

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061022\
 Data File : VD073534.D
 Acq On : 10 Jun 2022 18:01
 Operator : VA/SY
 Sample : N3299-05
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-17

Quant Time: Jun 10 23:06:55 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)

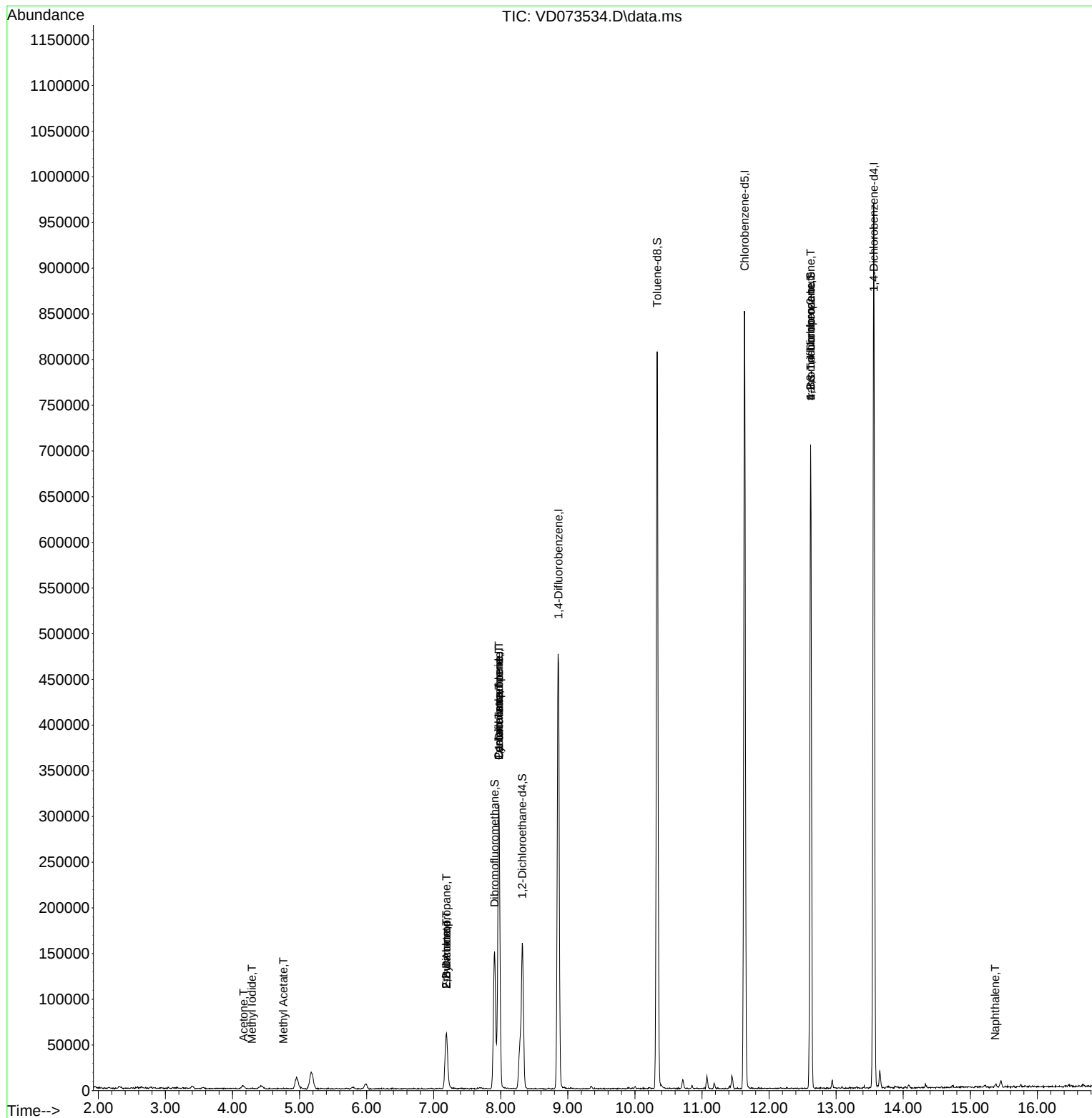
Internal Standards						
1) Pentafluorobenzene	7.973	168	231184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	433040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	508828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	258733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	124351	50.123	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.240%	
35) Dibromofluoromethane	7.908	113	110513	39.687	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.380%	
50) Toluene-d8	10.332	98	546226	51.882	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.760%	
62) 4-Bromofluorobenzene	12.620	95	239568	62.680	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 125.360%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	494	4.332	ug/l #	55
11) Tert butyl alcohol	5.179	59	17906	Below Cal	#	75
16) Acetone	4.167	43	6040	13.827	ug/l	97
18) Methyl Acetate	4.761	43	53	1.411	ug/l #	55
25) 2-Butanone	7.191	43	3424	5.327	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	4551	1.093	ug/l #	54
31) Cyclohexane	7.973	56	5323	1.274	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	18053	4.317	ug/l #	52
37) Ethyl Acetate	7.191	43	3424	2.027	ug/l #	1
38) Carbon Tetrachloride	7.973	117	25436	5.814	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	122695	48.815	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	122695	114.576	ug/l #	7
95) Naphthalene	15.373	128	3367	4.534	ug/l #	96

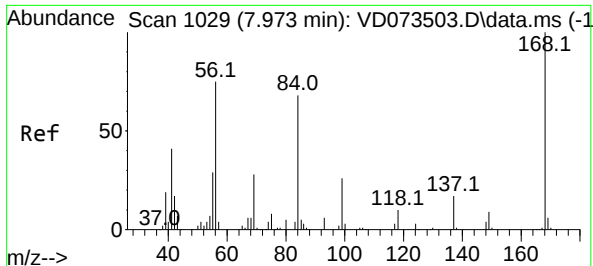
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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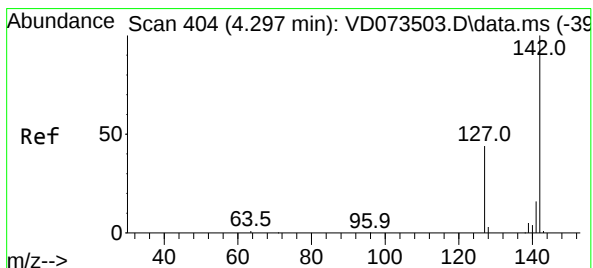
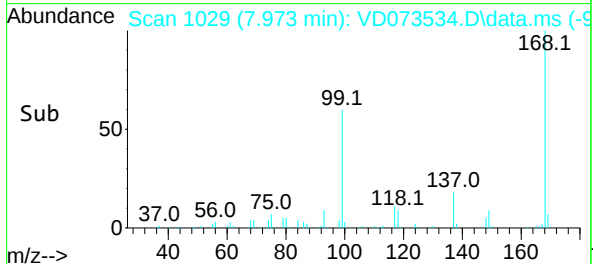
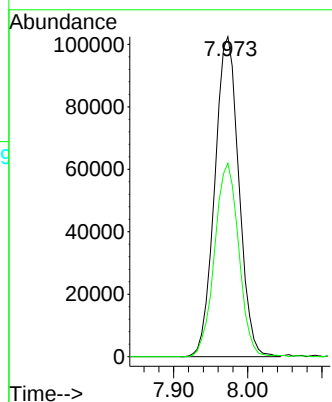
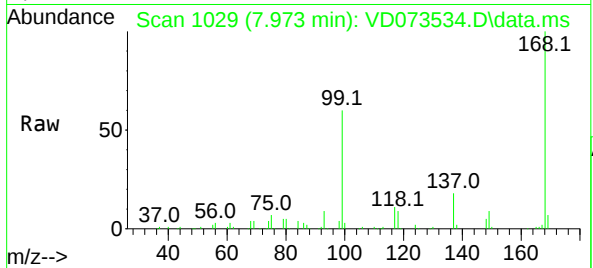




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

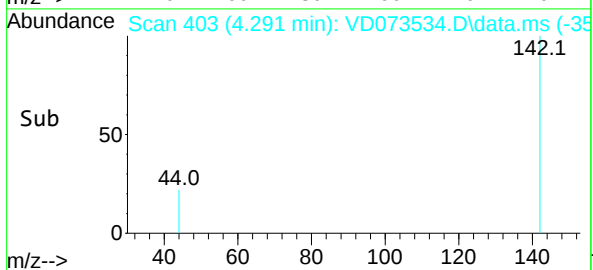
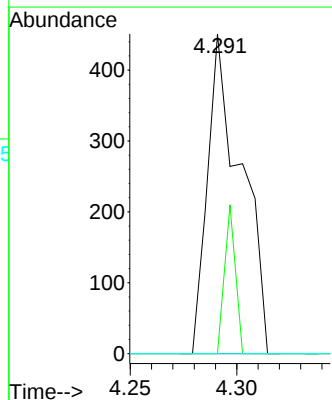
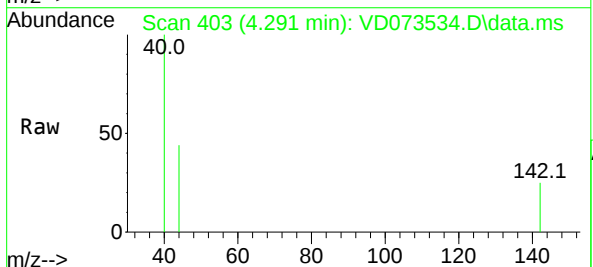
Instrument :
MSVOA_D
ClientSampleId :
SC-17

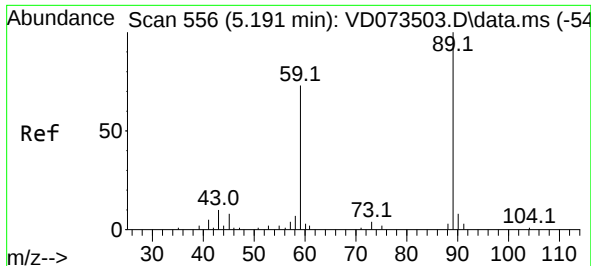
Tgt Ion:168 Resp: 231184
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6



#10
Methyl Iodide
Concen: 4.332 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

Tgt Ion:142 Resp: 494
Ion Ratio Lower Upper
142 100
127 15.0 37.3 55.9#
141 0.0 11.7 17.5#

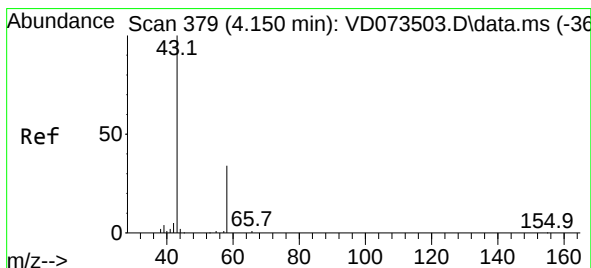
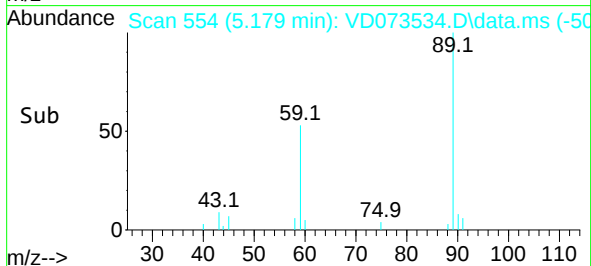
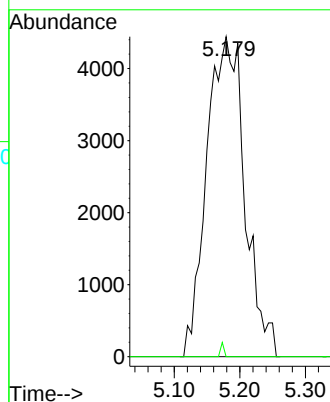
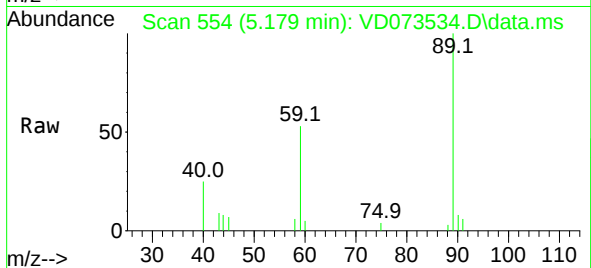




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

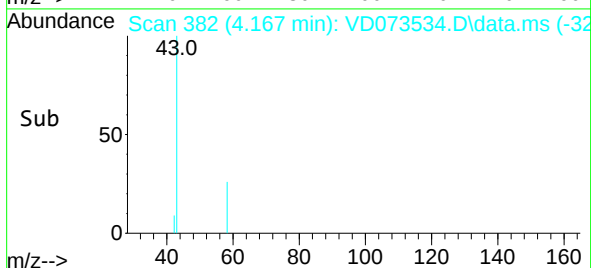
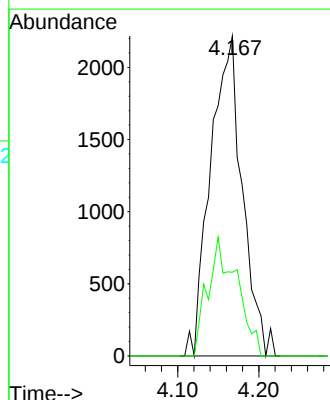
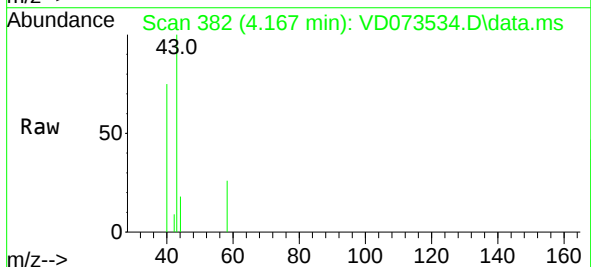
Instrument :
MSVOA_D
ClientSampleId :
SC-17

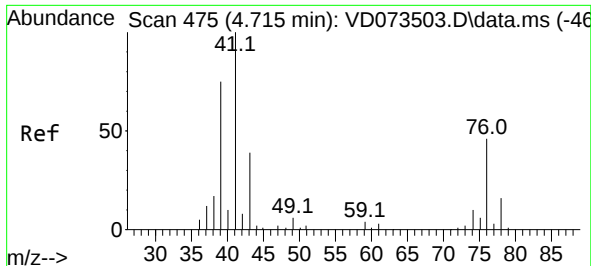
Tgt Ion: 59 Resp: 17906
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.6#



#16
Acetone
Concen: 13.827 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.017 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

Tgt Ion: 43 Resp: 6040
Ion Ratio Lower Upper
43 100
58 26.1 22.1 33.1





#18

Methyl Acetate

Concen: 1.411 ug/l

RT: 4.761 min Scan# 41

Delta R.T. 0.046 min

Lab File: VD073534.D

Acq: 10 Jun 2022 18:01

Instrument :

MSVOA_D

ClientSampleId :

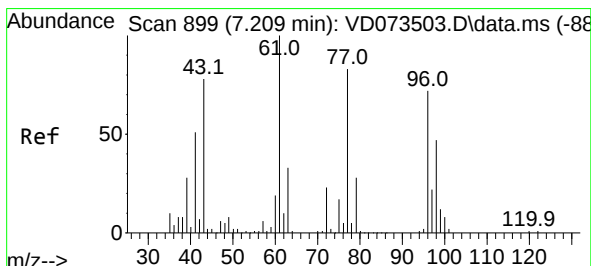
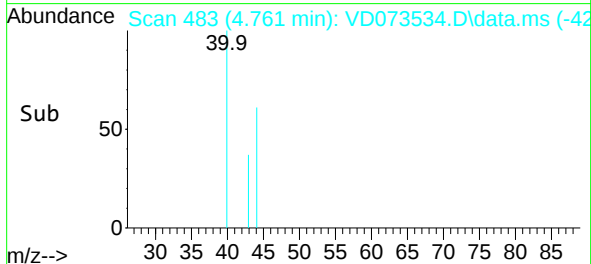
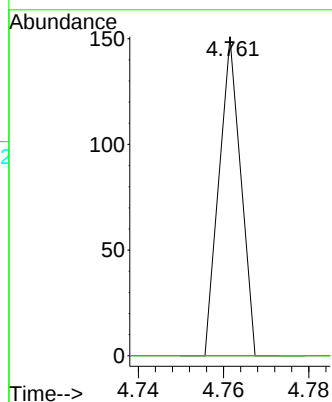
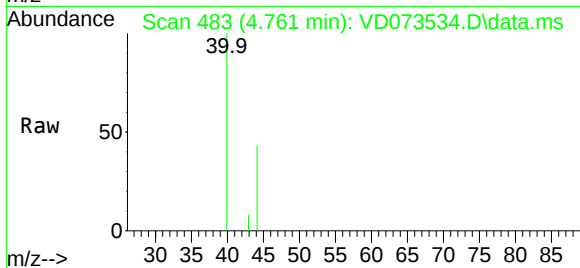
SC-17

Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#25

2-Butanone

Concen: 5.327 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD073534.D

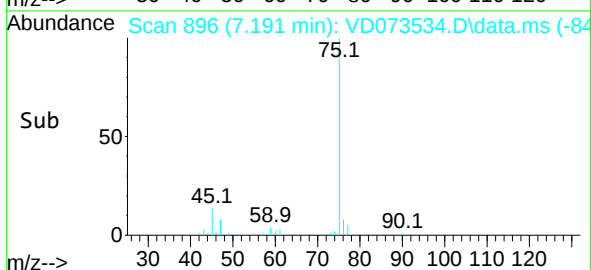
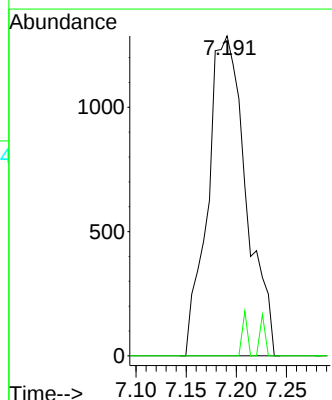
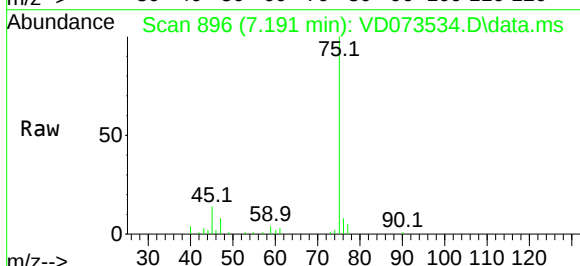
Acq: 10 Jun 2022 18:01

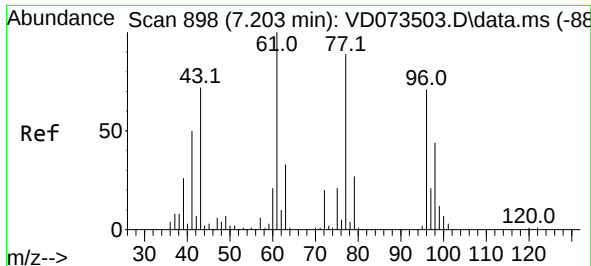
Tgt Ion: 43 Resp: 3424

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

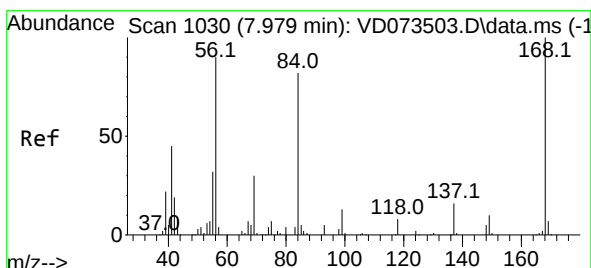
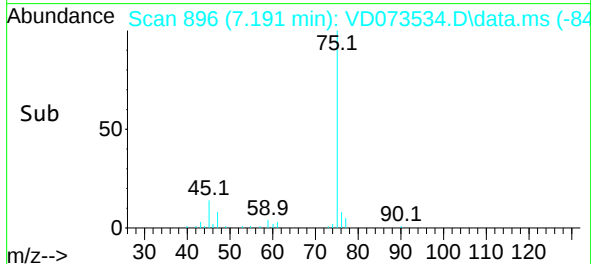
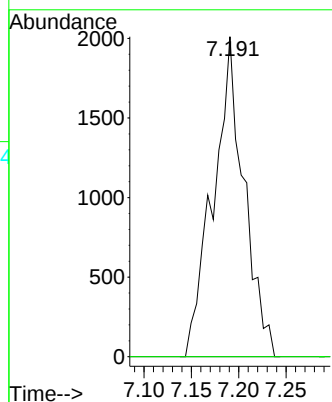
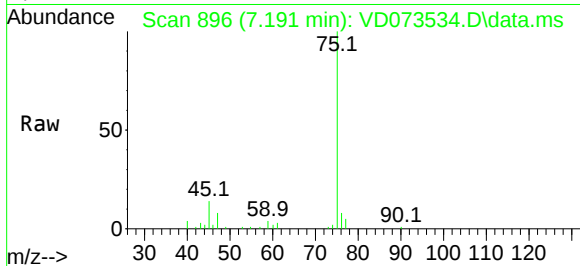




#26
2,2-Dichloropropane
Concen: 1.093 ug/l
RT: 7.191 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

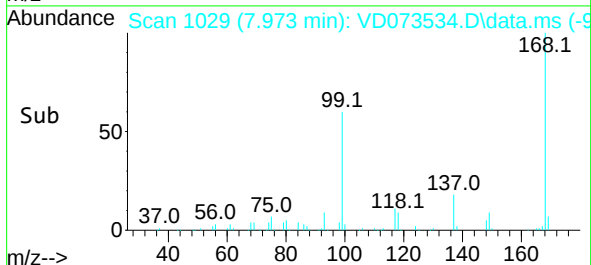
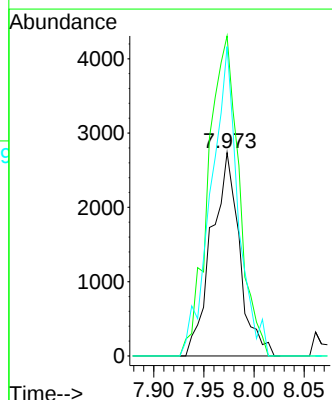
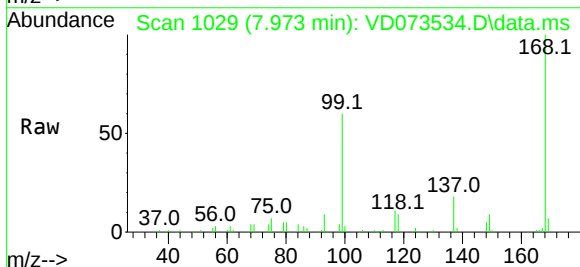
Instrument :
MSVOA_D
ClientSampleId :
SC-17

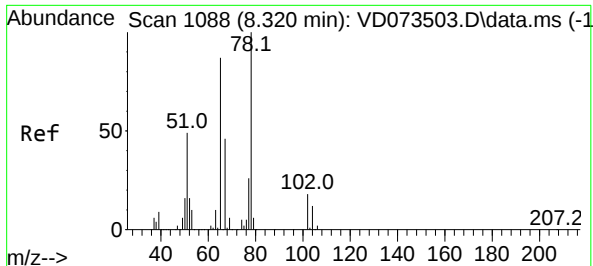
Tgt Ion: 77 Resp: 4551
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

Tgt Ion: 56 Resp: 5323
Ion Ratio Lower Upper
56 100
69 157.3 25.4 38.2#
84 152.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.123 ug/l

RT: 8.320 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073534.D

Acq: 10 Jun 2022 18:01

Instrument :

MSVOA_D

ClientSampleId :

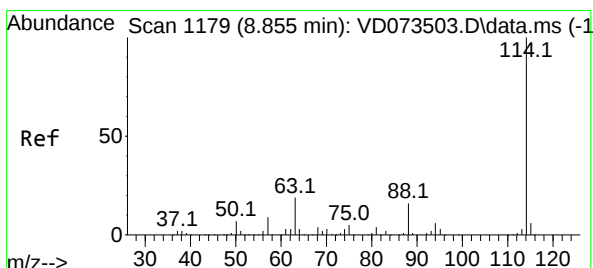
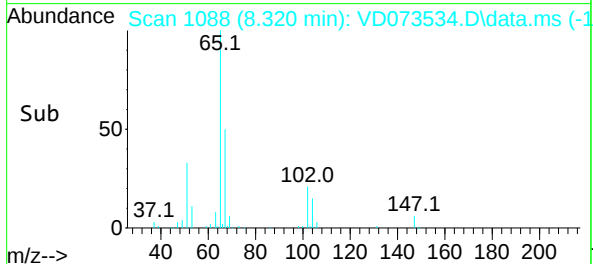
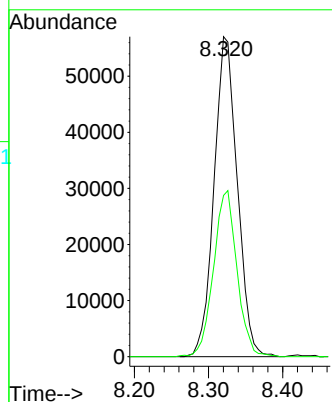
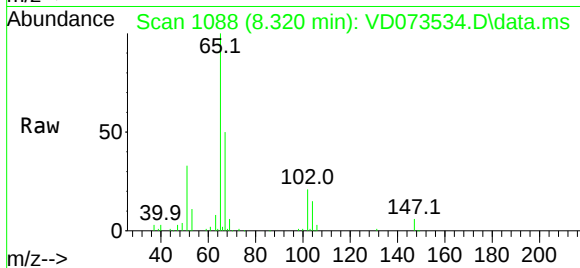
SC-17

Tgt Ion: 65 Resp: 124351

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073534.D

Acq: 10 Jun 2022 18:01

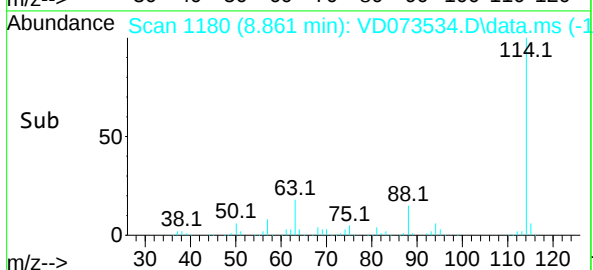
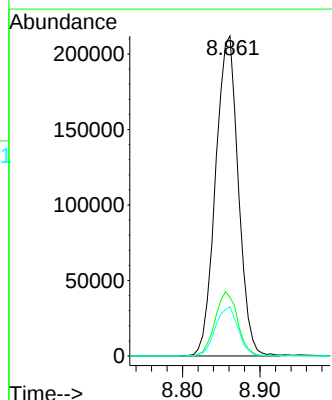
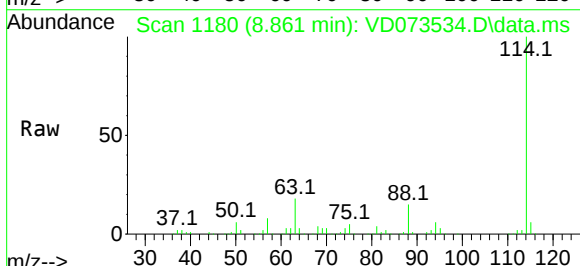
Tgt Ion: 114 Resp: 433040

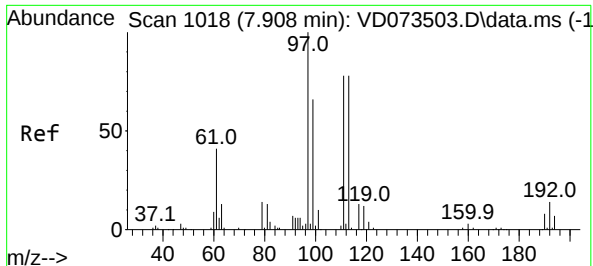
Ion Ratio Lower Upper

114 100

63 18.3 0.0 46.6

88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 39.687 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073534.D

Acq: 10 Jun 2022 18:01

Instrument :

MSVOA_D

ClientSampleId :

SC-17

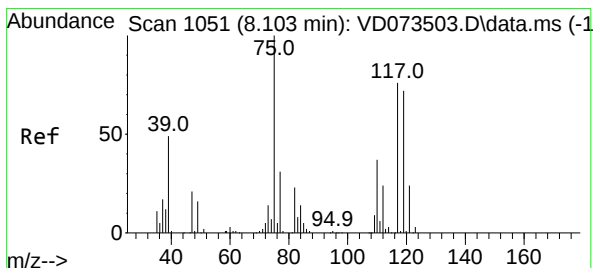
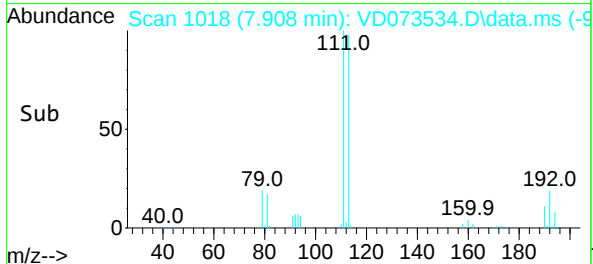
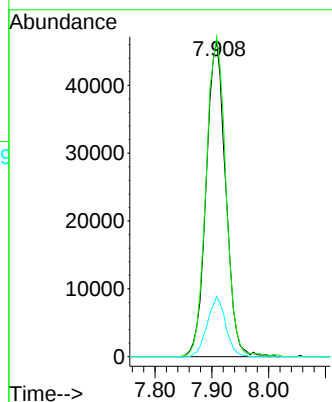
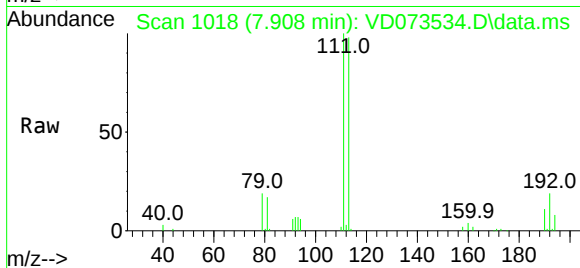
Tgt Ion:113 Resp: 110513

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 17.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.317 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073534.D

Acq: 10 Jun 2022 18:01

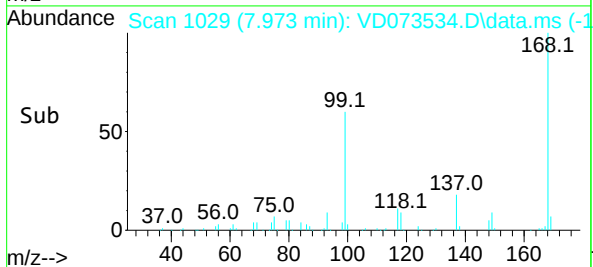
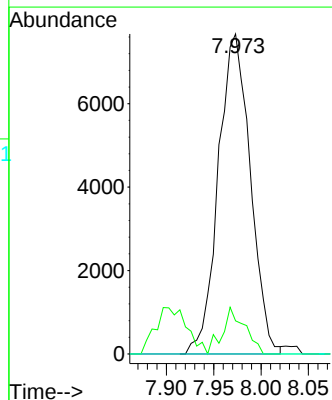
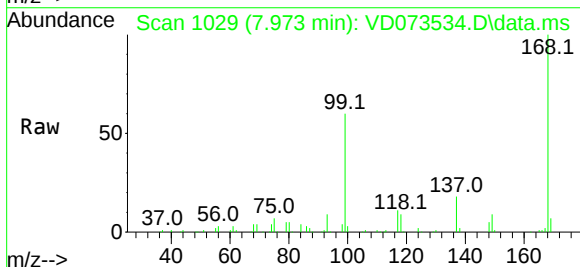
Tgt Ion: 75 Resp: 18053

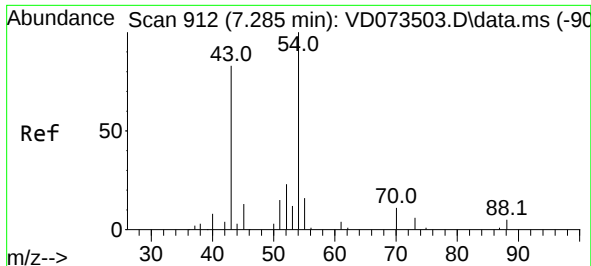
Ion Ratio Lower Upper

75 100

110 10.1 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.027 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.094 min

Lab File: VD073534.D

Acq: 10 Jun 2022 18:01

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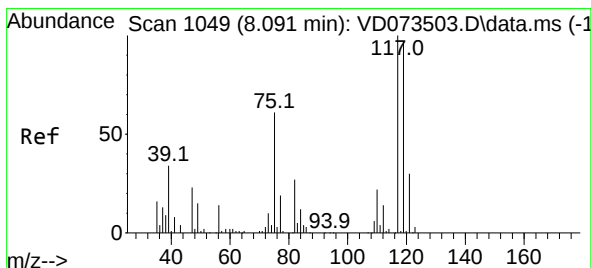
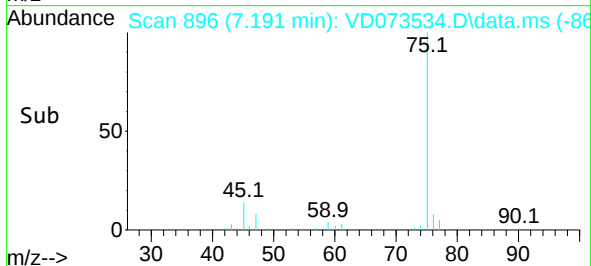
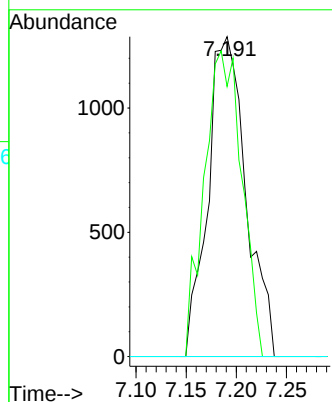
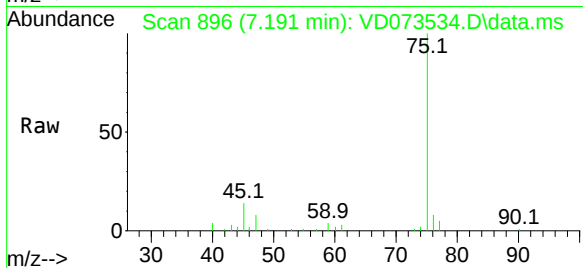
Tgt Ion: 43 Resp: 3424

Ion Ratio Lower Upper

43 100

61 93.4 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.814 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073534.D

Acq: 10 Jun 2022 18:01

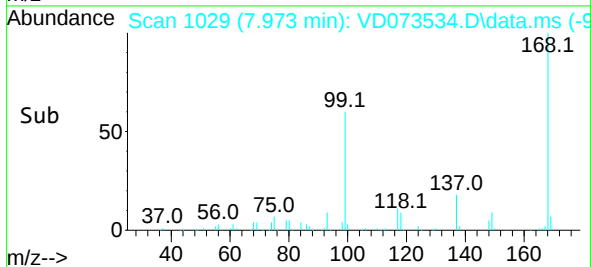
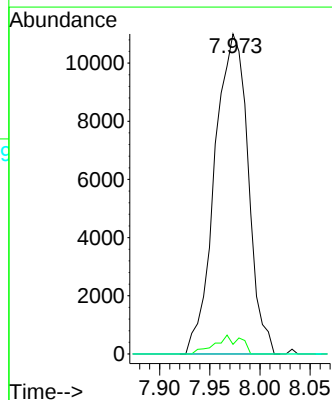
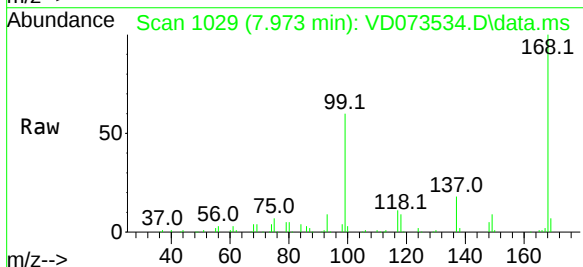
Tgt Ion: 117 Resp: 25436

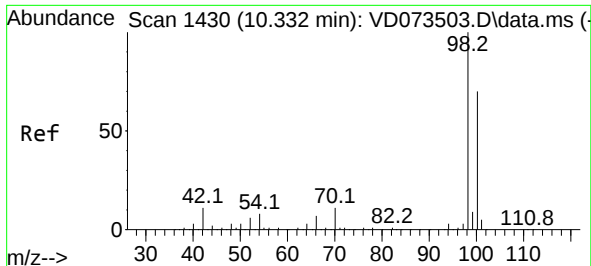
Ion Ratio Lower Upper

117 100

119 3.0 75.8 113.6#

121 0.0 24.5 36.7#

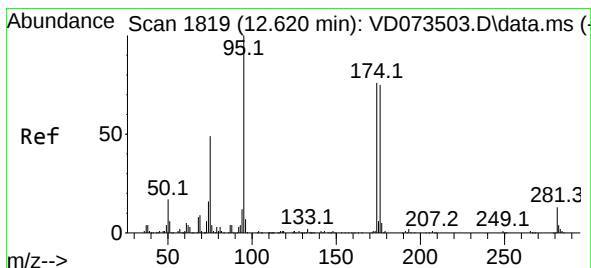
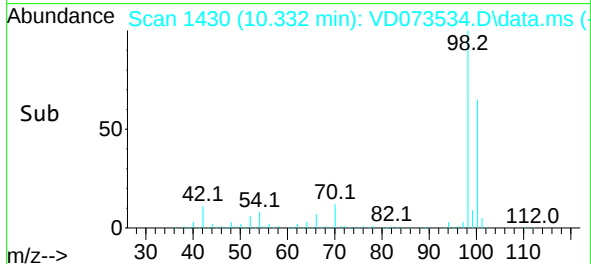
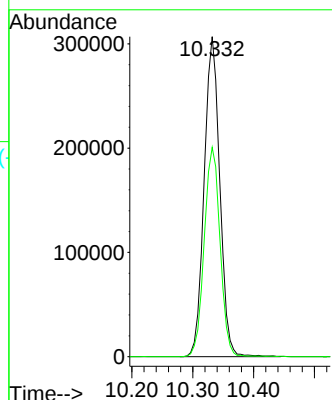
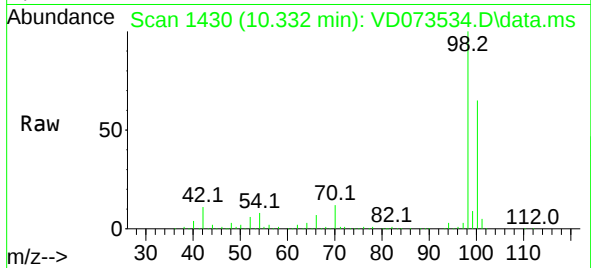




#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

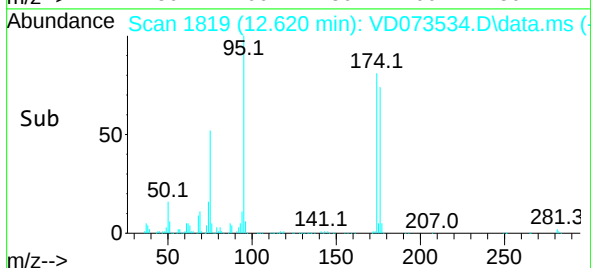
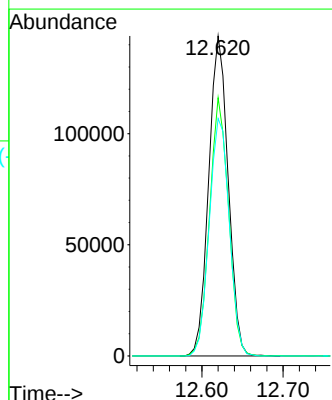
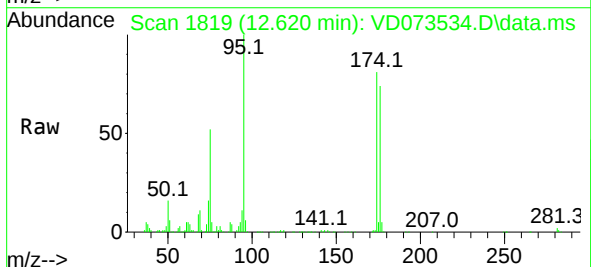
Instrument :
MSVOA_D
ClientSampleId :
SC-17

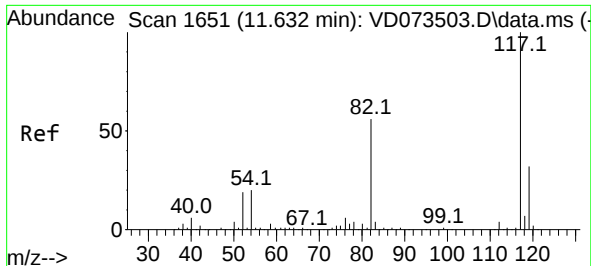
Tgt Ion: 98 Resp: 546226
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 62.680 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

Tgt Ion: 95 Resp: 239568
Ion Ratio Lower Upper
95 100
174 78.8 0.0 152.8
176 76.3 0.0 145.4

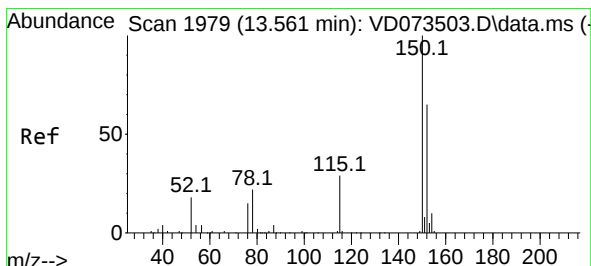
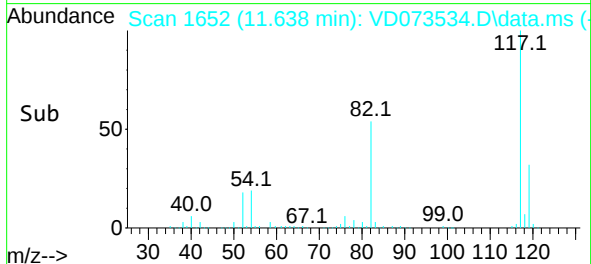
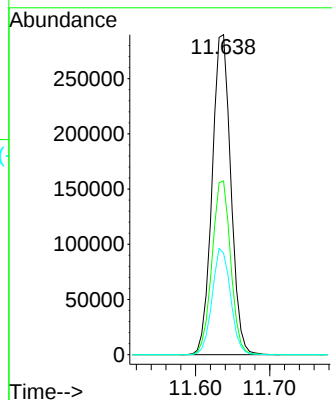
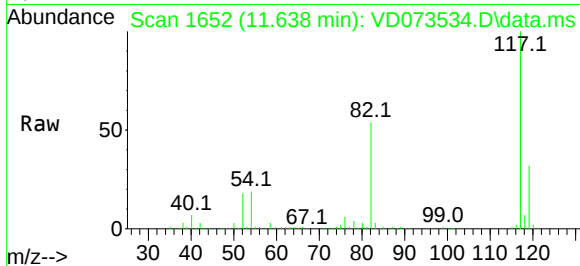




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

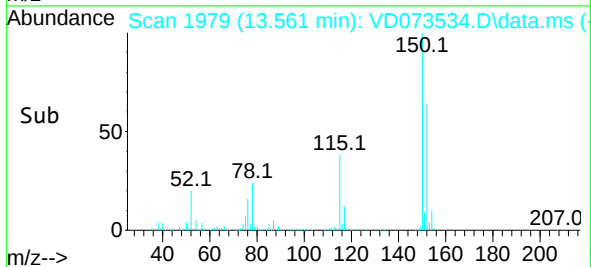
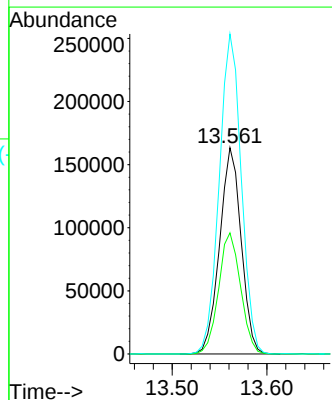
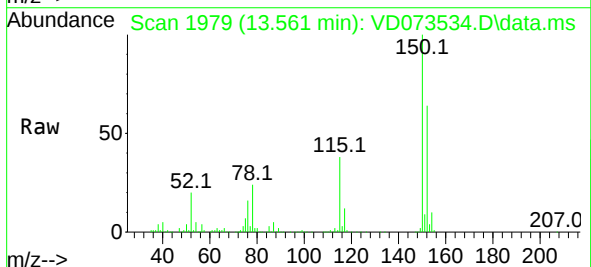
Instrument :
MSVOA_D
ClientSampleId :
SC-17

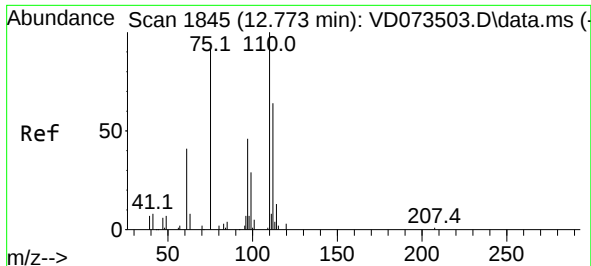
Tgt Ion:117 Resp: 508828
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 31.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

Tgt Ion:152 Resp: 258733
Ion Ratio Lower Upper
152 100
115 59.8 31.3 93.8
150 158.5 0.0 348.6

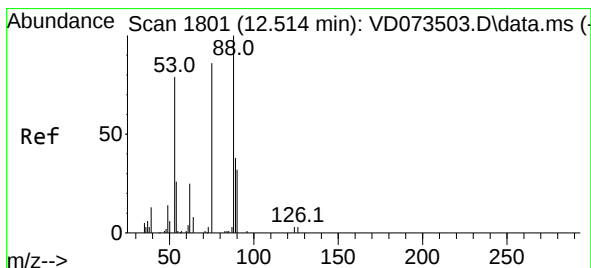
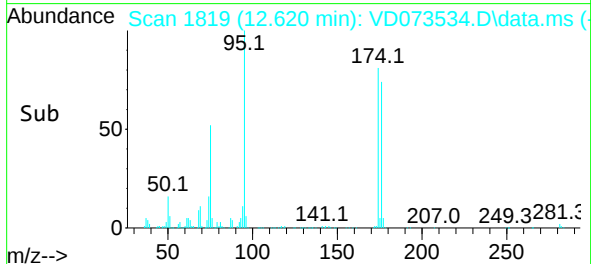
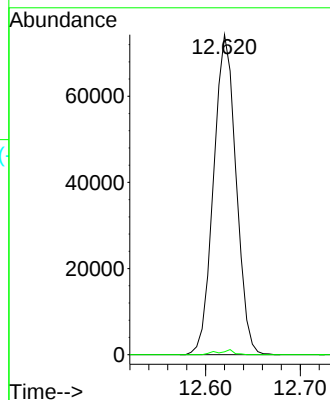
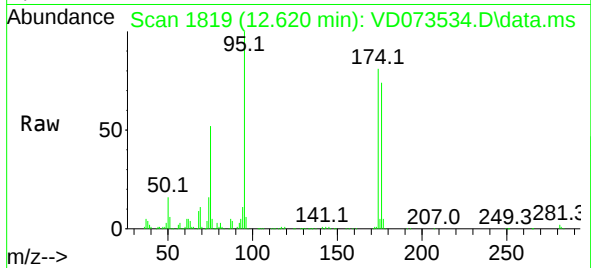




#76
1,2,3-Trichloropropane
Concen: 48.815 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

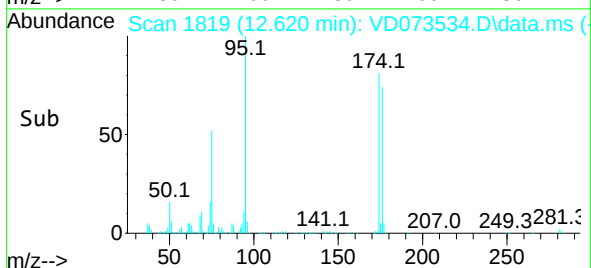
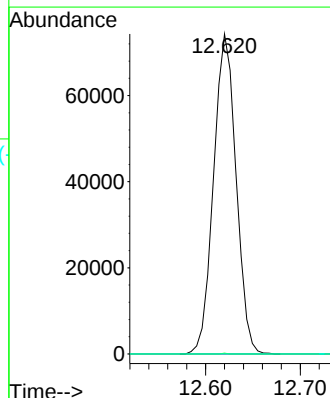
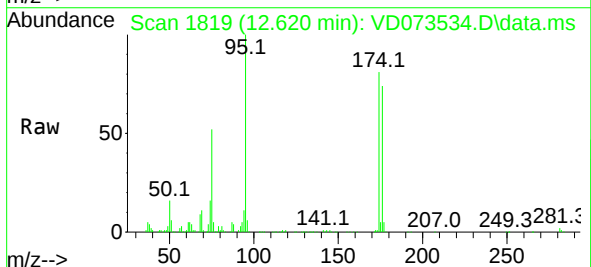
Instrument :
MSVOA_D
ClientSampleId :
SC-17

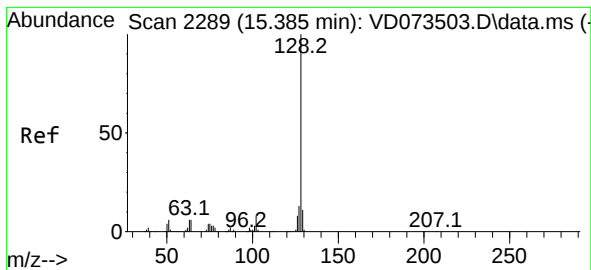
Tgt Ion: 75 Resp: 122695
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.576 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

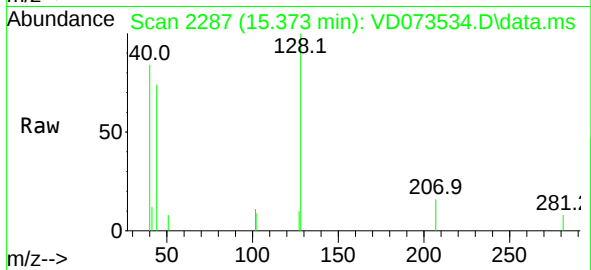
Tgt Ion: 75 Resp: 122695
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 4.534 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.012 min
Lab File: VD073534.D
Acq: 10 Jun 2022 18:01

Instrument :
MSVOA_D
ClientSampleId :
SC-17



Tgt Ion:128 Resp: 3367
Ion Ratio Lower Upper
128 100
127 12.4 10.3 15.5
129 7.9 8.4 12.6#

