

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061022\
 Data File : VD073533.D
 Acq On : 10 Jun 2022 17:31
 Operator : VA/SY
 Sample : N3299-06
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-18

Quant Time: Jun 10 23:06:47 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)

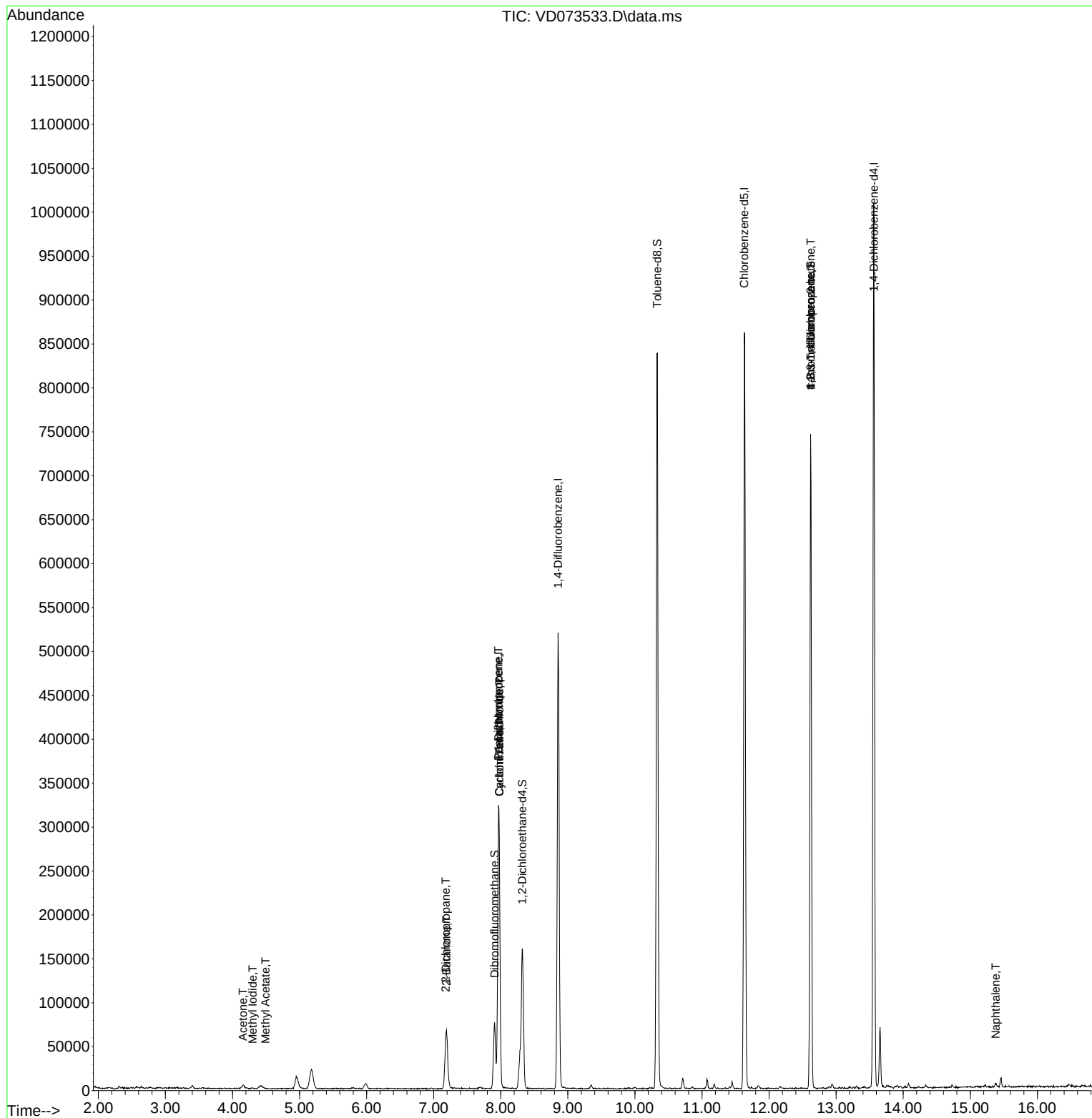
Internal Standards						
1) Pentafluorobenzene	7.967	168	239839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	441119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	512868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	264539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	127324	49.469	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.940%		
35) Dibromofluoromethane	7.908	113	52884	18.644	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	37.280%#		
50) Toluene-d8	10.332	98	563184	52.513	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.020%		
62) 4-Bromofluorobenzene	12.620	95	241978	62.151	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	124.300%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	561	4.347	ug/l #	49
11) Tert butyl alcohol	5.179	59	21018	Below Cal	#	74
16) Acetone	4.156	43	7578	16.722	ug/l	90
18) Methyl Acetate	4.491	43	58	1.413	ug/l #	55
25) 2-Butanone	7.191	43	3736	5.603	ug/l #	52
26) 2,2-Dichloropropane	7.179	77	5086	1.177	ug/l #	54
31) Cyclohexane	7.979	56	5572	1.285	ug/l #	30
36) 1,1-Dichloropropene	7.967	75	19367	4.546	ug/l #	53
38) Carbon Tetrachloride	7.979	117	25020	5.614	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	121706	47.358	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	121706	111.158	ug/l #	7
95) Naphthalene	15.379	128	3962	4.583	ug/l #	87

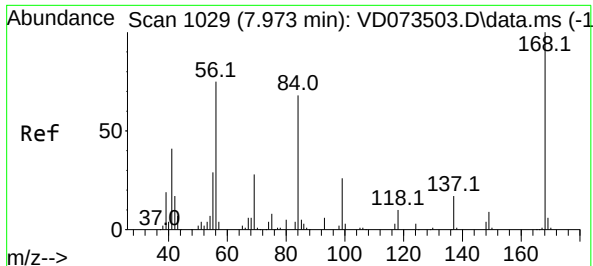
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 10 23:06:47 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

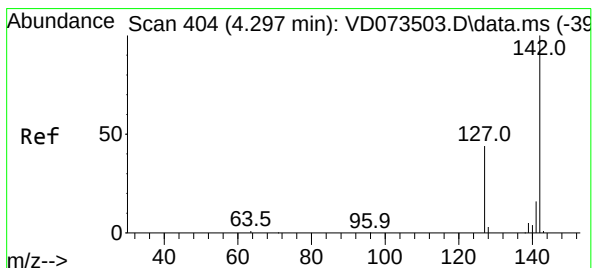
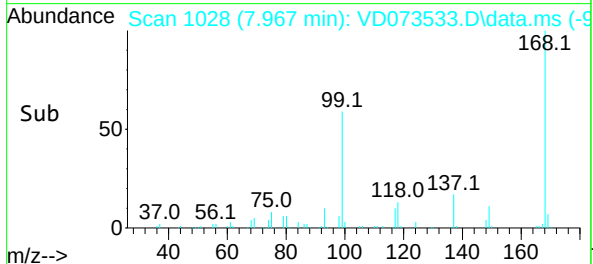
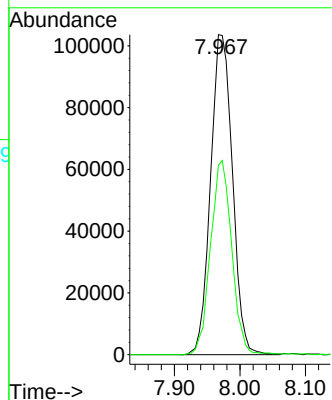
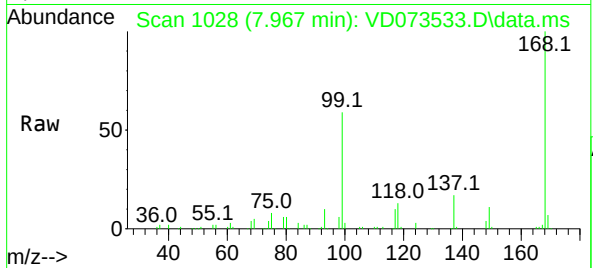




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073533.D
Acq: 10 Jun 2022 17:31

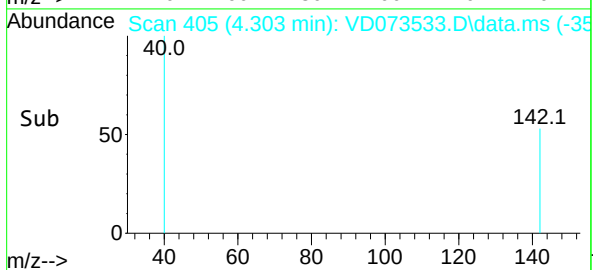
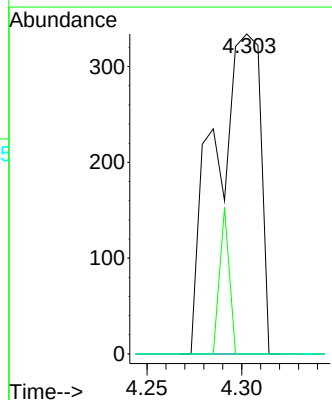
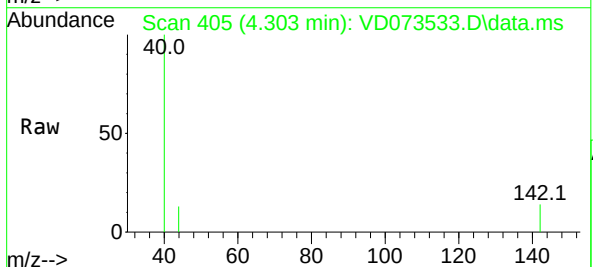
Instrument :
MSVOA_D
ClientSampleId :
SC-18

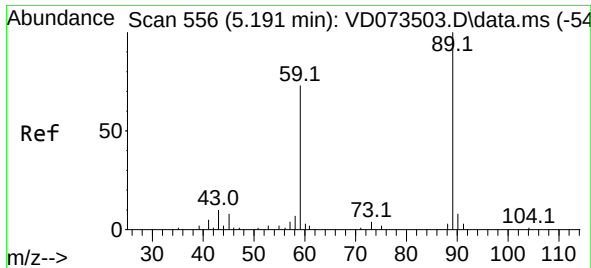
Tgt Ion:168 Resp: 239839
Ion Ratio Lower Upper
168 100
99 59.2 49.8 74.6



#10
Methyl Iodide
Concen: 4.347 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD073533.D
Acq: 10 Jun 2022 17:31

Tgt Ion:142 Resp: 561
Ion Ratio Lower Upper
142 100
127 9.6 37.3 55.9#
141 0.0 11.7 17.5#

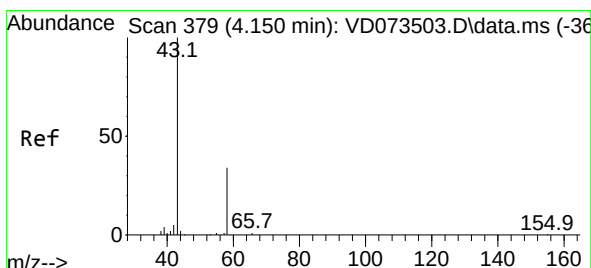
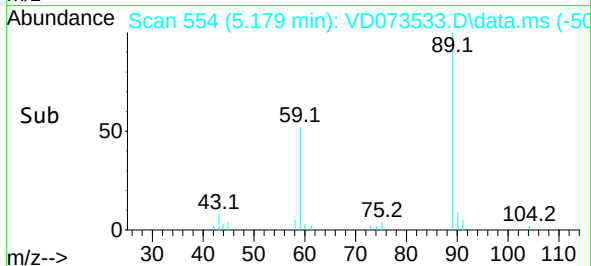
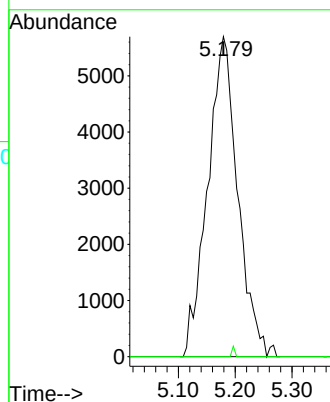
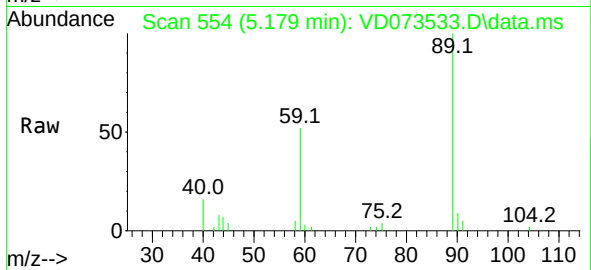




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD073533.D
Acq: 10 Jun 2022 17:31

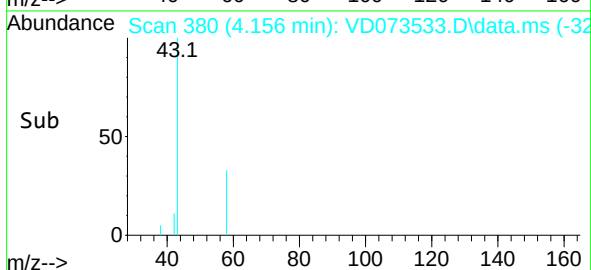
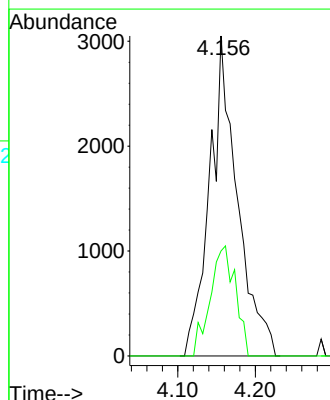
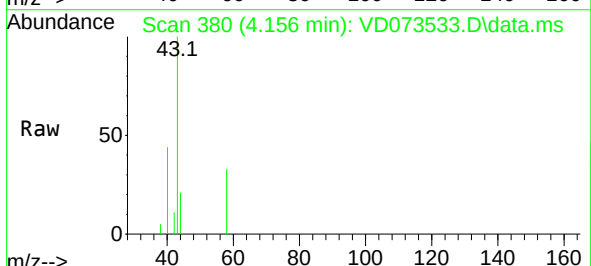
Instrument :
MSVOA_D
ClientSampleId :
SC-18

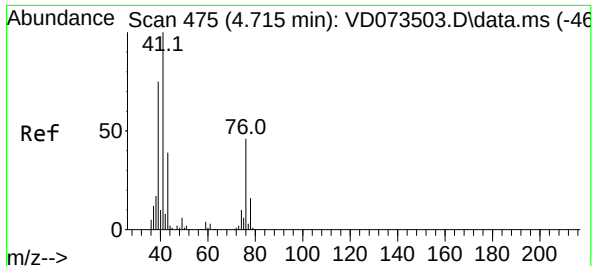
Tgt Ion: 59 Resp: 21018
Ion Ratio Lower Upper
59 100
57 0.3 7.8 11.6#



#16
Acetone
Concen: 16.722 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073533.D
Acq: 10 Jun 2022 17:31

Tgt Ion: 43 Resp: 7578
Ion Ratio Lower Upper
43 100
58 32.8 22.1 33.1





#18

Methyl Acetate

Concen: 1.413 ug/l

RT: 4.491 min Scan# 41

Delta R.T. -0.224 min

Lab File: VD073533.D

Acq: 10 Jun 2022 17:31

Instrument :

MSVOA_D

ClientSampleId :

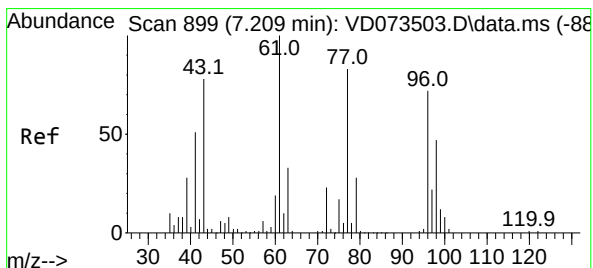
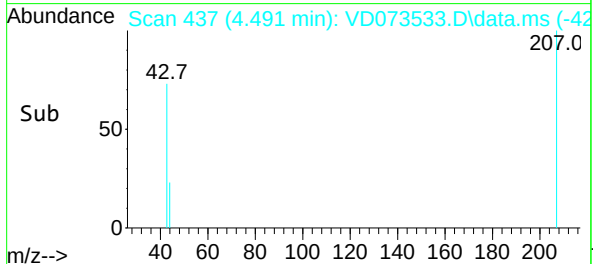
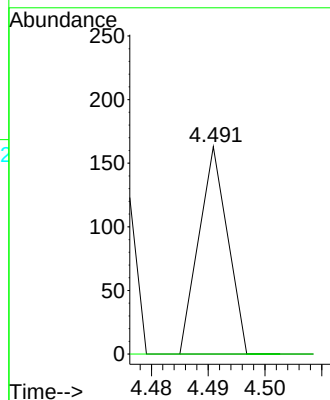
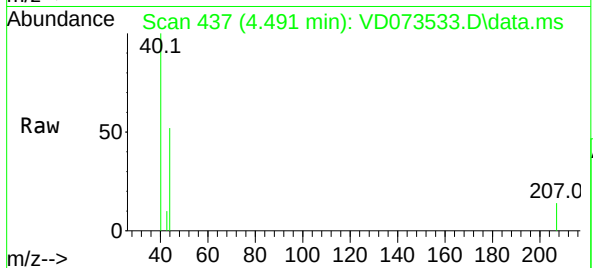
SC-18

Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#25

2-Butanone

Concen: 5.603 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD073533.D

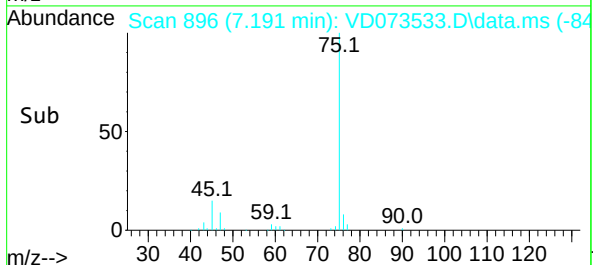
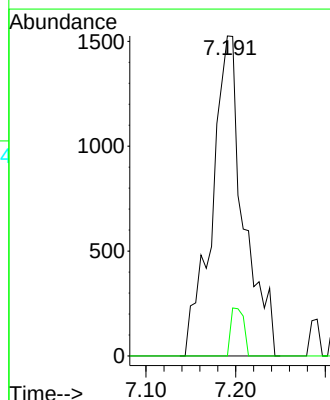
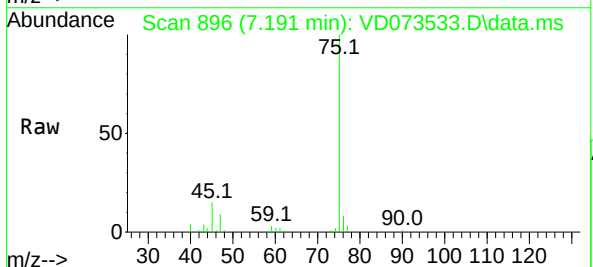
Acq: 10 Jun 2022 17:31

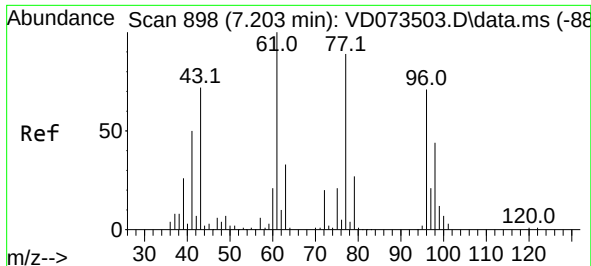
Tgt Ion: 43 Resp: 3736

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 1.177 ug/l

RT: 7.179 min Scan# 898

Delta R.T. -0.024 min

Lab File: VD073533.D

Acq: 10 Jun 2022 17:31

Instrument :

MSVOA_D

ClientSampleId :

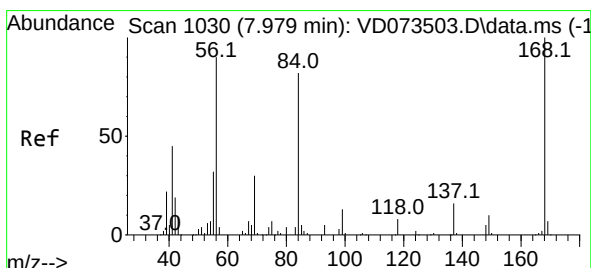
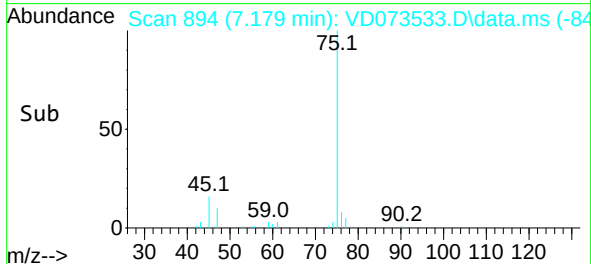
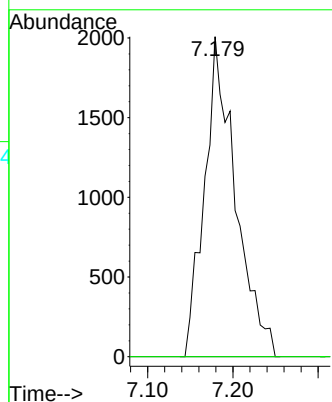
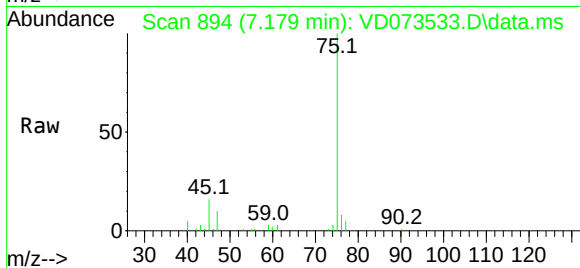
SC-18

Tgt Ion: 77 Resp: 5086

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.285 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD073533.D

Acq: 10 Jun 2022 17:31

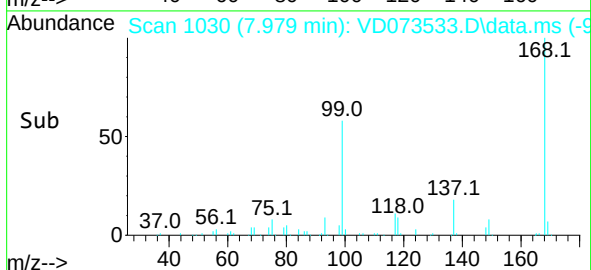
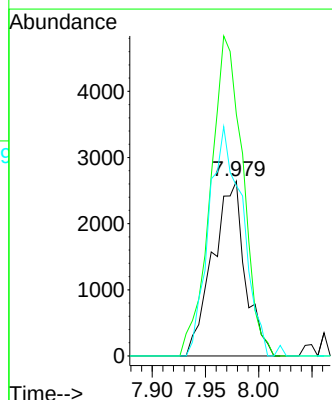
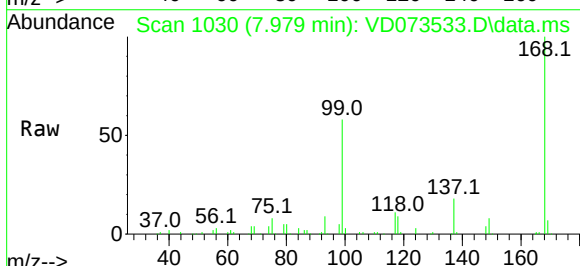
Tgt Ion: 56 Resp: 5572

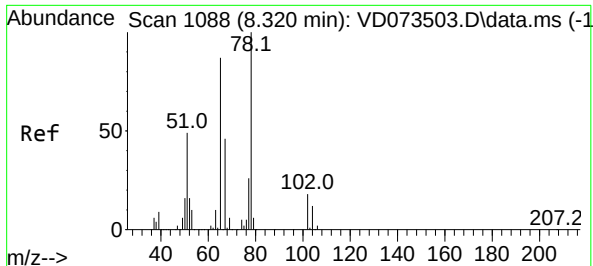
Ion Ratio Lower Upper

56 100

69 138.4 25.4 38.2#

84 97.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.469 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073533.D

Acq: 10 Jun 2022 17:31

Instrument :

MSVOA_D

ClientSampleId :

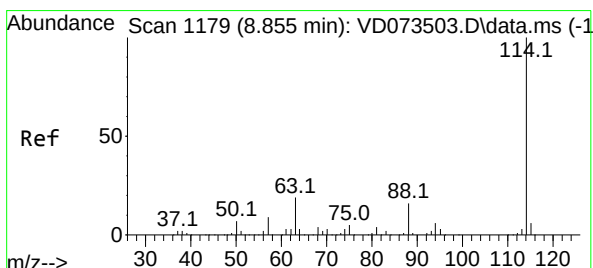
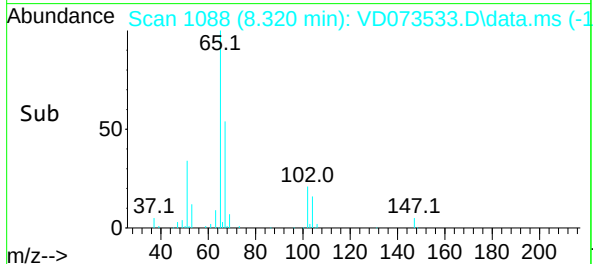
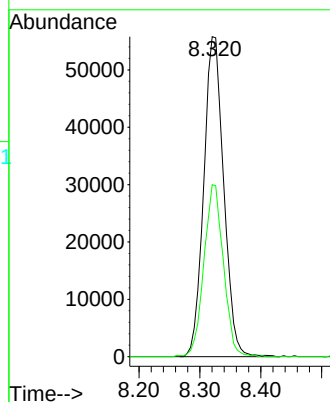
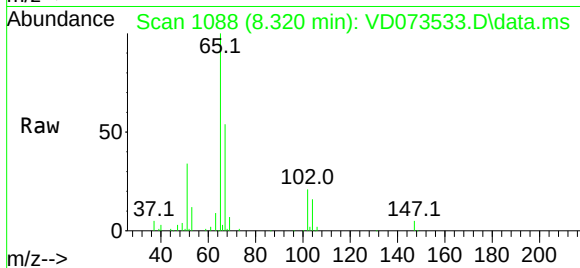
SC-18

Tgt Ion: 65 Resp: 127324

Ion Ratio Lower Upper

65 100

67 52.5 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: VD073533.D

Acq: 10 Jun 2022 17:31

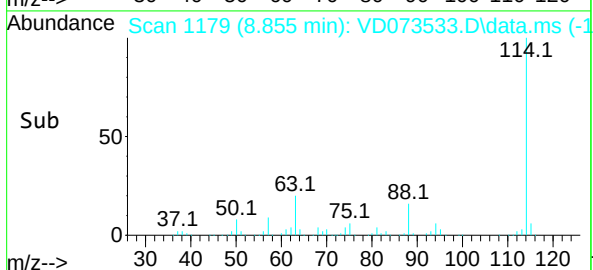
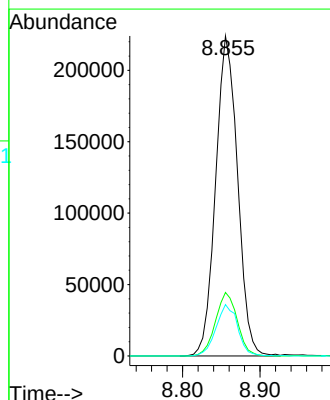
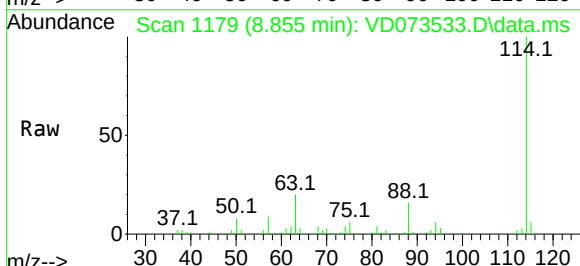
Tgt Ion: 114 Resp: 441119

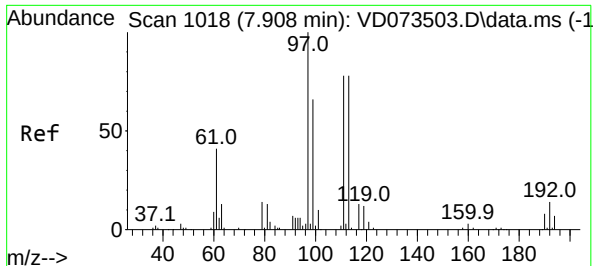
Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 18.644 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073533.D

Acq: 10 Jun 2022 17:31

Instrument :

MSVOA_D

ClientSampleId :

SC-18

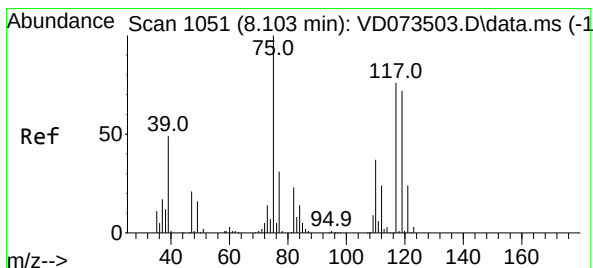
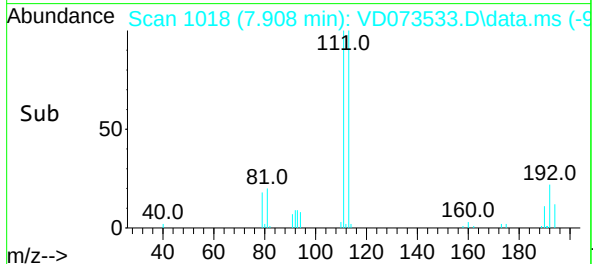
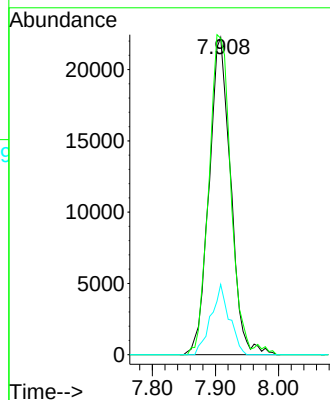
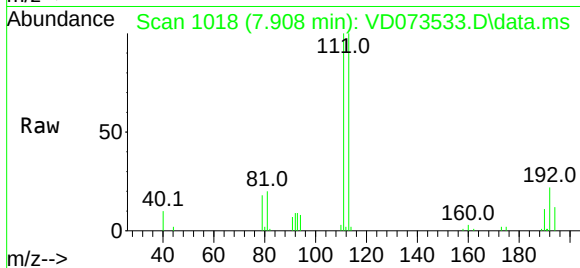
Tgt Ion:113 Resp: 52884

Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 18.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.546 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD073533.D

Acq: 10 Jun 2022 17:31

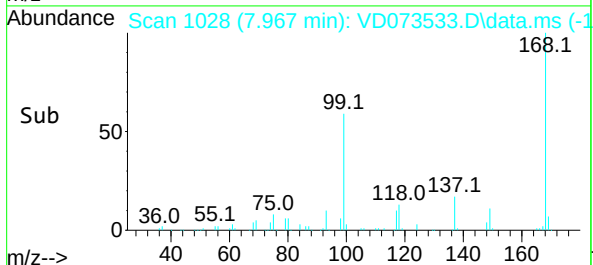
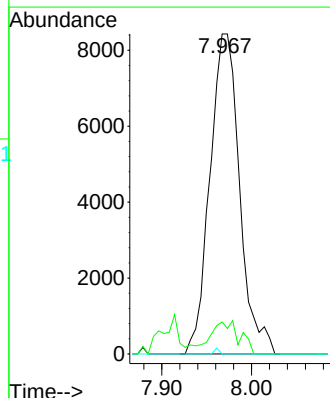
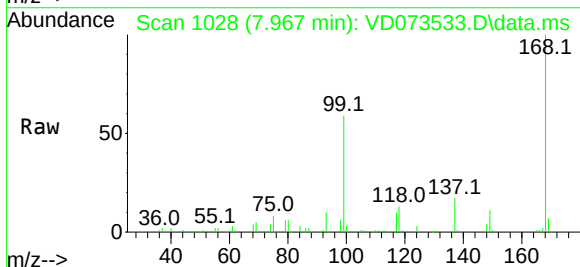
Tgt Ion: 75 Resp: 19367

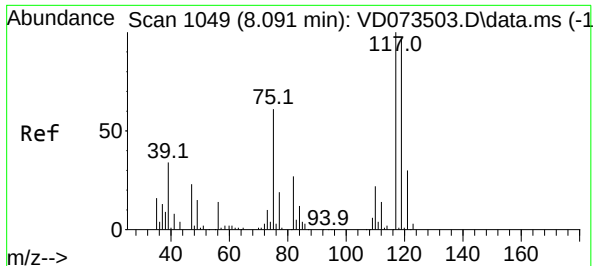
Ion Ratio Lower Upper

75 100

110 9.9 16.4 49.1#

77 0.3 24.2 36.2#

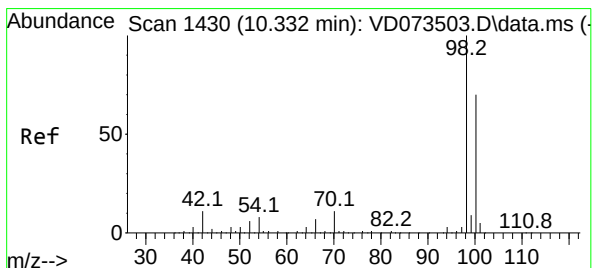
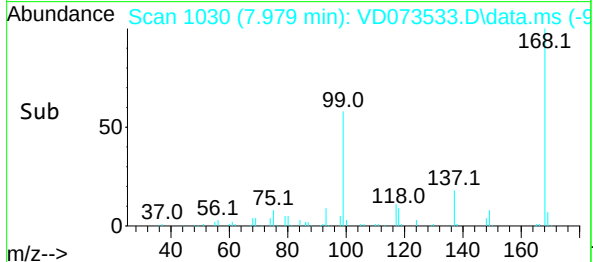
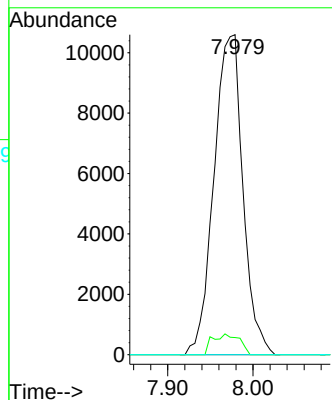
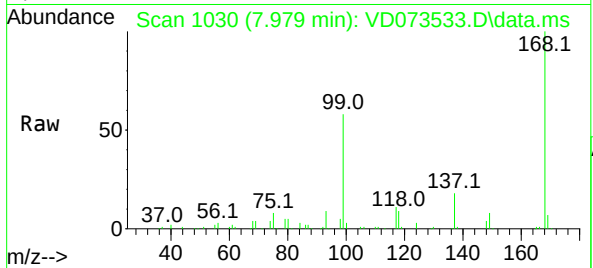




#38
Carbon Tetrachloride
Concen: 5.614 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073533.D
Acq: 10 Jun 2022 17:31

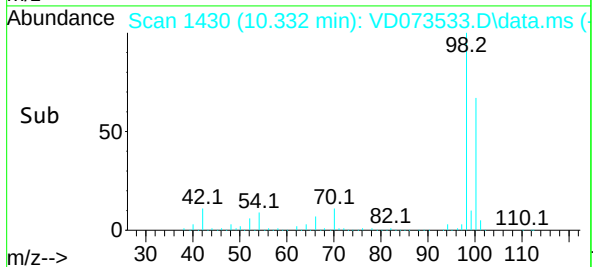
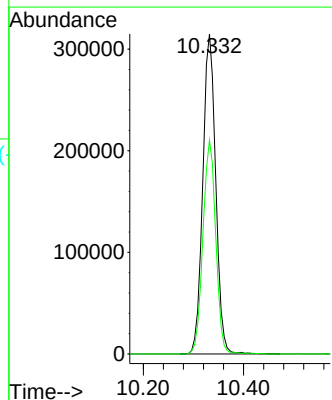
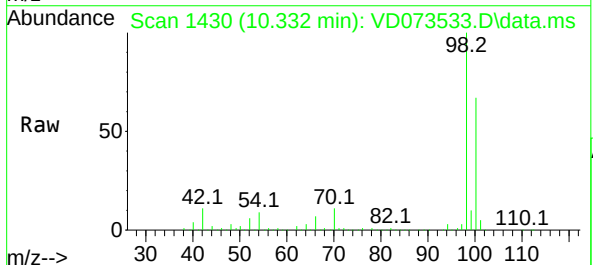
Instrument :
MSVOA_D
ClientSampleId :
SC-18

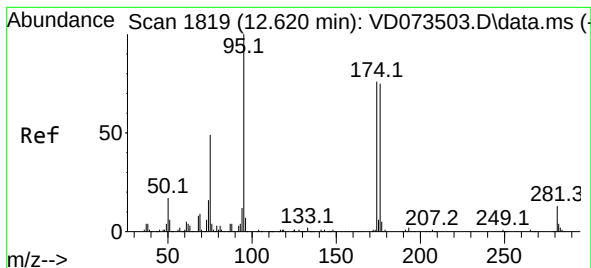
Tgt Ion:117 Resp: 25020
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.513 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073533.D
Acq: 10 Jun 2022 17:31

Tgt Ion: 98 Resp: 563184
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6

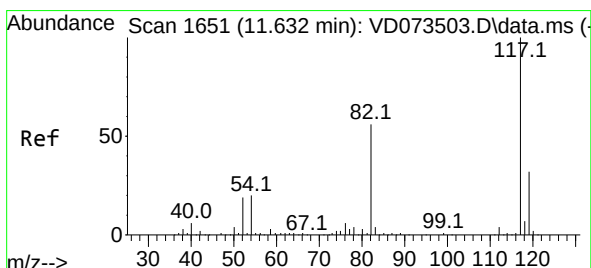
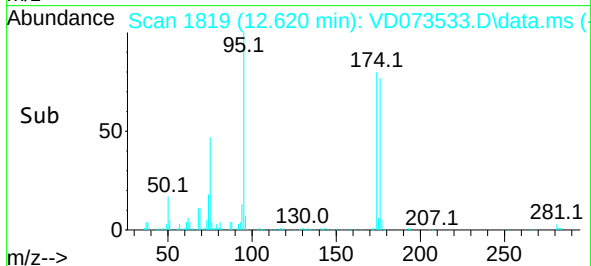
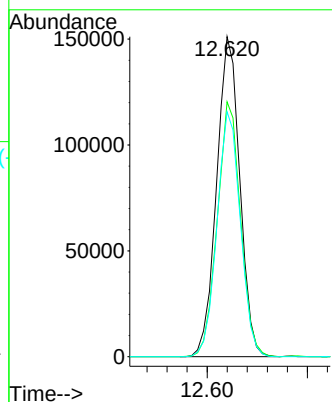
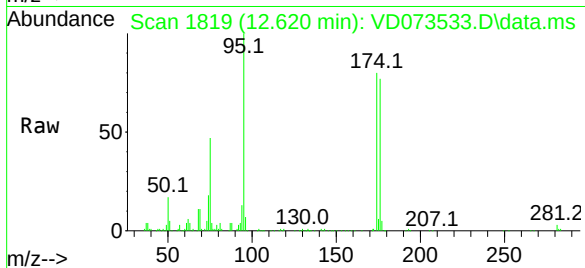




#62
4-Bromofluorobenzene
Concen: 62.151 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073533.D
Acq: 10 Jun 2022 17:31

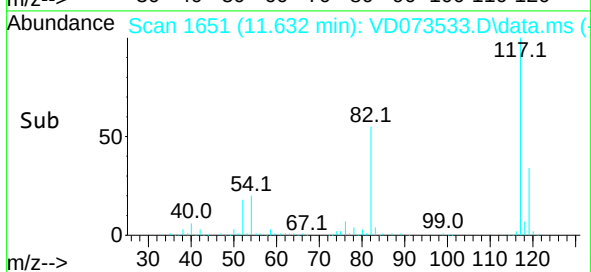
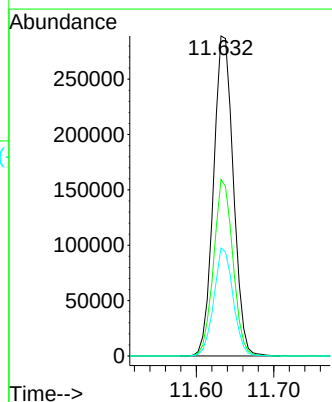
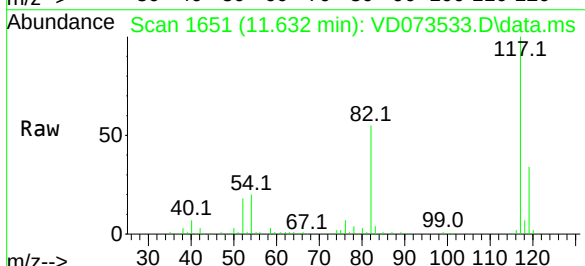
Instrument :
MSVOA_D
ClientSampleId :
SC-18

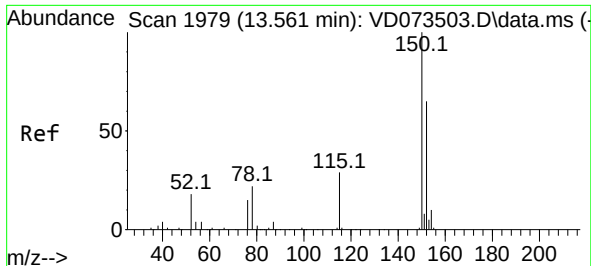
Tgt Ion: 95 Resp: 241978
Ion Ratio Lower Upper
95 100
174 79.8 0.0 152.8
176 77.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073533.D
Acq: 10 Jun 2022 17:31

Tgt Ion: 117 Resp: 512868
Ion Ratio Lower Upper
117 100
82 55.1 45.3 67.9
119 33.7 26.6 40.0

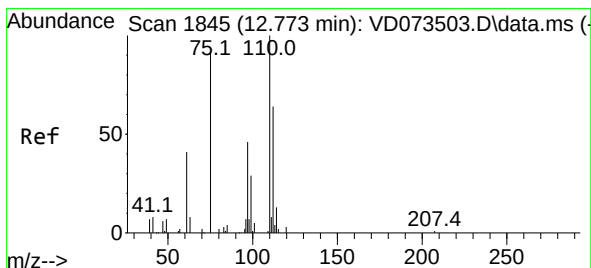
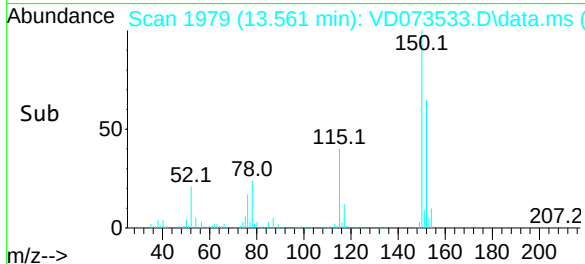
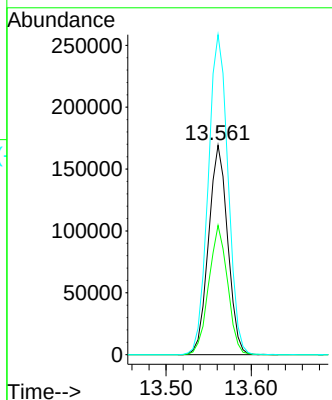
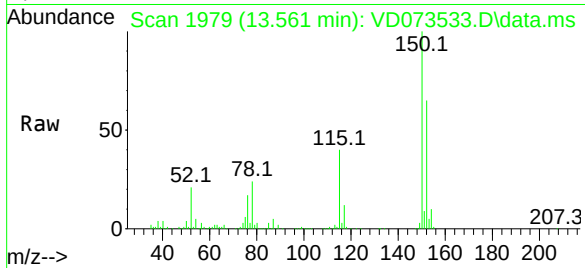




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: VD073533.D
 Acq: 10 Jun 2022 17:31

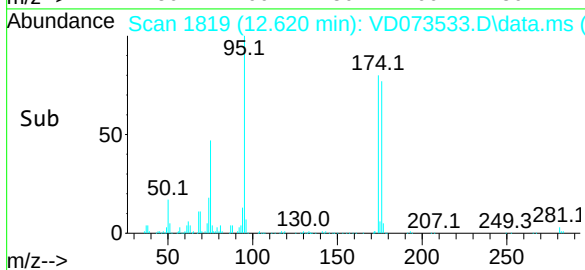
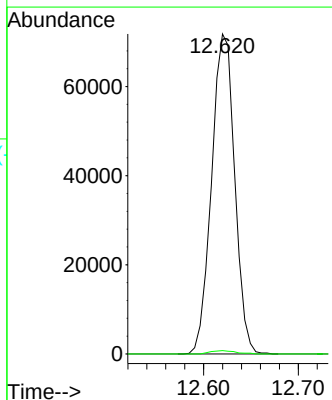
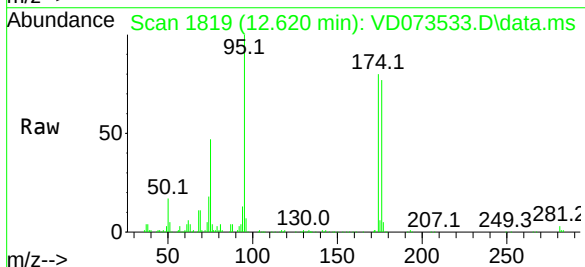
Instrument :
 MSVOA_D
 ClientSampleId :
 SC-18

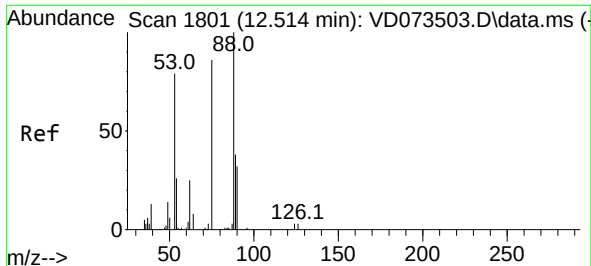
Tgt Ion:152 Resp: 264539
 Ion Ratio Lower Upper
 152 100
 115 60.7 31.3 93.8
 150 158.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.358 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073533.D
 Acq: 10 Jun 2022 17:31

Tgt Ion: 75 Resp: 121706
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

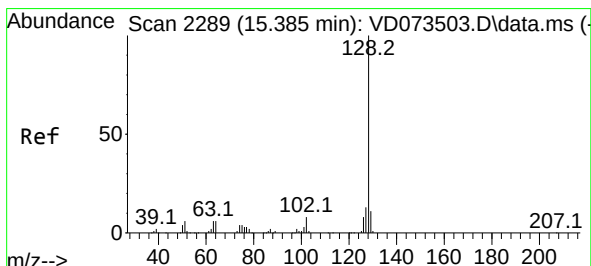
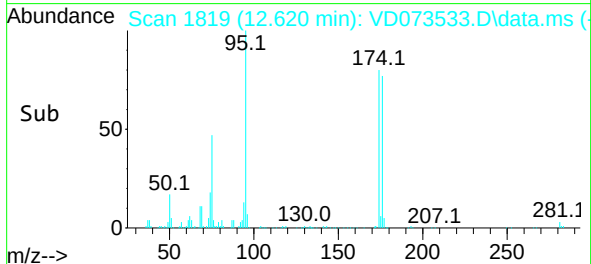
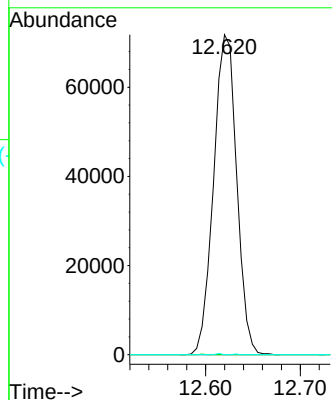
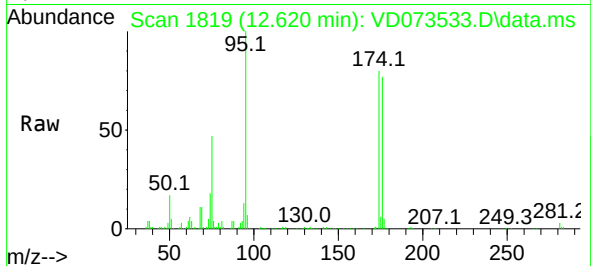




#81
trans-1,4-Dichloro-2-butene
Concen: 111.158 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073533.D
Acq: 10 Jun 2022 17:31

Instrument :
MSVOA_D
ClientSampleId :
SC-18

Tgt Ion: 75 Resp: 121706
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 4.583 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073533.D
Acq: 10 Jun 2022 17:31

Tgt Ion: 128 Resp: 3962
Ion Ratio Lower Upper
128 100
127 7.4 10.3 15.5#
129 6.3 8.4 12.6#

