

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053122\
 Data File : VD073436.D
 Acq On : 31 May 2022 20:42
 Operator : VA/SY
 Sample : N3109-06
 Misc : 4.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 01 01:40:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

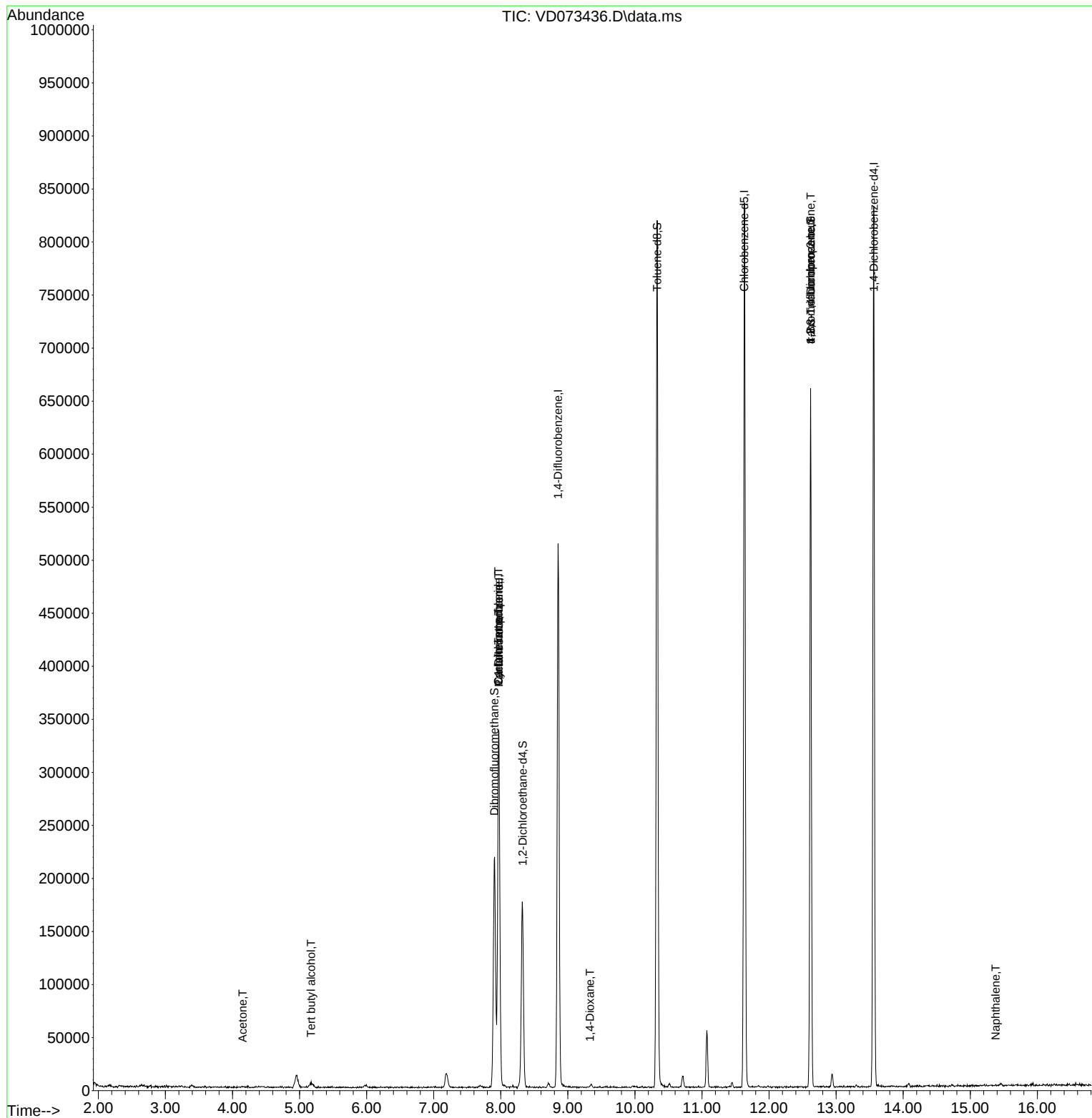
Internal Standards						
1) Pentafluorobenzene	7.973	168	249526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	443121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	487371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	218420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	137591	49.895	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.780%			
35) Dibromofluoromethane	7.902	113	155619	53.221	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.440%			
50) Toluene-d8	10.332	98	554162	51.413	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.620	95	210182	55.565	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.120%			
Target Compounds						
5) Bromomethane	2.779	94	325	Below Cal	Qvalue 93	
11) Tert butyl alcohol	5.173	59	4339	10.142 ug/l #	74	
13) Acrolein	4.003	56	53	Below Cal #	14	
16) Acetone	4.150	43	1053	2.205 ug/l #	59	
20) Methylene Chloride	4.950	84	9277	Below Cal #	72	
31) Cyclohexane	7.967	56	5782	1.200 ug/l #	1	
36) 1,1-Dichloropropene	7.967	75	19546	4.445 ug/l #	53	
38) Carbon Tetrachloride	7.967	117	25215	5.656 ug/l #	18	
49) 1,4-Dioxane	9.332	88	56	3.093 ug/l #	21	
76) 1,2,3-Trichloropropane	12.620	75	106737	49.805 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.620	75	106737	119.568 ug/l #	7	
95) Naphthalene	15.379	128	441	3.599 ug/l #	70	

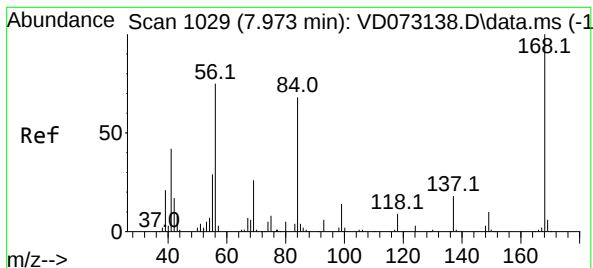
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053122\
Data File : VD073436.D
Acq On : 31 May 2022 20:42
Operator : VA/SY
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Misc : 4.88G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

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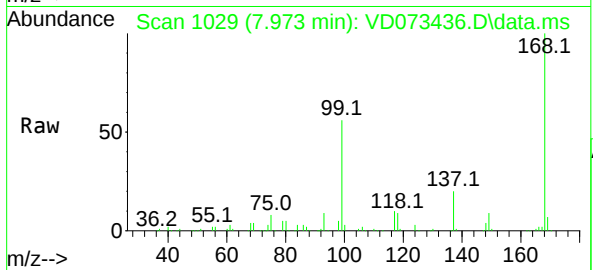
Quant Time: Jun 01 01:40:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
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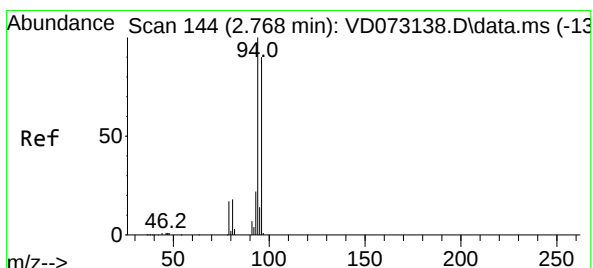
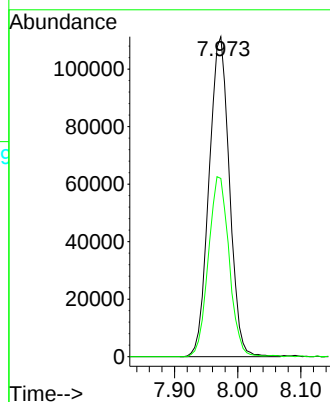
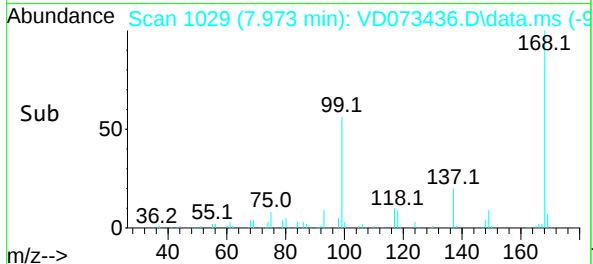


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073436.D
Acq: 31 May 2022 20:42

Instrument :
MSVOA_D
ClientSampleId :

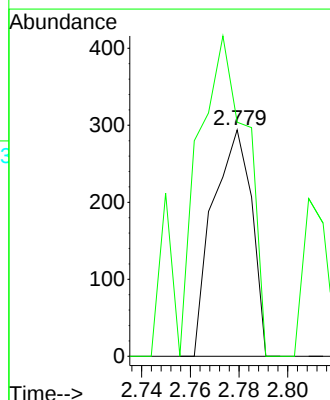
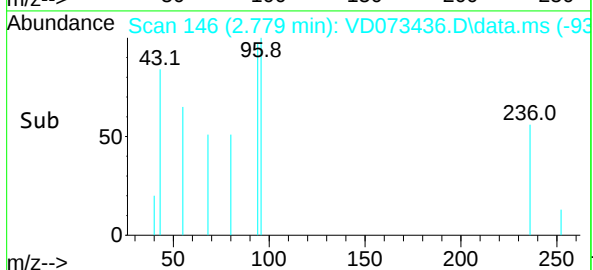
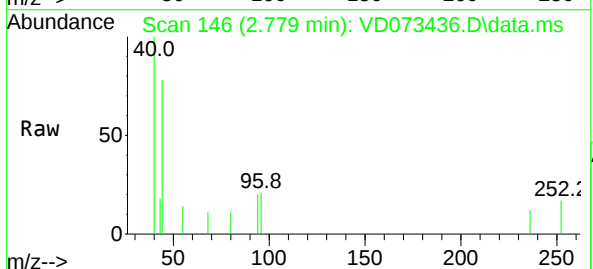


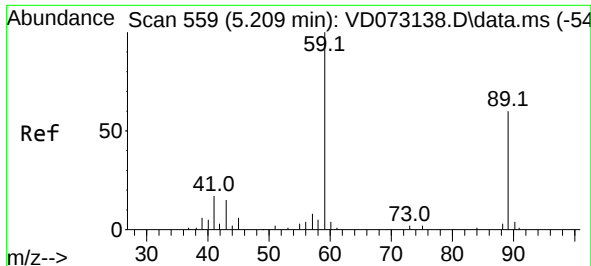
Tgt Ion:168 Resp: 249526
Ion Ratio Lower Upper
168 100
99 55.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073436.D
Acq: 31 May 2022 20:42

Tgt Ion: 94 Resp: 325
Ion Ratio Lower Upper
94 100
96 103.4 77.6 116.4





#11

Tert butyl alcohol

Concen: 10.142 ug/l

RT: 5.173 min Scan# 51

Delta R.T. -0.036 min

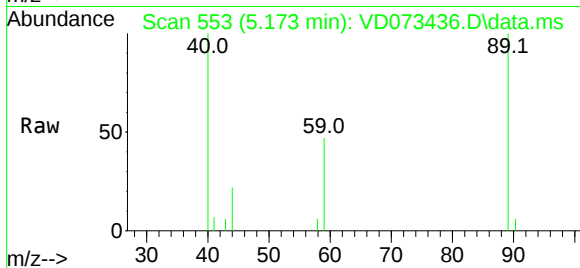
Lab File: VD073436.D

Acq: 31 May 2022 20:42

Instrument :

MSVOA_D

ClientSampleId :

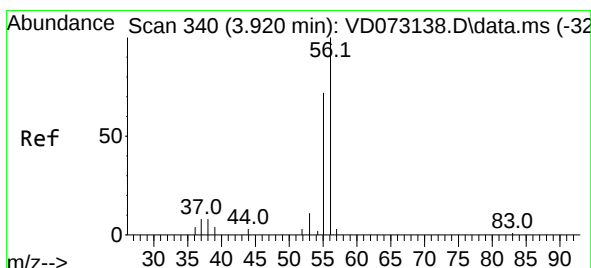
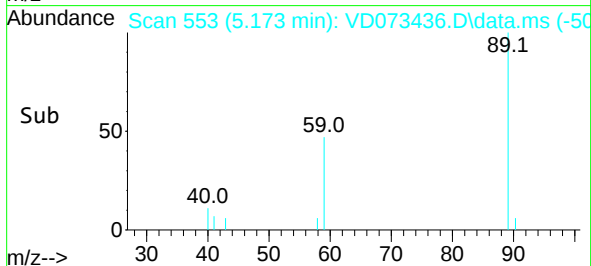
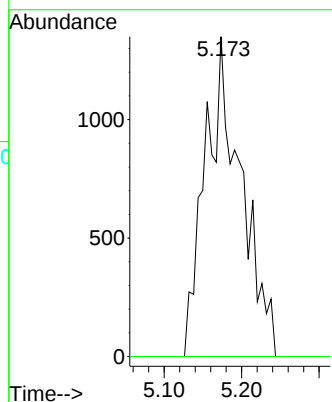


Tgt Ion: 59 Resp: 4339

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#13

Acrolein

Concen: Below Cal

RT: 4.003 min Scan# 354

Delta R.T. 0.083 min

Lab File: VD073436.D

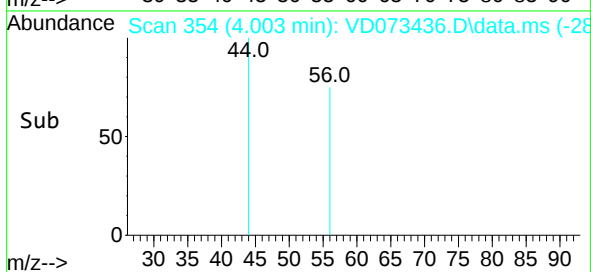
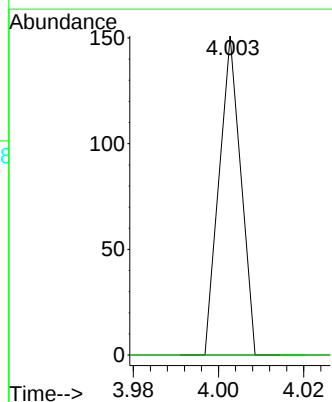
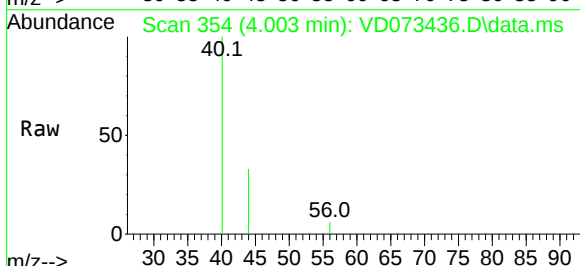
Acq: 31 May 2022 20:42

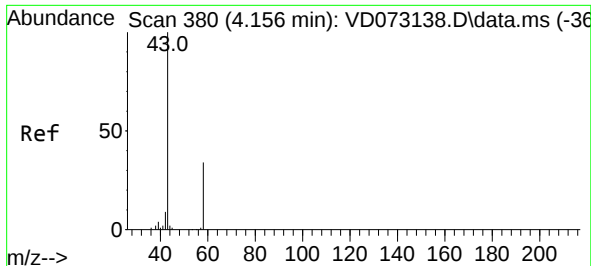
Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

56 100

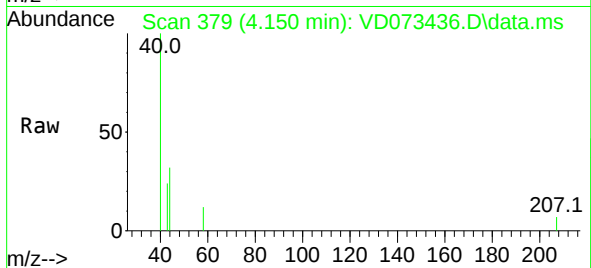
55 0.0 57.1 85.7#



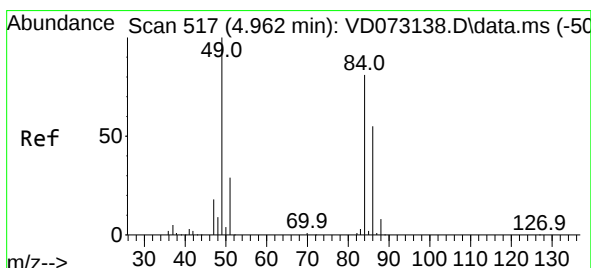
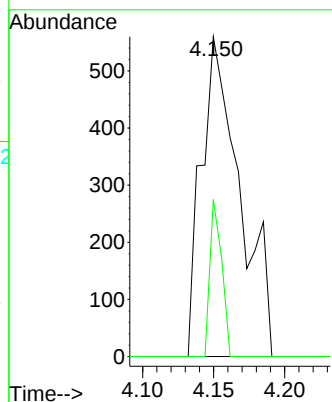
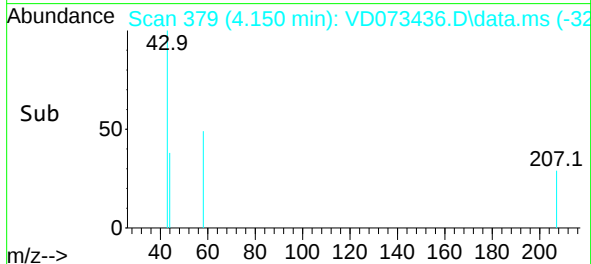


#16
Acetone
Concen: 2.205 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073436.D
Acq: 31 May 2022 20:42

Instrument :
MSVOA_D
ClientSampleId :

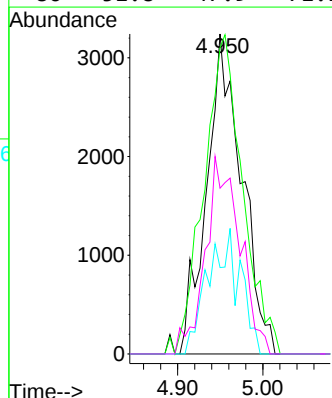
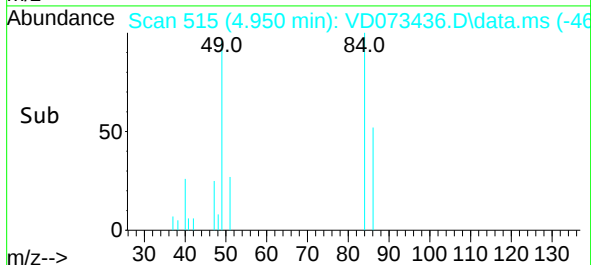
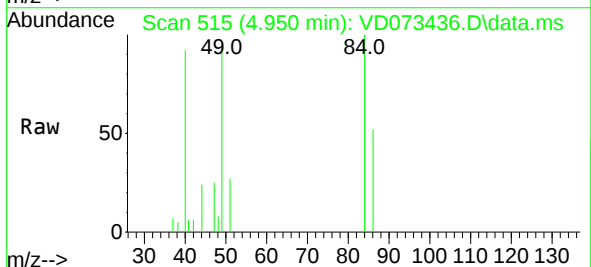


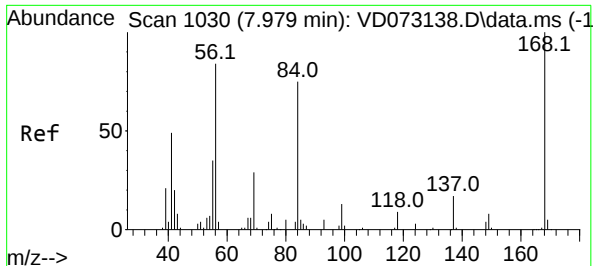
Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
58 49.1 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD073436.D
Acq: 31 May 2022 20:42

Tgt Ion: 84 Resp: 9277
Ion Ratio Lower Upper
84 100
49 95.7 112.8 169.2#
51 27.0 32.6 48.8#
86 51.8 47.9 71.9





#31

Cyclohexane

Concen: 1.200 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

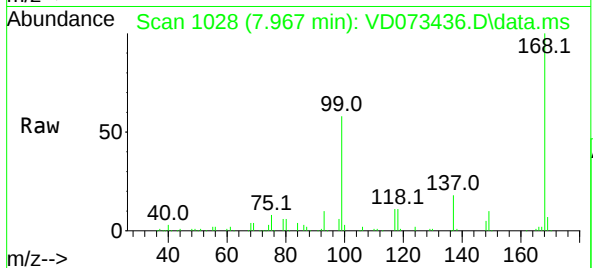
Lab File: VD073436.D

Acq: 31 May 2022 20:42

Instrument :

MSVOA_D

ClientSampleId :



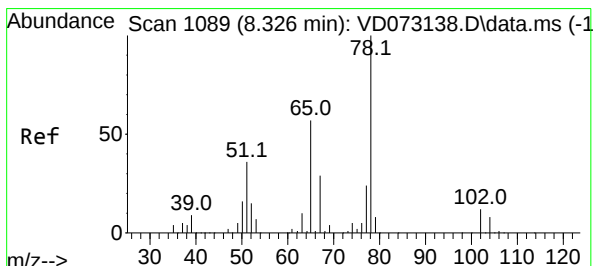
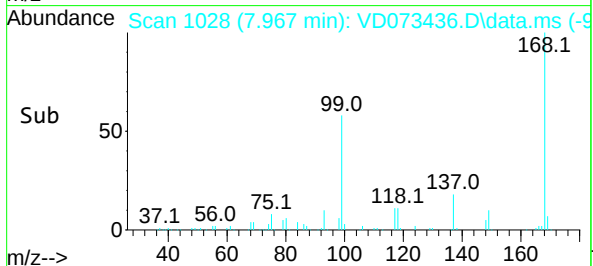
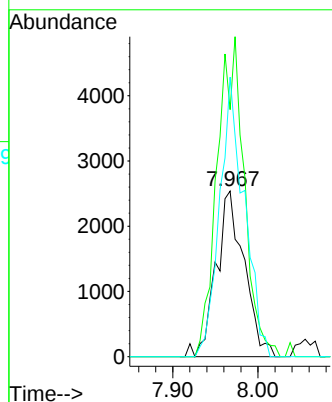
Tgt Ion: 56 Resp: 5782

Ion Ratio Lower Upper

56 100

69 149.2 25.4 38.2#

84 168.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 49.895 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073436.D

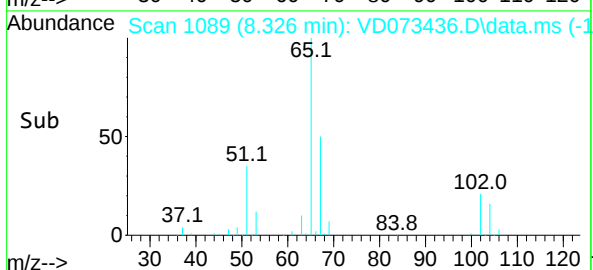
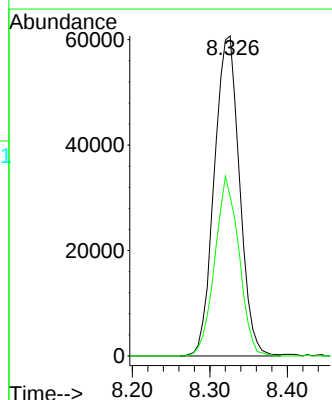
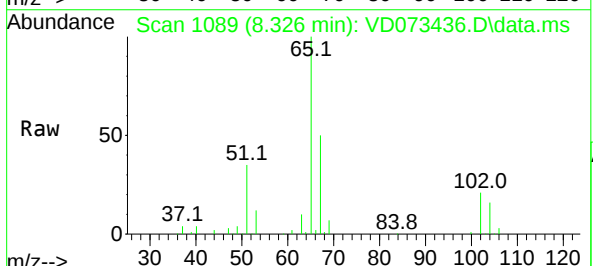
Acq: 31 May 2022 20:42

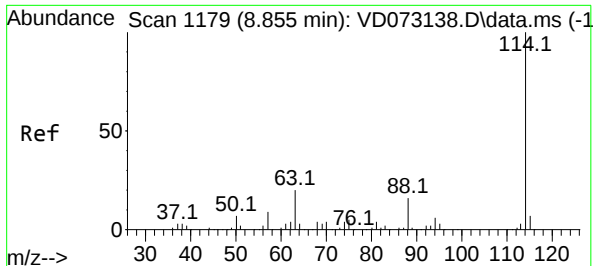
Tgt Ion: 65 Resp: 137591

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073436.D

Acq: 31 May 2022 20:42

Instrument :

MSVOA_D

ClientSampleId :

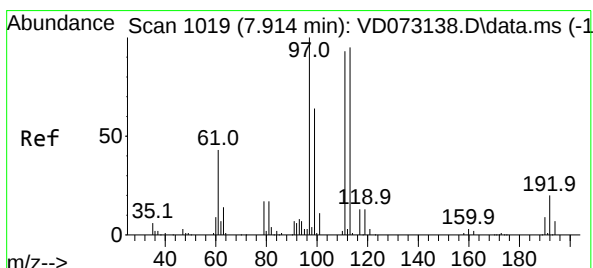
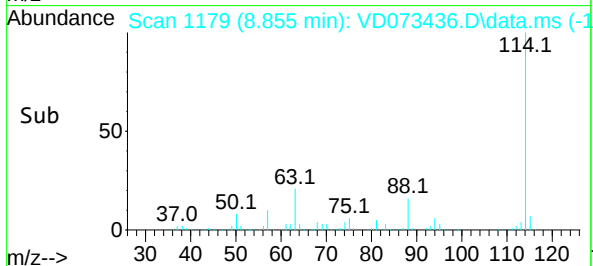
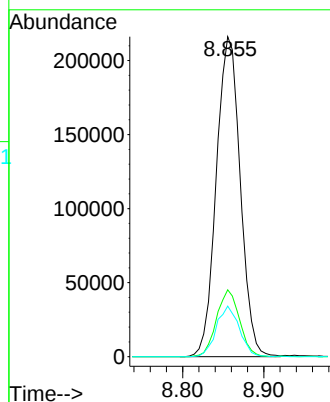
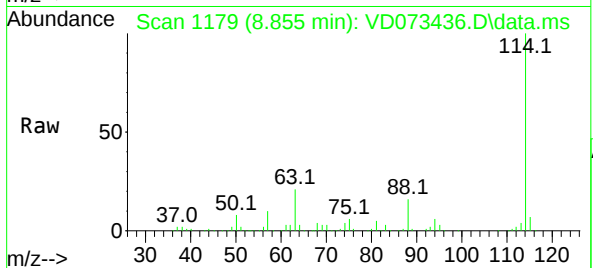
Tgt Ion:114 Resp: 443121

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.221 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.012 min

Lab File: VD073436.D

Acq: 31 May 2022 20:42

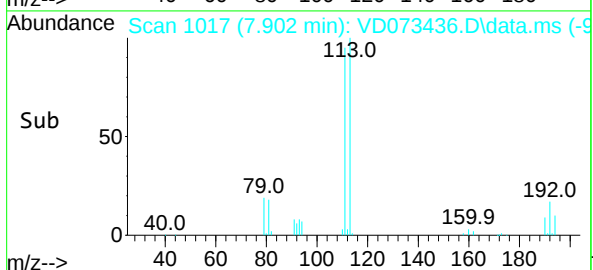
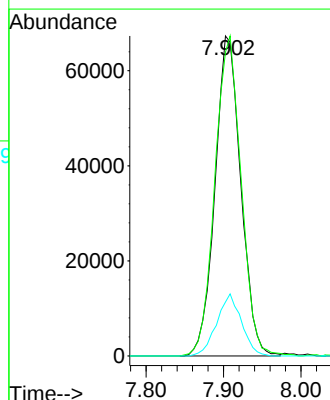
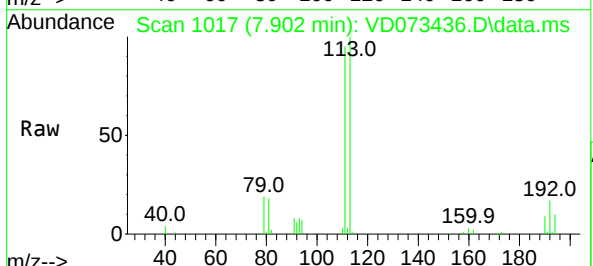
Tgt Ion:113 Resp: 155619

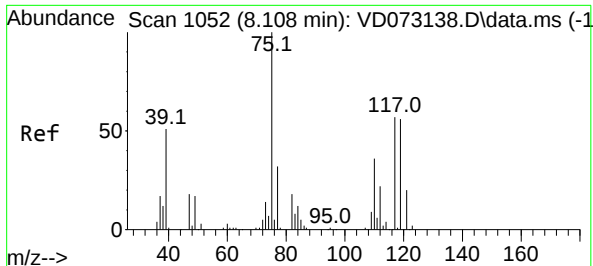
Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.445 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

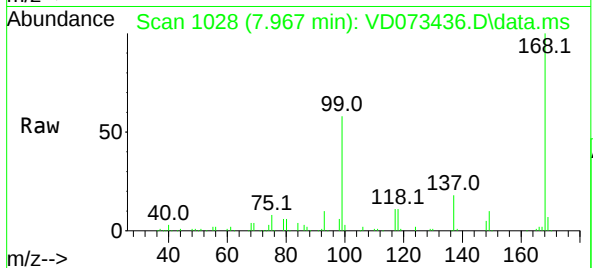
Lab File: VD073436.D

Acq: 31 May 2022 20:42

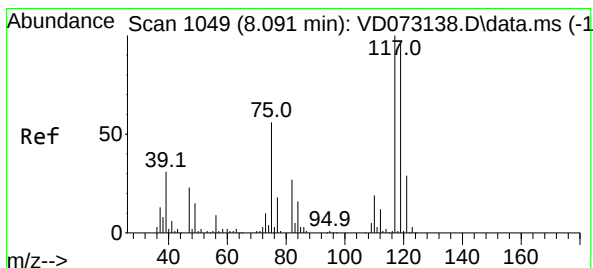
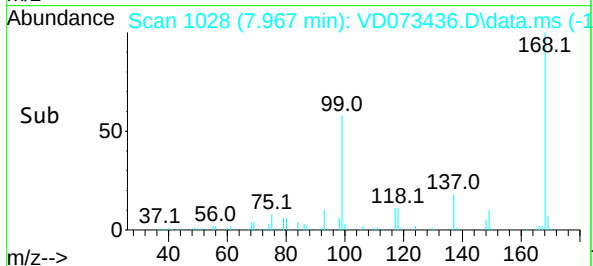
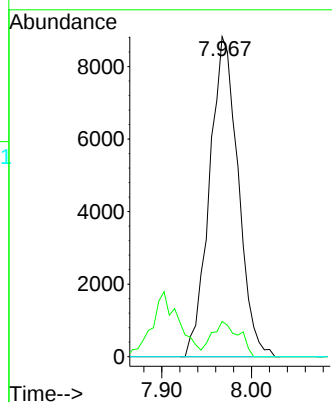
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 19546
Ion Ratio	Lower Upper
75	100
110	10.3 16.4 49.1#
77	0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.656 ug/l

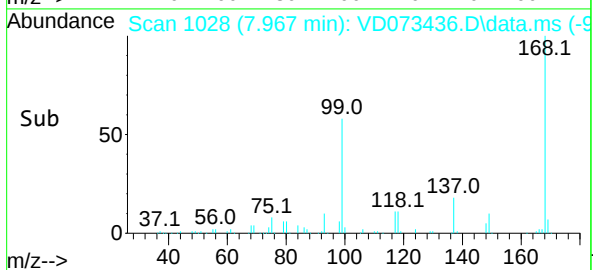
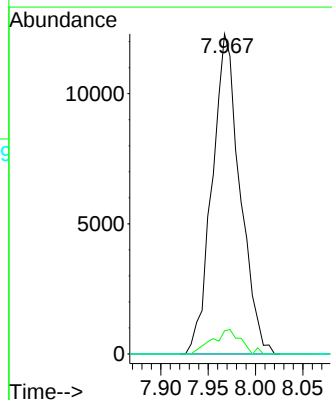
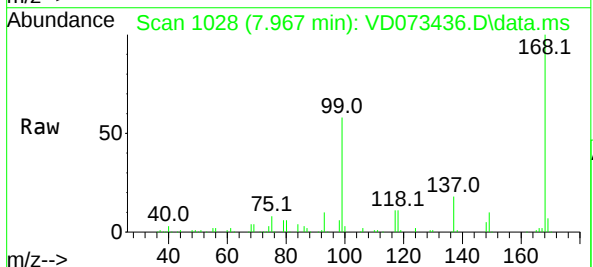
RT: 7.967 min Scan# 1028

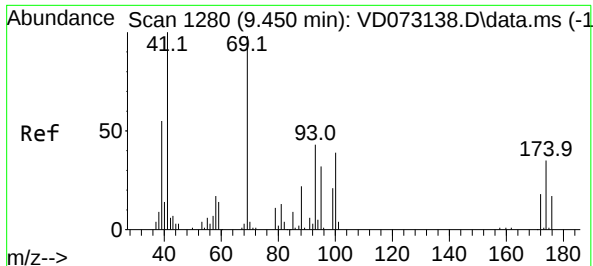
Delta R.T. -0.124 min

Lab File: VD073436.D

Acq: 31 May 2022 20:42

Tgt Ion: 117	Resp: 25215
Ion Ratio	Lower Upper
117	100
119	7.2 75.8 113.6#
121	0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 3.093 ug/l

RT: 9.332 min Scan# 1260

Delta R.T. -0.118 min

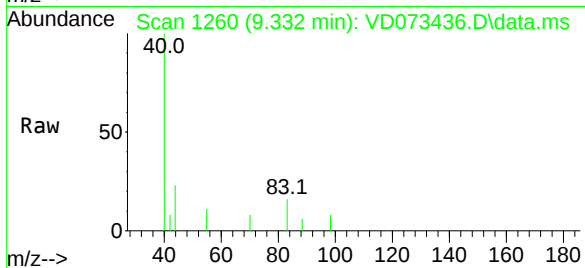
Lab File: VD073436.D

Acq: 31 May 2022 20:42

Instrument :

MSVOA_D

ClientSampleId :



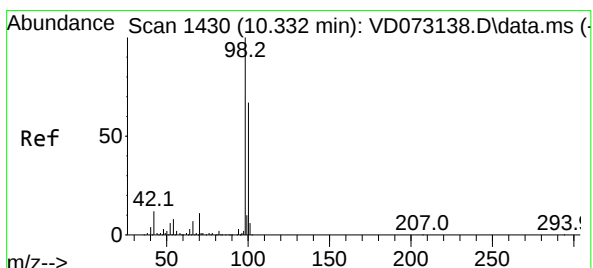
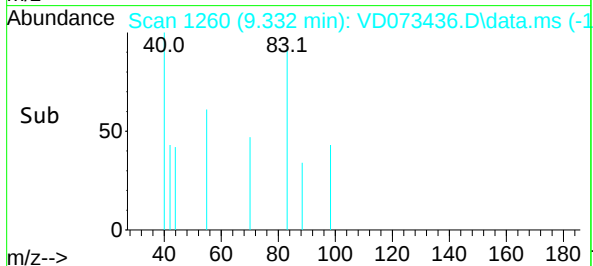
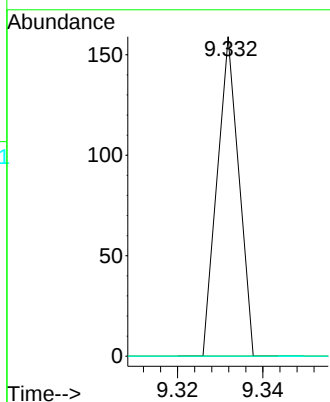
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 0.0 58.1 87.1#



#50

Toluene-d8

Concen: 51.413 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073436.D

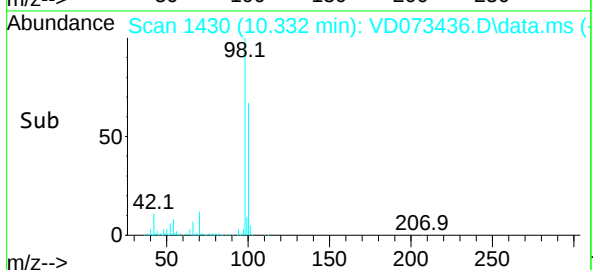
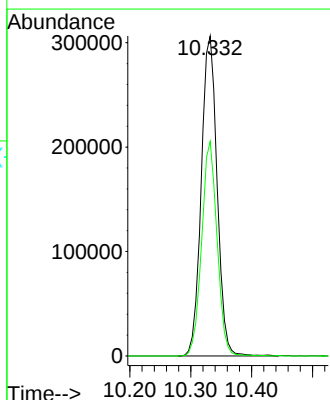
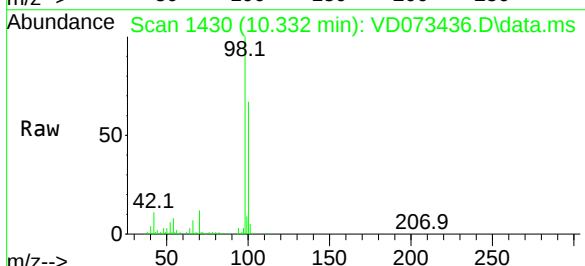
Acq: 31 May 2022 20:42

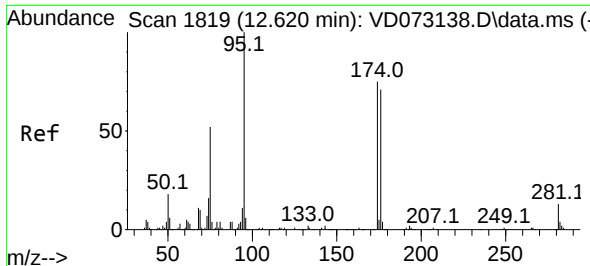
Tgt Ion: 98 Resp: 554162

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6

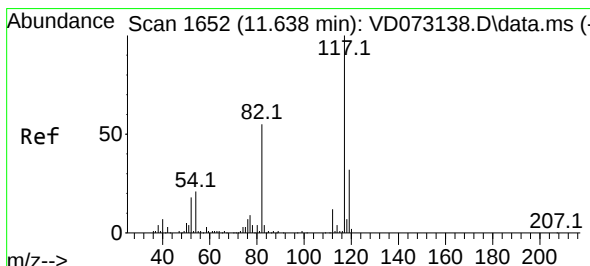
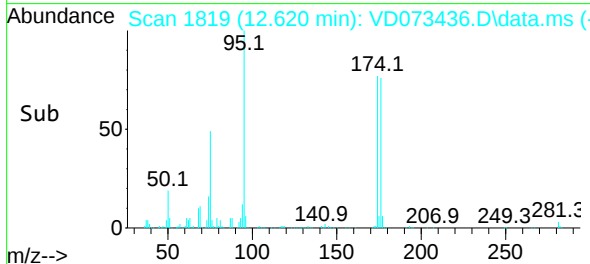
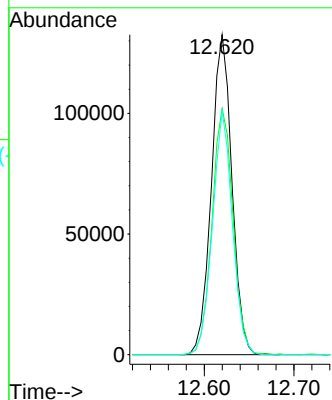
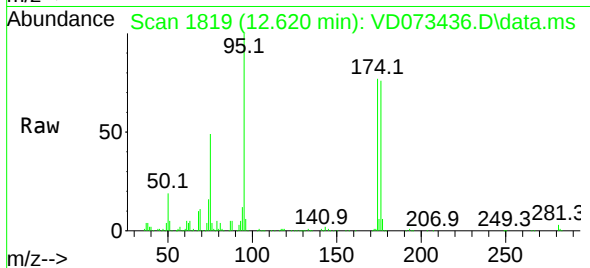




#62
4-Bromofluorobenzene
Concen: 55.565 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073436.D
Acq: 31 May 2022 20:42

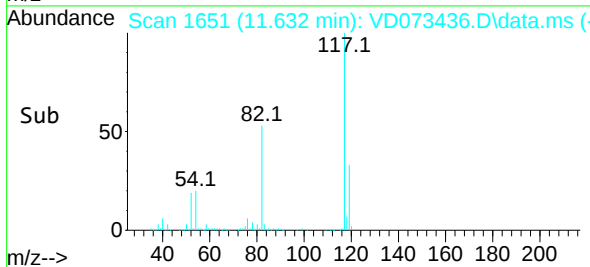
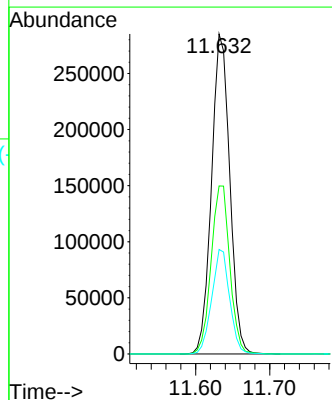
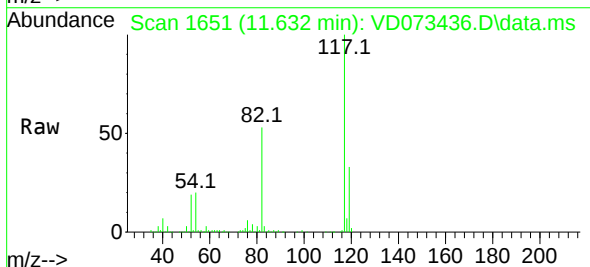
Instrument :
MSVOA_D
ClientSampleId :

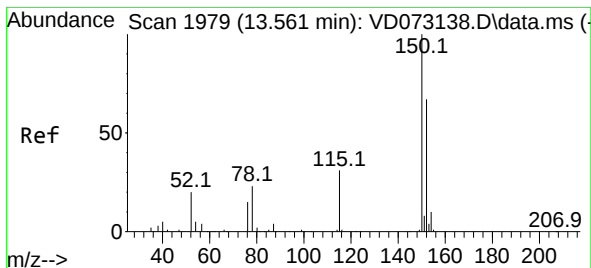
Tgt Ion: 95 Resp: 210182
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.8
176 74.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073436.D
Acq: 31 May 2022 20:42

Tgt Ion: 117 Resp: 487371
Ion Ratio Lower Upper
117 100
82 52.5 45.3 67.9
119 32.7 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

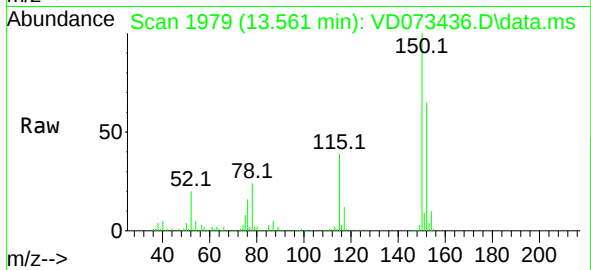
Lab File: VD073436.D

Acq: 31 May 2022 20:42

Instrument :

MSVOA_D

ClientSampleId :



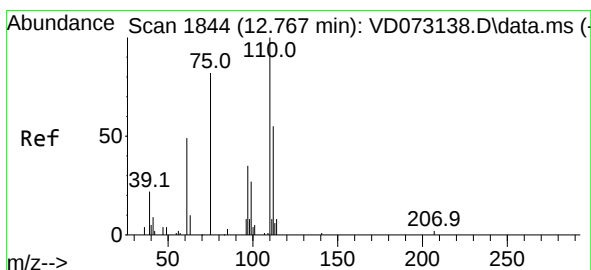
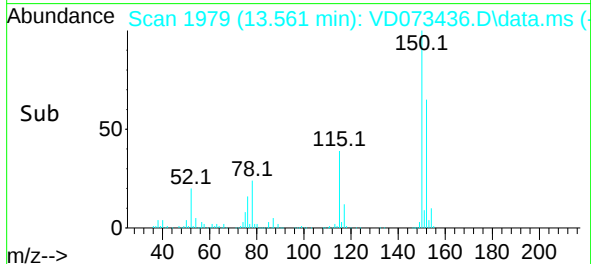
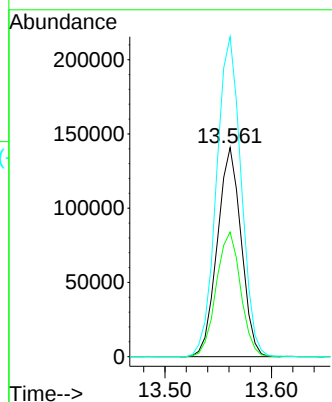
Tgt Ion:152 Resp: 218420

Ion Ratio Lower Upper

152 100

115 61.0 31.3 93.8

150 158.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 49.805 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073436.D

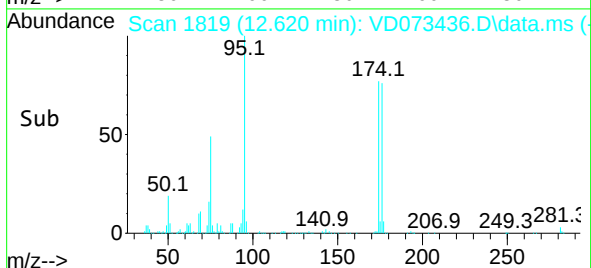
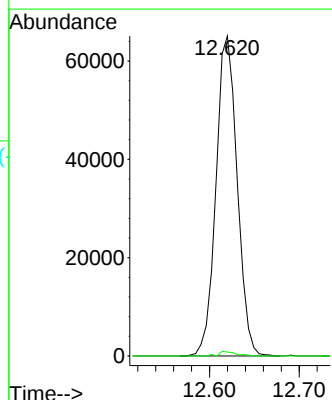
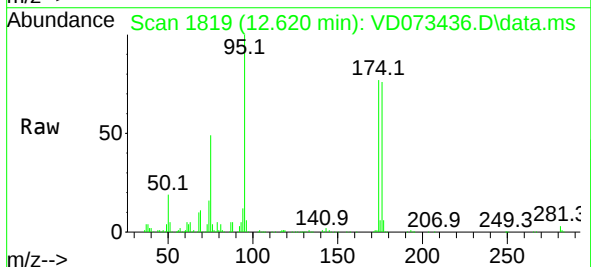
Acq: 31 May 2022 20:42

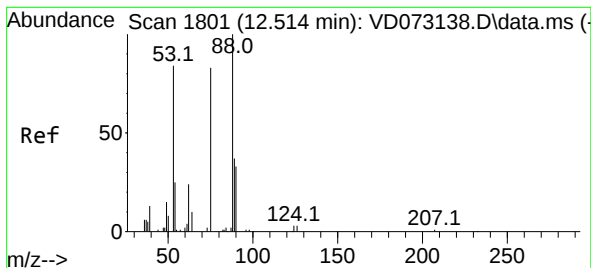
Tgt Ion: 75 Resp: 106737

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

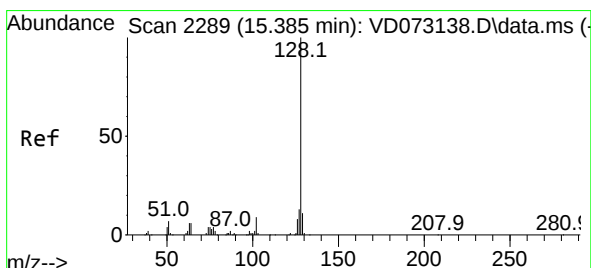
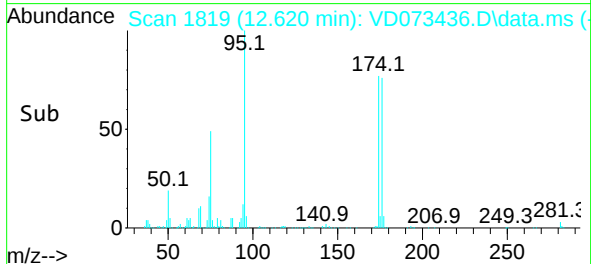
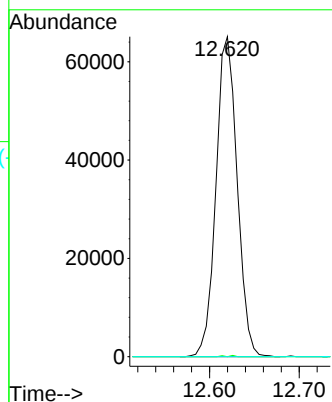
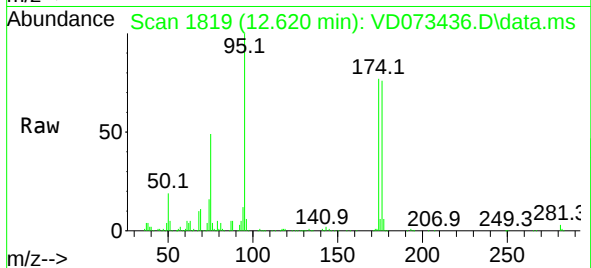




#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.568 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073436.D
 Acq: 31 May 2022 20:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 106737
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 33.9 50.9#



#95
 Naphthalene
 Concen: 3.599 ug/l
 RT: 15.379 min Scan# 2288
 Delta R.T. -0.006 min
 Lab File: VD073436.D
 Acq: 31 May 2022 20:42

Tgt Ion: 128 Resp: 441
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.4 12.6#

