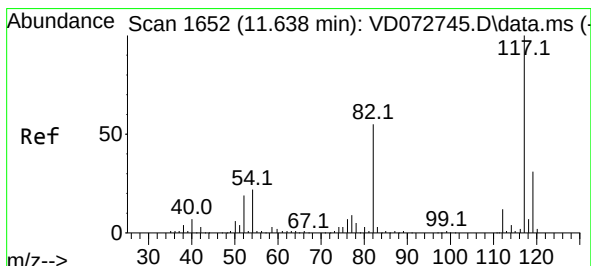
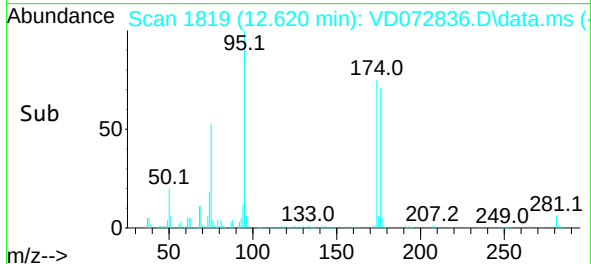
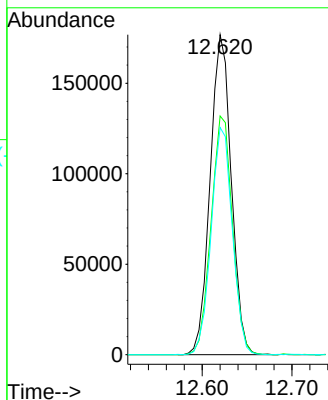
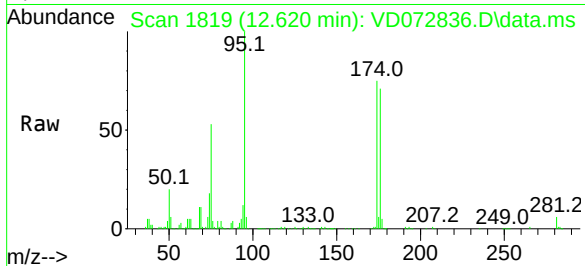




#62
4-Bromofluorobenzene
Concen: 44.392 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

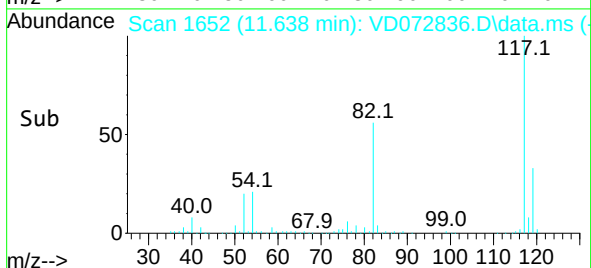
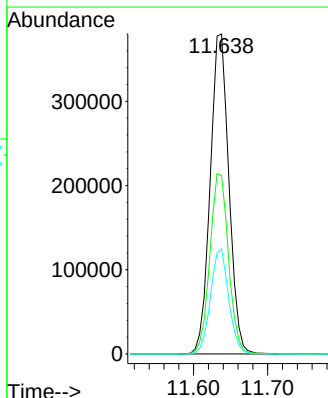
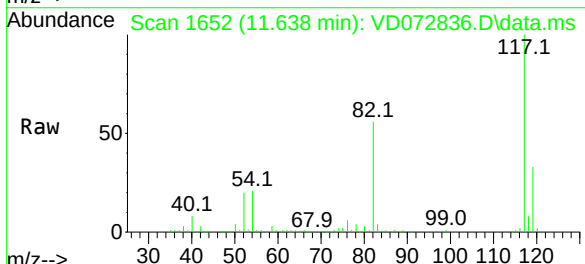
Instrument :
MSVOA_D
ClientSampleId :
B5-0-2

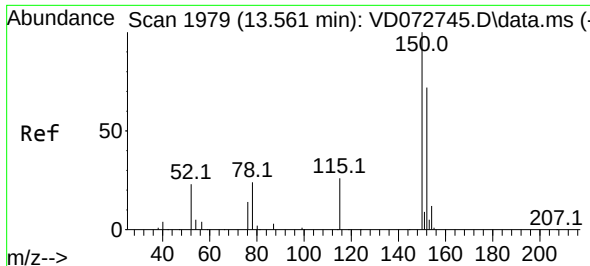
Tgt Ion: 95 Resp: 289305
Ion Ratio Lower Upper
95 100
174 75.6 0.0 152.8
176 71.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072836.D
Acq: 06 May 2022 05:06

Tgt Ion: 117 Resp: 665217
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 32.9 26.6 40.0

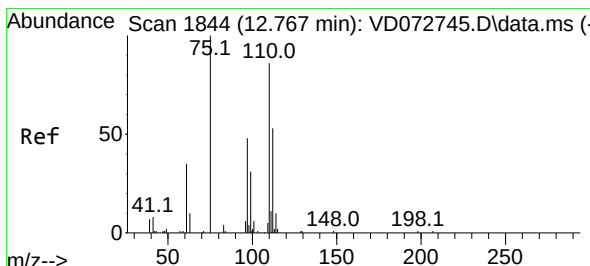
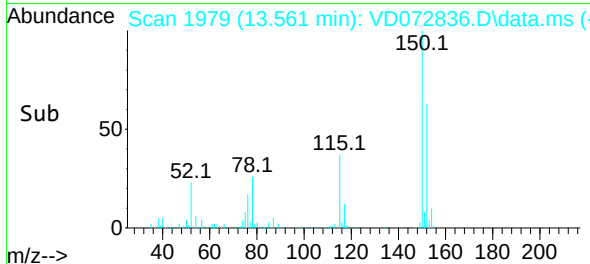
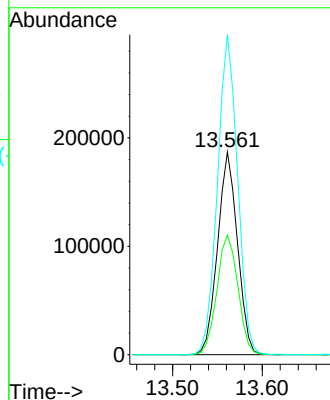
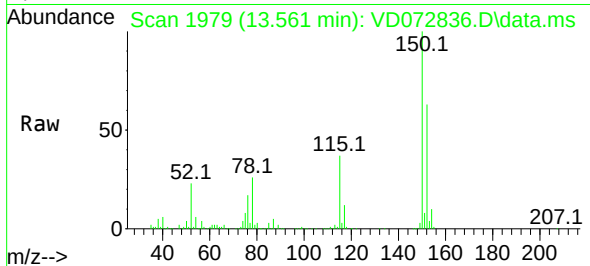




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD072836.D
 Acq: 06 May 2022 05:06

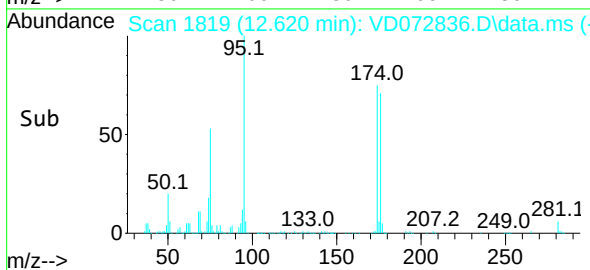
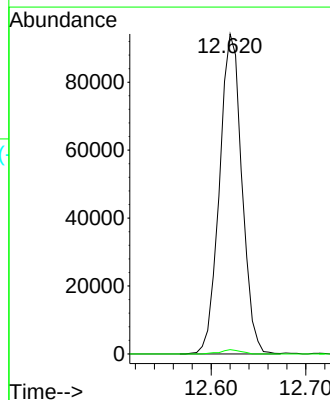
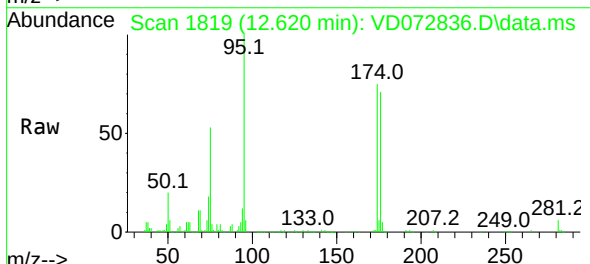
Instrument :
 MSVOA_D
 ClientSampleId :
 B5-0-2

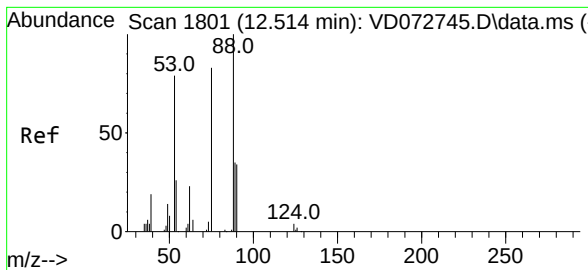
Tgt Ion:152 Resp: 287920
 Ion Ratio Lower Upper
 152 100
 115 62.2 31.3 93.8
 150 159.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 48.312 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072836.D
 Acq: 06 May 2022 05:06

Tgt Ion: 75 Resp: 155106
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.098 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072836.D
 Acq: 06 May 2022 05:06

Instrument :
 MSVOA_D
 ClientSampleId :
 B5-0-2

Tgt Ion: 75 Resp: 155106
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.5 129.7#
 89 0.0 33.9 50.9#

