

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022822\
 Data File : VD072122.D
 Acq On : 28 Feb 2022 15:00
 Operator : VA/SY
 Sample : N1679-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-72-11944

Quant Time: Mar 01 08:13:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

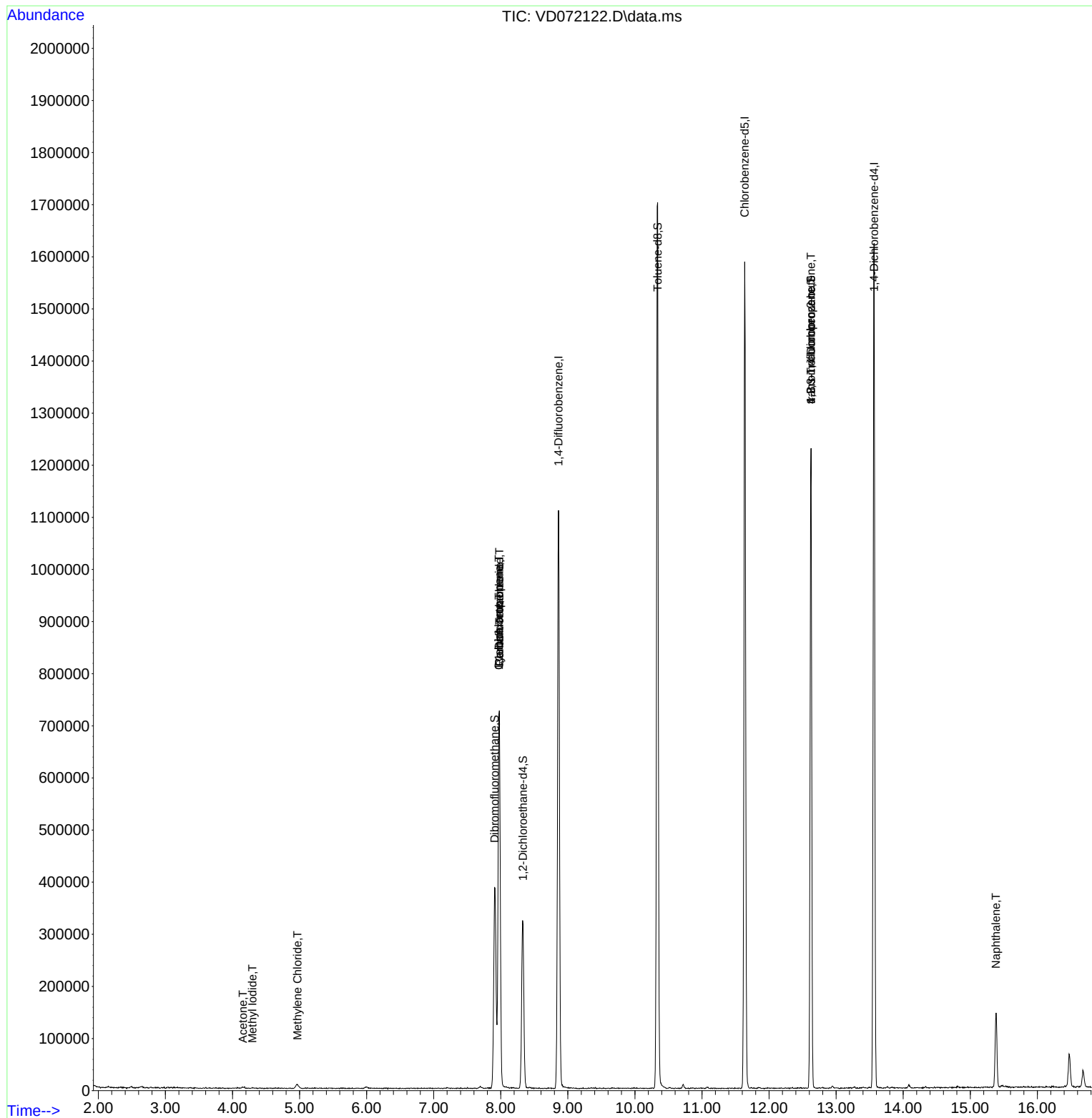
Internal Standards						
1) Pentafluorobenzene	7.979	168	547129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	934247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	910170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	437666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	262675	46.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.560%			
35) Dibromofluoromethane	7.908	113	284402	50.245	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.480%			
50) Toluene-d8	10.338	98	1154205	54.986	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.980%			
62) 4-Bromofluorobenzene	12.626	95	414241	53.724	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.440%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	604	Below Cal	#	74
10) Methyl Iodide	4.297	142	407	2.986	ug/l #	62
16) Acetone	4.156	43	4007	3.267	ug/l	98
18) Methyl Acetate	4.862	43	61	Below Cal	#	52
20) Methylene Chloride	4.967	84	6247	1.023	ug/l #	70
31) Cyclohexane	7.973	56	12150	1.212	ug/l #	4
36) 1,1-Dichloropropene	7.973	75	44310	5.168	ug/l #	49
38) Carbon Tetrachloride	7.979	117	55802	6.350	ug/l #	17
76) 1,2,3-Trichloropropane	12.626	75	212407	51.236	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	212407	128.306	ug/l #	10
95) Naphthalene	15.384	128	131032	9.420	ug/l	99

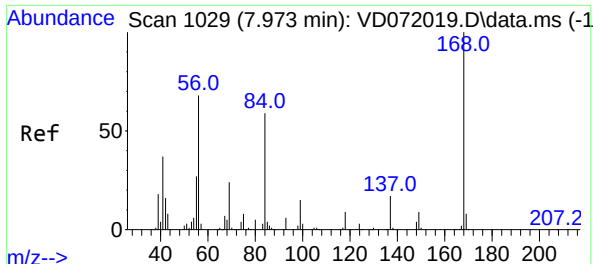
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 19 04:05:38 2022
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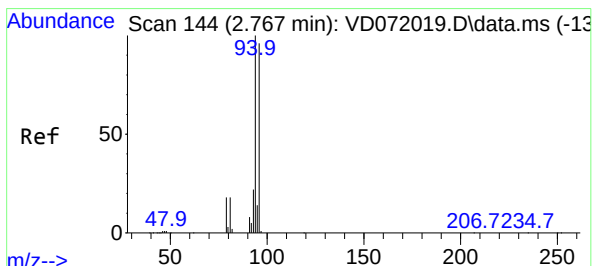
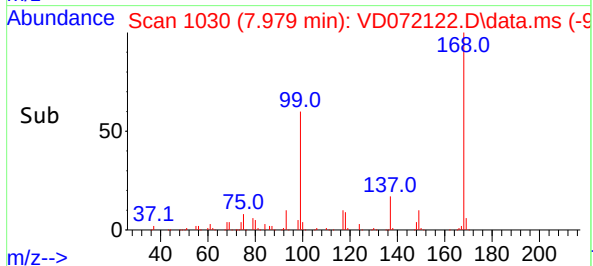
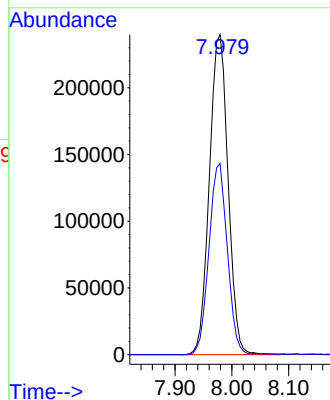
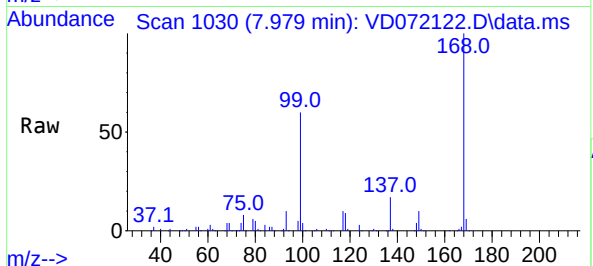




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

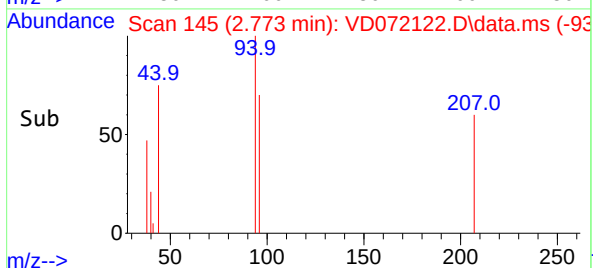
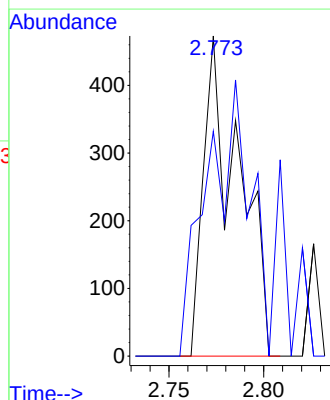
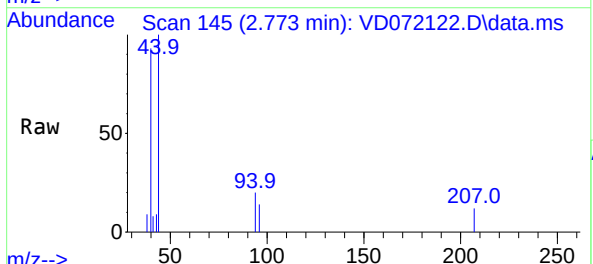
Instrument :
MSVOA_D
ClientSampleId :
RO-72-11944

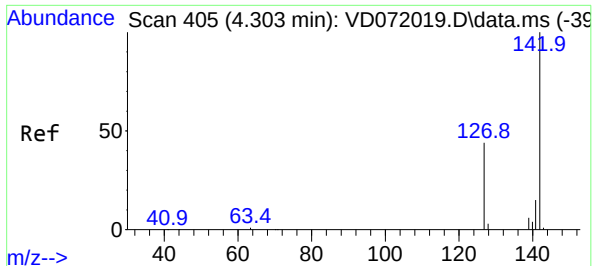
Tgt Ion:168 Resp: 547129
Ion Ratio Lower Upper
168 100
99 59.8 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

Tgt Ion: 94 Resp: 604
Ion Ratio Lower Upper
94 100
96 70.2 76.8 115.2#

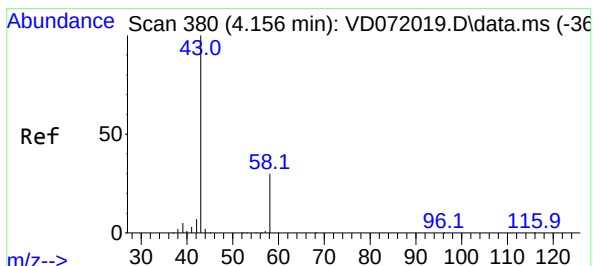
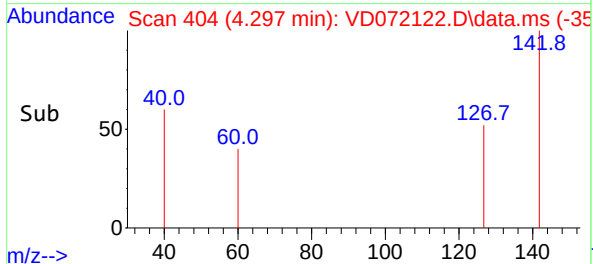
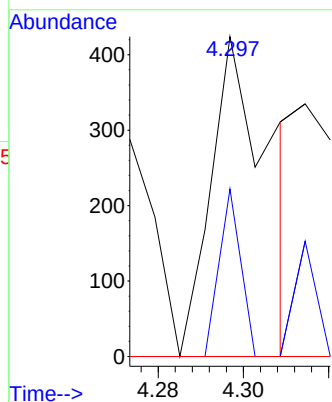
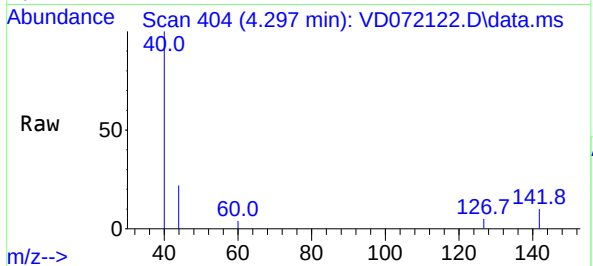




#10
Methyl Iodide
Concen: 2.986 ug/l
RT: 4.297 min Scan# 407
Delta R.T. -0.006 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

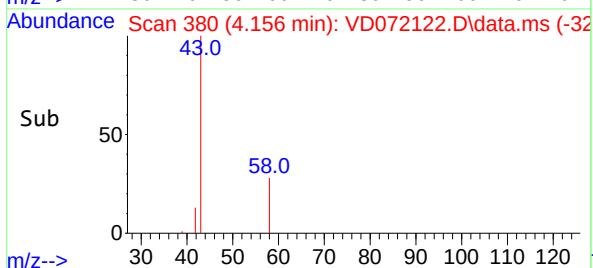
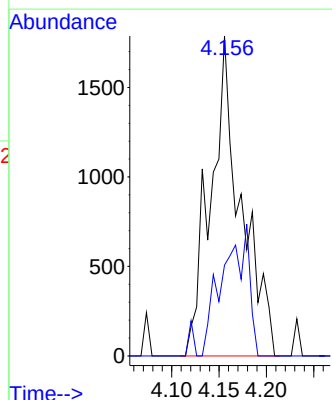
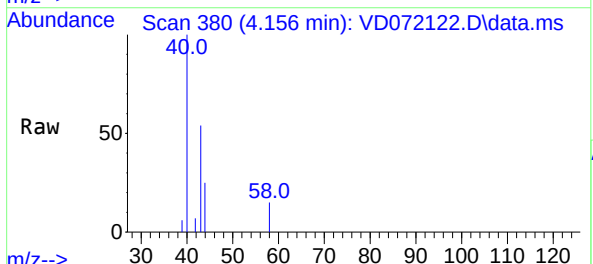
Instrument :
MSVOA_D
ClientSampleId :
RO-72-11944

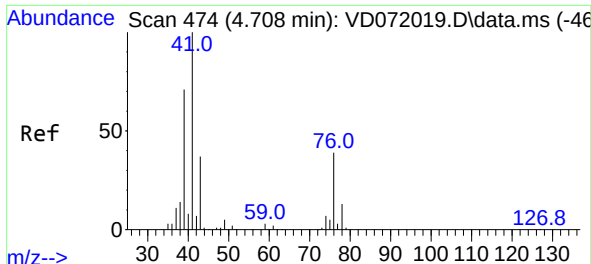
Tgt Ion:142 Resp: 407
Ion Ratio Lower Upper
142 100
127 19.2 35.8 53.8#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 3.267 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

Tgt Ion: 43 Resp: 4007
Ion Ratio Lower Upper
43 100
58 28.4 23.8 35.6

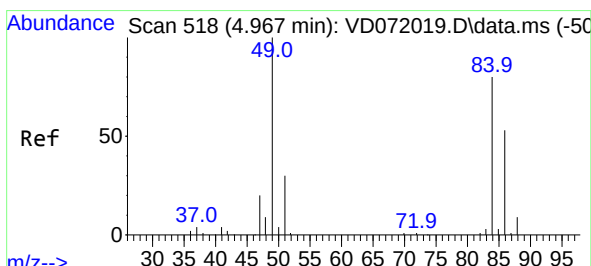
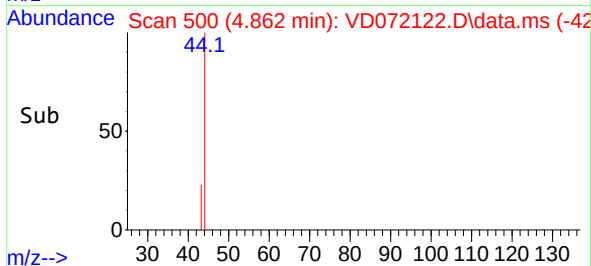
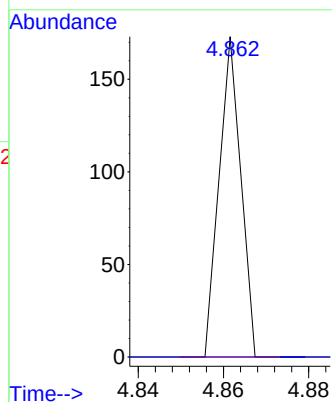
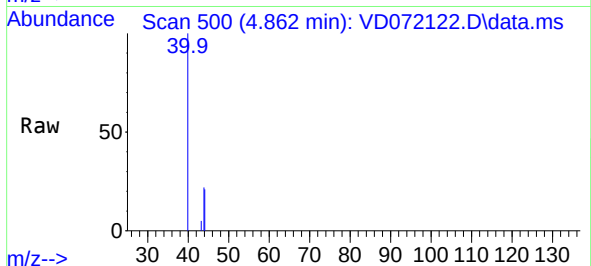




#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 50
Delta R.T. 0.154 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

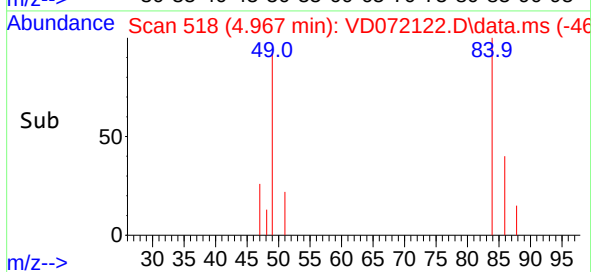
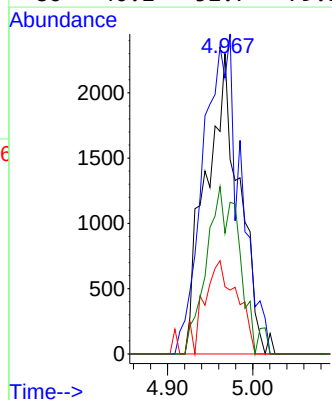
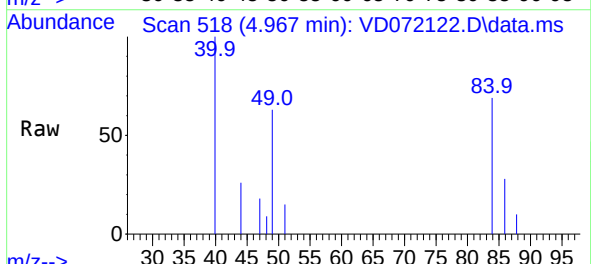
Instrument :
MSVOA_D
ClientSampleId :
RO-72-11944

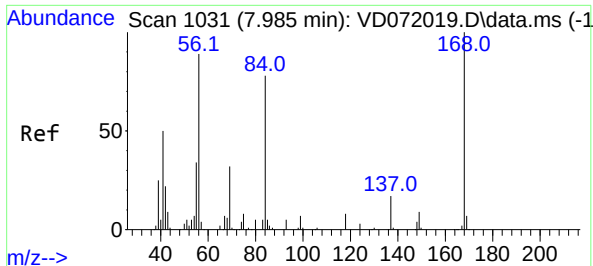
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#20
Methylene Chloride
Concen: 1.023 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

Tgt Ion: 84 Resp: 6247
Ion Ratio Lower Upper
84 100
49 91.7 100.0 150.0#
51 22.3 30.2 45.4#
86 40.2 52.7 79.1#

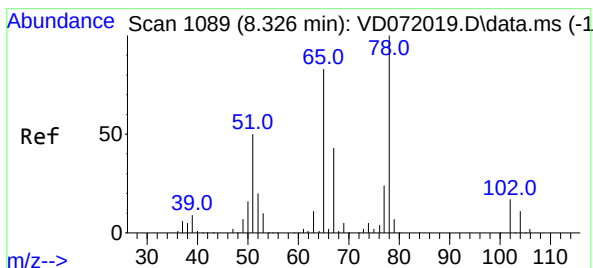
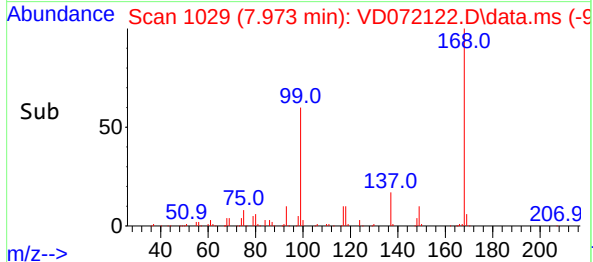
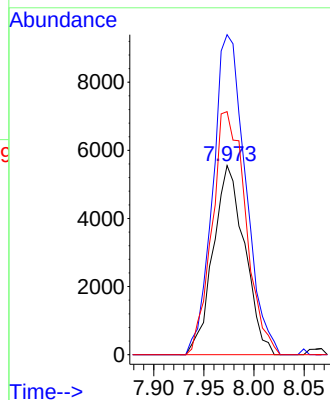
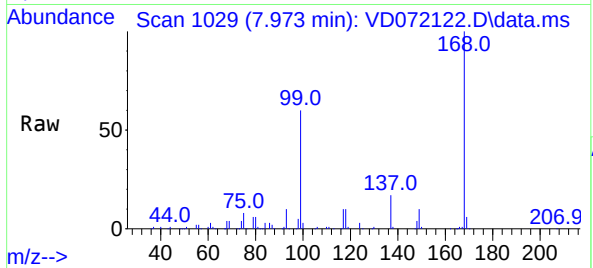




#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

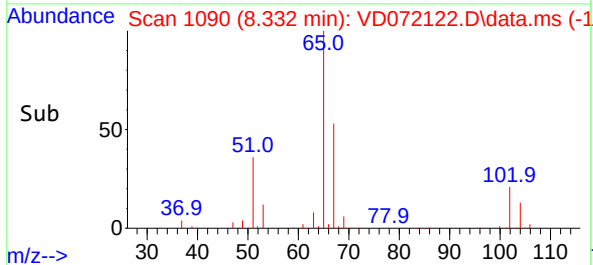
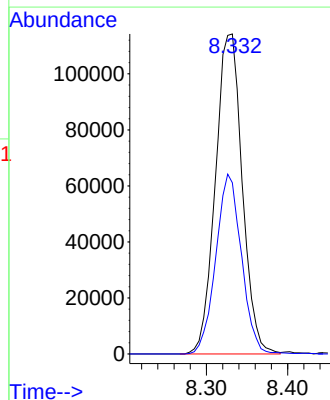
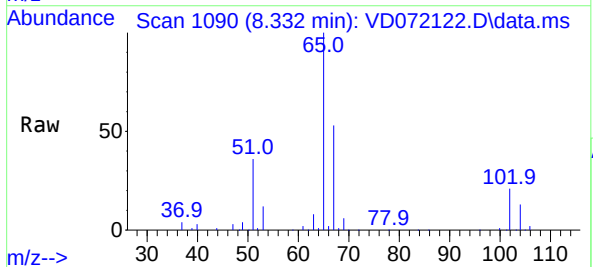
Instrument :
MSVOA_D
ClientSampleId :
RO-72-11944

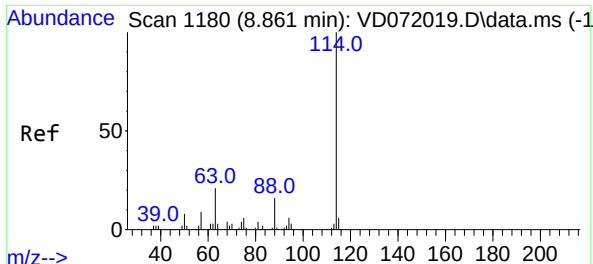
Tgt Ion: 56 Resp: 12150
Ion Ratio Lower Upper
56 100
69 169.2 28.9 43.3#
84 128.5 70.6 105.8#



#33
1,2-Dichloroethane-d4
Concen: 46.284 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

Tgt Ion: 65 Resp: 262675
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.6

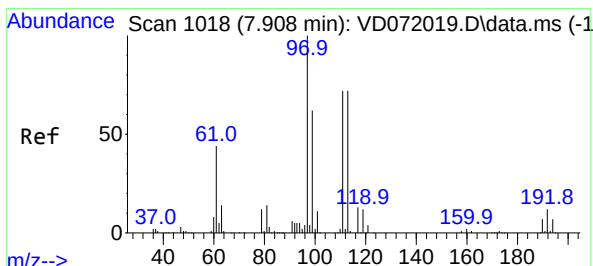
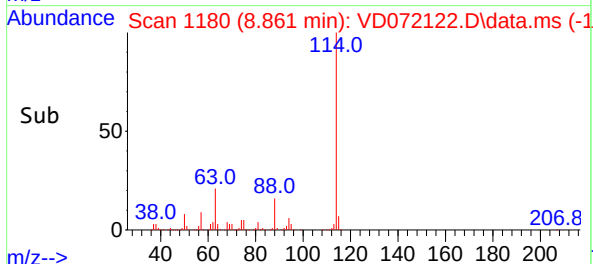
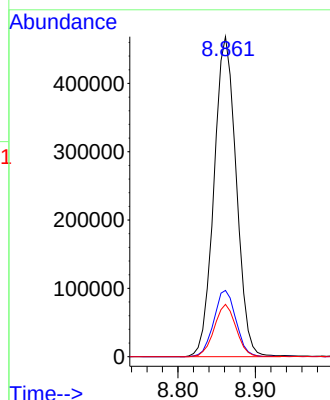
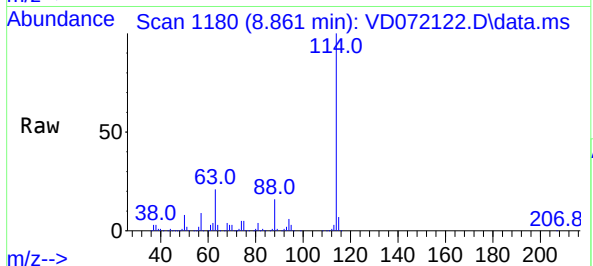




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

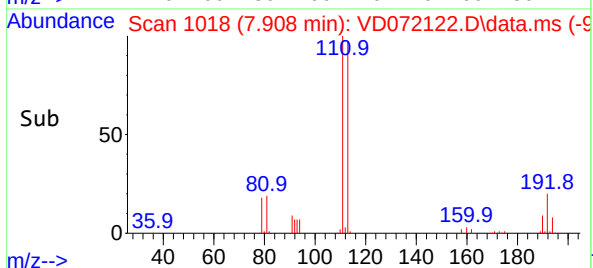
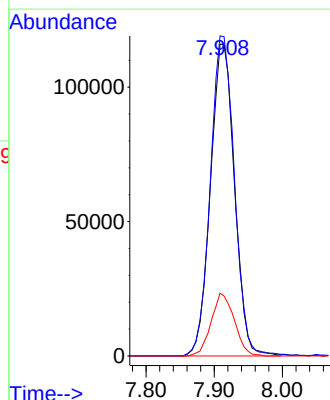
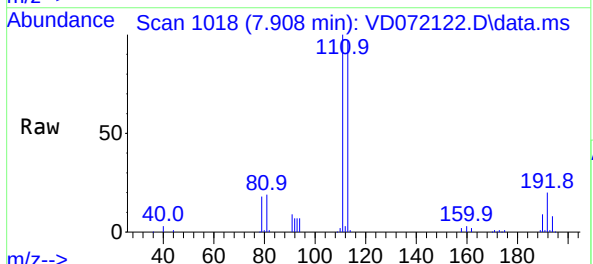
Instrument :
MSVOA_D
ClientSampleId :
RO-72-11944

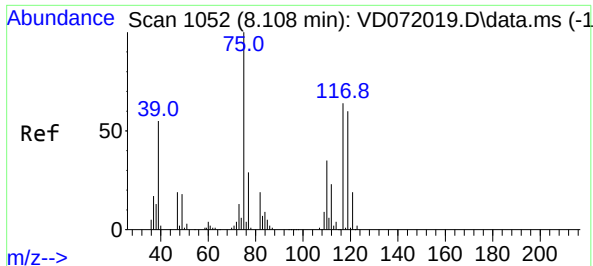
Tgt Ion:	114	Resp:	934247
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.2
88	16.4	0.0	31.2



#35
Dibromofluoromethane
Concen: 50.245 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

Tgt Ion:	113	Resp:	284402
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.0	124.4
192	19.4	15.3	22.9





#36

1,1-Dichloropropene

Concen: 5.168 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072122.D

Acq: 28 Feb 2022 15:00

Instrument :

MSVOA_D

ClientSampleId :

RO-72-11944

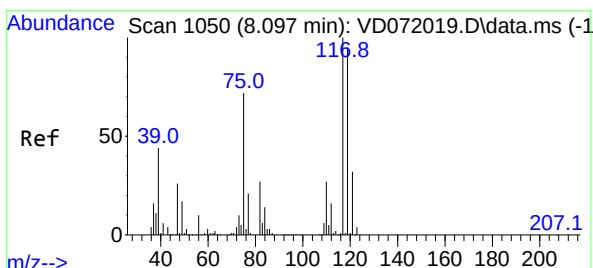
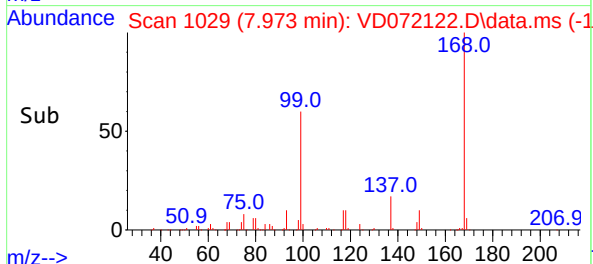
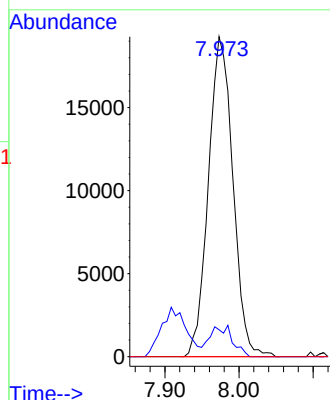
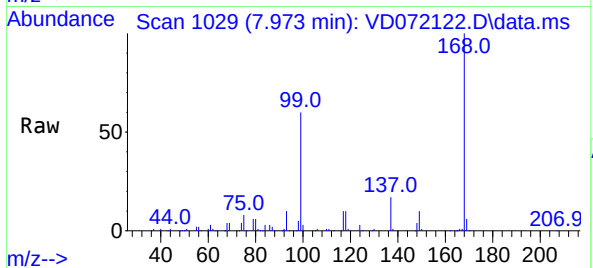
Tgt Ion: 75 Resp: 44310

Ion Ratio Lower Upper

75 100

110 8.8 17.7 53.1#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.350 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD072122.D

Acq: 28 Feb 2022 15:00

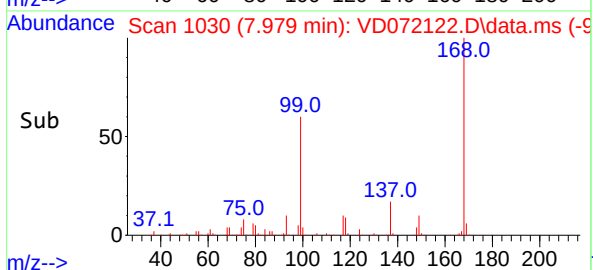
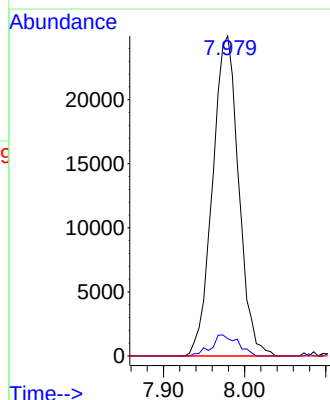
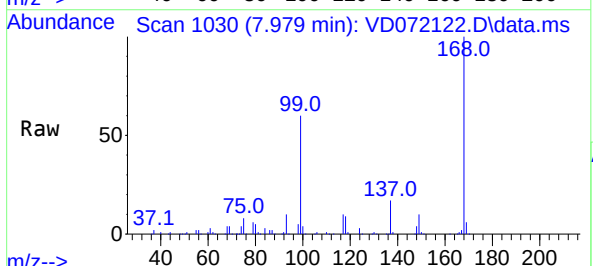
Tgt Ion: 117 Resp: 55802

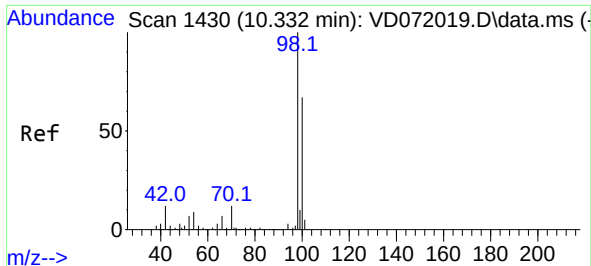
Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.8#

121 0.0 25.8 38.6#

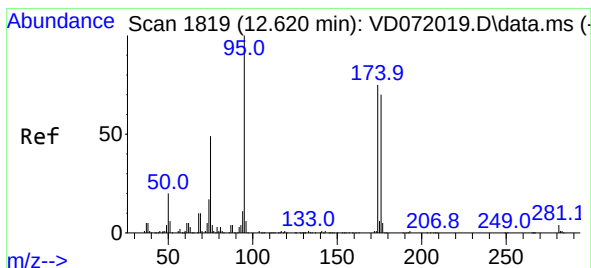
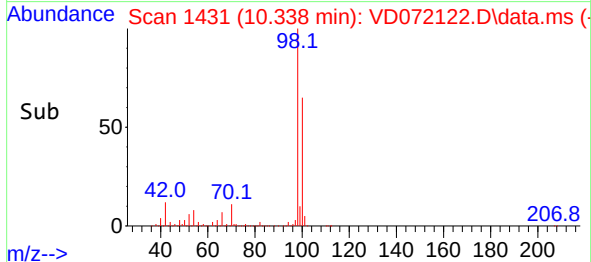
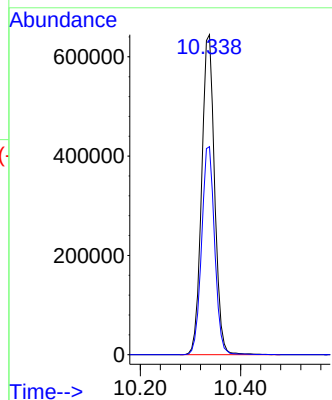
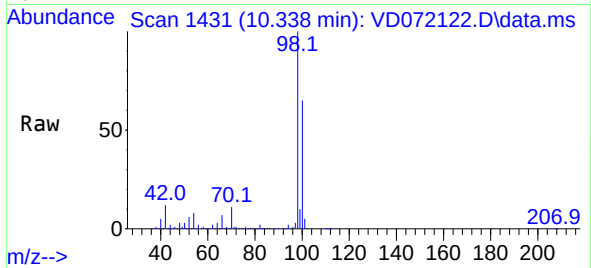




#50
Toluene-d8
Concen: 54.986 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

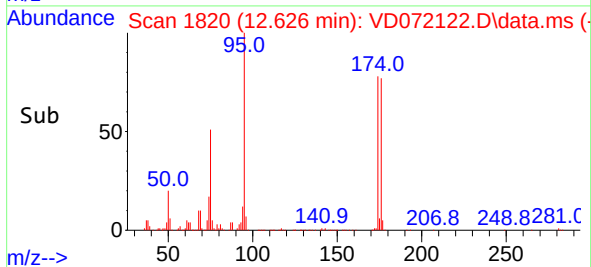
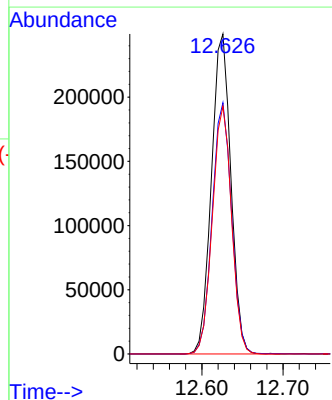
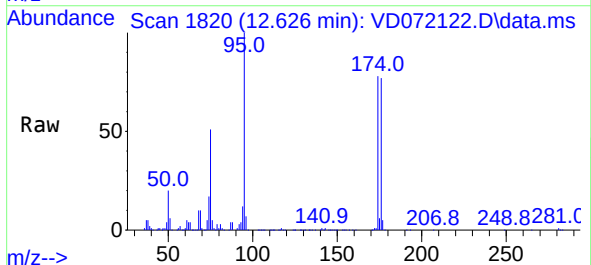
Instrument :
MSVOA_D
ClientSampleId :
RO-72-11944

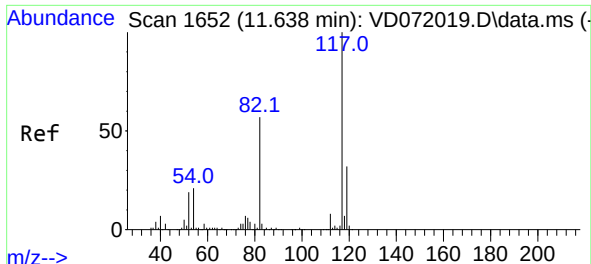
Tgt Ion: 98 Resp: 1154205
Ion Ratio Lower Upper
98 100
100 65.6 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 53.724 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

Tgt Ion: 95 Resp: 414241
Ion Ratio Lower Upper
95 100
174 78.4 0.0 155.0
176 76.3 0.0 148.8

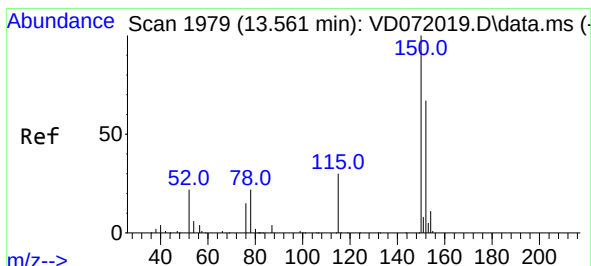
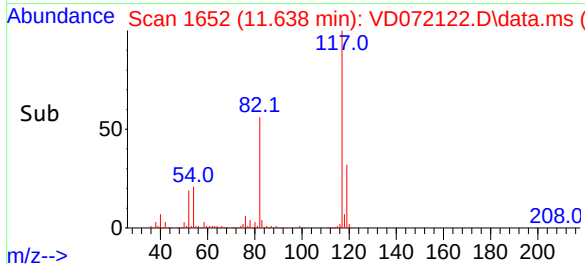
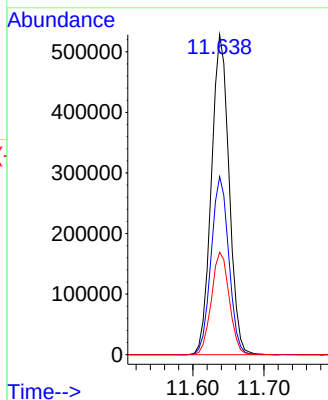
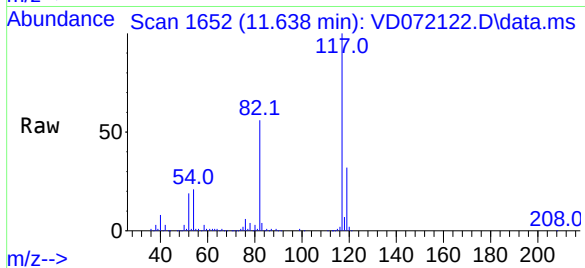




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

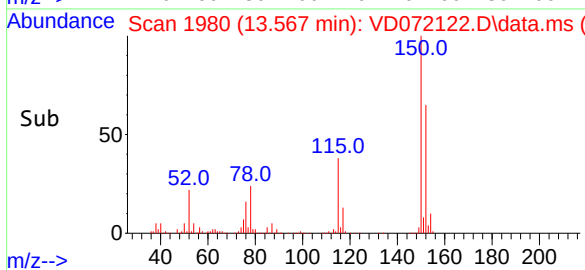
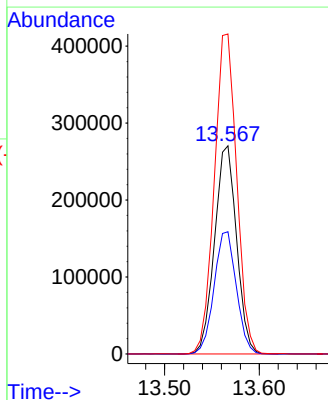
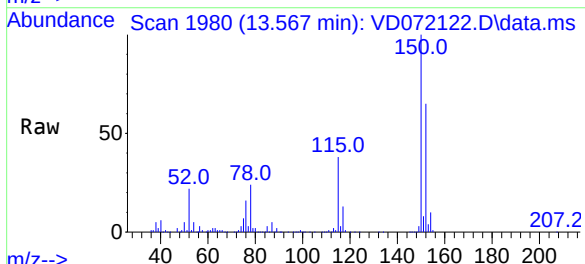
Instrument :
MSVOA_D
ClientSampleId :
RO-72-11944

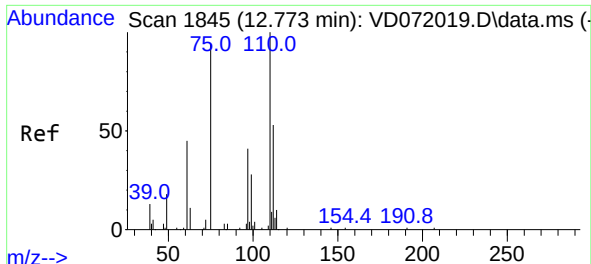
Tgt Ion:117 Resp: 910170
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD072122.D
Acq: 28 Feb 2022 15:00

Tgt Ion:152 Resp: 437666
Ion Ratio Lower Upper
152 100
115 59.4 29.9 89.7
150 156.4 0.0 347.6

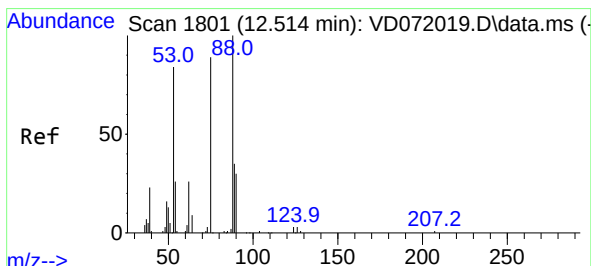
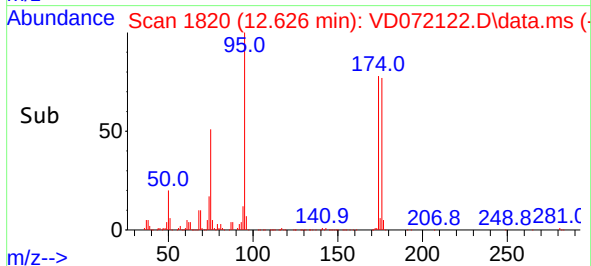
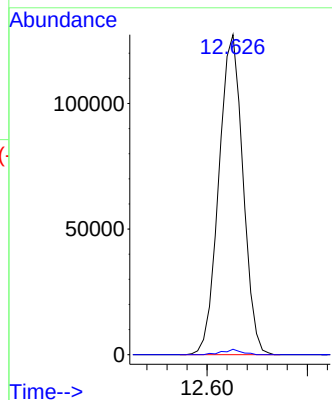
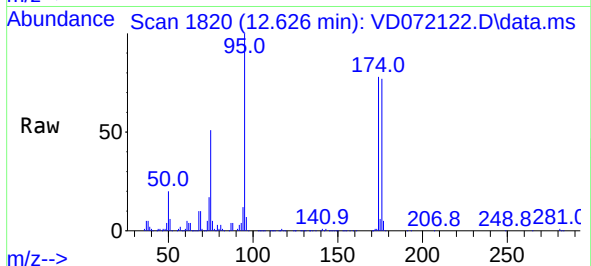




#76
 1,2,3-Trichloropropane
 Concen: 51.236 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD072122.D
 Acq: 28 Feb 2022 15:00

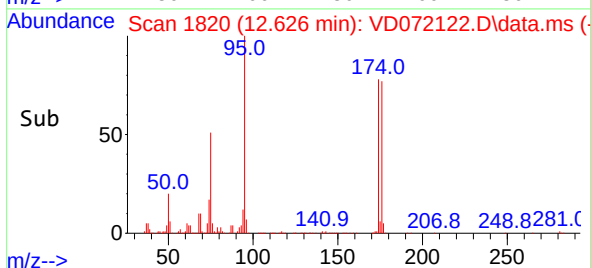
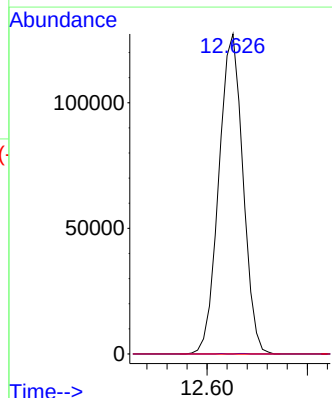
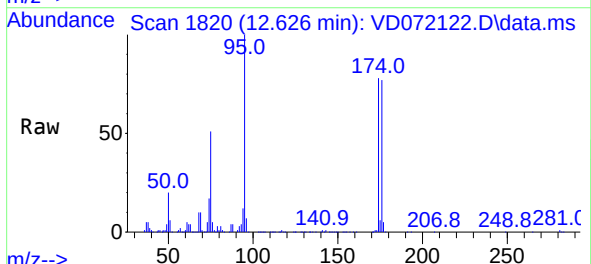
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-72-11944

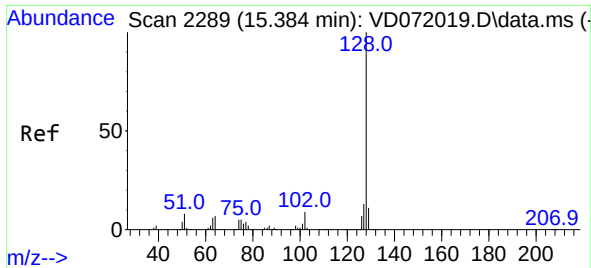
Tgt Ion: 75 Resp: 212407
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.306 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.112 min
 Lab File: VD072122.D
 Acq: 28 Feb 2022 15:00

Tgt Ion: 75 Resp: 212407
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.2 120.4#
 89 0.0 36.4 54.6#





#95

Naphthalene

Concen: 9.420 ug/l

RT: 15.384 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD072122.D

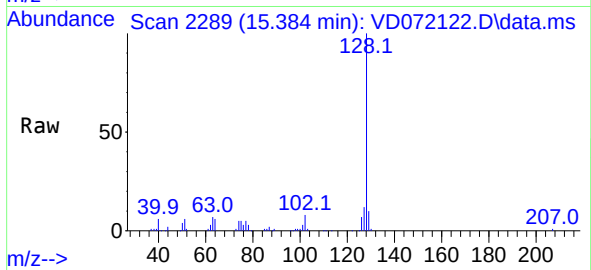
Acq: 28 Feb 2022 15:00

Instrument :

MSVOA_D

ClientSampleId :

RO-72-11944



Tgt Ion:128 Resp: 131032

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.3 8.7 13.1

