

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061322\
 Data File : VD073548.D
 Acq On : 13 Jun 2022 16:12
 Operator : VA/SY
 Sample : N3299-03RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-15

Quant Time: Jun 14 01:28:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

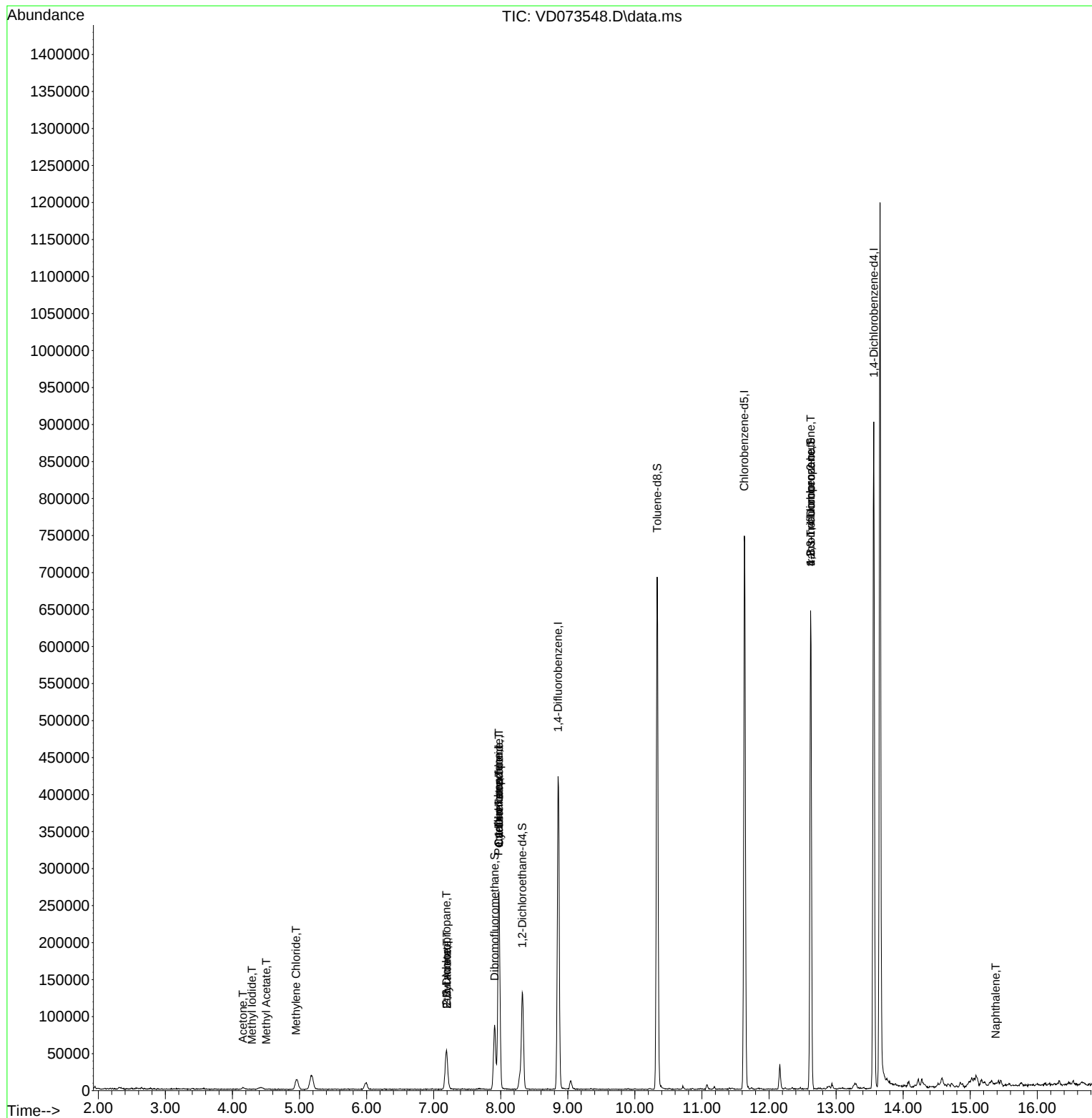
Internal Standards						
1) Pentafluorobenzene	7.967	168	192924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	362894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	443393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	235422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	107105	51.733	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.460%	
35) Dibromofluoromethane	7.908	113	62476	26.773	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 53.540%#	
50) Toluene-d8	10.332	98	470219	53.295	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.600%	
62) 4-Bromofluorobenzene	12.620	95	214238	66.888	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 133.780%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	155	4.233	ug/l #	38
11) Tert butyl alcohol	5.167	59	9637	Below Cal	#	75
16) Acetone	4.156	43	1995	5.473	ug/l #	79
18) Methyl Acetate	4.503	43	73	1.438	ug/l #	55
20) Methylene Chloride	4.950	84	12023	2.136	ug/l #	71
25) 2-Butanone	7.197	43	3561	6.639	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	4261	1.226	ug/l #	54
31) Cyclohexane	7.973	56	4786	1.372	ug/l #	9
36) 1,1-Dichloropropene	7.973	75	16124	4.601	ug/l #	51
37) Ethyl Acetate	7.197	43	3561	2.515	ug/l #	1
38) Carbon Tetrachloride	7.973	117	20037	5.465	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	107108	46.833	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	107108	109.924	ug/l #	7
95) Naphthalene	15.379	128	3112	4.539	ug/l #	91

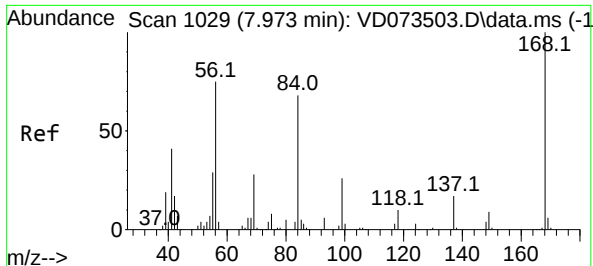
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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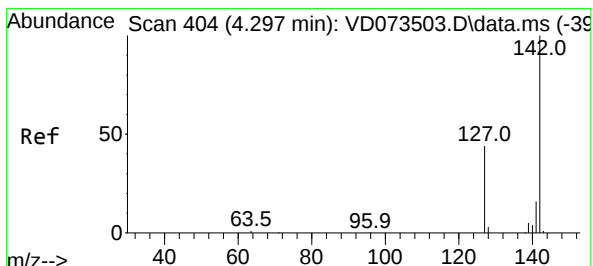
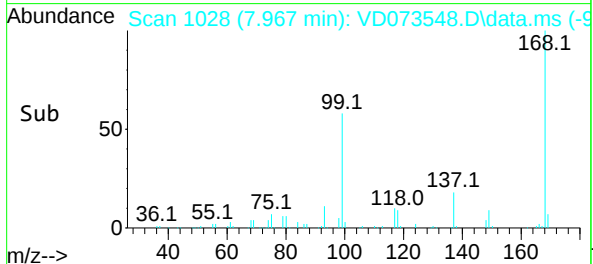
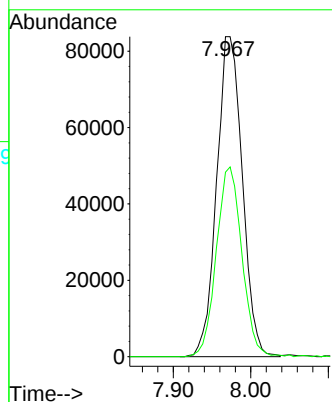
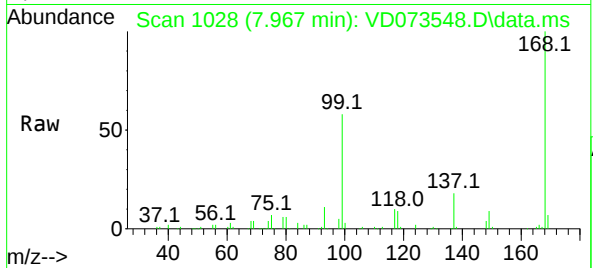




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

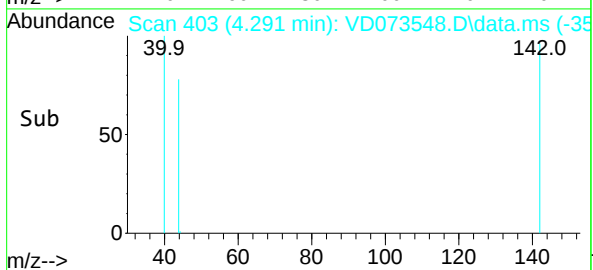
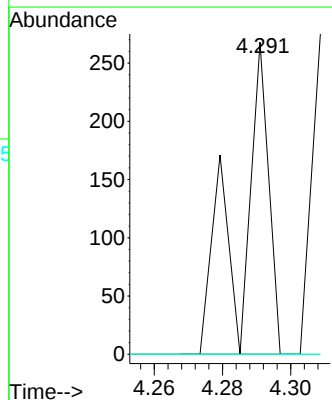
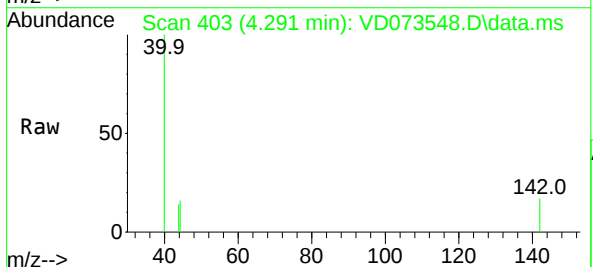
Instrument :
MSVOA_D
ClientSampleId :
SC-15

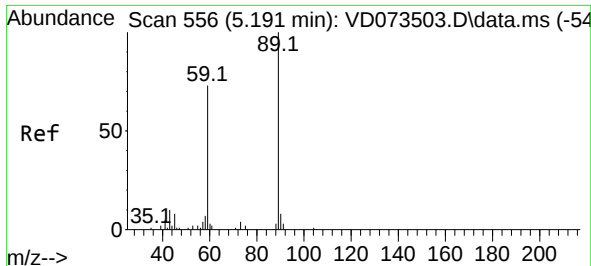
Tgt Ion:168 Resp: 192924
Ion Ratio Lower Upper
168 100
99 57.7 49.8 74.6



#10
Methyl Iodide
Concen: 4.233 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

Tgt Ion:142 Resp: 155
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

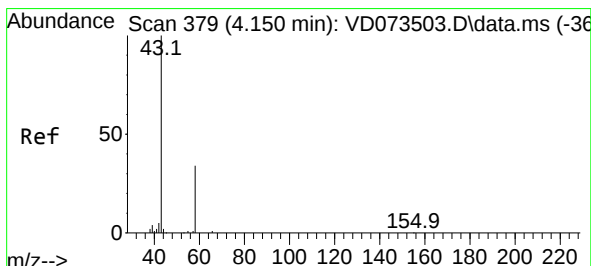
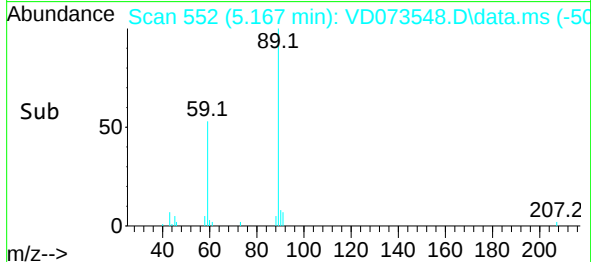
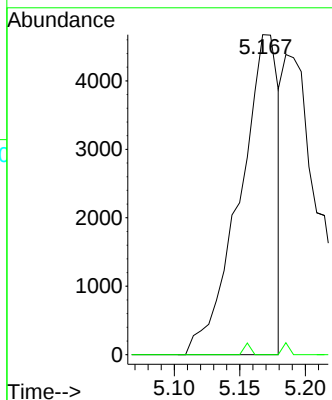
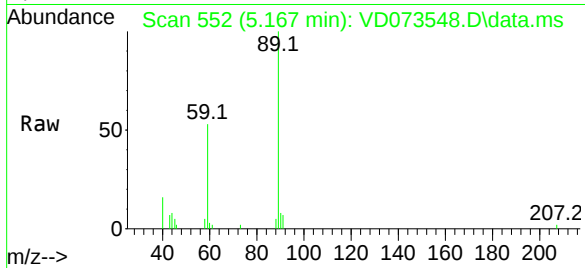




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.167 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

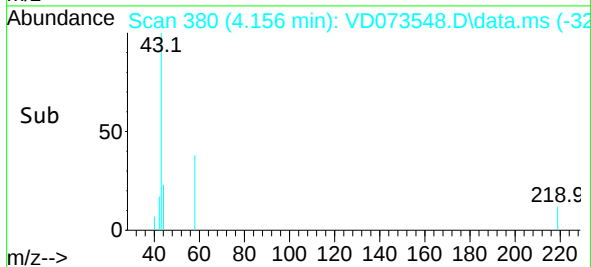
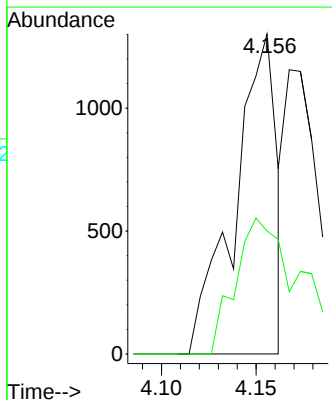
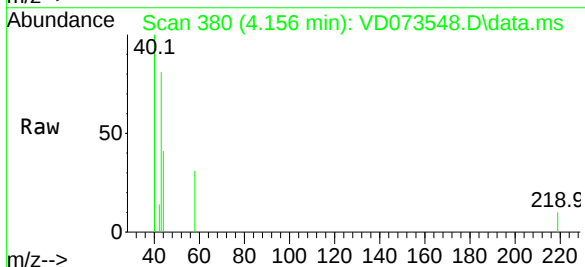
Instrument :
MSVOA_D
ClientSampleId :
SC-15

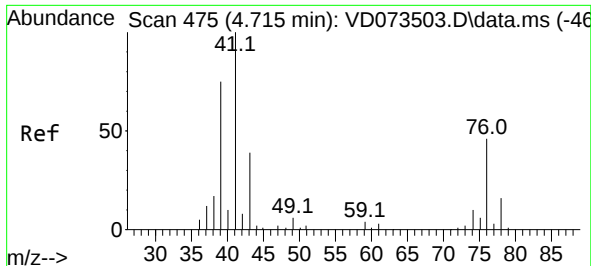
Tgt Ion: 59 Resp: 9637
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.6#



#16
Acetone
Concen: 5.473 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

Tgt Ion: 43 Resp: 1995
Ion Ratio Lower Upper
43 100
58 38.5 22.1 33.1#





#18

Methyl Acetate

Concen: 1.438 ug/l

RT: 4.503 min Scan# 41

Delta R.T. -0.212 min

Lab File: VD073548.D

Acq: 13 Jun 2022 16:12

Instrument :

MSVOA_D

ClientSampleId :

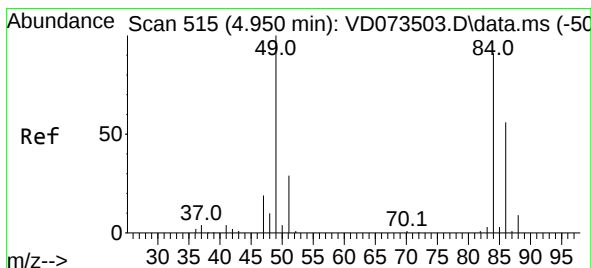
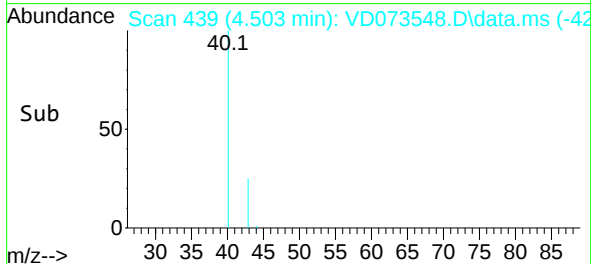
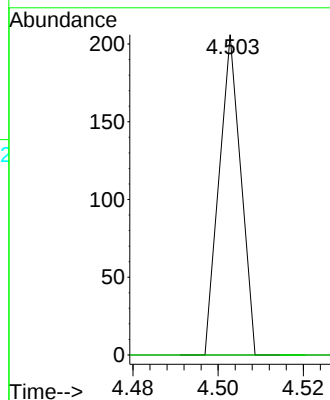
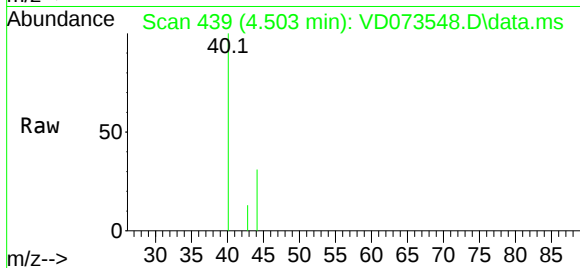
SC-15

Tgt Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 2.136 ug/l

RT: 4.950 min Scan# 515

Delta R.T. -0.000 min

Lab File: VD073548.D

Acq: 13 Jun 2022 16:12

Tgt Ion: 84 Resp: 12023

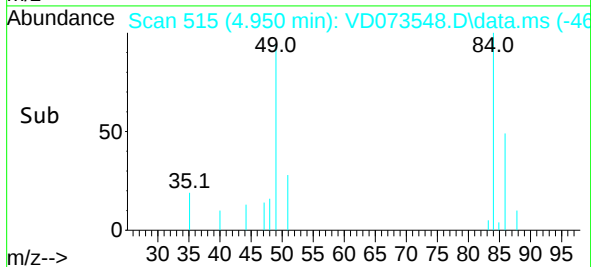
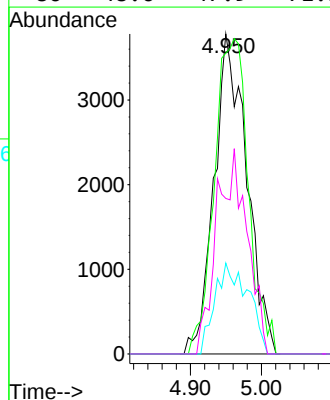
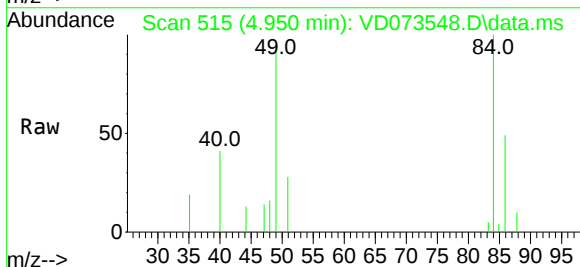
Ion Ratio Lower Upper

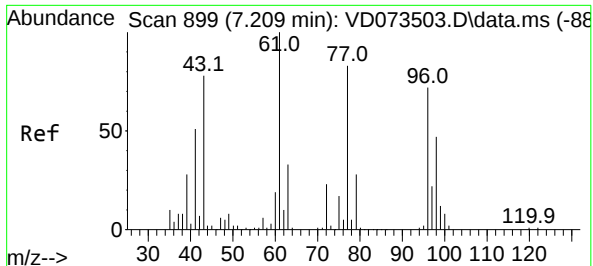
84 100

49 94.0 112.8 169.2#

51 28.4 32.6 48.8#

86 48.6 47.9 71.9

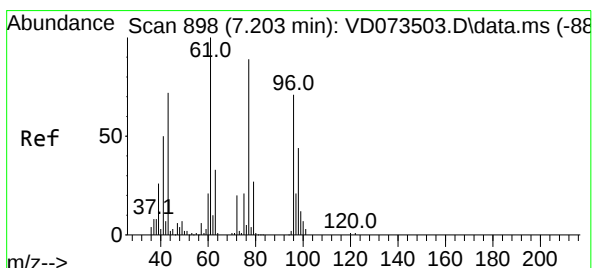
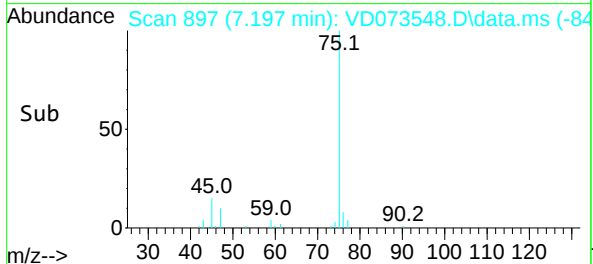
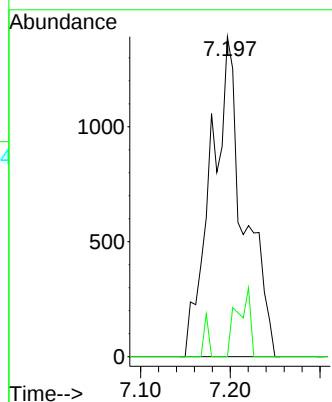
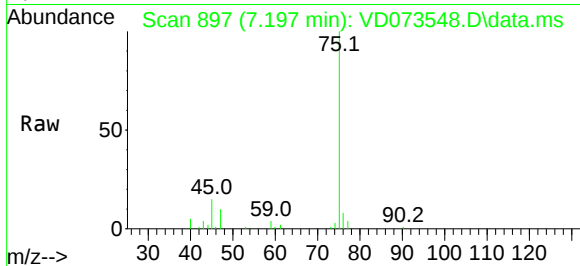




#25
2-Butanone
Concen: 6.639 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

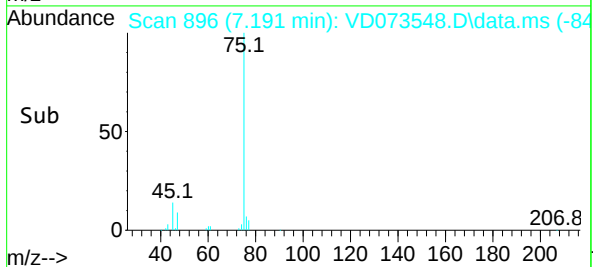
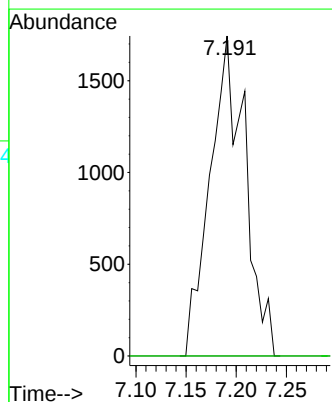
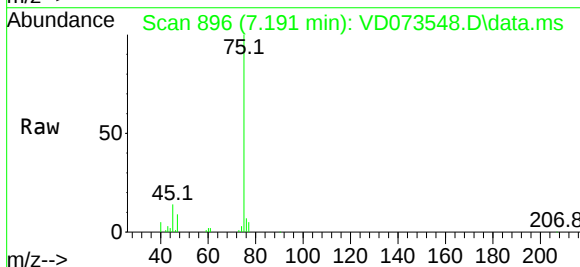
Instrument :
MSVOA_D
ClientSampleId :
SC-15

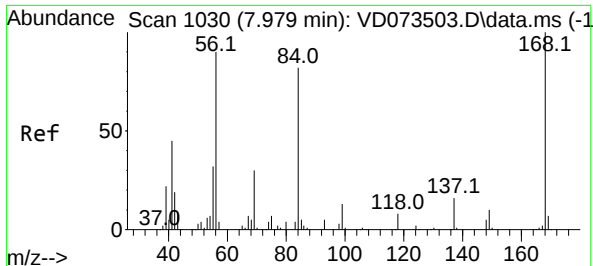
Tgt Ion: 43 Resp: 3561
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#26
2,2-Dichloropropane
Concen: 1.226 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.012 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

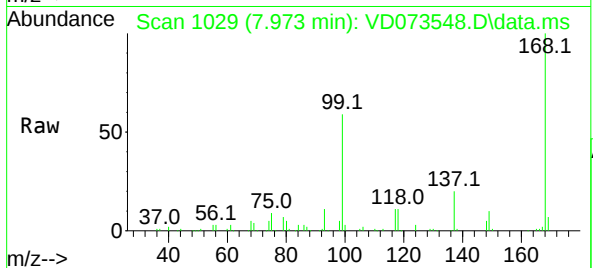
Tgt Ion: 77 Resp: 4261
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



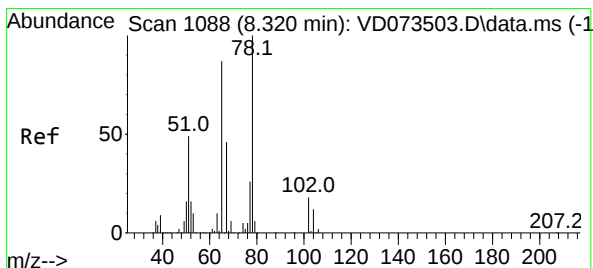
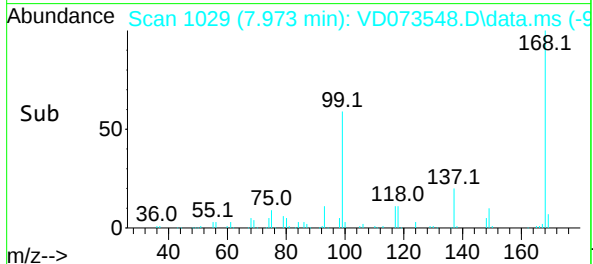
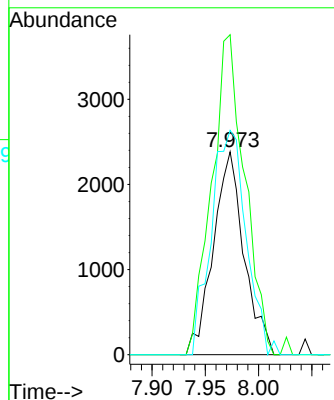


#31
Cyclohexane
Concen: 1.372 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

Instrument :
MSVOA_D
ClientSampleId :
SC-15

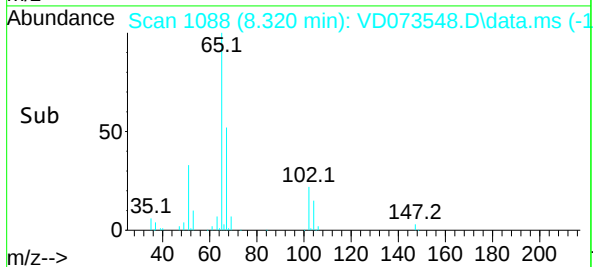
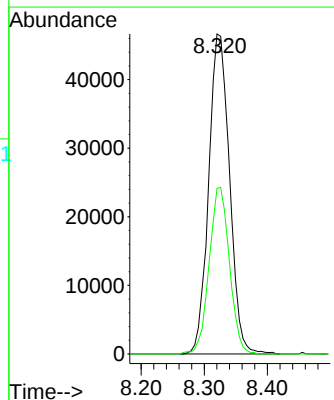
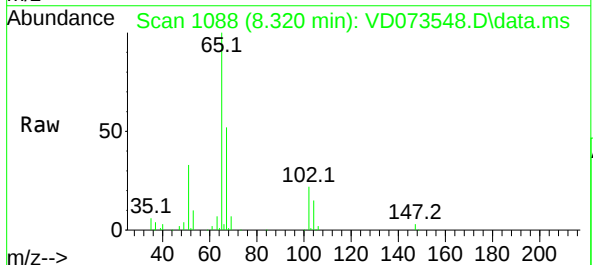


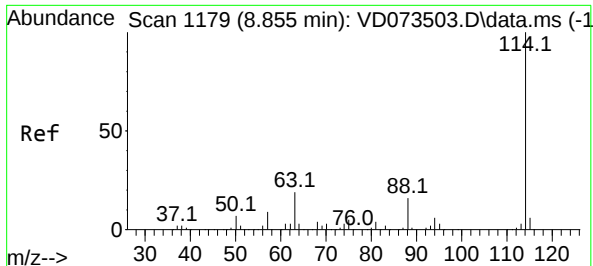
Tgt Ion: 56 Resp: 4786
Ion Ratio Lower Upper
56 100
69 157.8 25.4 38.2#
84 110.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 51.733 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

Tgt Ion: 65 Resp: 107105
Ion Ratio Lower Upper
65 100
67 50.6 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: VD073548.D

Acq: 13 Jun 2022 16:12

Instrument :

MSVOA_D

ClientSampleId :

SC-15

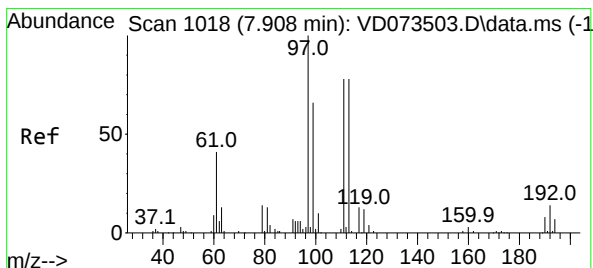
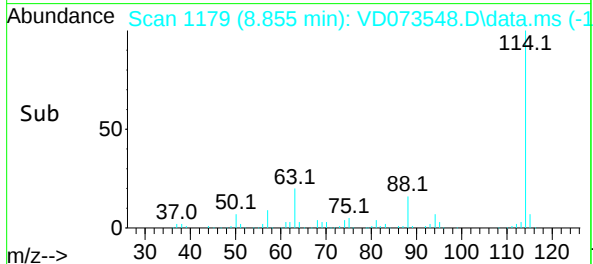
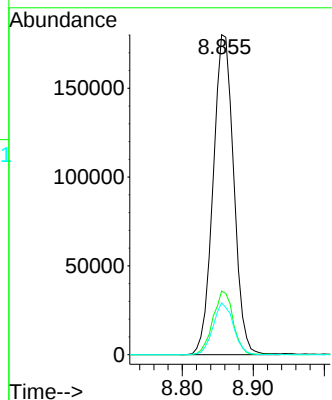
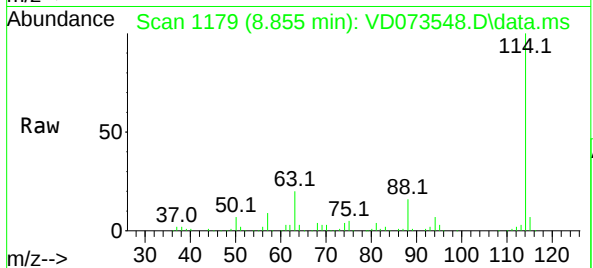
Tgt Ion:114 Resp: 362894

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 16.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 26.773 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073548.D

Acq: 13 Jun 2022 16:12

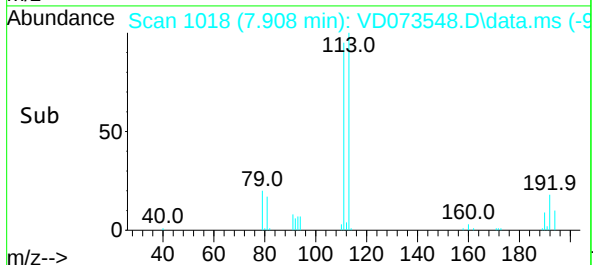
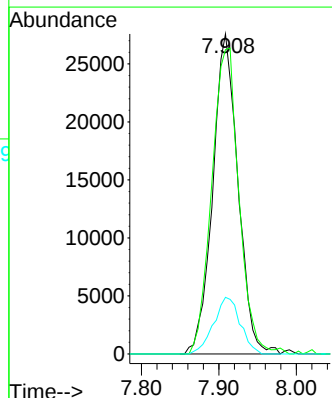
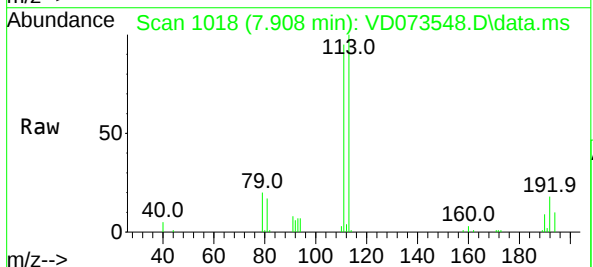
Tgt Ion:113 Resp: 62476

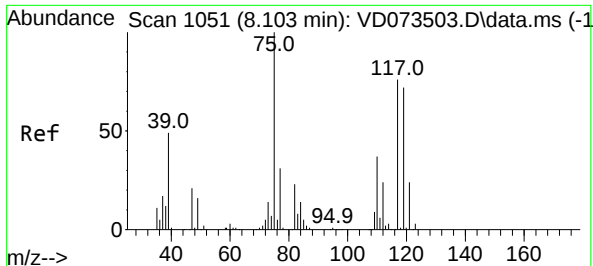
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 18.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.601 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.130 min

Lab File: VD073548.D

Acq: 13 Jun 2022 16:12

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ClientSampleId :

SC-15

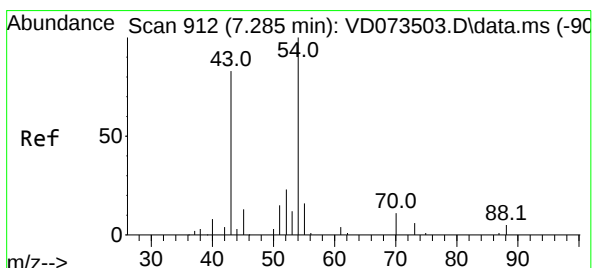
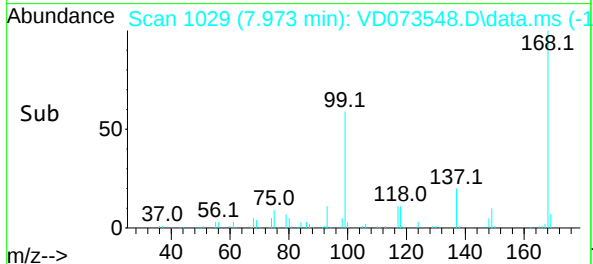
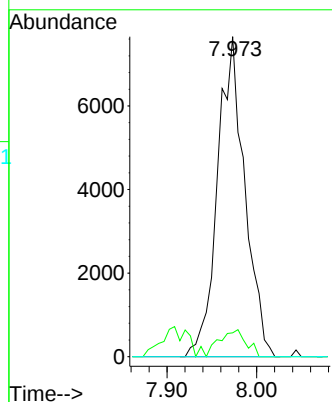
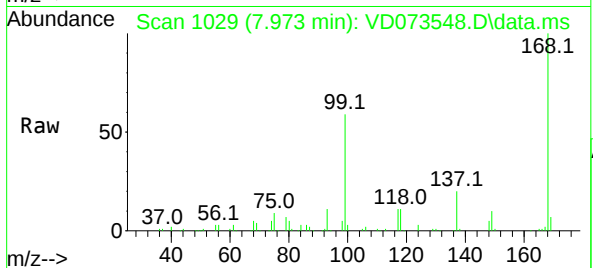
Tgt Ion: 75 Resp: 16124

Ion Ratio Lower Upper

75 100

110 8.2 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 2.515 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.088 min

Lab File: VD073548.D

Acq: 13 Jun 2022 16:12

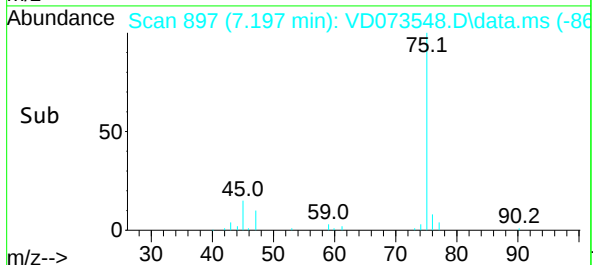
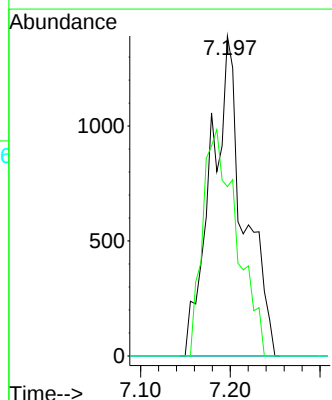
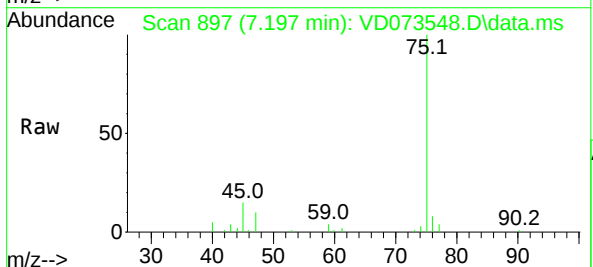
Tgt Ion: 43 Resp: 3561

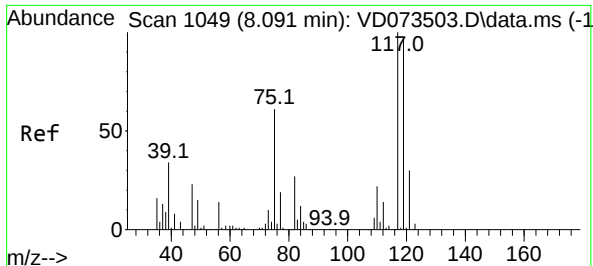
Ion Ratio Lower Upper

43 100

61 72.6 9.8 14.8#

70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 5.465 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073548.D

Acq: 13 Jun 2022 16:12

Instrument :

MSVOA_D

ClientSampleId :

SC-15

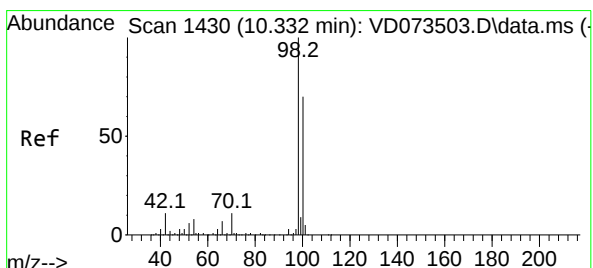
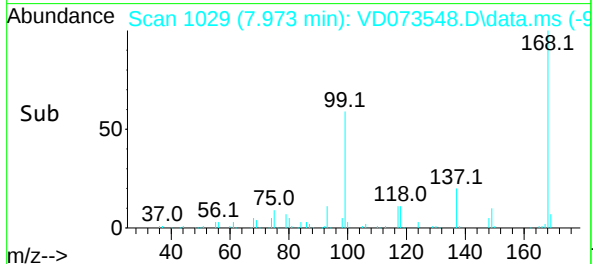
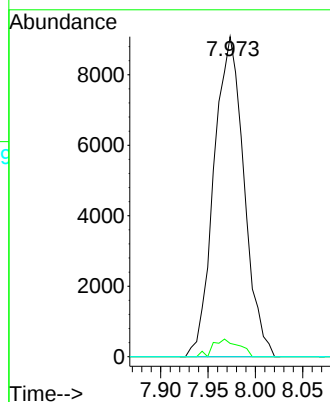
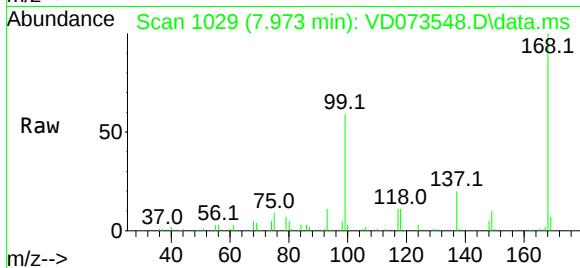
Tgt Ion:117 Resp: 20037

Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 53.295 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073548.D

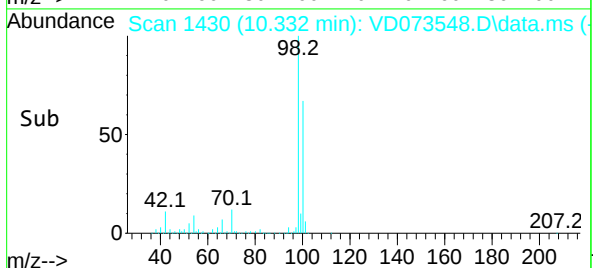
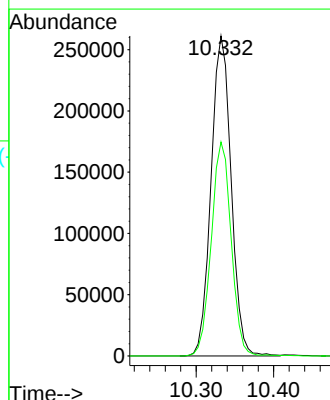
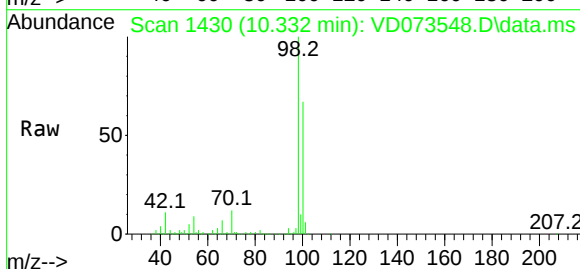
Acq: 13 Jun 2022 16:12

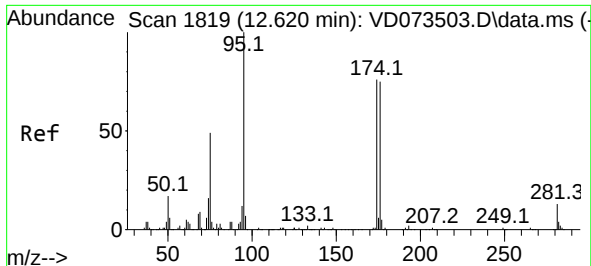
Tgt Ion: 98 Resp: 470219

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6

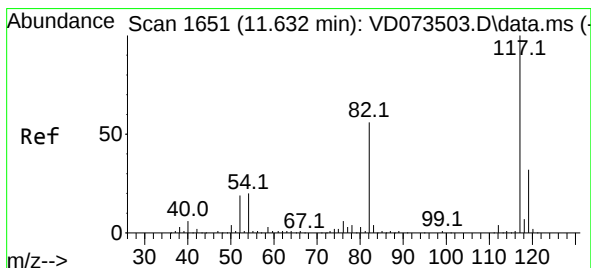
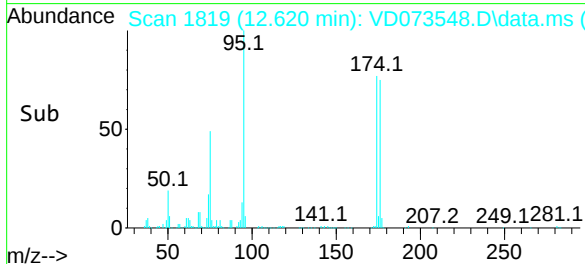
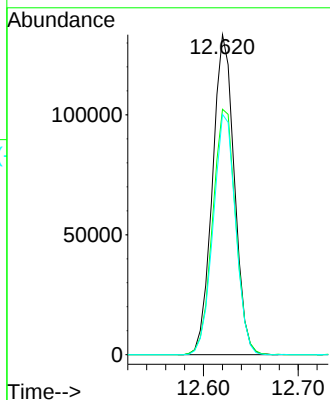
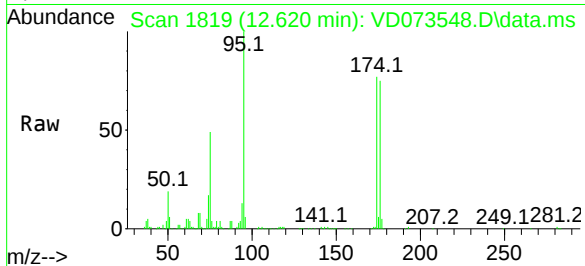




#62
4-Bromofluorobenzene
Concen: 66.888 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

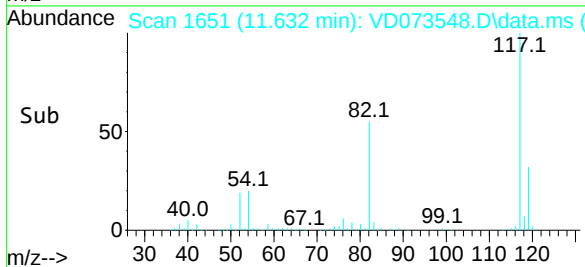
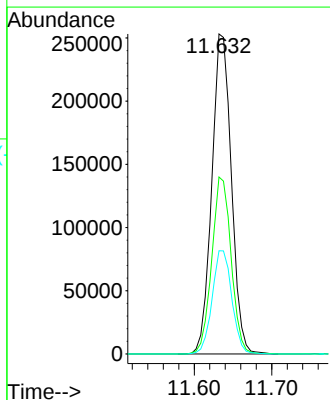
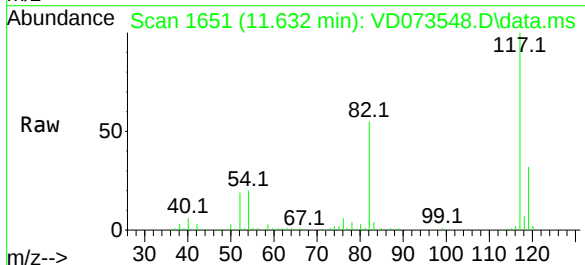
Instrument :
MSVOA_D
ClientSampleId :
SC-15

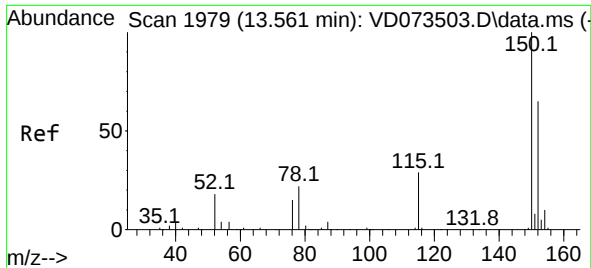
Tgt Ion: 95 Resp: 214238
Ion Ratio Lower Upper
95 100
174 80.6 0.0 152.8
176 76.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

Tgt Ion: 117 Resp: 443393
Ion Ratio Lower Upper
117 100
82 55.3 45.3 67.9
119 32.2 26.6 40.0

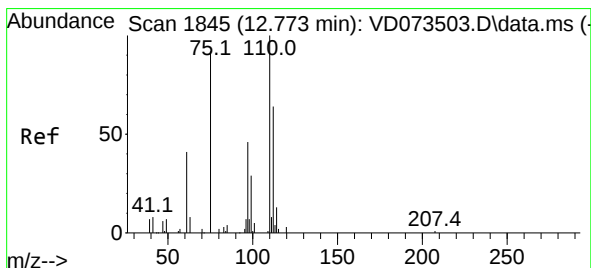
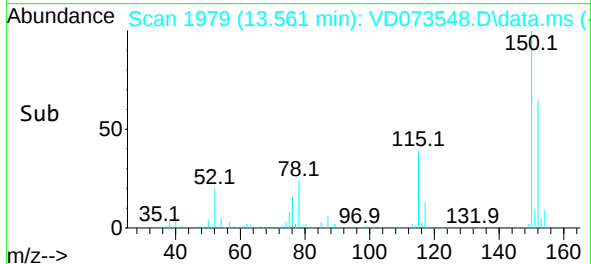
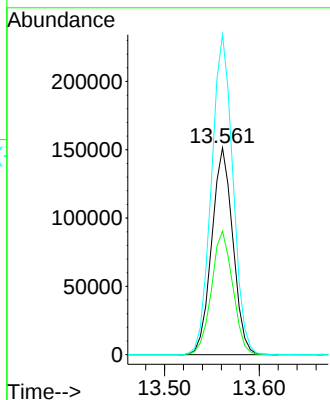
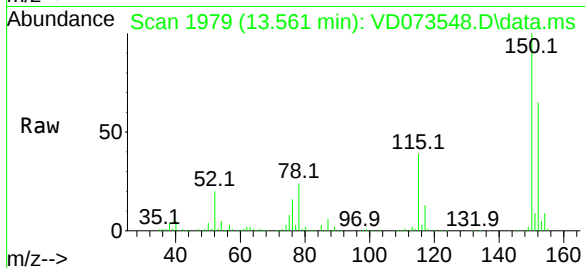




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073548.D
 Acq: 13 Jun 2022 16:12

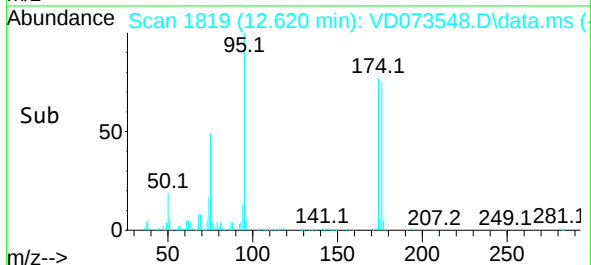
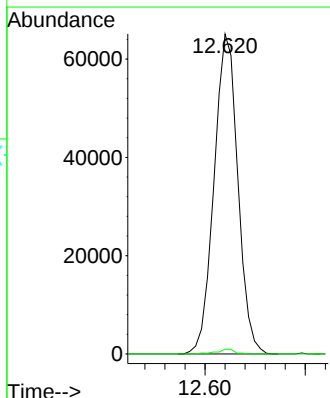
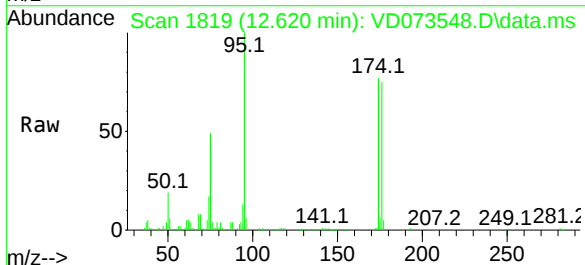
Instrument :
 MSVOA_D
 ClientSampleId :
 SC-15

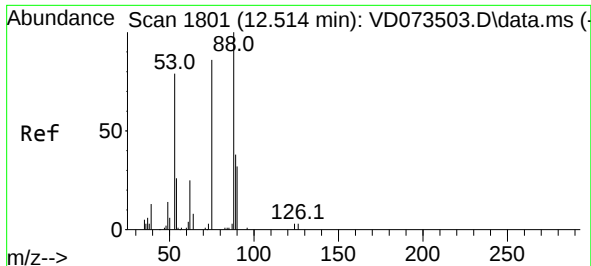
Tgt Ion:152 Resp: 235422
 Ion Ratio Lower Upper
 152 100
 115 60.0 31.3 93.8
 150 157.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 46.833 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073548.D
 Acq: 13 Jun 2022 16:12

Tgt Ion: 75 Resp: 107108
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

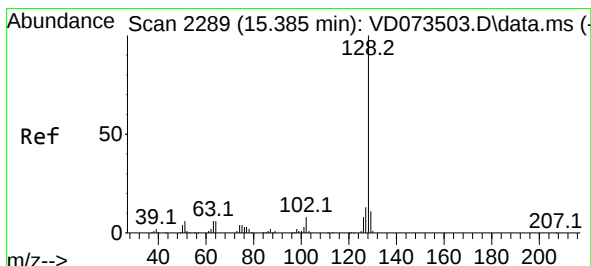
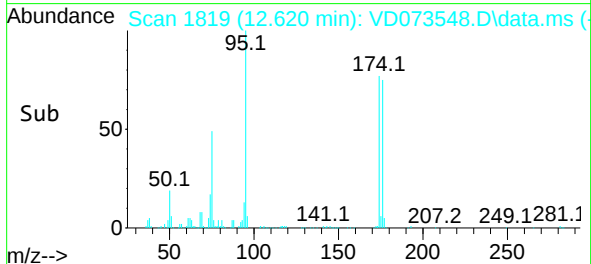
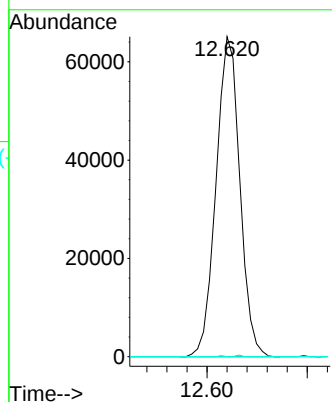
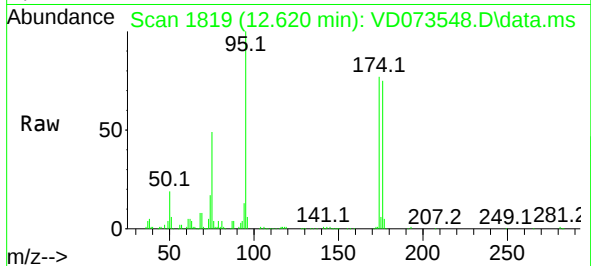




#81
trans-1,4-Dichloro-2-butene
Concen: 109.924 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

Instrument :
MSVOA_D
ClientSampleId :
SC-15

Tgt Ion: 75 Resp: 107108
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.539 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073548.D
Acq: 13 Jun 2022 16:12

Tgt Ion: 128 Resp: 3112
Ion Ratio Lower Upper
128 100
127 11.5 10.3 15.5
129 16.1 8.4 12.6#

