

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020422\
 Data File : VD071904.D
 Acq On : 04 Feb 2022 17:50
 Operator : VA/SY
 Sample : N1401-07
 Misc : 4.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-124030

Quant Time: Feb 07 04:21:37 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)

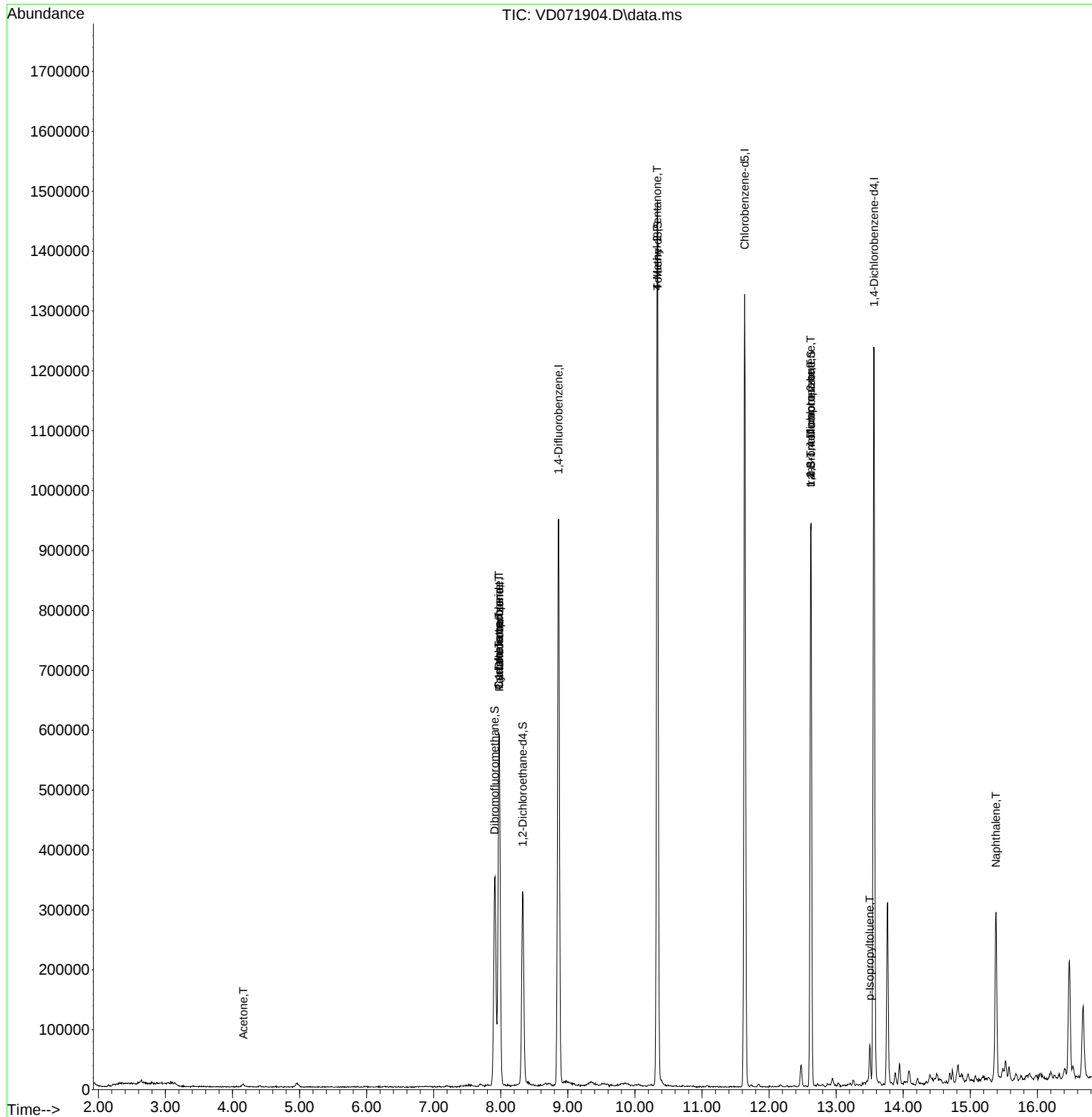
Internal Standards						
1) Pentafluorobenzene	7.979	168	407658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	746164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	702579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	313206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	254613	49.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.820%
35) Dibromofluoromethane	7.908	113	247840	50.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.060%
50) Toluene-d8	10.338	98	959836	52.400	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.800%
62) 4-Bromofluorobenzene	12.626	95	311810	48.745	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.208	59	130	Below Cal	#	74
16) Acetone	4.161	43	8688	6.160	ug/l #	82
20) Methylene Chloride	4.967	84	3271	Below Cal	#	76
31) Cyclohexane	7.973	56	11398	1.159	ug/l #	9
36) 1,1-Dichloropropene	7.973	75	39767	4.724	ug/l #	49
38) Carbon Tetrachloride	7.973	117	44717	5.371	ug/l #	18
51) 4-Methyl-2-Pentanone	10.332	43	5168	1.404	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	170608	51.687	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	170608	127.086	ug/l #	7
86) p-Isopropyltoluene	13.502	119	31607	1.491	ug/l	95
95) Naphthalene	15.384	128	241865	23.037	ug/l	98

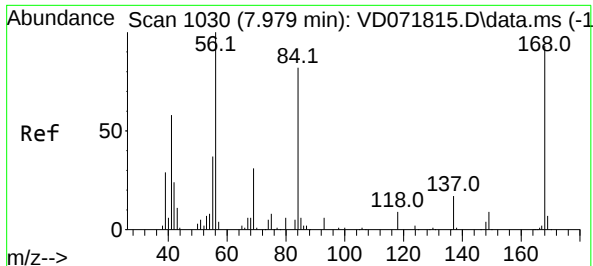
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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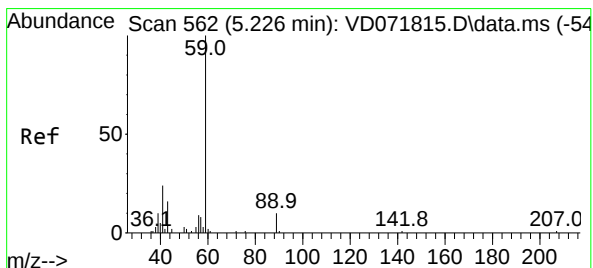
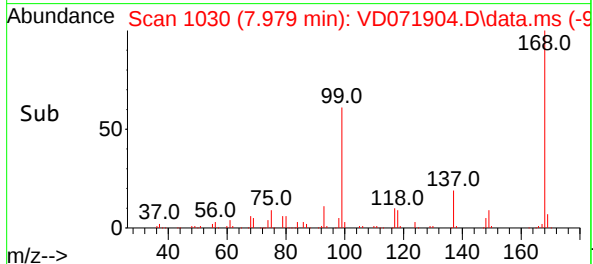
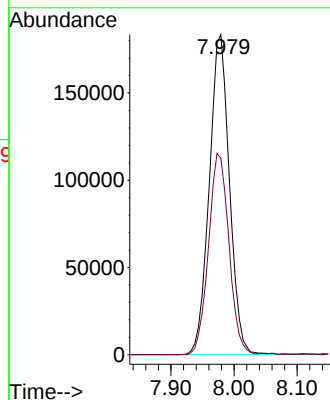
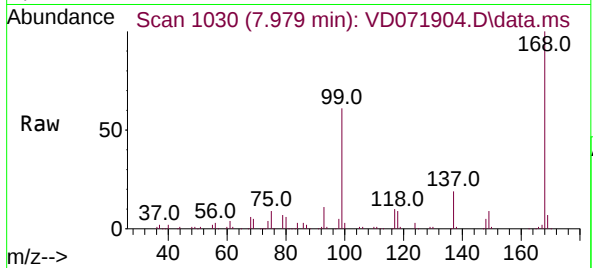




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

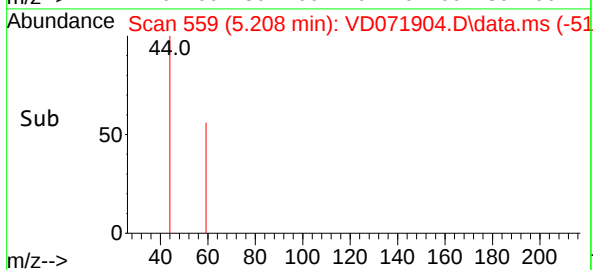
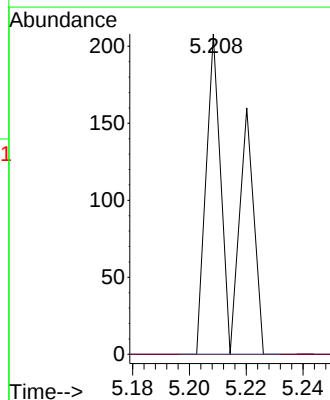
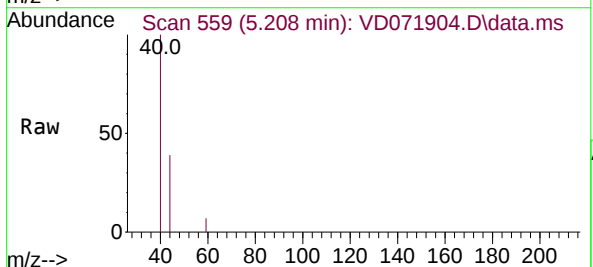
Instrument :
MSVOA_D
ClientSampleId :
RO-124030

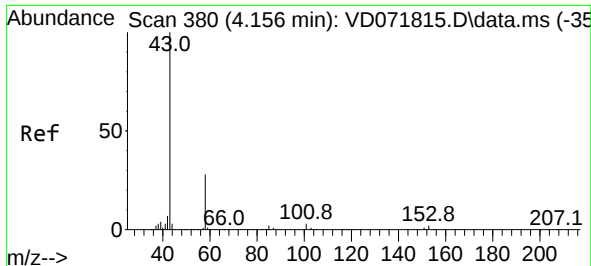
Tgt Ion:168 Resp: 407658
Ion Ratio Lower Upper
168 100
99 61.5 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

Tgt Ion: 59 Resp: 130
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

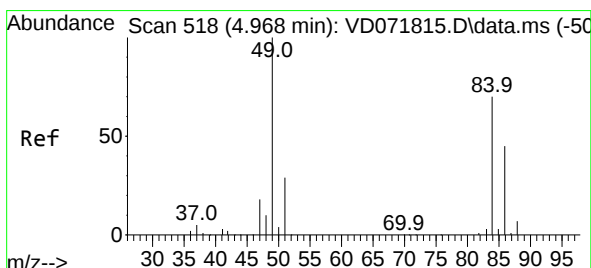
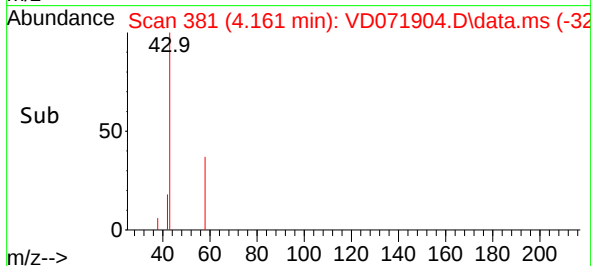
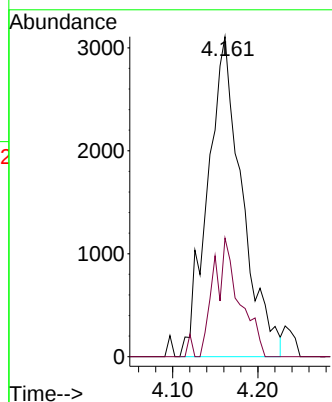
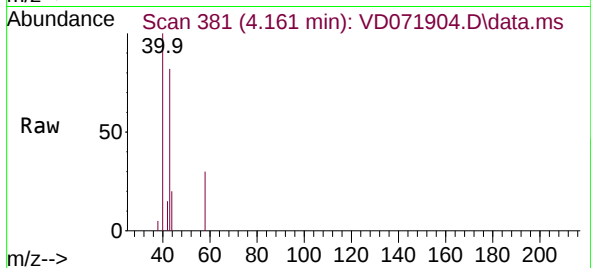




#16
Acetone
Concen: 6.160 ug/l
RT: 4.161 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

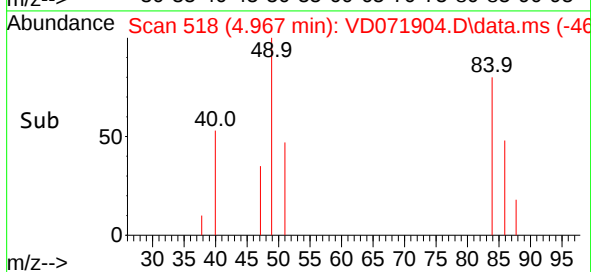
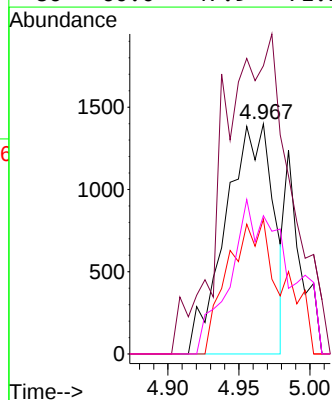
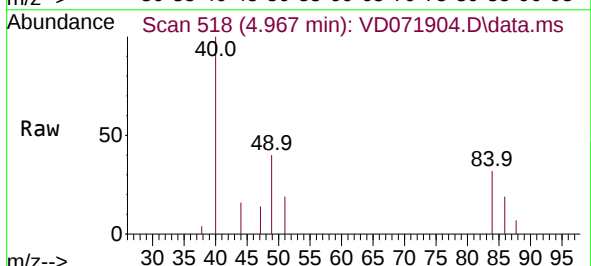
Instrument :
MSVOA_D
ClientSampleId :
RO-124030

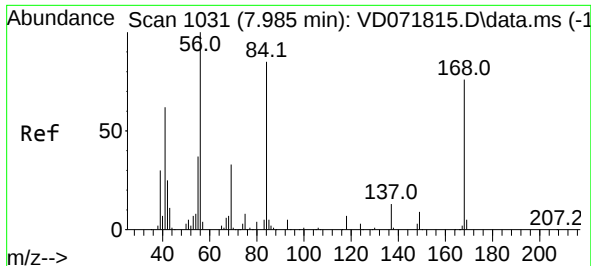
Tgt Ion: 43 Resp: 8688
Ion Ratio Lower Upper
43 100
58 37.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

Tgt Ion: 84 Resp: 3271
Ion Ratio Lower Upper
84 100
49 100.4 112.8 169.2#
51 58.5 32.6 48.8#
86 60.0 47.9 71.9

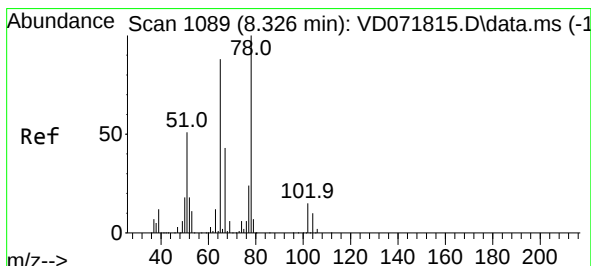
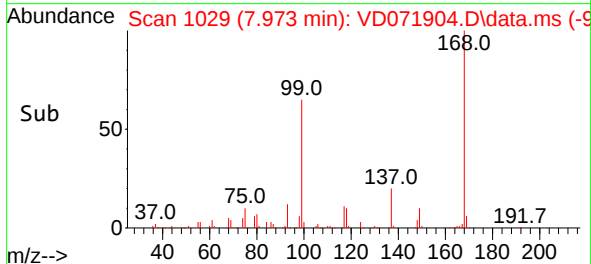
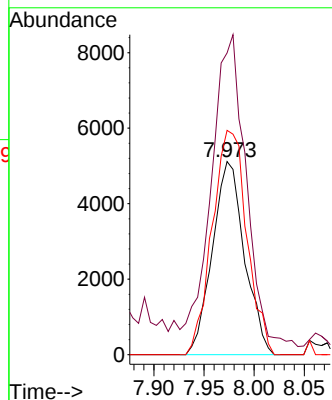
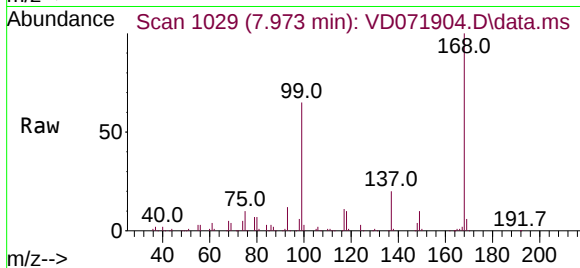




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

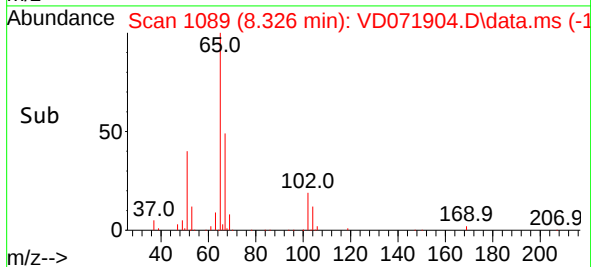
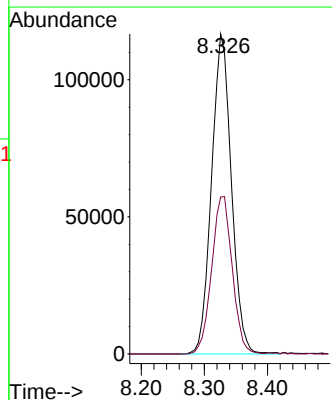
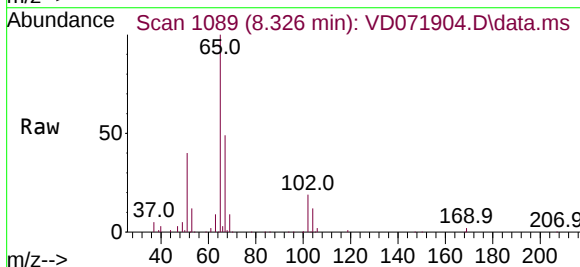
Instrument :
MSVOA_D
ClientSampleId :
RO-124030

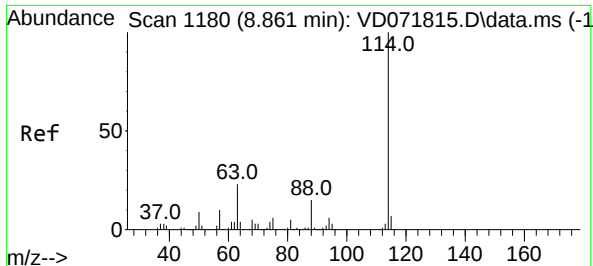
Tgt Ion: 56 Resp: 11398
Ion Ratio Lower Upper
56 100
69 147.8 25.4 38.2#
84 116.2 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 49.415 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

Tgt Ion: 65 Resp: 254613
Ion Ratio Lower Upper
65 100
67 51.0 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: VD071904.D

Acq: 04 Feb 2022 17:50

Instrument :

MSVOA_D

ClientSampleId :

RO-124030

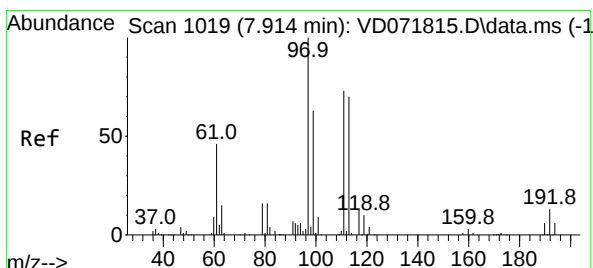
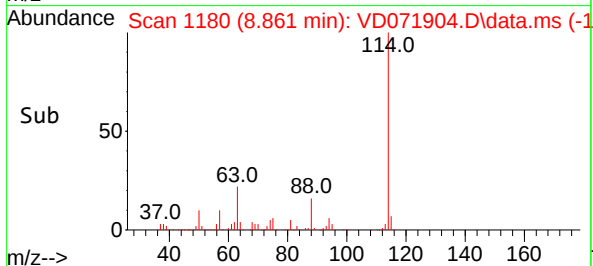
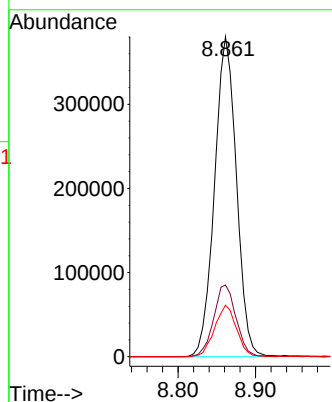
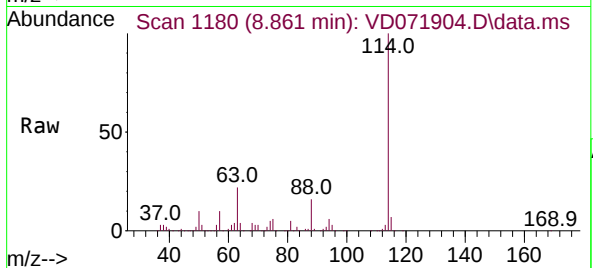
Tgt Ion:114 Resp: 746164

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.6

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.531 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071904.D

Acq: 04 Feb 2022 17:50

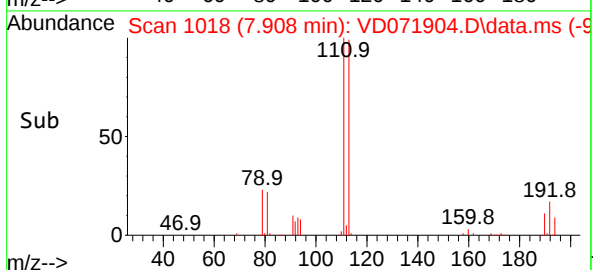
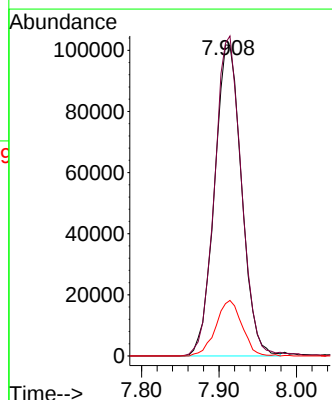
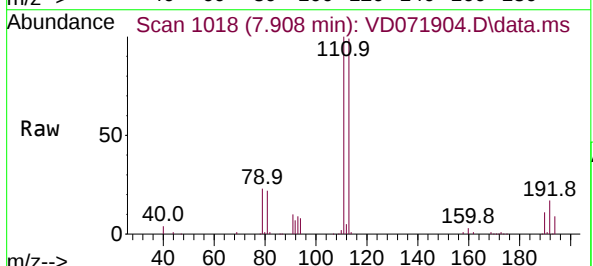
Tgt Ion:113 Resp: 247840

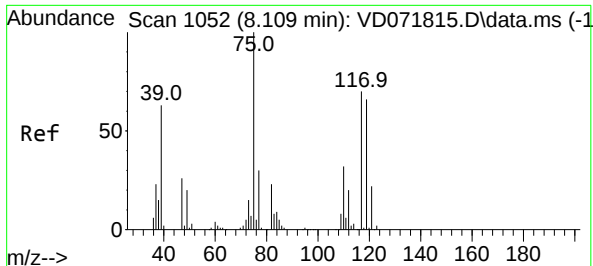
Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 17.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.724 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071904.D

Acq: 04 Feb 2022 17:50

Instrument :

MSVOA_D

ClientSampleId :

RO-124030

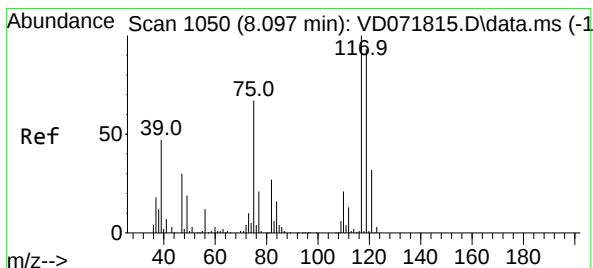
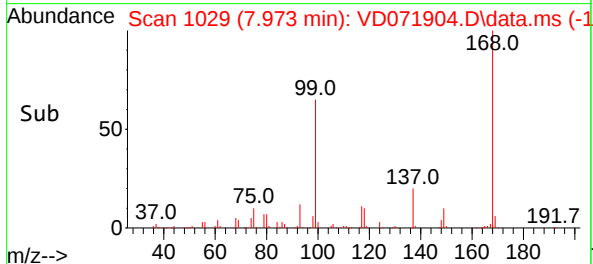
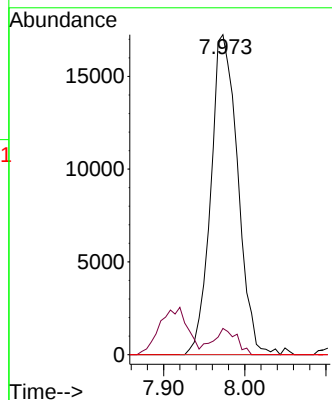
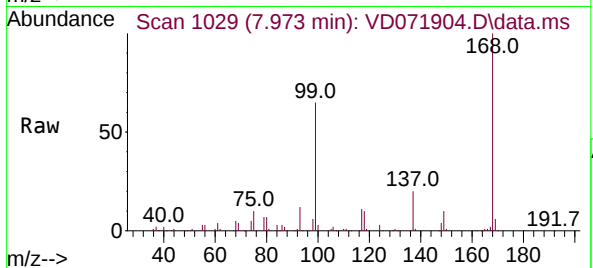
Tgt Ion: 75 Resp: 39767

Ion Ratio Lower Upper

75 100

110 6.8 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.371 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071904.D

Acq: 04 Feb 2022 17:50

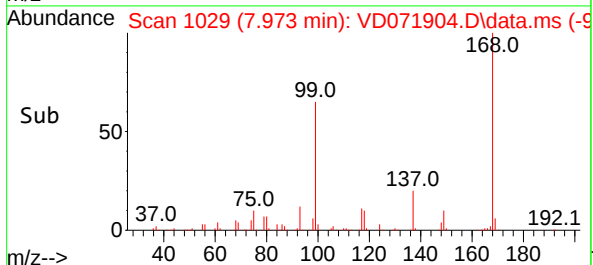
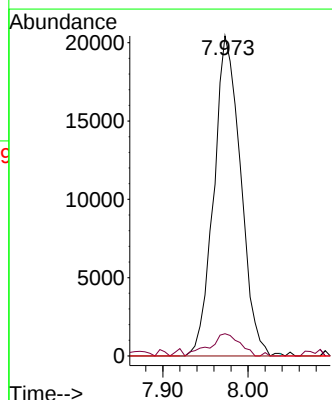
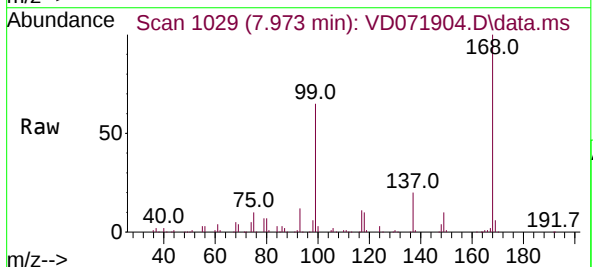
Tgt Ion: 117 Resp: 44717

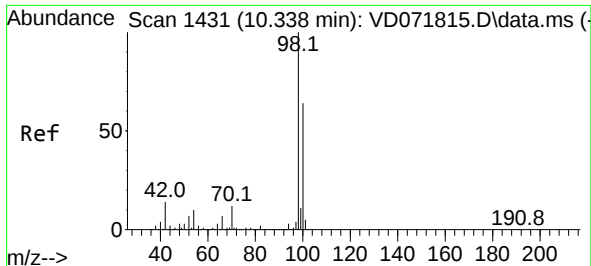
Ion Ratio Lower Upper

117 100

119 7.0 75.8 113.6#

121 0.0 24.5 36.7#

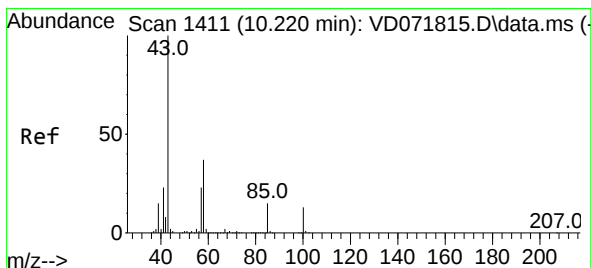
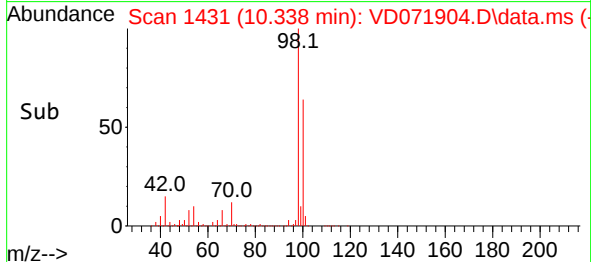
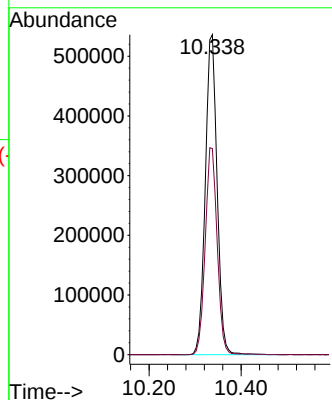
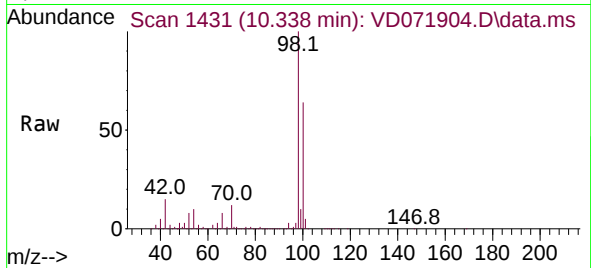




#50
Toluene-d8
Concen: 52.400 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

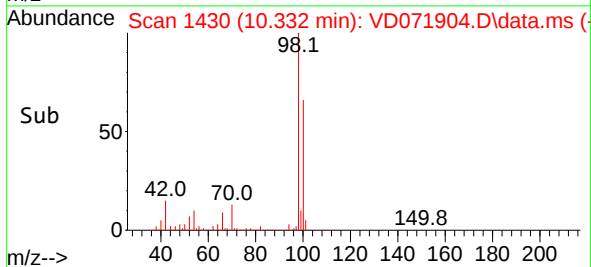
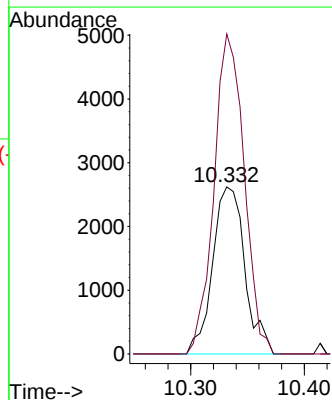
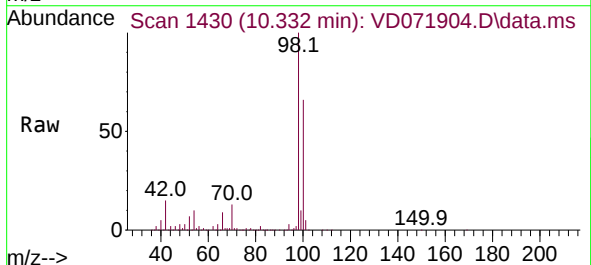
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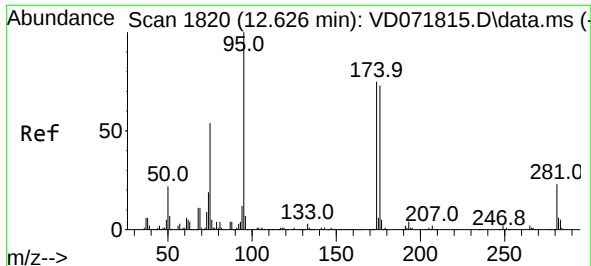
Tgt Ion: 98 Resp: 959836
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.404 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

Tgt Ion: 43 Resp: 5168
Ion Ratio Lower Upper
43 100
58 179.6 28.6 43.0#

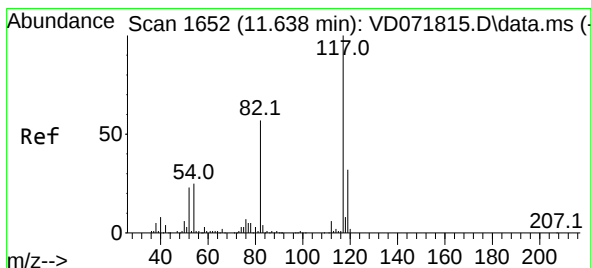
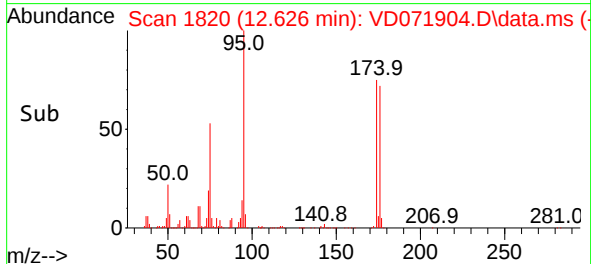
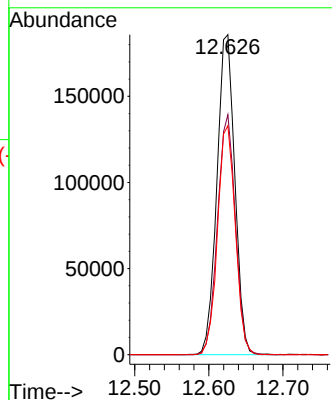
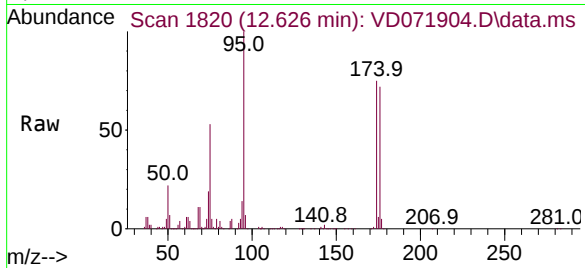




#62
4-Bromofluorobenzene
Concen: 48.745 ug/l
RT: 12.626 min Scan# 11810
Delta R.T. -0.000 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

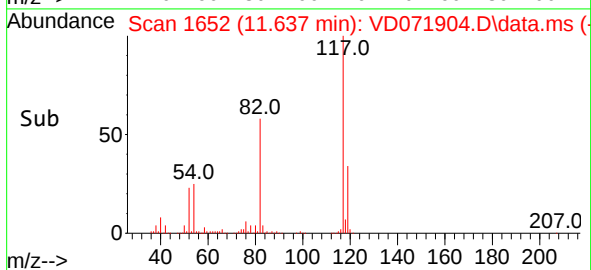
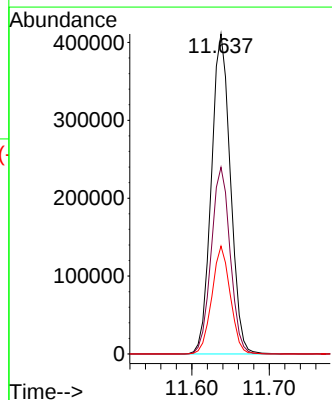
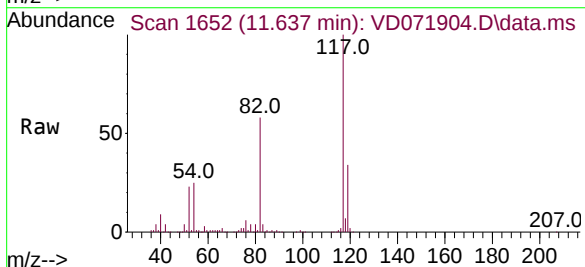
Instrument :
MSVOA_D
ClientSampleId :
RO-124030

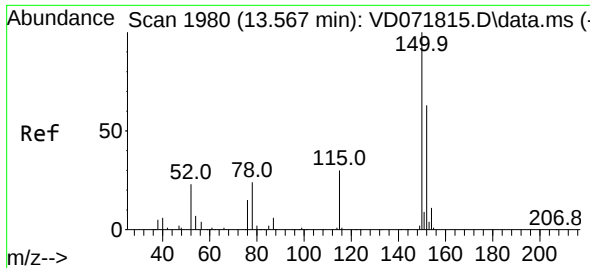
Tgt Ion: 95 Resp: 311810
Ion Ratio Lower Upper
95 100
174 74.8 0.0 152.8
176 71.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

Tgt Ion: 117 Resp: 702579
Ion Ratio Lower Upper
117 100
82 58.4 45.3 67.9
119 33.7 26.6 40.0

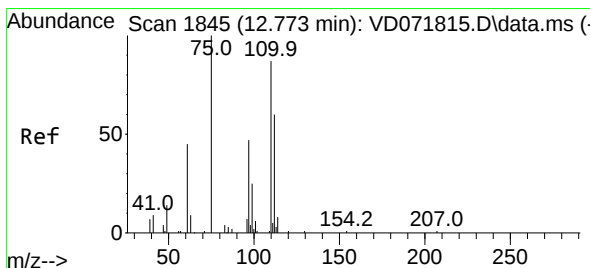
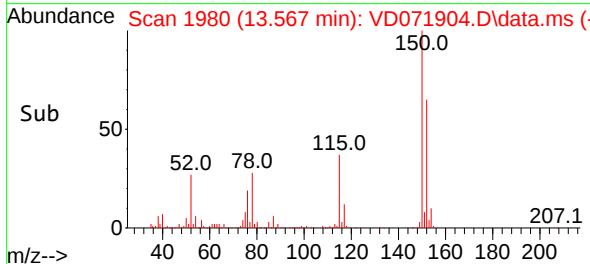
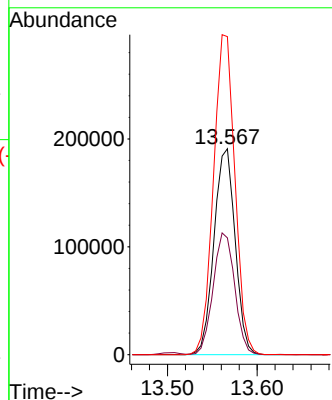
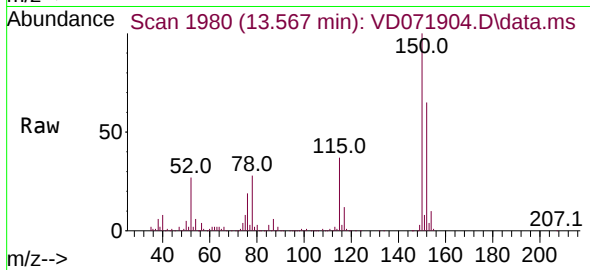




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: VD071904.D
 Acq: 04 Feb 2022 17:50

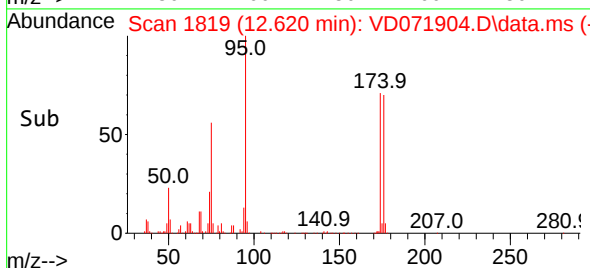
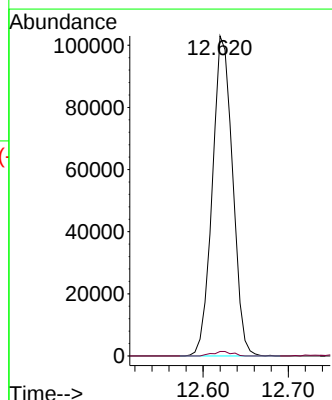
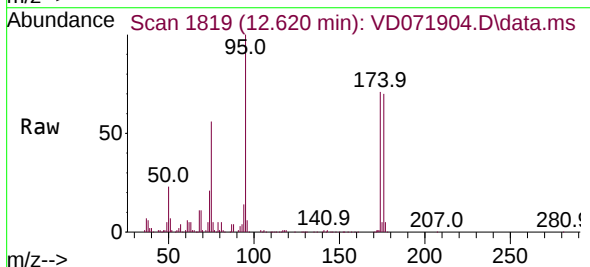
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-124030

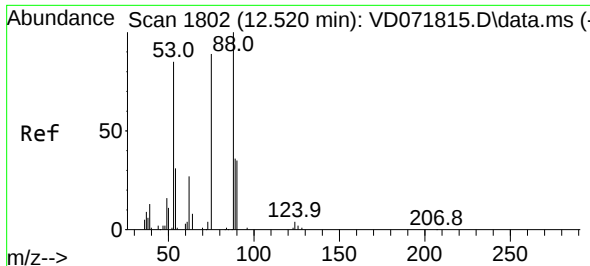
Tgt Ion:152 Resp: 313206
 Ion Ratio Lower Upper
 152 100
 115 60.1 31.3 93.8
 150 157.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 51.687 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD071904.D
 Acq: 04 Feb 2022 17:50

Tgt Ion: 75 Resp: 170608
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

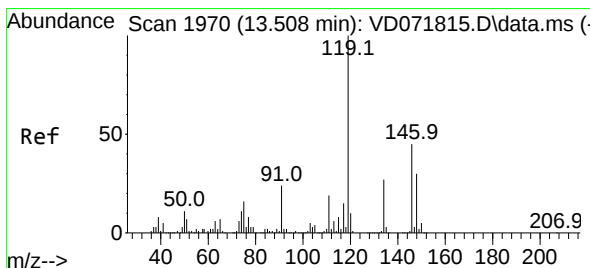
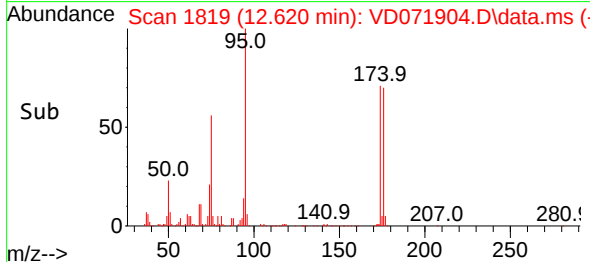
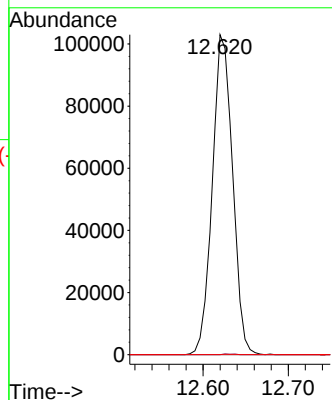
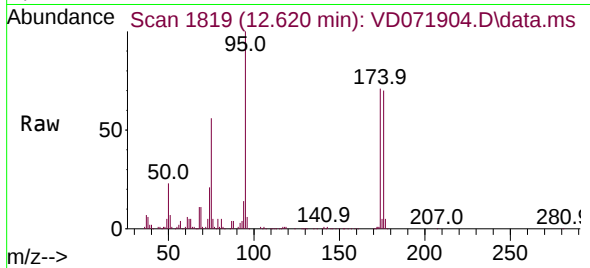




#81
trans-1,4-Dichloro-2-butene
Concen: 127.086 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

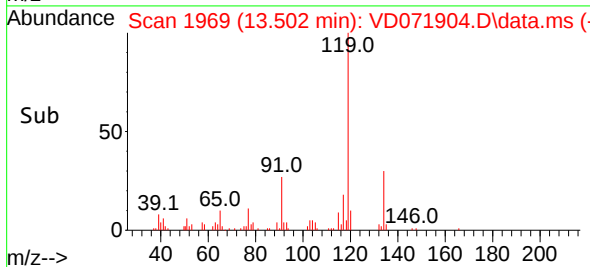
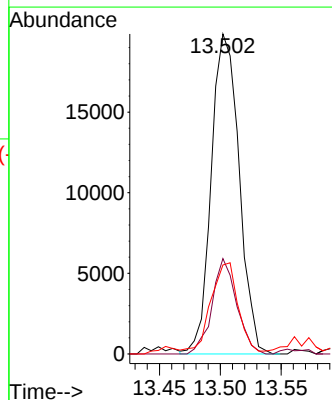
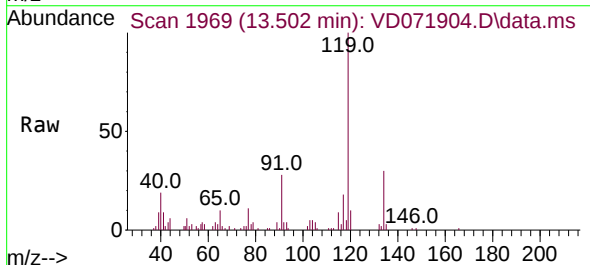
Instrument :
MSVOA_D
ClientSampleId :
RO-124030

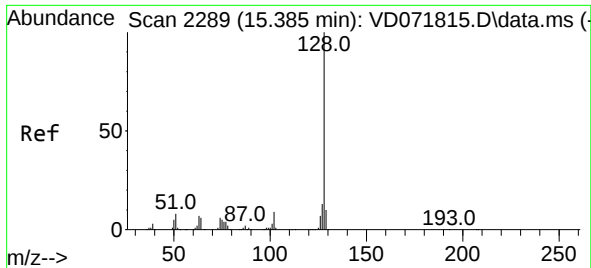
Tgt Ion: 75 Resp: 170608
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#86
p-Isopropyltoluene
Concen: 1.491 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD071904.D
Acq: 04 Feb 2022 17:50

Tgt Ion: 119 Resp: 31607
Ion Ratio Lower Upper
119 100
134 26.3 12.9 38.6
91 28.5 12.1 36.3





#95

Naphthalene

Concen: 23.037 ug/l

RT: 15.384 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD071904.D

Acq: 04 Feb 2022 17:50

Instrument :

MSVOA_D

ClientSampleId :

RO-124030

Tgt Ion:128 Resp: 241865

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 11.6 8.4 12.6

