

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072849.D
 Acq On : 06 May 2022 14:06
 Operator : VA/SY
 Sample : N2669-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-050322

Quant Time: May 06 14:43:26 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)

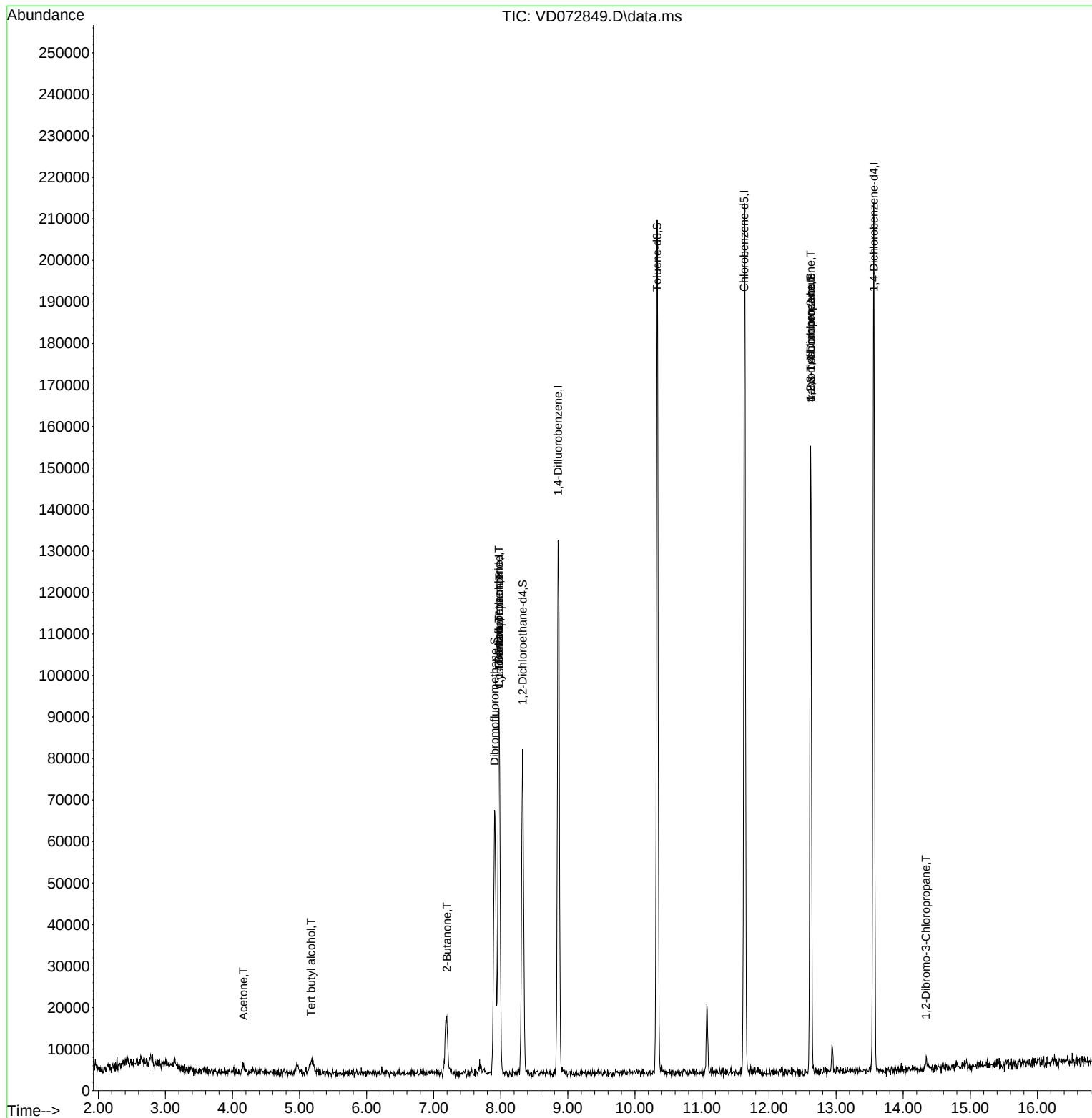
Internal Standards						
1) Pentafluorobenzene	7.973	168	62832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	108606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	119464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	53284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	59665	73.154	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.300%	
35) Dibromofluoromethane	7.908	113	45353	59.460	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.920%	
50) Toluene-d8	10.332	98	132873	48.564	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.120%	
62) 4-Bromofluorobenzene	12.620	95	52498	51.458	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.920%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	734	Below Cal	#	45
11) Tert butyl alcohol	5.173	59	3039	43.065	ug/l #	74
13) Acrolein	3.791	56	69	Below Cal	#	14
16) Acetone	4.162	43	3205	7.469	ug/l #	76
18) Methyl Acetate	4.697	43	55	Below Cal	#	55
20) Methylene Chloride	4.979	84	1491	Below Cal	#	45
25) 2-Butanone	7.197	43	463	1.948	ug/l #	52
31) Cyclohexane	7.979	56	1623	1.138	ug/l #	2
36) 1,1-Dichloropropene	7.979	75	5654	4.559	ug/l #	49
38) Carbon Tetrachloride	7.973	117	6050	4.699	ug/l #	20
76) 1,2,3-Trichloropropane	12.620	75	26272	44.218	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	26272	101.683	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.337	75	301	2.269	ug/l #	6

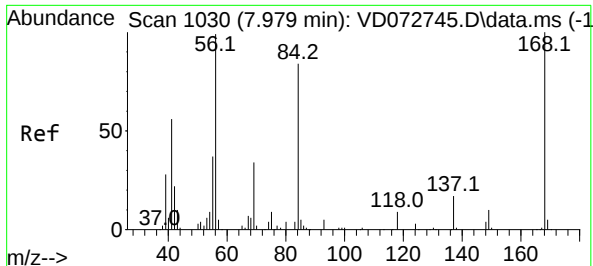
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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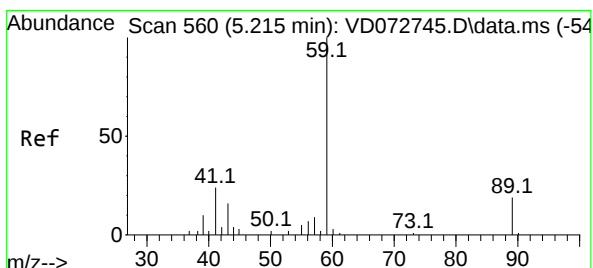
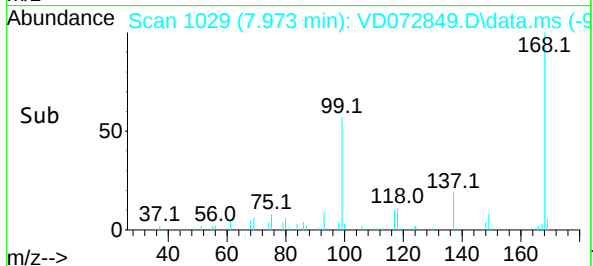
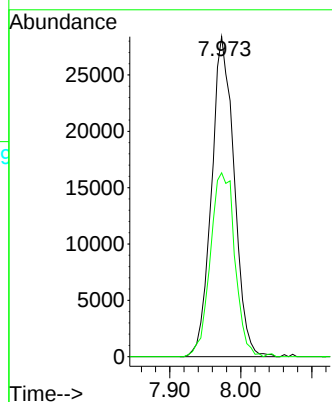
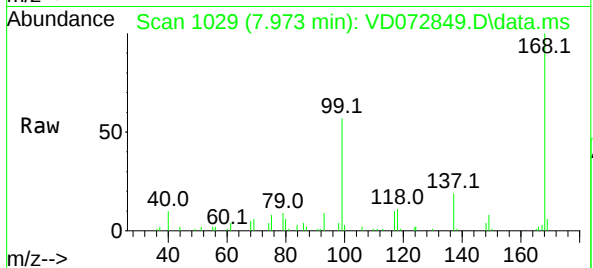




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

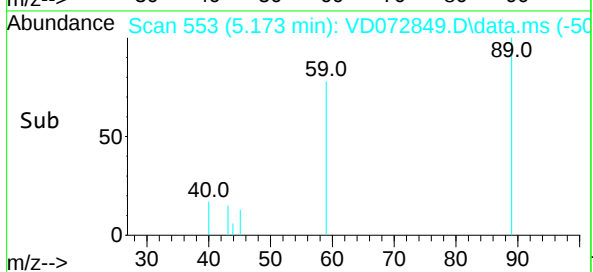
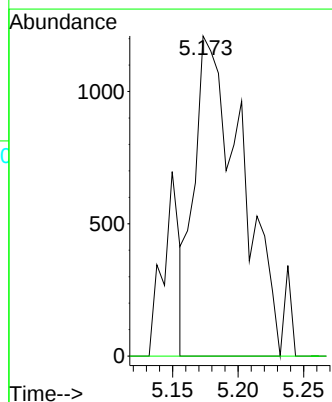
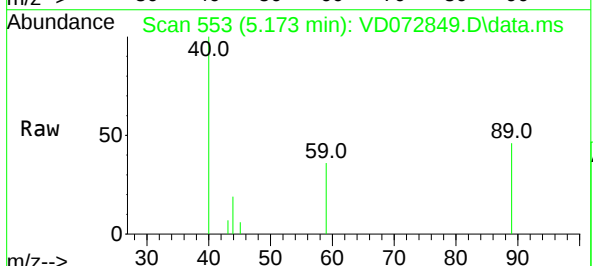
Instrument :
MSVOA_D
ClientSampleId :
OR-03-050322

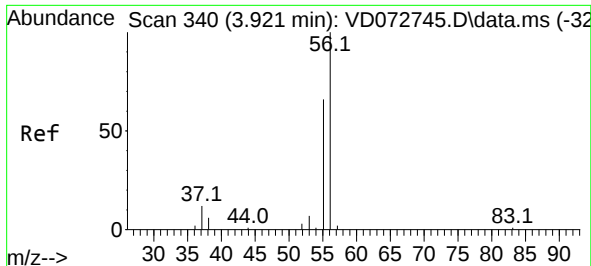
Tgt Ion:168 Resp: 62832
Ion Ratio Lower Upper
168 100
99 57.4 49.8 74.6



#11
Tert butyl alcohol
Concen: 43.065 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.042 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

Tgt Ion: 59 Resp: 3039
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

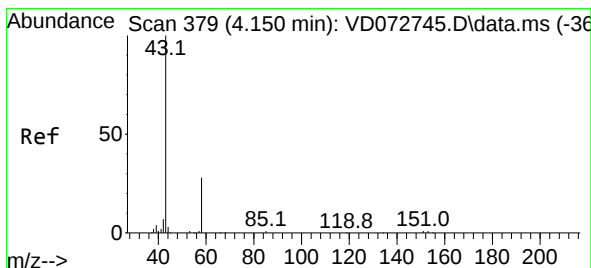
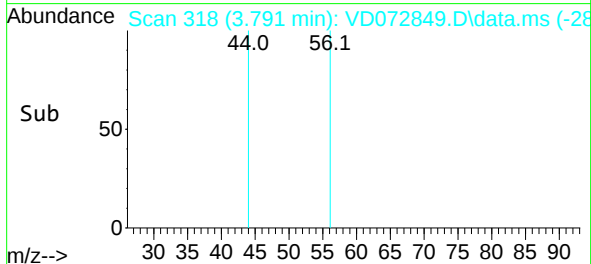
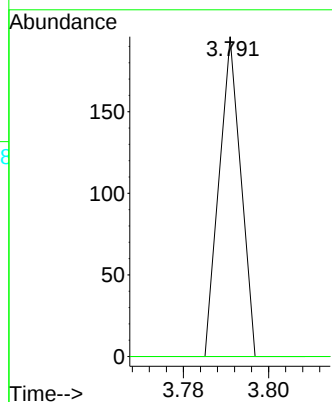
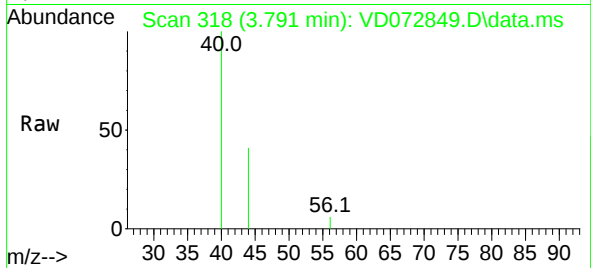




#13
Acrolein
Concen: Below Cal
RT: 3.791 min Scan# 31
Delta R.T. -0.130 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

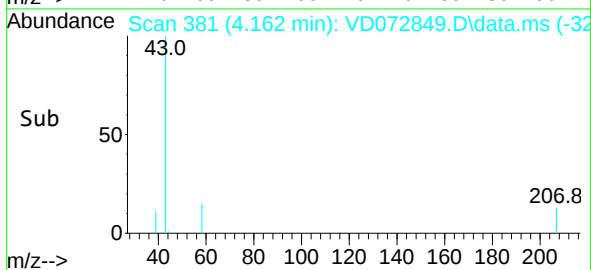
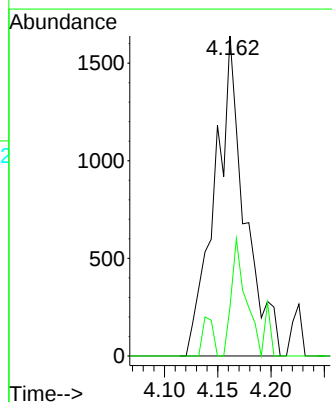
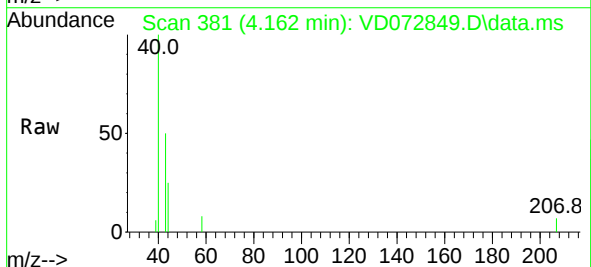
Instrument :
MSVOA_D
ClientSampleId :
OR-03-050322

Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 7.469 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.011 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

Tgt Ion: 43 Resp: 3205
Ion Ratio Lower Upper
43 100
58 15.2 22.1 33.1#



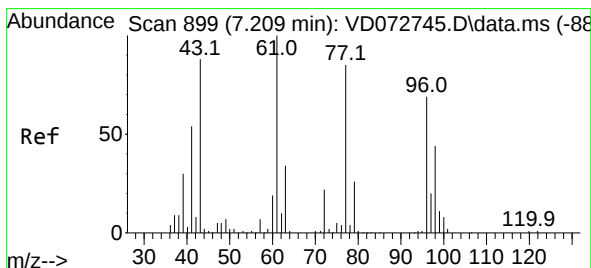
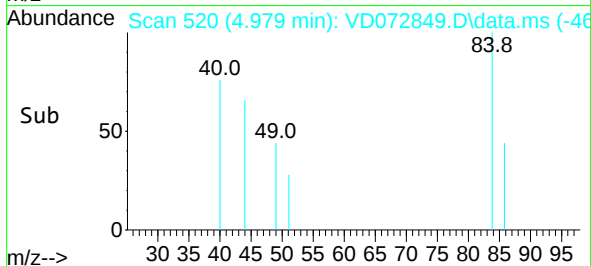
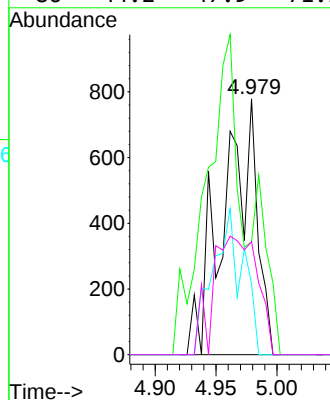
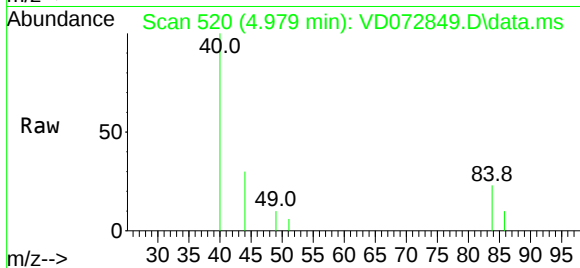


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 51
Delta R.T. 0.017 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

Instrument :
MSVOA_D
ClientSampleId :
OR-03-050322

Tgt Ion: 84 Resp: 1491

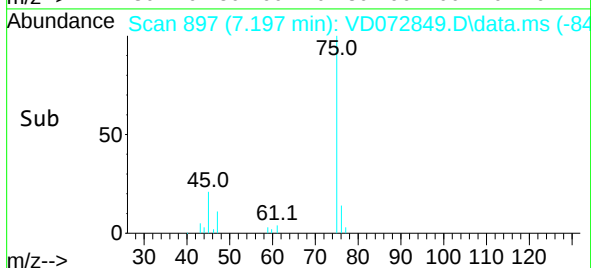
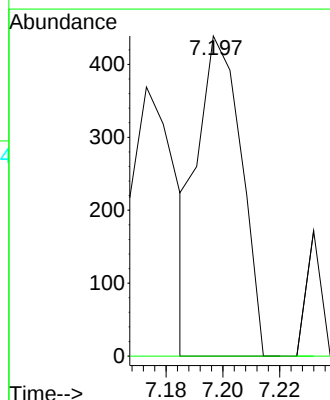
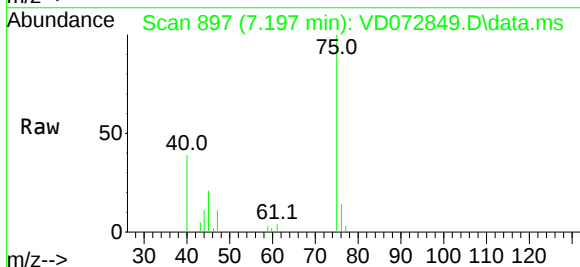
Ion	Ratio	Lower	Upper
84	100		
49	44.2	112.8	169.2#
51	27.7	32.6	48.8#
86	44.2	47.9	71.9#

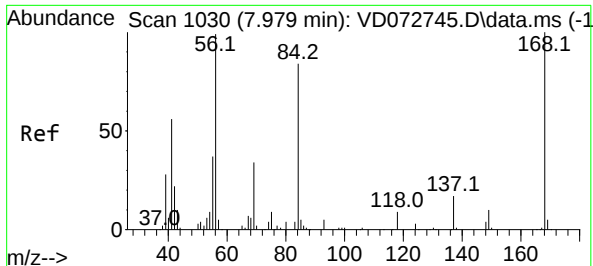


#25
2-Butanone
Concen: 1.948 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

Tgt Ion: 43 Resp: 463

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.138 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD072849.D

Acq: 06 May 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

OR-03-050322

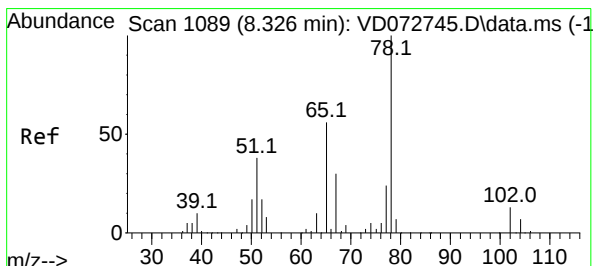
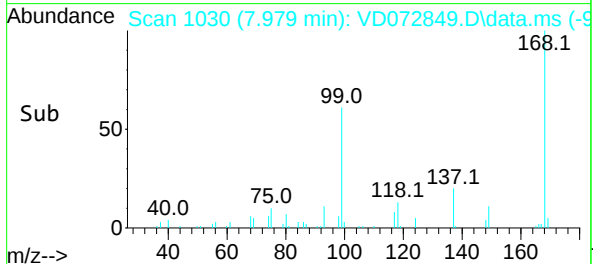
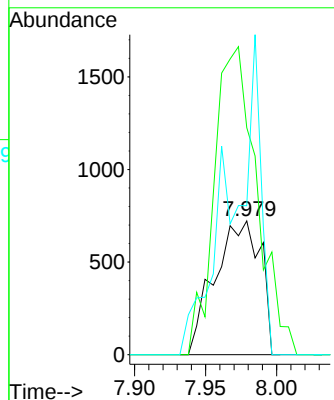
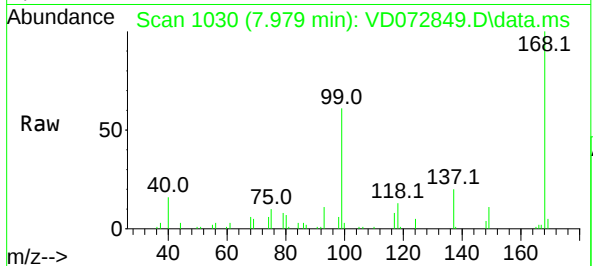
Tgt Ion: 56 Resp: 1623

Ion Ratio Lower Upper

56 100

69 169.8 25.4 38.2#

84 111.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 73.154 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072849.D

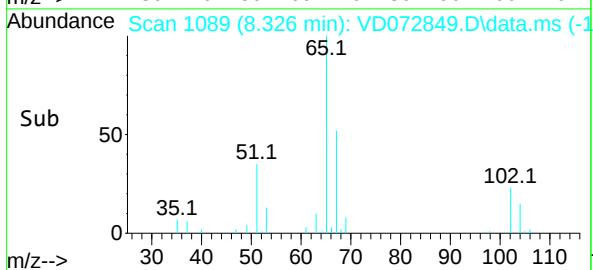
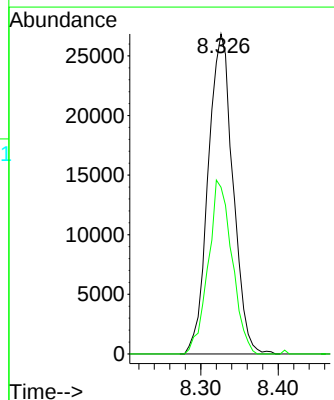
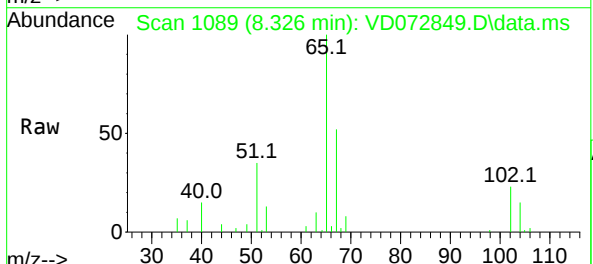
Acq: 06 May 2022 14:06

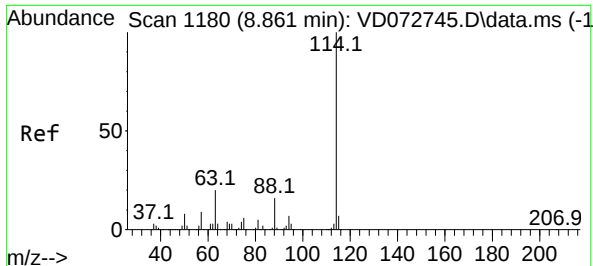
Tgt Ion: 65 Resp: 59665

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD072849.D

Acq: 06 May 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

OR-03-050322

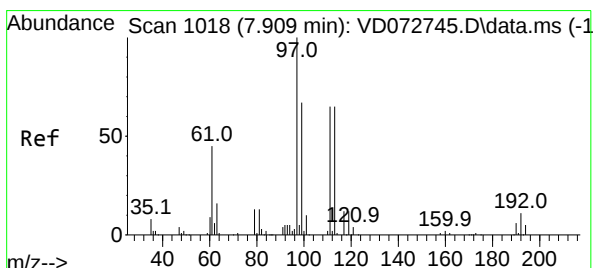
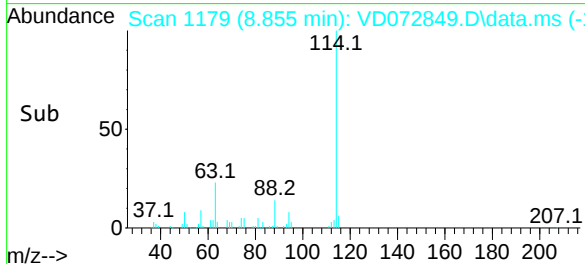
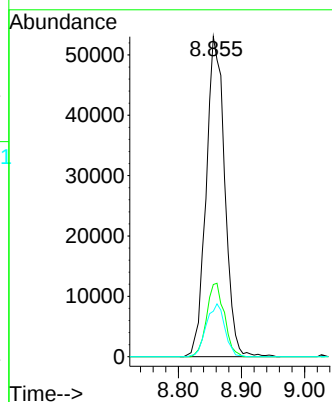
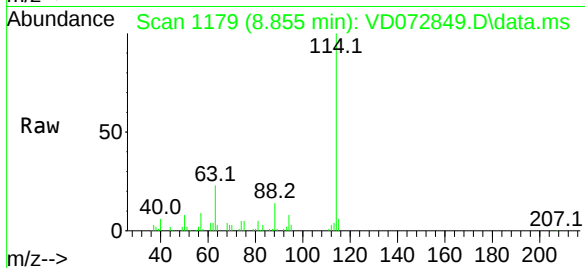
Tgt Ion:114 Resp: 108606

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.6

88 14.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 59.460 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072849.D

Acq: 06 May 2022 14:06

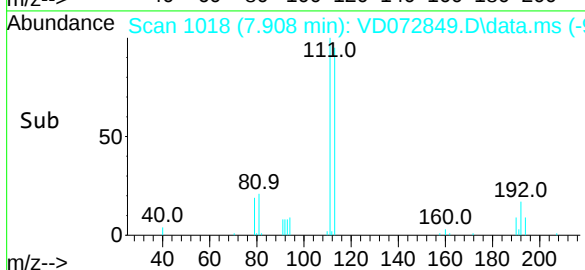
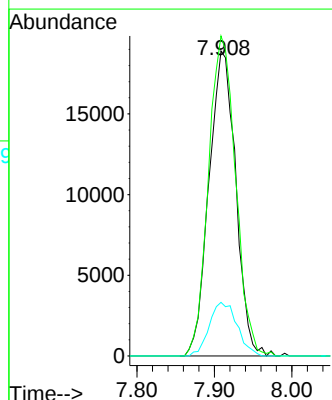
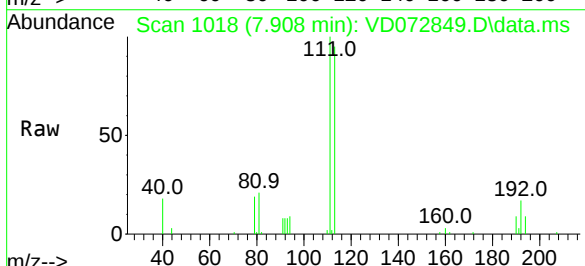
Tgt Ion:113 Resp: 45353

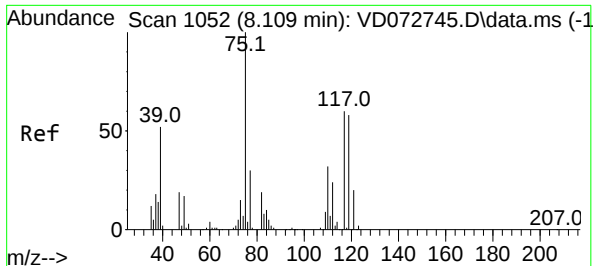
Ion Ratio Lower Upper

113 100

111 106.3 83.8 125.6

192 18.3 14.6 21.8

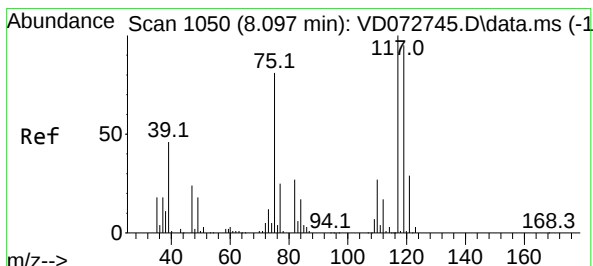
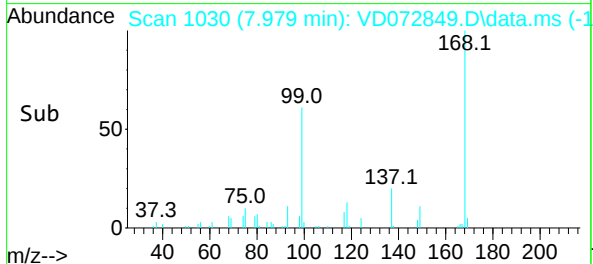
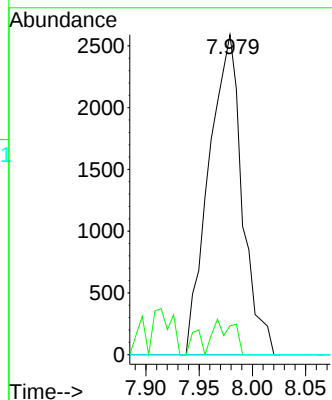
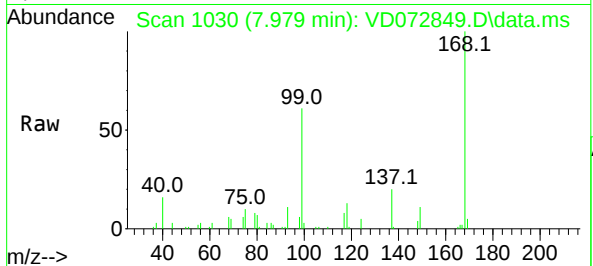




#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.130 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

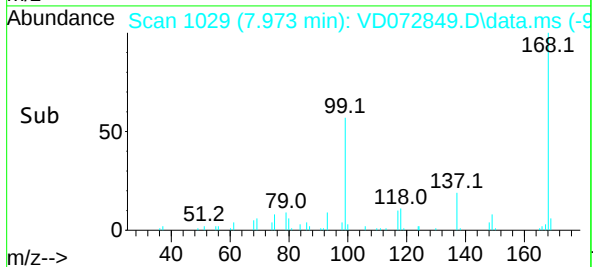
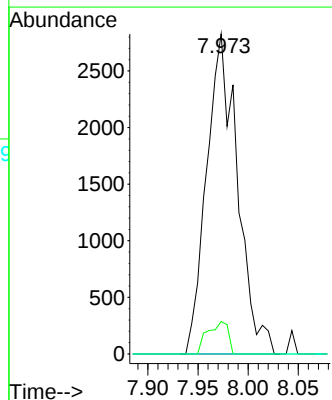
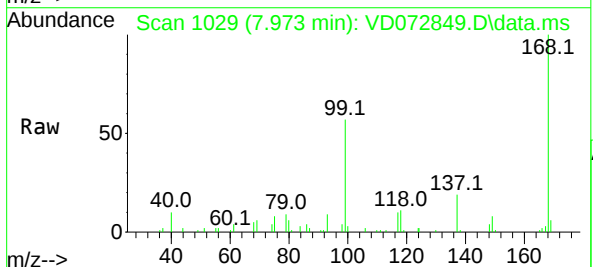
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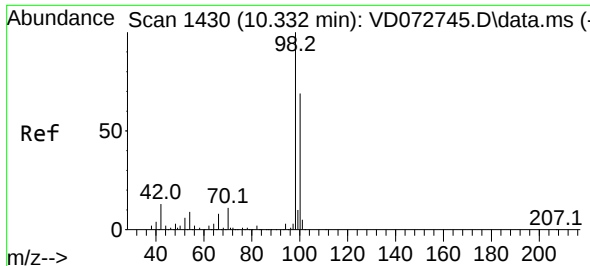
Tgt Ion: 75 Resp: 5654
Ion Ratio Lower Upper
75 100
110 6.7 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 4.699 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

Tgt Ion: 117 Resp: 6050
Ion Ratio Lower Upper
117 100
119 10.2 75.8 113.6#
121 0.0 24.5 36.7#

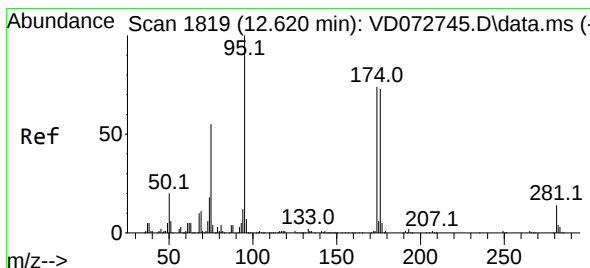
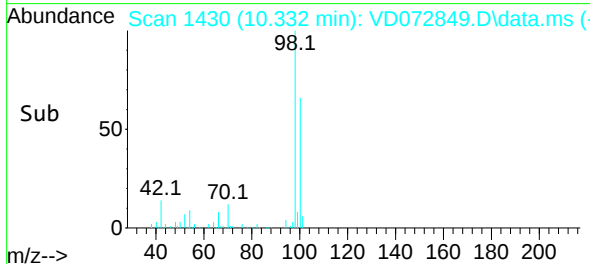
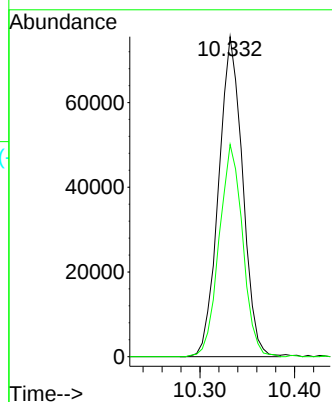
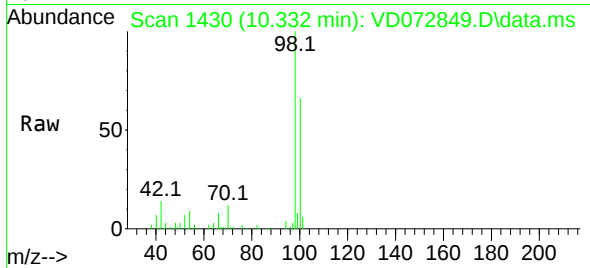




#50
Toluene-d8
Concen: 48.564 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

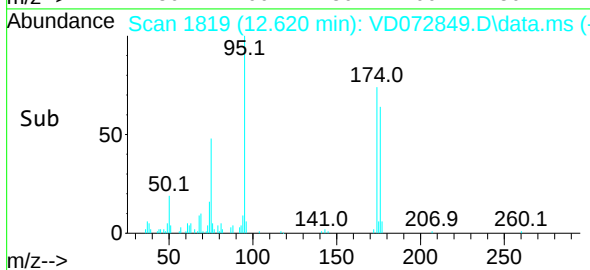
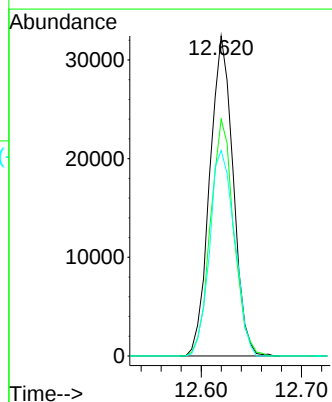
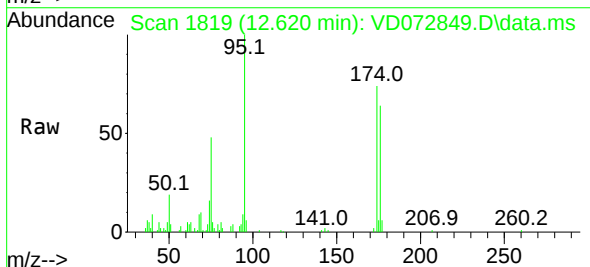
Instrument :
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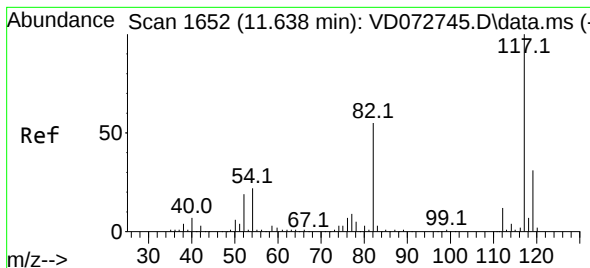
Tgt Ion: 98 Resp: 132873
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 51.458 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

Tgt Ion: 95 Resp: 52498
Ion Ratio Lower Upper
95 100
174 73.9 0.0 152.8
176 68.4 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD072849.D

Acq: 06 May 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

OR-03-050322

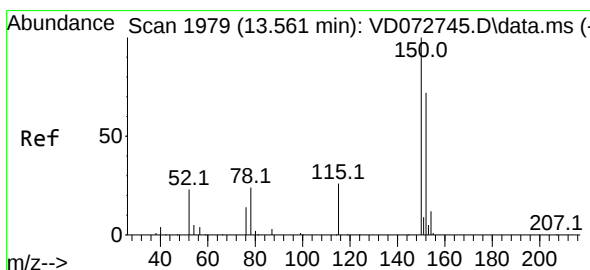
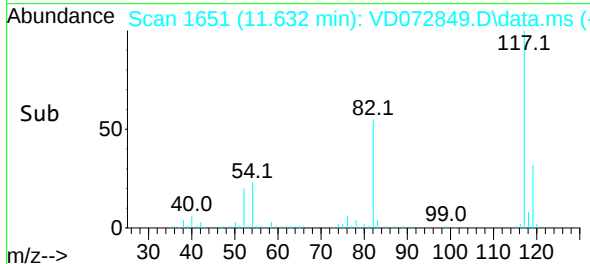
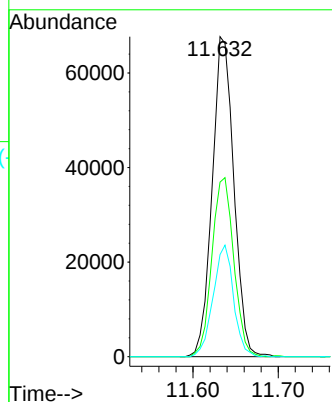
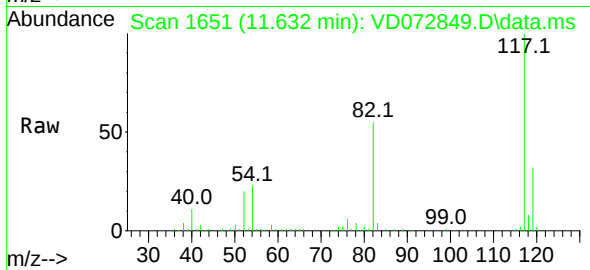
Tgt Ion:117 Resp: 119464

Ion Ratio Lower Upper

117 100

82 54.6 45.3 67.9

119 31.9 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: VD072849.D

Acq: 06 May 2022 14:06

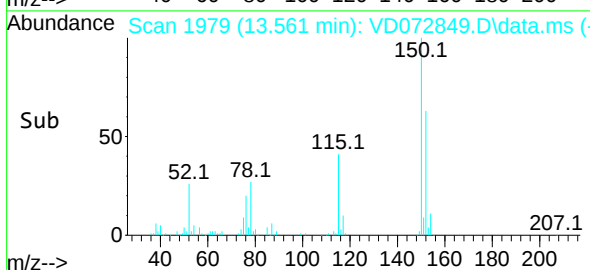
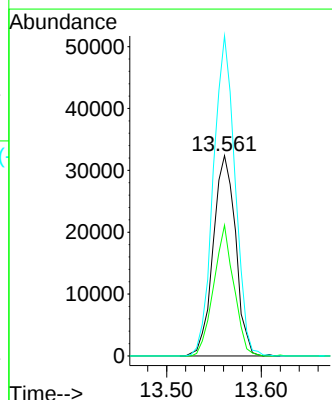
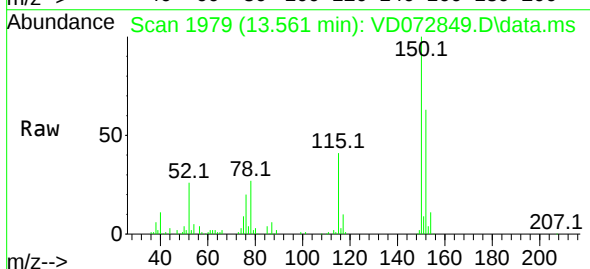
Tgt Ion:152 Resp: 53284

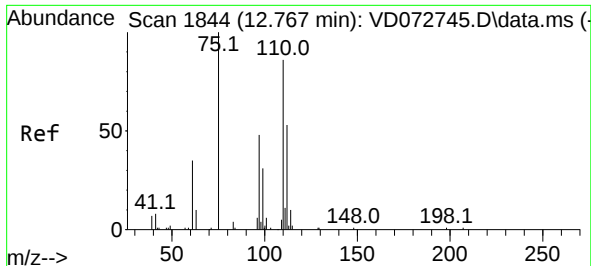
Ion Ratio Lower Upper

152 100

115 58.8 31.3 93.8

150 154.8 0.0 348.6

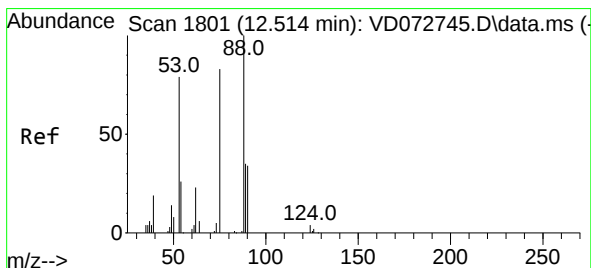
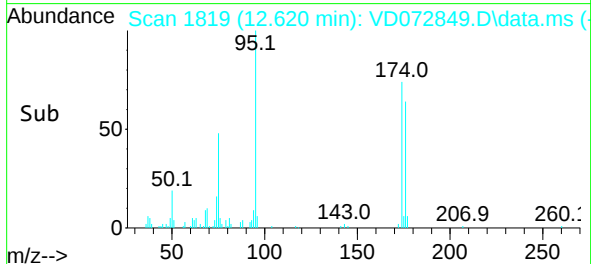
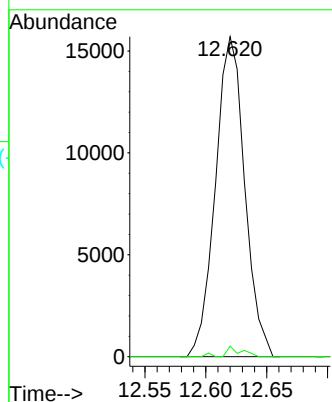
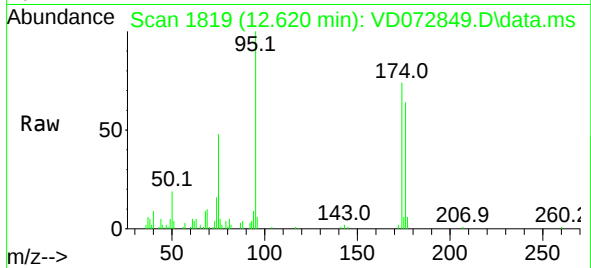




#76
1,2,3-Trichloropropane
Concen: 44.218 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

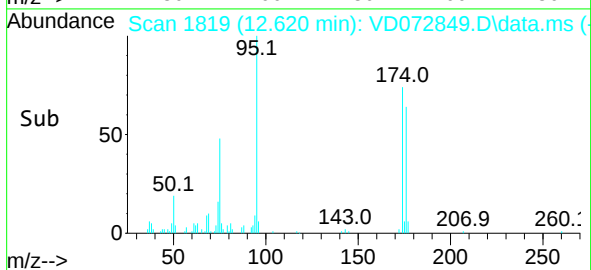
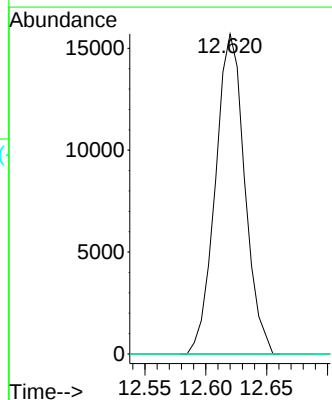
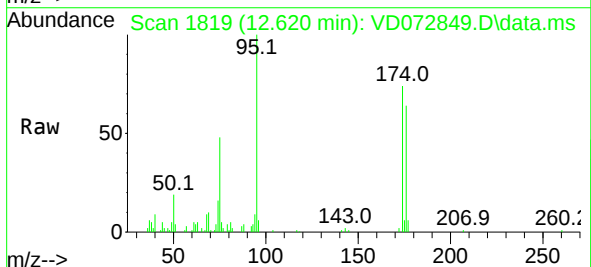
Instrument :
MSVOA_D
ClientSampleId :
OR-03-050322

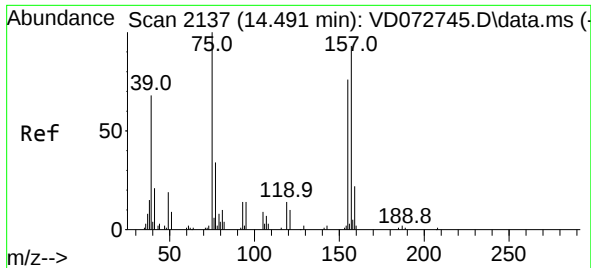
Tgt Ion: 75 Resp: 26272
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.683 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072849.D
Acq: 06 May 2022 14:06

Tgt Ion: 75 Resp: 26272
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.269 ug/l

RT: 14.337 min Scan# 21

Delta R.T. -0.154 min

Lab File: VD072849.D

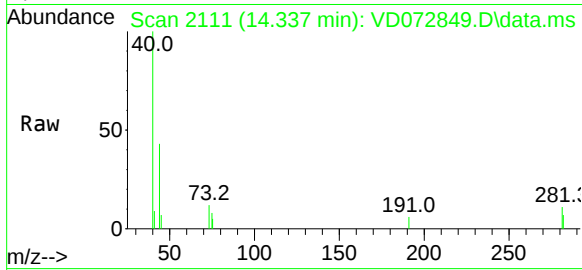
Acq: 06 May 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

OR-03-050322



Tgt Ion: 75 Resp: 301

Ion Ratio Lower Upper

75 100

155 0.0 36.8 110.3#

157 0.0 48.4 145.0#

