

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010522\
 Data File : VD071612.D
 Acq On : 05 Jan 2022 14:19
 Operator : VA/SY
 Sample : N1007-01
 Misc : 2.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 07:03:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

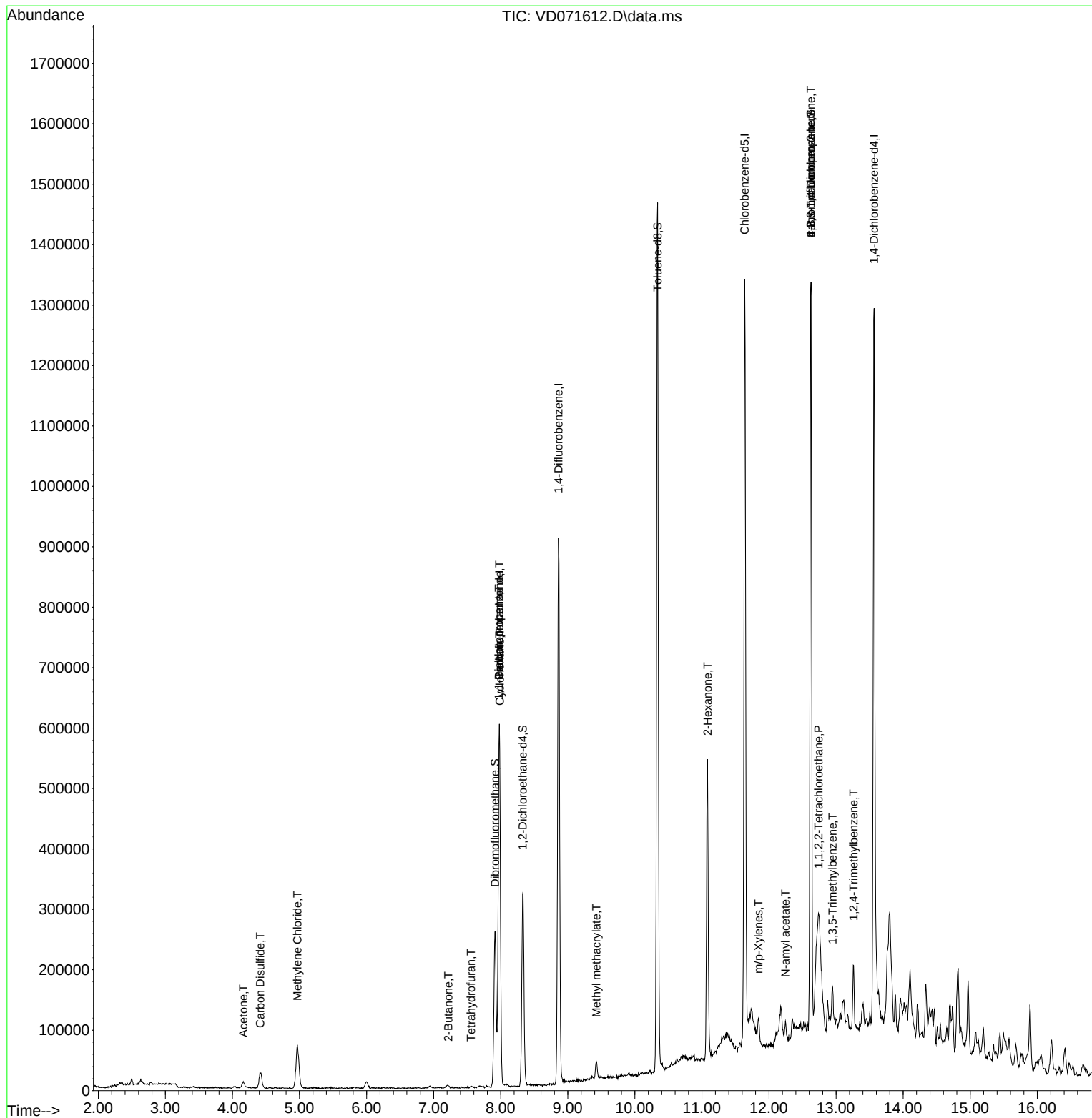
Internal Standards						
1) Pentafluorobenzene	7.979	168	413956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	721376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	663526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	292649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	258428	47.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.020%
35) Dibromofluoromethane	7.914	113	178255	36.767	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.540%
50) Toluene-d8	10.338	98	922265	50.338	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.626	95	307621	47.250	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.226	59	275	Below Cal	#	71
16) Acetone	4.162	43	18792	13.608	ug/l #	80
17) Carbon Disulfide	4.415	76	55162	3.926	ug/l	100
20) Methylene Chloride	4.967	84	48346	2.927	ug/l #	92
25) 2-Butanone	7.220	43	5307	3.217	ug/l #	69
29) Tetrahydrofuran	7.556	42	1110	1.121	ug/l #	67
31) Cyclohexane	7.985	56	13825	1.480	ug/l #	38
36) 1,1-Dichloropropene	7.973	75	39962	5.159	ug/l #	50
38) Carbon Tetrachloride	7.979	117	47378	6.200	ug/l #	17
48) Methyl methacrylate	9.426	41	8932	2.543	ug/l #	38
59) 2-Hexanone	11.085	43	85774	32.502	ug/l #	45
68) m/p-Xylenes	11.844	106	11214	1.165	ug/l	94
74) N-amyl acetate	12.244	43	12380	2.045	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.738	83	62275	15.267	ug/l #	26
76) 1,2,3-Trichloropropane	12.626	75	179844	51.721	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	20572	1.105	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.626	75	179844	146.139	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.261	105	61531	3.341	ug/l	97

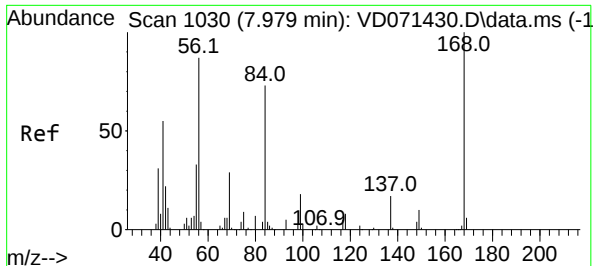
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071612\
Data File : VD071612.D
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Quant Time: Jan 06 07:03:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
Response via : Initial Calibration

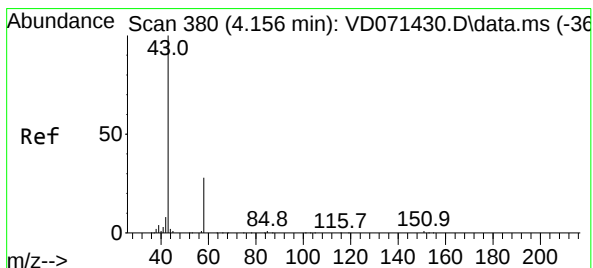
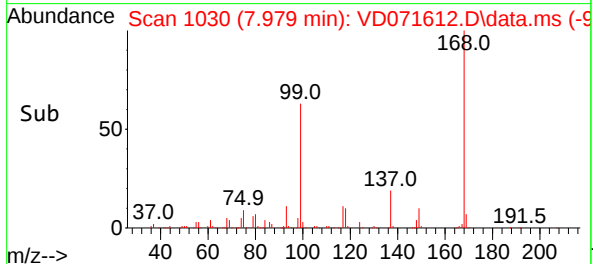
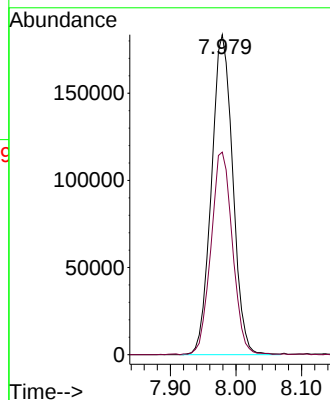
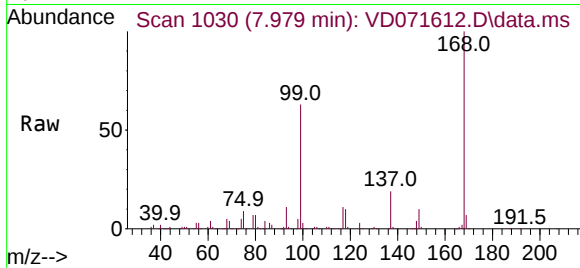




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

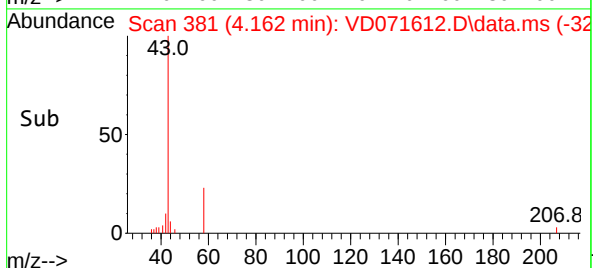
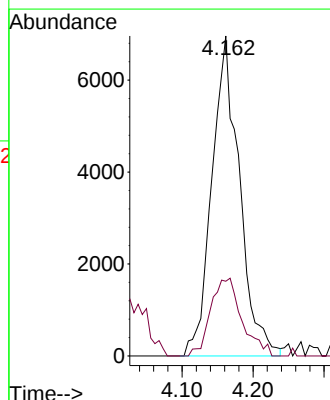
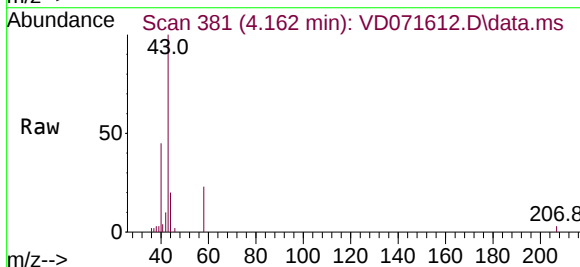
Instrument :
MSVOA_D
ClientSampleId :

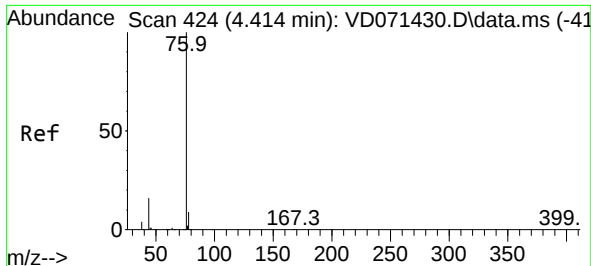
Tgt Ion:168 Resp: 413956
Ion Ratio Lower Upper
168 100
99 63.3 46.6 69.8



#16
Acetone
Concen: 13.608 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

Tgt Ion: 43 Resp: 18792
Ion Ratio Lower Upper
43 100
58 23.4 27.8 41.8#

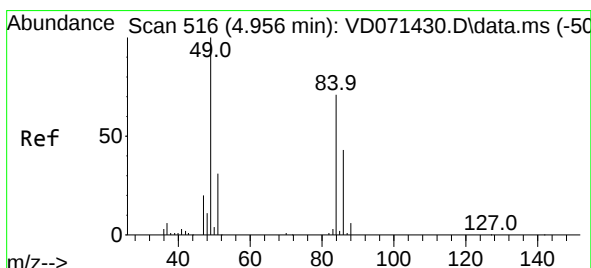
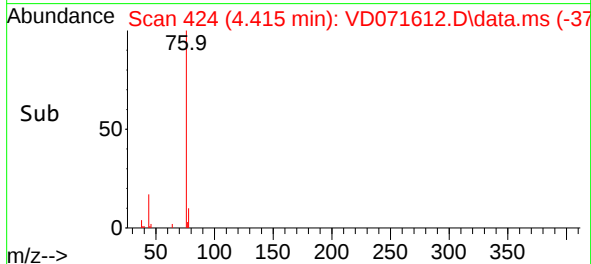
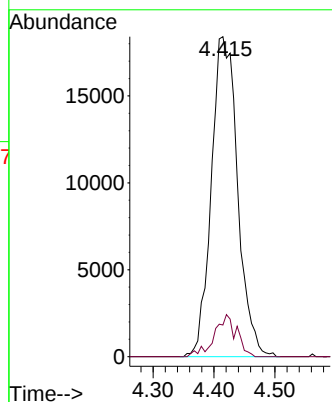
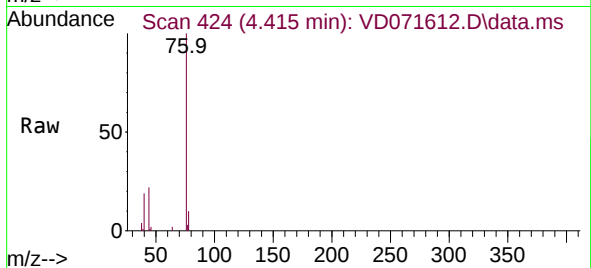




#17
Carbon Disulfide
Concen: 3.926 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

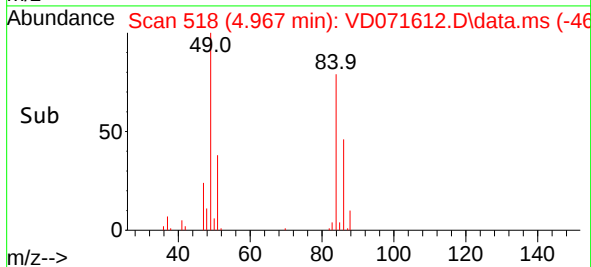
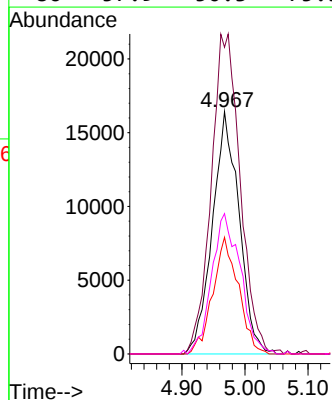
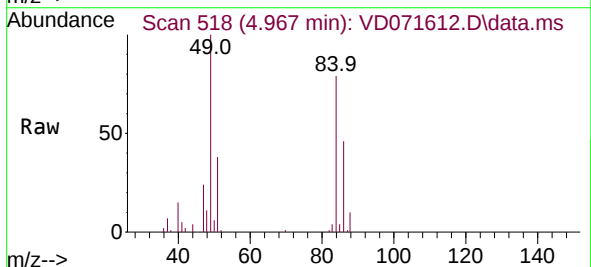
Instrument :
MSVOA_D
ClientSampleId :

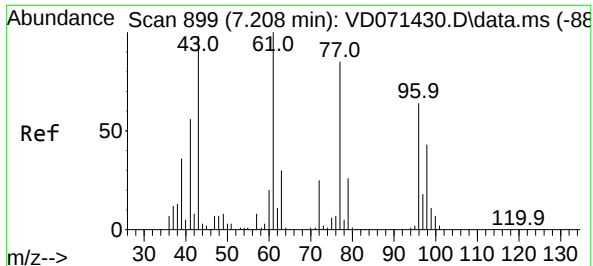
Tgt Ion: 76 Resp: 55162
Ion Ratio Lower Upper
76 100
78 9.9 7.8 11.8



#20
Methylene Chloride
Concen: 2.927 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

Tgt Ion: 84 Resp: 48346
Ion Ratio Lower Upper
84 100
49 126.5 95.8 143.6
51 48.1 30.9 46.3#
86 57.9 50.3 75.5

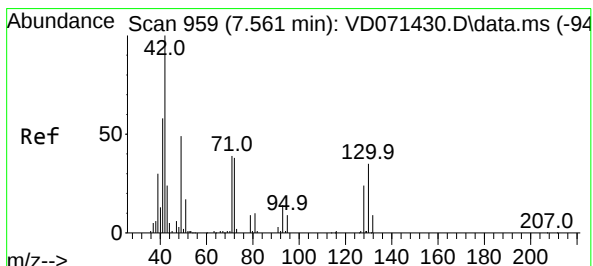
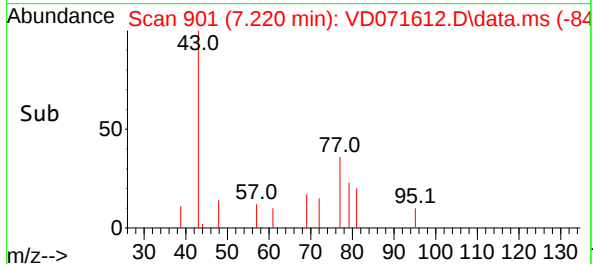
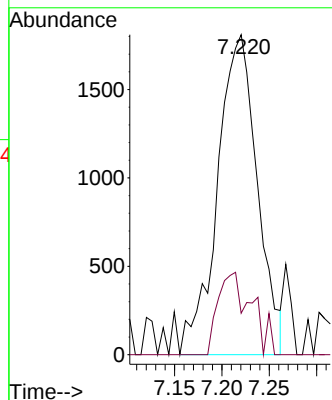
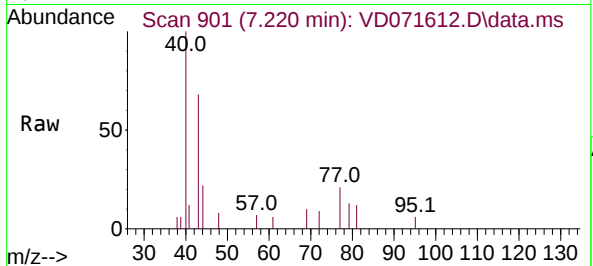




#25
2-Butanone
Concen: 3.217 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

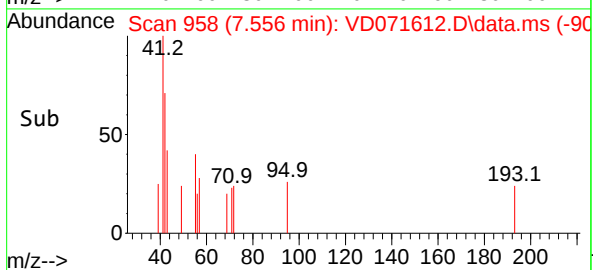
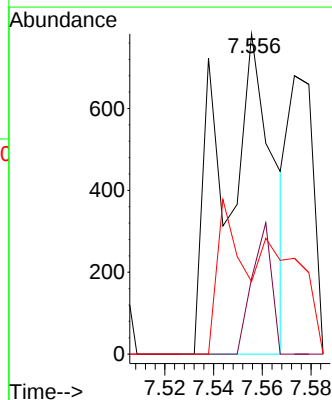
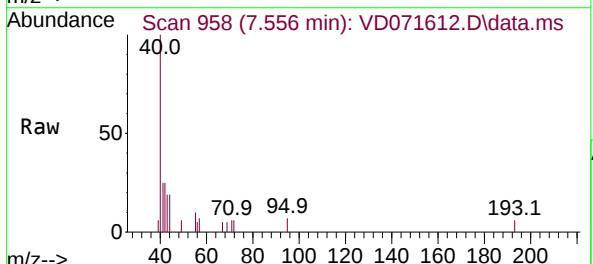
Instrument :
MSVOA_D
ClientSampleId :

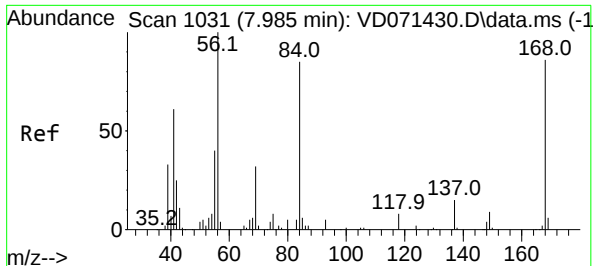
Tgt Ion: 43 Resp: 5307
Ion Ratio Lower Upper
43 100
72 13.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.121 ug/l
RT: 7.556 min Scan# 958
Delta R.T. 0.001 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

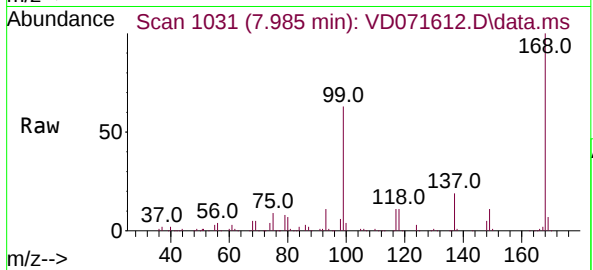
Tgt Ion: 42 Resp: 1110
Ion Ratio Lower Upper
42 100
72 16.1 33.7 50.5#
71 25.2 32.7 49.1#



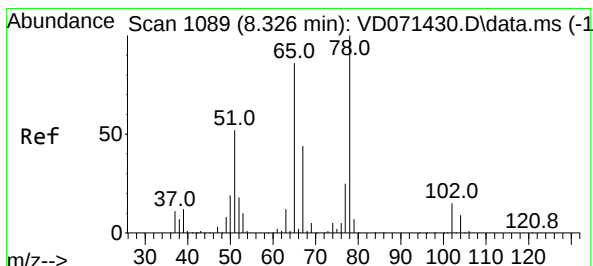
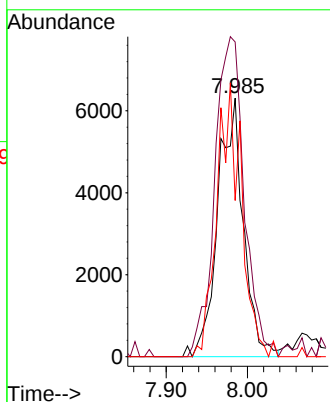
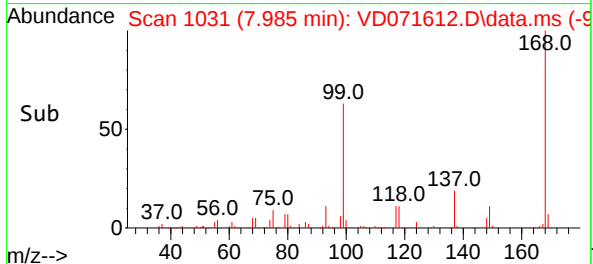


#31
Cyclohexane
Concen: 1.480 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

Instrument :
MSVOA_D
ClientSampleId :

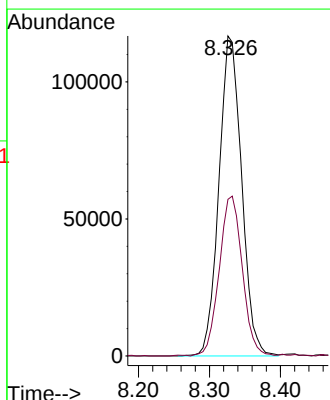
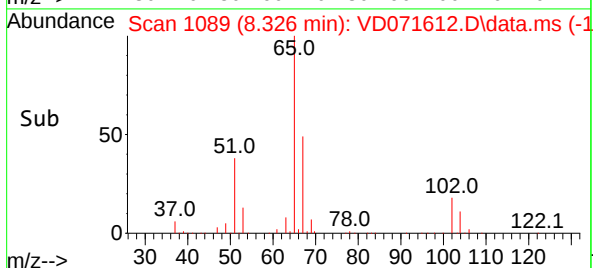
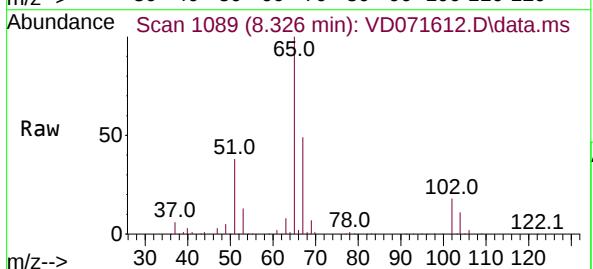


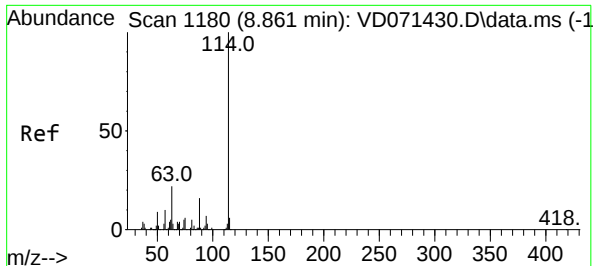
Tgt Ion: 56 Resp: 13825
Ion Ratio Lower Upper
56 100
69 121.7 25.9 38.9#
84 60.4 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 47.007 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

Tgt Ion: 65 Resp: 258428
Ion Ratio Lower Upper
65 100
67 50.8 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071612.D

Acq: 05 Jan 2022 14:19

Instrument :

MSVOA_D

ClientSampleId :

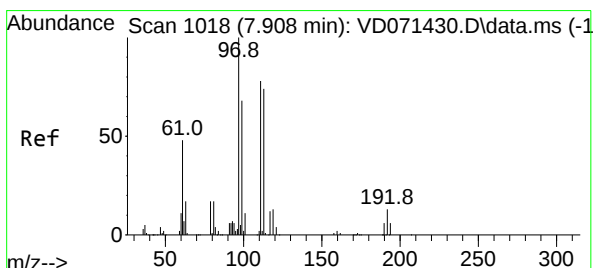
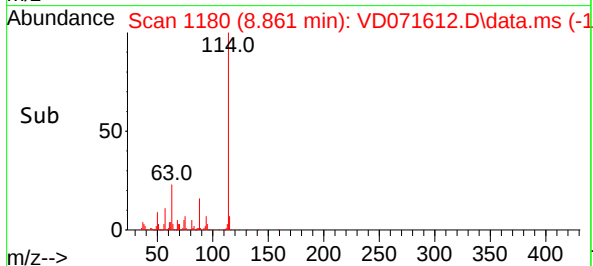
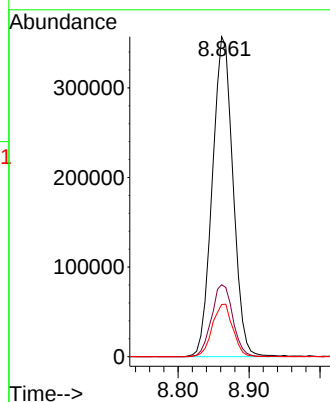
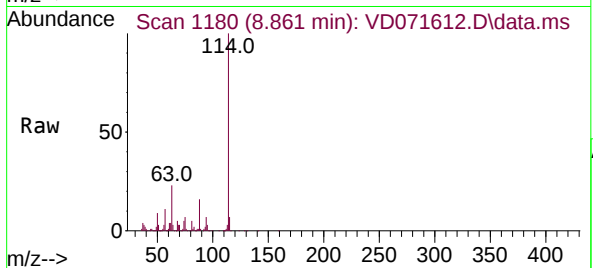
Tgt Ion:114 Resp: 721376

Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.8

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 36.767 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071612.D

Acq: 05 Jan 2022 14:19

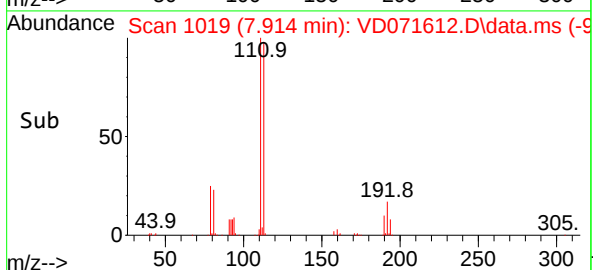
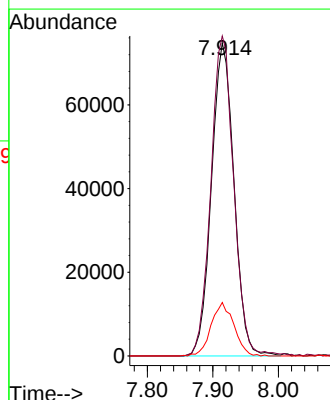
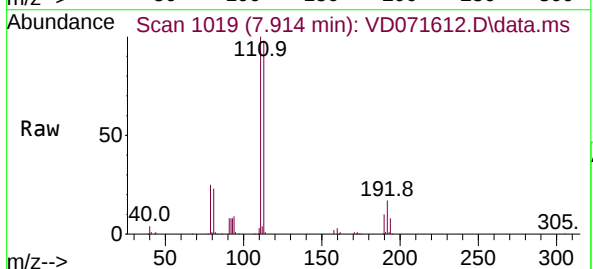
Tgt Ion:113 Resp: 178255

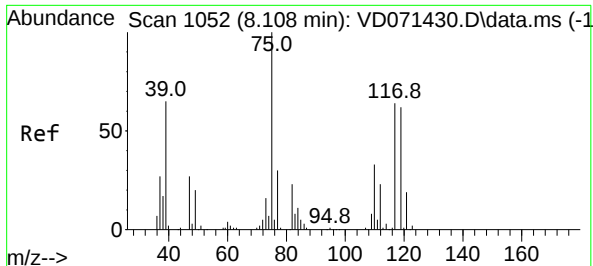
Ion Ratio Lower Upper

113 100

111 103.8 82.0 123.0

192 17.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.159 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

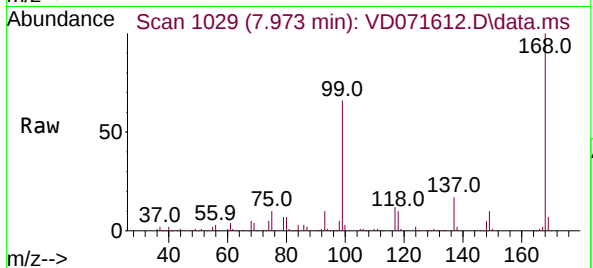
Lab File: VD071612.D

Acq: 05 Jan 2022 14:19

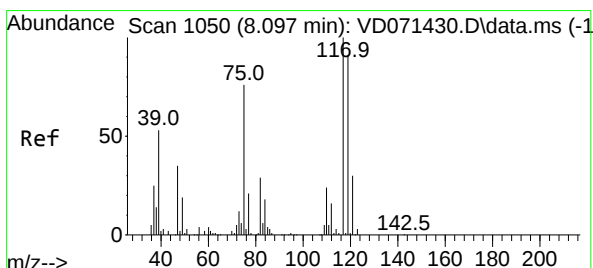
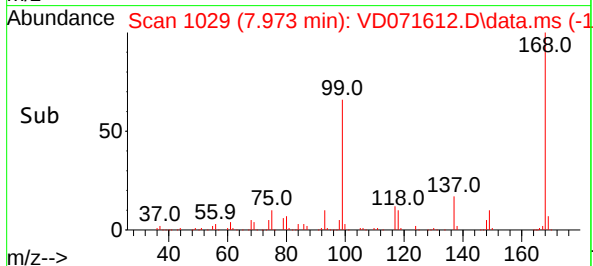
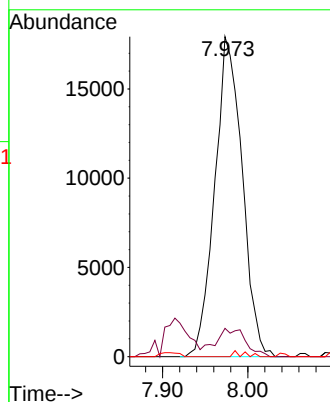
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 39962
Ion Ratio	Lower Upper
75	100
110	9.2 17.8 53.4#
77	0.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.200 ug/l

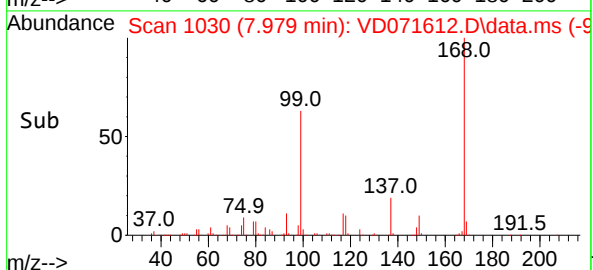
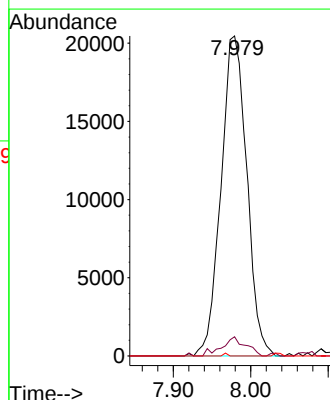
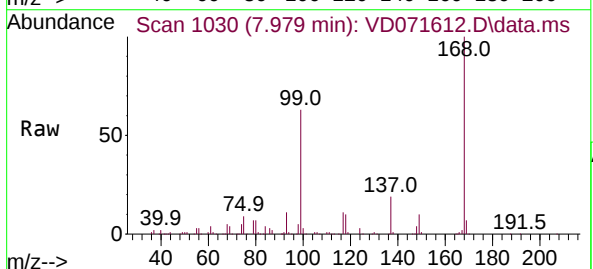
RT: 7.979 min Scan# 1030

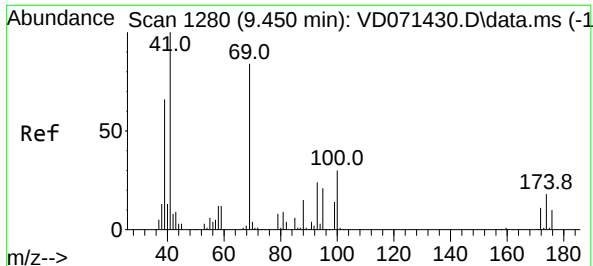
Delta R.T. -0.118 min

Lab File: VD071612.D

Acq: 05 Jan 2022 14:19

Tgt Ion: 117	Resp: 47378
Ion Ratio	Lower Upper
117	100
119	6.0 75.8 113.6#
121	0.0 23.6 35.4#

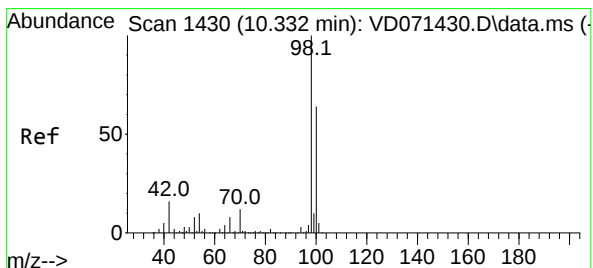
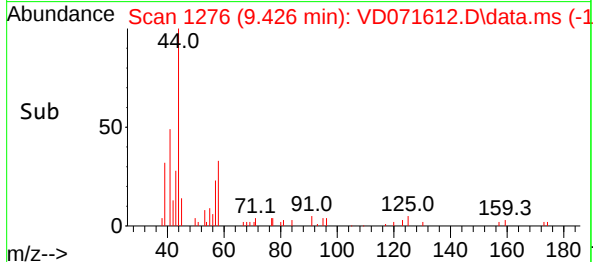
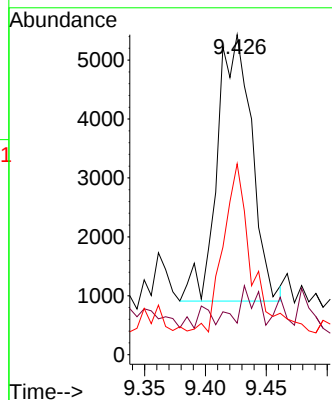
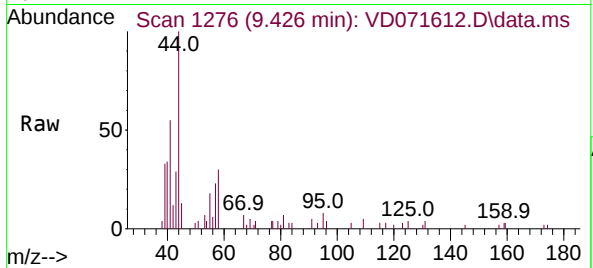




#48
Methyl methacrylate
Concen: 2.543 ug/l
RT: 9.426 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

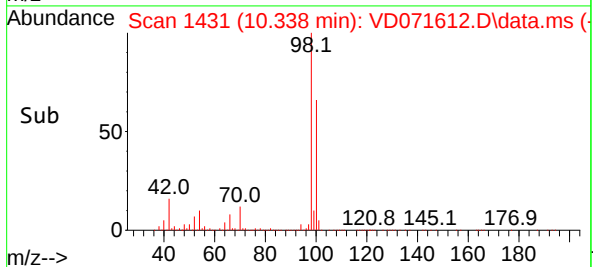
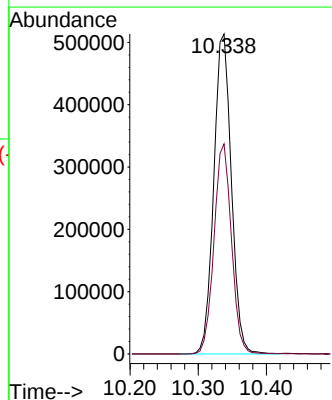
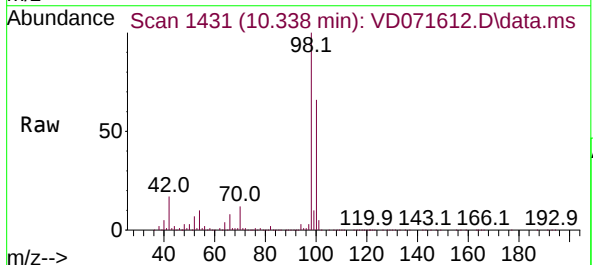
Instrument :
MSVOA_D
ClientSampleId :

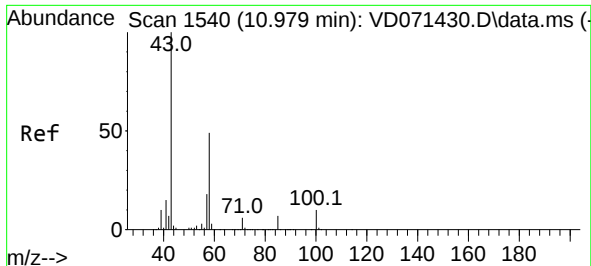
Tgt Ion: 41 Resp: 8932
Ion Ratio Lower Upper
41 100
69 7.9 69.8 104.6#
39 55.0 35.6 53.4#



#50
Toluene-d8
Concen: 50.338 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

Tgt Ion: 98 Resp: 922265
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6

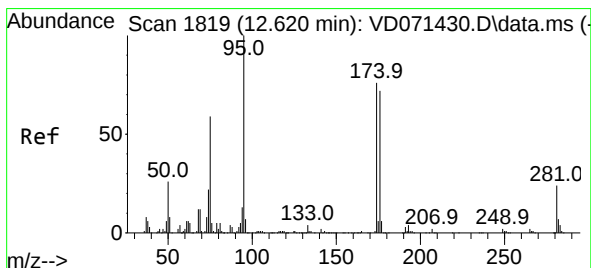
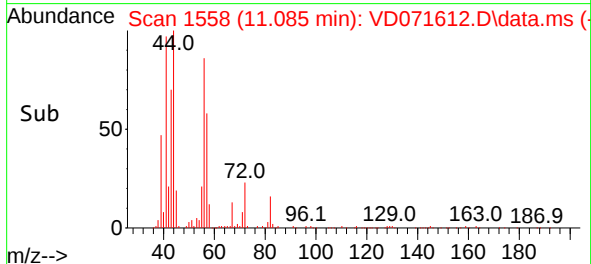
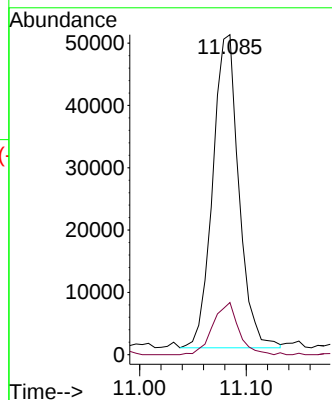
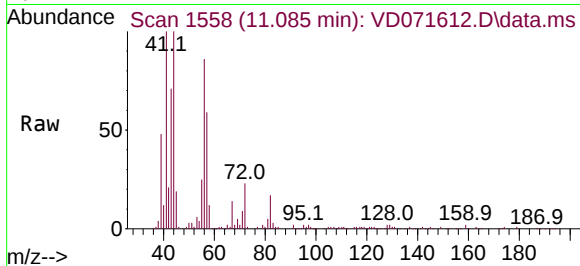




#59
2-Hexanone
Concen: 32.502 ug/l
RT: 11.085 min Scan# 11085
Delta R.T. 0.106 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

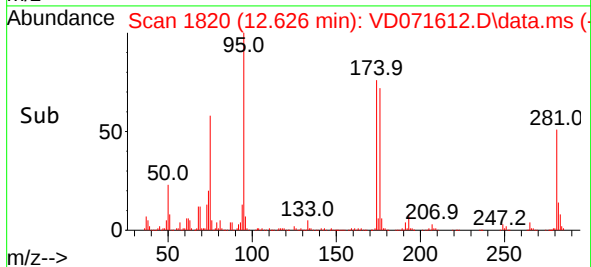
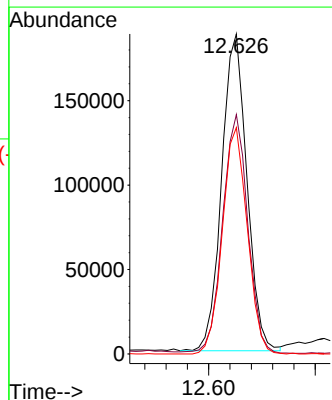
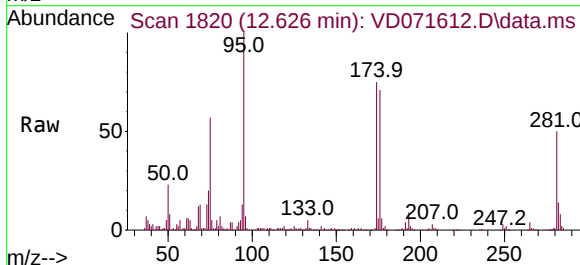
Instrument :
MSVOA_D
ClientSampleId :

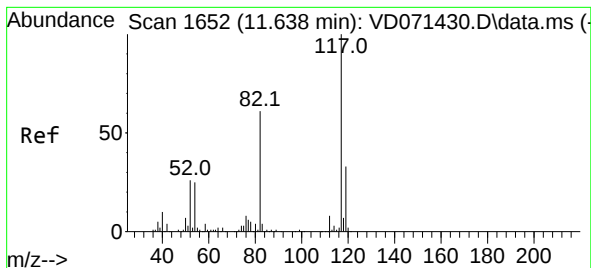
Tgt Ion: 43 Resp: 85774
Ion Ratio Lower Upper
43 100
58 16.5 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 47.250 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

Tgt Ion: 95 Resp: 307621
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 70.8 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1652

Delta R.T. -0.000 min

Lab File: VD071612.D

Acq: 05 Jan 2022 14:19

Instrument :

MSVOA_D

ClientSampleId :

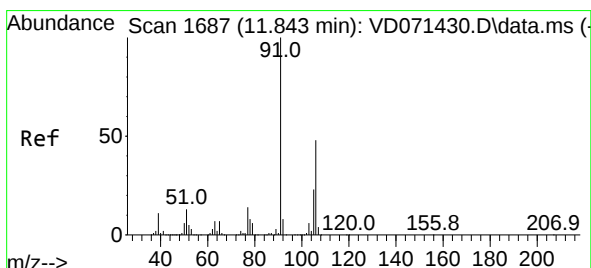
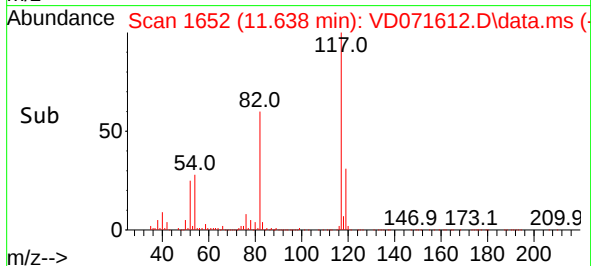
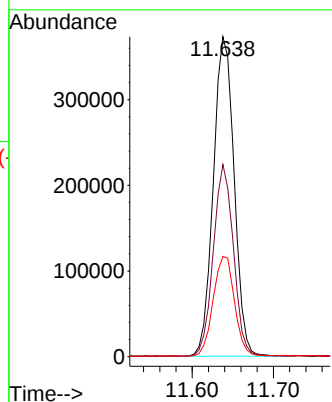
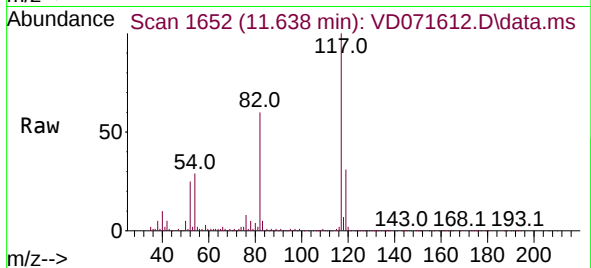
Tgt Ion:117 Resp: 663526

Ion Ratio Lower Upper

117 100

82 60.0 44.7 67.1

119 31.3 26.2 39.4



#68

m/p-Xylenes

Concen: 1.165 ug/l

RT: 11.844 min Scan# 1687

Delta R.T. 0.001 min

Lab File: VD071612.D

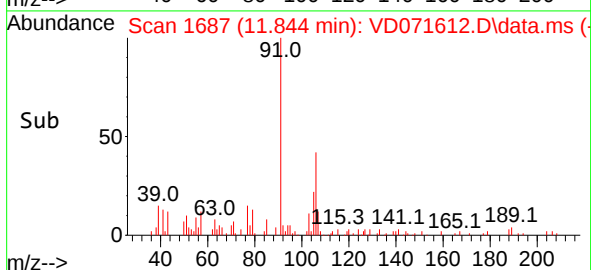
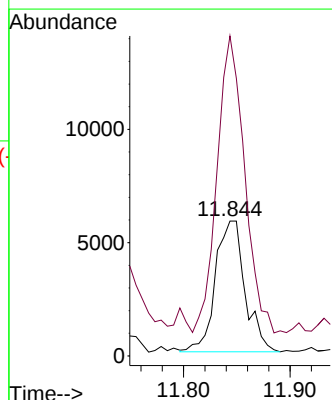
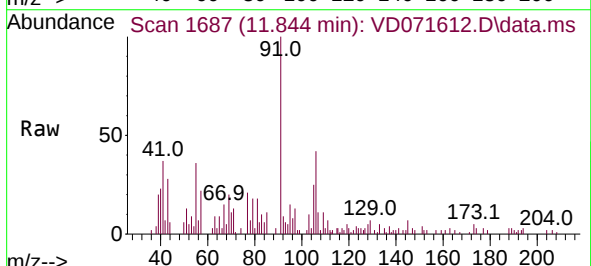
Acq: 05 Jan 2022 14:19

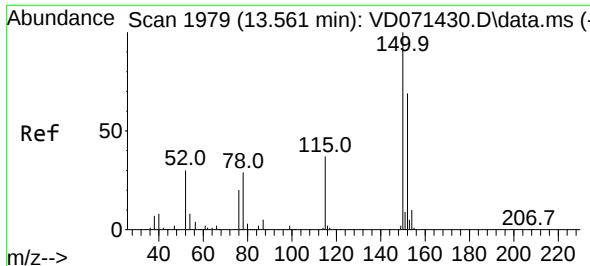
Tgt Ion:106 Resp: 11214

Ion Ratio Lower Upper

106 100

91 209.7 160.1 240.1

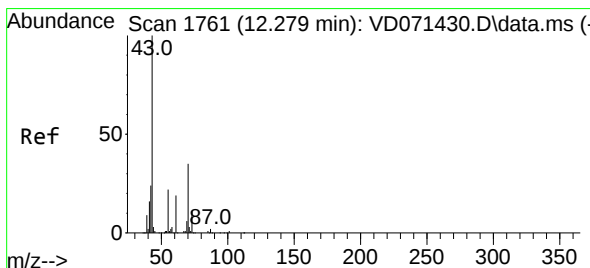
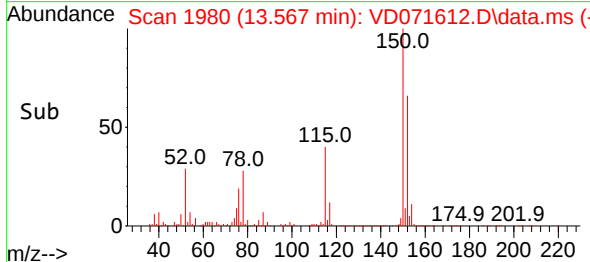
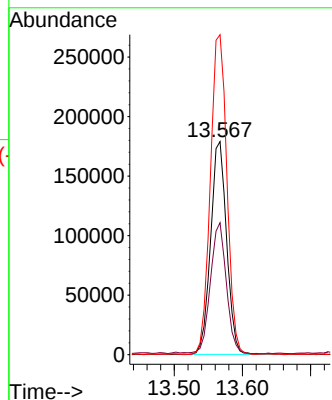
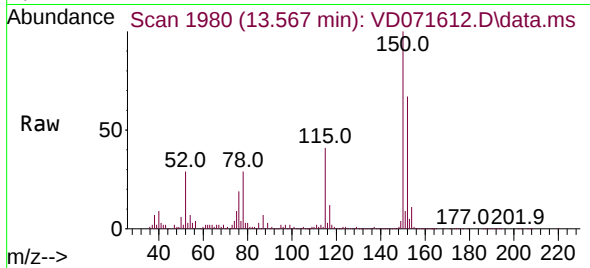




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

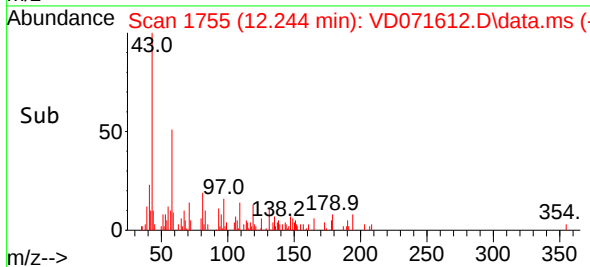
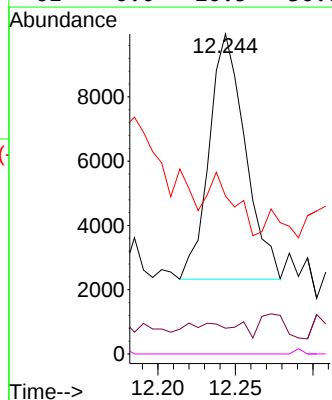
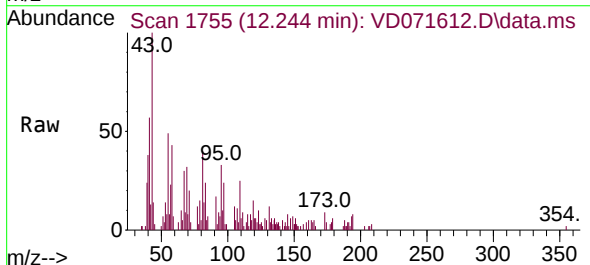
Instrument :
MSVOA_D
ClientSampleId :

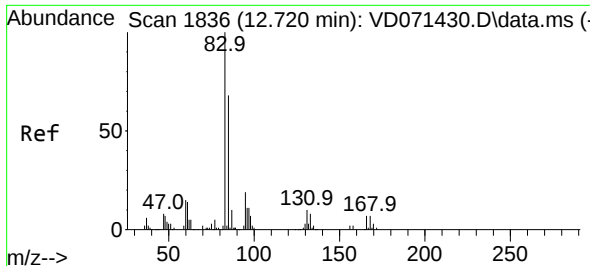
Tgt Ion:152 Resp: 292649
Ion Ratio Lower Upper
152 100
115 61.5 29.8 89.3
150 155.2 0.0 349.2



#74
N-ethyl acetate
Concen: 2.045 ug/l
RT: 12.244 min Scan# 1755
Delta R.T. -0.035 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

Tgt Ion: 43 Resp: 12380
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 16.3 22.5 33.7#
61 0.0 20.5 30.7#

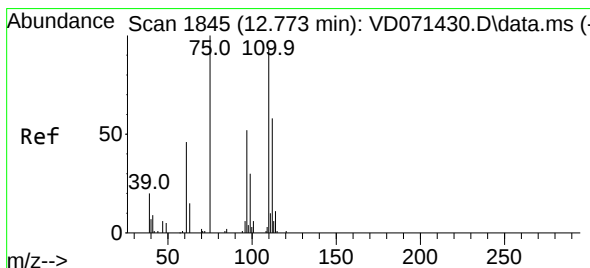
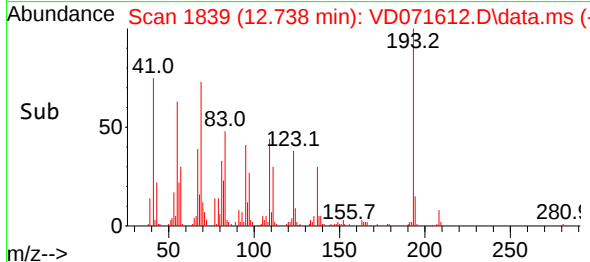
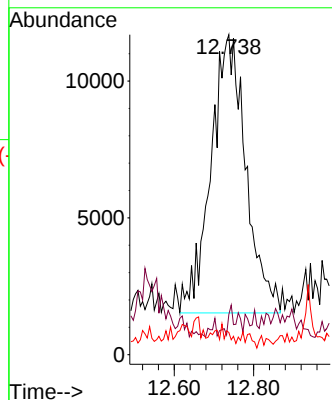
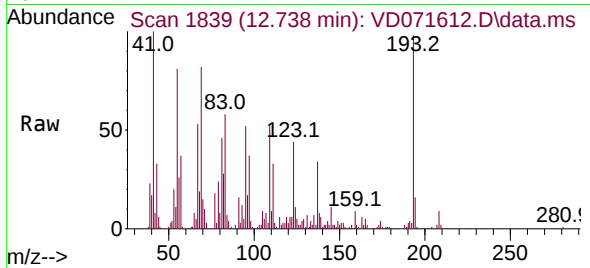




#75
1,1,2,2-Tetrachloroethane
Concen: 15.267 ug/l
RT: 12.738 min Scan# 1839
Delta R.T. 0.018 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

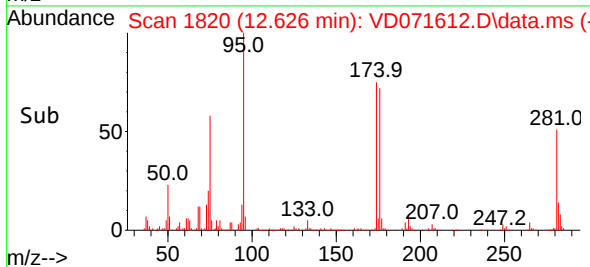
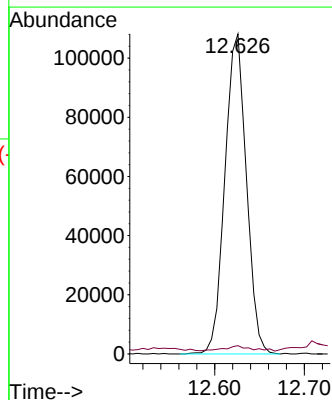
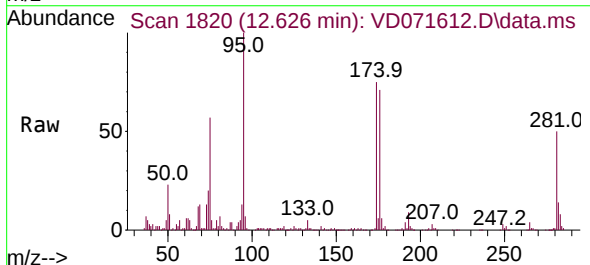
Instrument :
MSVOA_D
ClientSampleId :

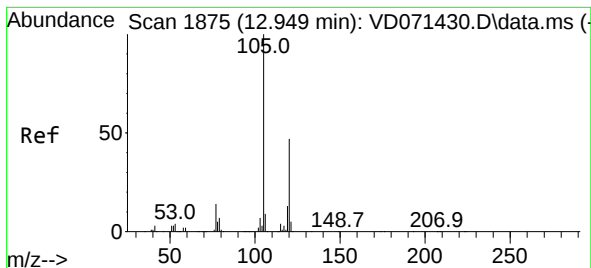
Tgt Ion: 83 Resp: 62275
Ion Ratio Lower Upper
83 100
131 1.1 4.9 14.7#
85 0.0 32.0 96.2#



#76
1,2,3-Trichloropropane
Concen: 51.721 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071612.D
Acq: 05 Jan 2022 14:19

Tgt Ion: 75 Resp: 179844
Ion Ratio Lower Upper
75 100
77 2.1 158.4 475.3#





#80

1,3,5-Trimethylbenzene

Concen: 1.105 ug/l

RT: 12.949 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VD071612.D

Acq: 05 Jan 2022 14:19

Instrument :

MSVOA_D

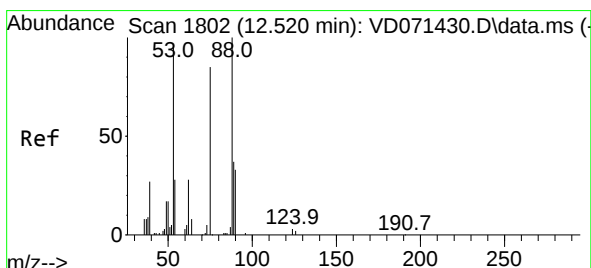
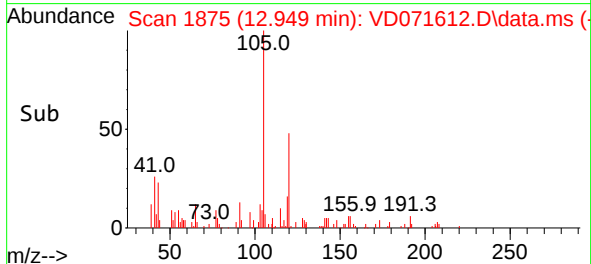
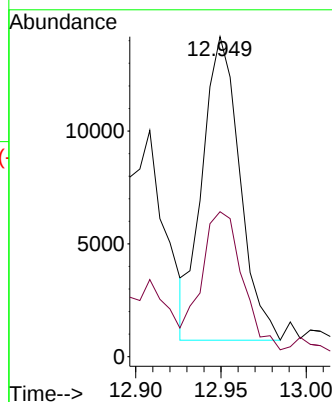
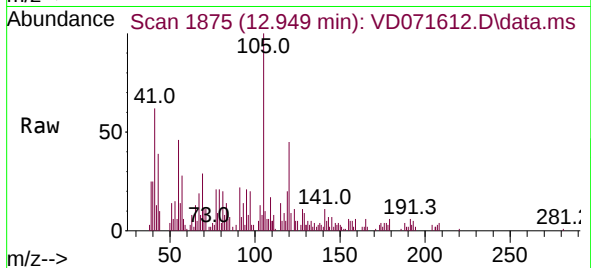
ClientSampleId :

Tgt Ion:105 Resp: 20572

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.8



#81

trans-1,4-Dichloro-2-butene

Concen: 146.139 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.106 min

Lab File: VD071612.D

Acq: 05 Jan 2022 14:19

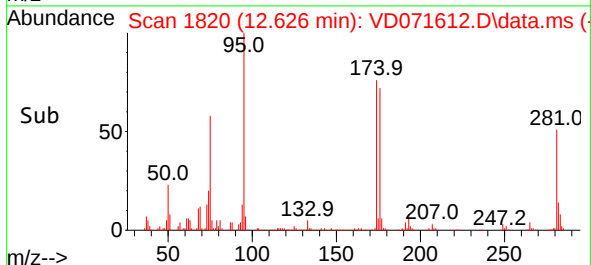
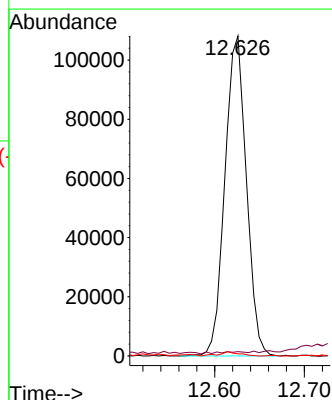
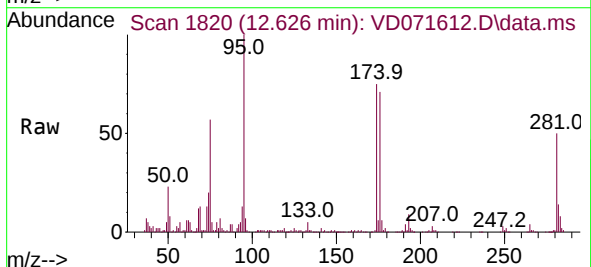
Tgt Ion: 75 Resp: 179844

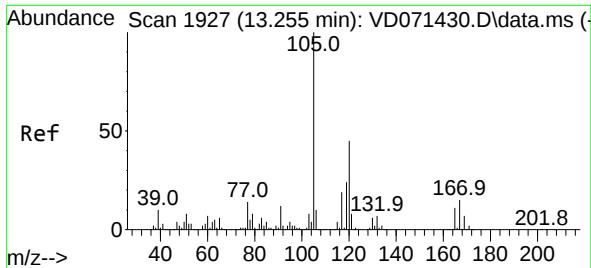
Ion Ratio Lower Upper

75 100

53 0.7 62.6 94.0#

89 1.2 34.5 51.7#





#84
 1,2,4-Trimethylbenzene
 Concen: 3.341 ug/l
 RT: 13.261 min Scan# 1928
 Delta R.T. 0.000 min
 Lab File: VD071612.D
 Acq: 05 Jan 2022 14:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:105 Resp: 61531
 Ion Ratio Lower Upper
 105 100
 120 48.1 22.9 68.7

