

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073090.D
 Acq On : 18 May 2022 11:00
 Operator : VA/SY
 Sample : VD0518SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0518SBL01

Quant Time: May 18 16:27:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

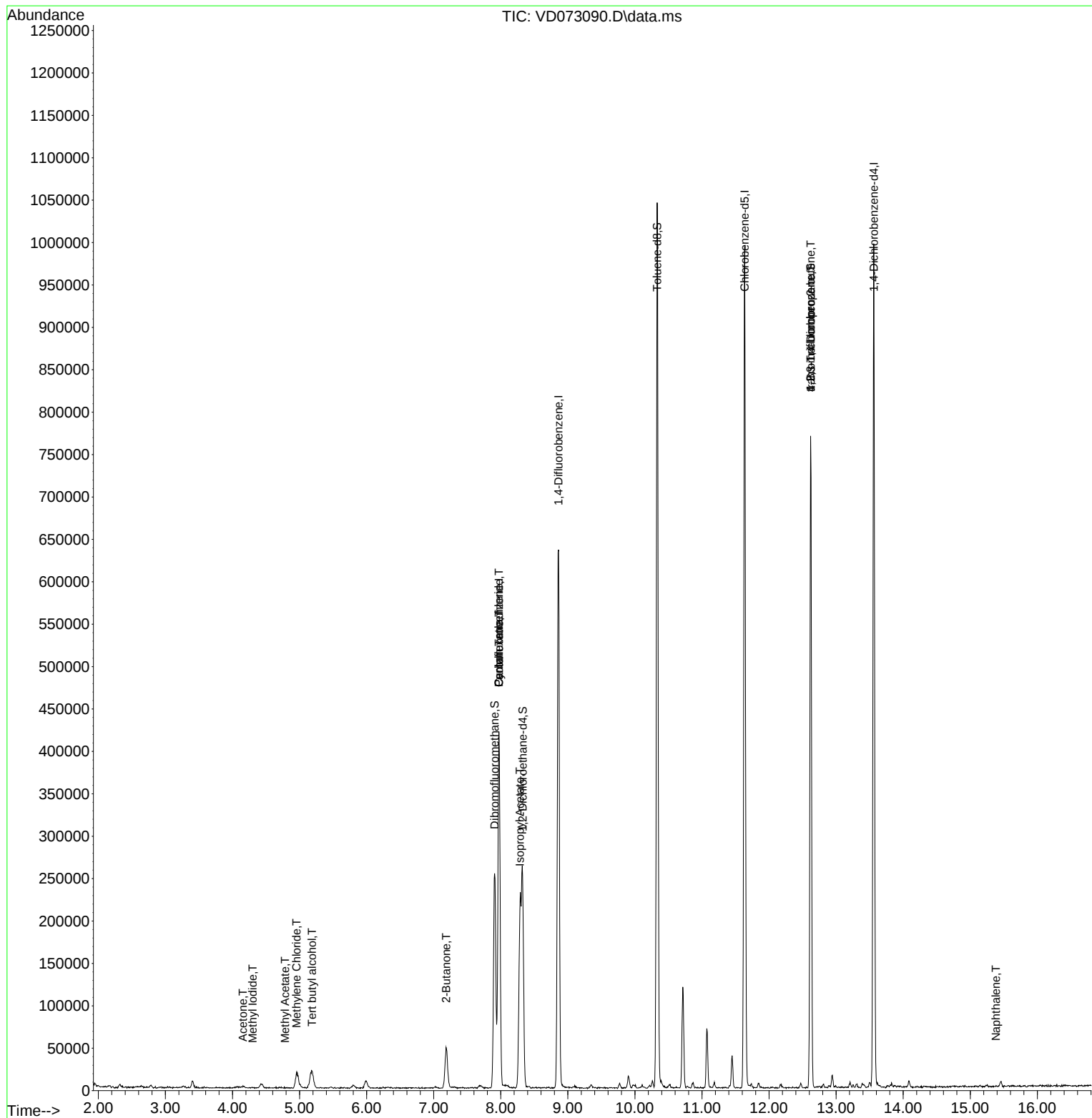
Internal Standards						
1) Pentafluorobenzene	7.973	168	301536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	556914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	574358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	259323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180990	47.996	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.000%		
35) Dibromofluoromethane	7.908	113	189930	48.573	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.140%		
50) Toluene-d8	10.332	98	691219	48.728	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.460%		
62) 4-Bromofluorobenzene	12.620	95	247878	48.245	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.500%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	1218	4.527	ug/l #	77
11) Tert butyl alcohol	5.185	59	18745	32.138	ug/l #	75
16) Acetone	4.156	43	3227	4.729	ug/l	90
18) Methyl Acetate	4.785	43	65	1.490	ug/l #	55
20) Methylene Chloride	4.956	84	13366	2.699	ug/l #	88
25) 2-Butanone	7.185	43	1938	1.875	ug/l #	85
31) Cyclohexane	7.973	56	8647	1.273	ug/l #	1
38) Carbon Tetrachloride	7.973	117	32091	4.923	ug/l #	15
43) Isopropyl Acetate	8.285	43	5326	1.071	ug/l #	28
76) 1,2,3-Trichloropropane	12.620	75	126447	43.134	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	126447	103.426	ug/l #	7
95) Naphthalene	15.384	128	873	4.339	ug/l #	70

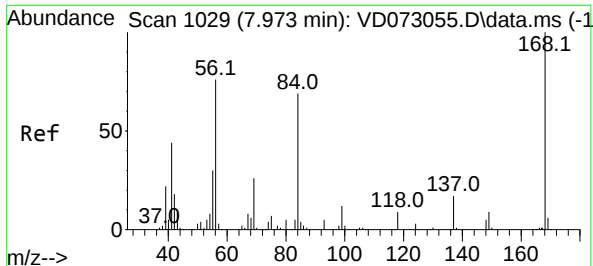
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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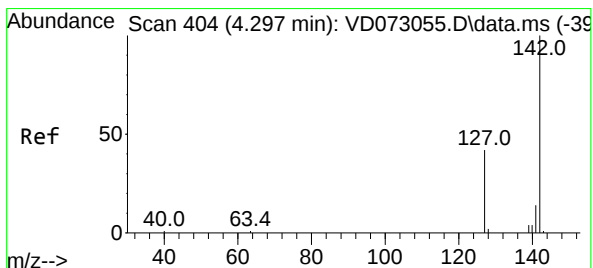
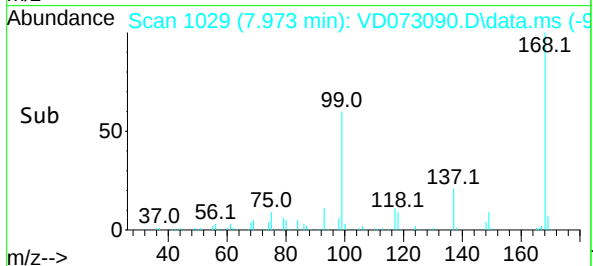
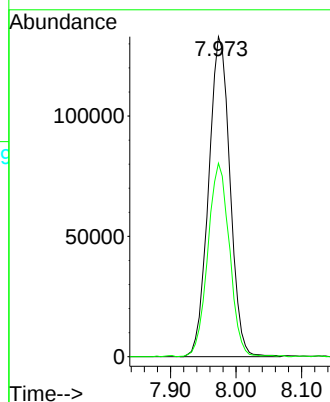
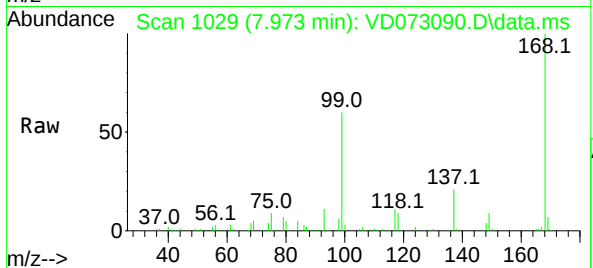




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073090.D
Acq: 18 May 2022 11:00

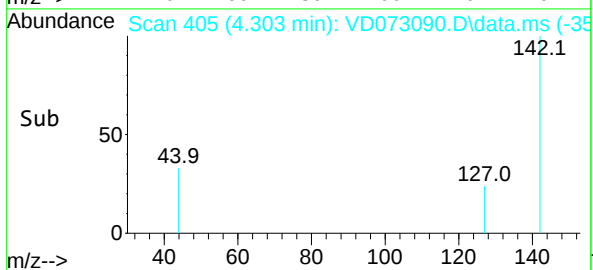
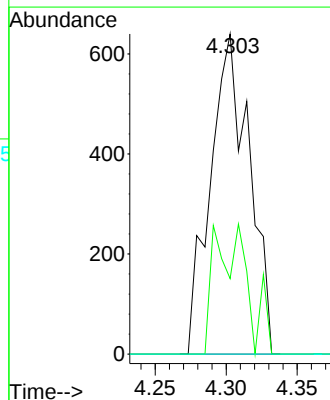
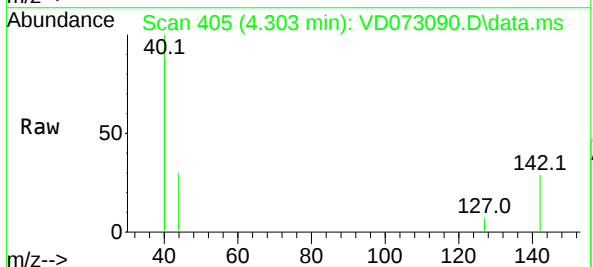
Instrument :
MSVOA_D
ClientSampleId :
VD0518SBL01

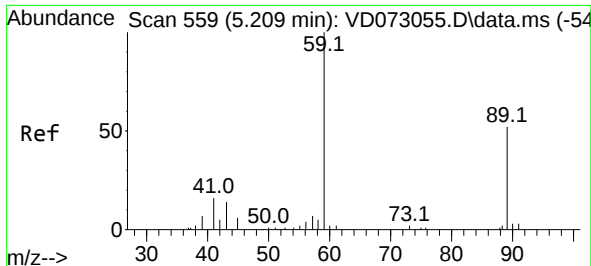
Tgt Ion:168 Resp: 301536
Ion Ratio Lower Upper
168 100
99 60.3 49.8 74.6



#10
Methyl Iodide
Concen: 4.527 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD073090.D
Acq: 18 May 2022 11:00

Tgt Ion:142 Resp: 1218
Ion Ratio Lower Upper
142 100
127 34.3 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 32.138 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.024 min

Lab File: VD073090.D

Acq: 18 May 2022 11:00

Instrument :

MSVOA_D

ClientSampleId :

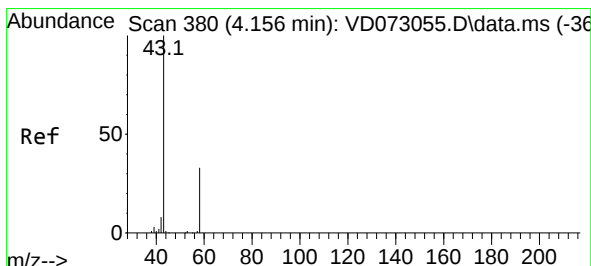
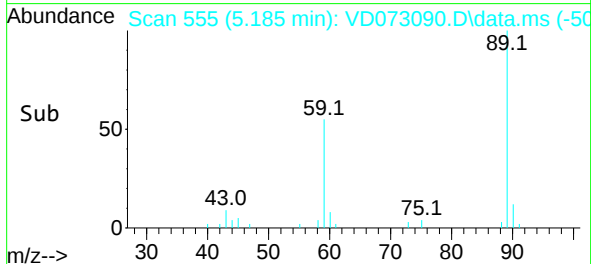
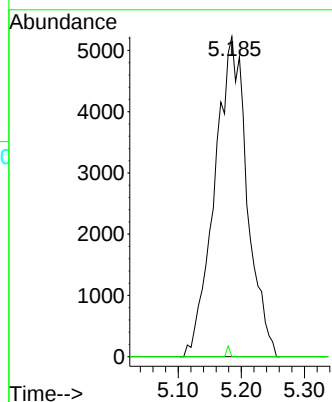
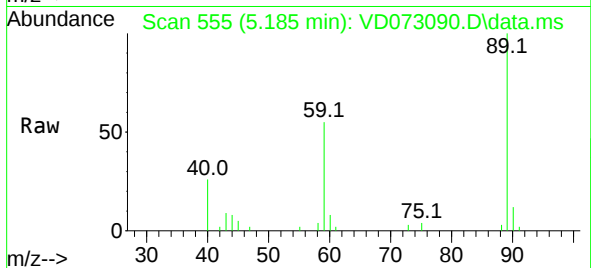
VD0518SBL01

Tgt Ion: 59 Resp: 18745

Ion Ratio Lower Upper

59 100

57 0.3 7.8 11.6#



#16

Acetone

Concen: 4.729 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.000 min

Lab File: VD073090.D

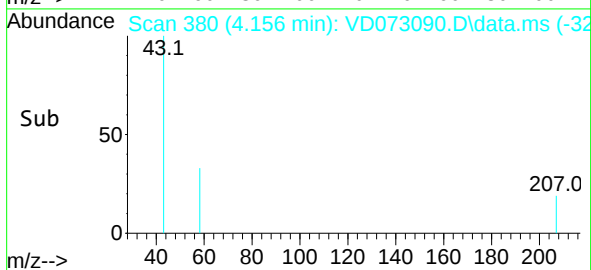
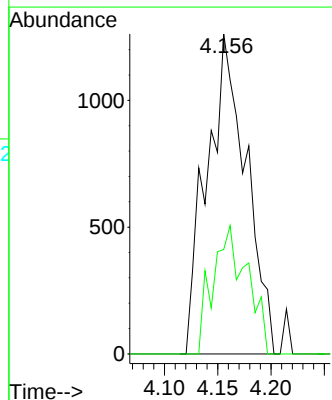
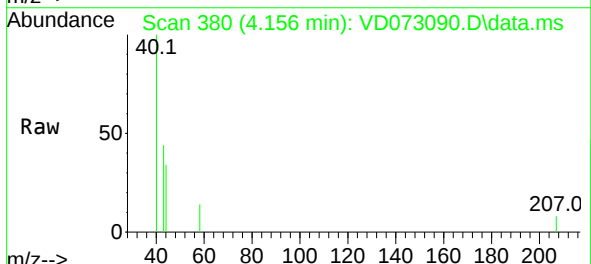
Acq: 18 May 2022 11:00

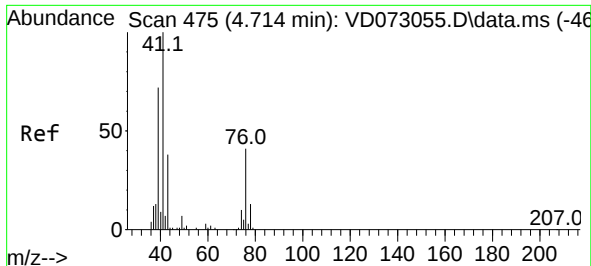
Tgt Ion: 43 Resp: 3227

Ion Ratio Lower Upper

43 100

58 32.6 22.1 33.1

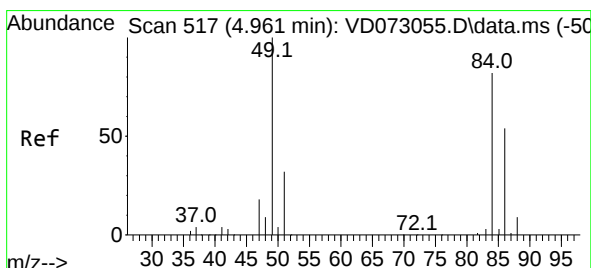
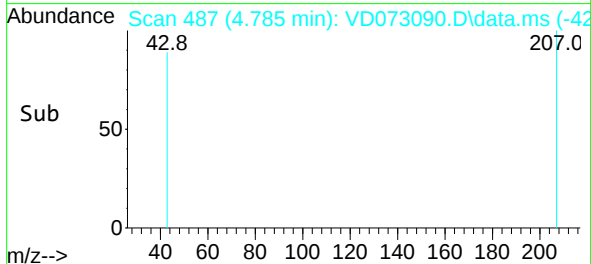
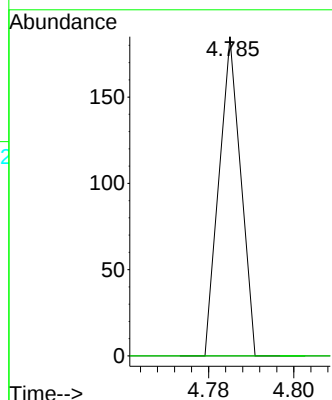
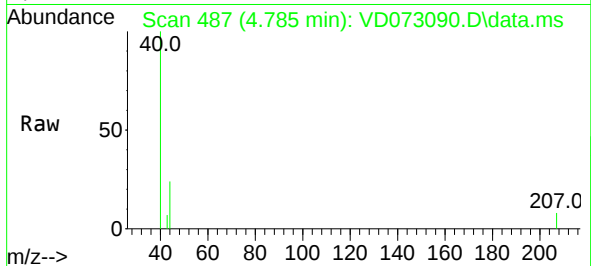




#18
Methyl Acetate
Concen: 1.490 ug/l
RT: 4.785 min Scan# 41
Delta R.T. 0.071 min
Lab File: VD073090.D
Acq: 18 May 2022 11:00

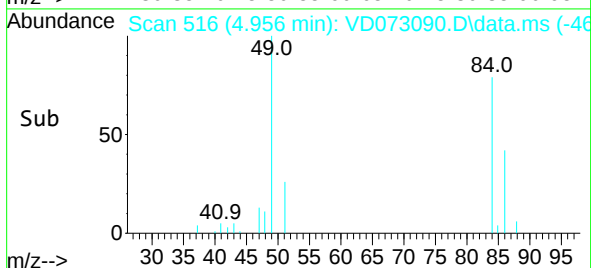
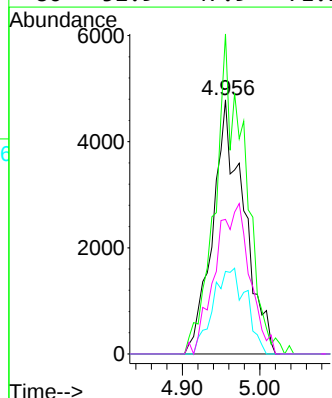
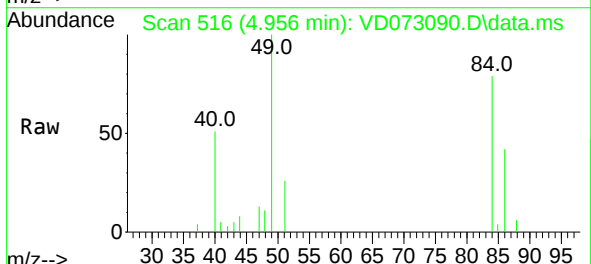
Instrument :
MSVOA_D
ClientSampleId :
VD0518SBL01

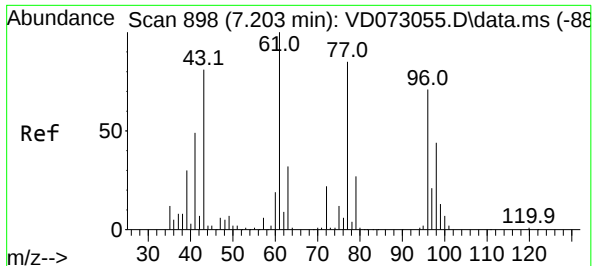
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 2.699 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073090.D
Acq: 18 May 2022 11:00

Tgt Ion: 84 Resp: 13366
Ion Ratio Lower Upper
84 100
49 125.9 112.8 169.2
51 32.5 32.6 48.8#
86 52.9 47.9 71.9





#25

2-Butanone

Concen: 1.875 ug/l

RT: 7.185 min Scan# 89

Delta R.T. -0.018 min

Lab File: VD073090.D

Acq: 18 May 2022 11:00

Instrument :

MSVOA_D

ClientSampleId :

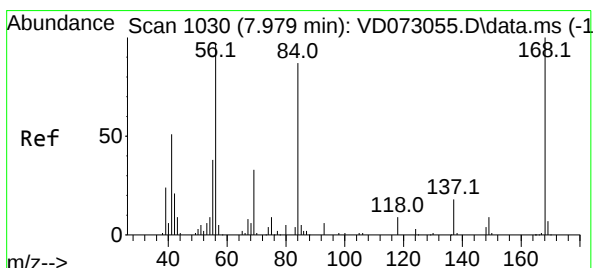
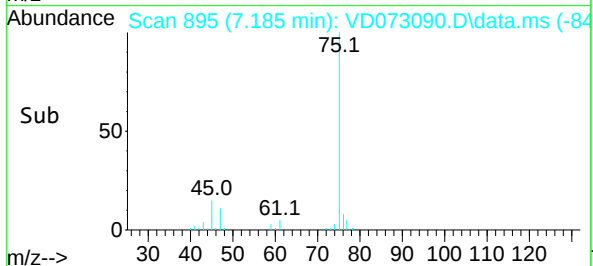
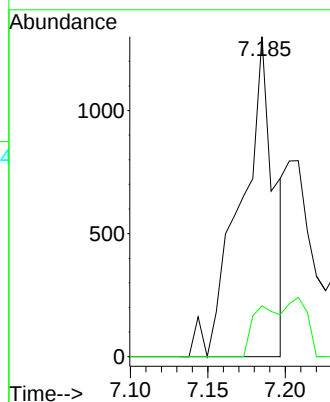
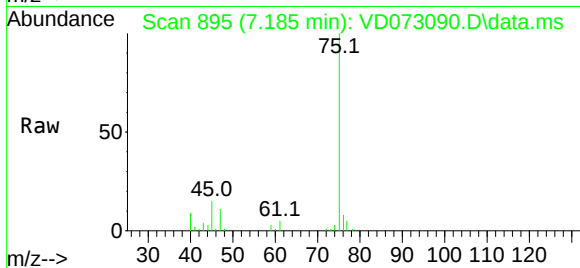
VD0518SBL01

Tgt Ion: 43 Resp: 1938

Ion Ratio Lower Upper

43 100

72 15.9 18.6 27.8#



#31

Cyclohexane

Concen: 1.273 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073090.D

Acq: 18 May 2022 11:00

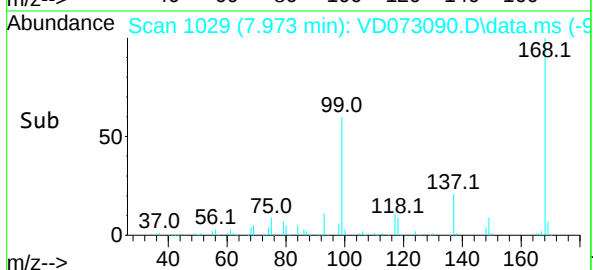
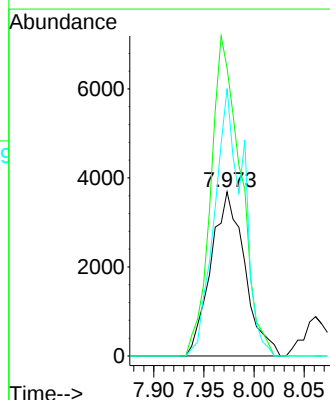
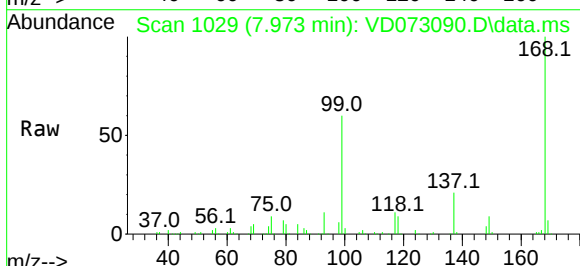
Tgt Ion: 56 Resp: 8647

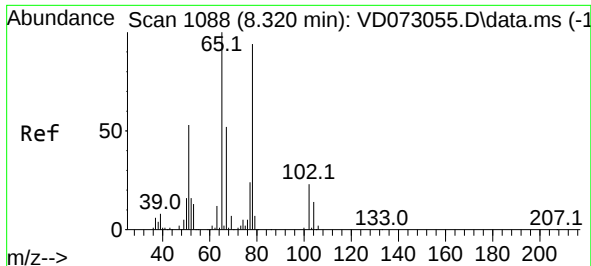
Ion Ratio Lower Upper

56 100

69 175.3 25.4 38.2#

84 162.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.996 ug/l

RT: 8.326 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD073090.D

Acq: 18 May 2022 11:00

Instrument :

MSVOA_D

ClientSampleId :

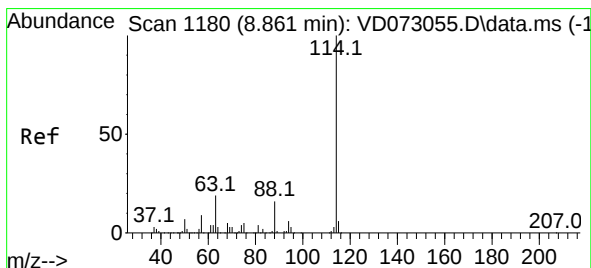
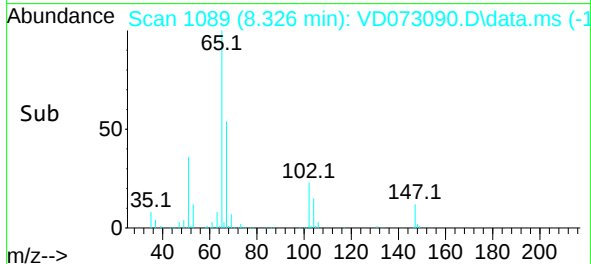
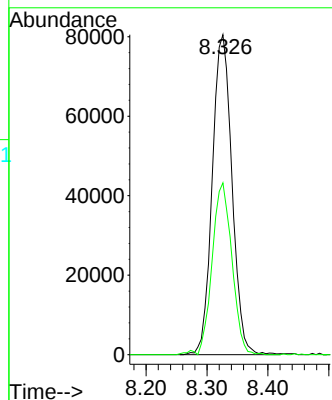
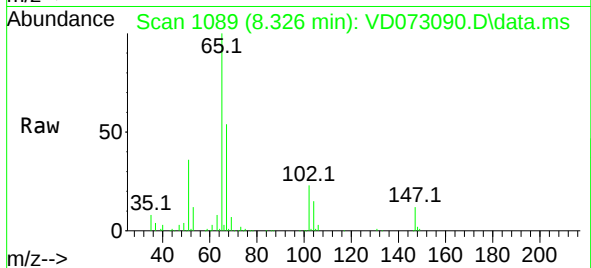
VD0518SBL01

Tgt Ion: 65 Resp: 180990

Ion Ratio Lower Upper

65 100

67 54.0 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: VD073090.D

Acq: 18 May 2022 11:00

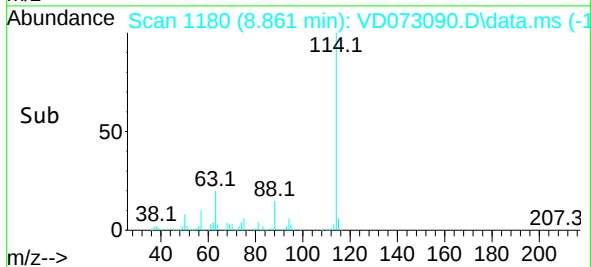
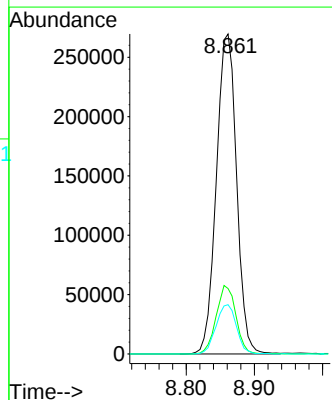
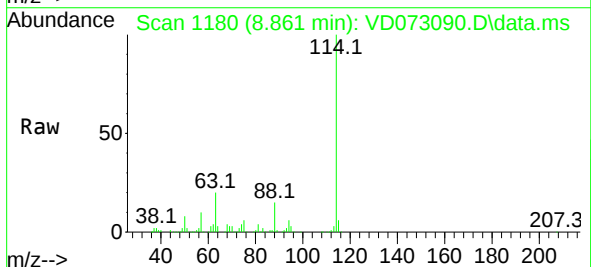
Tgt Ion: 114 Resp: 556914

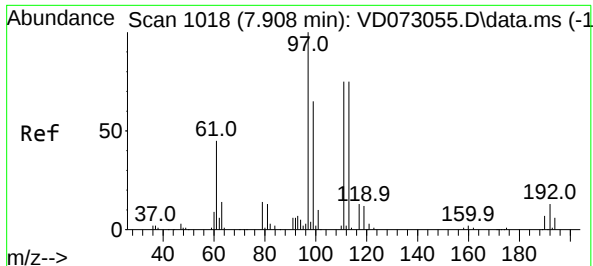
Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.573 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073090.D

Acq: 18 May 2022 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD0518SBL01

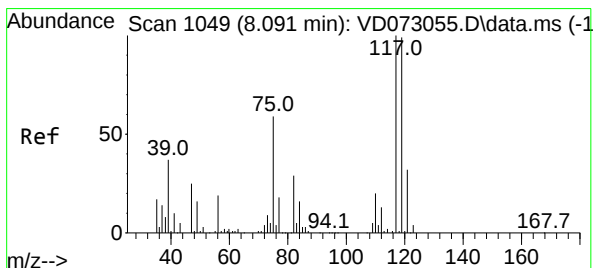
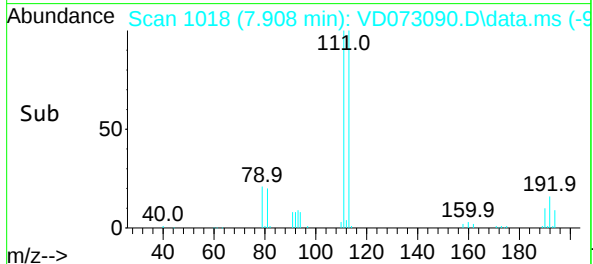
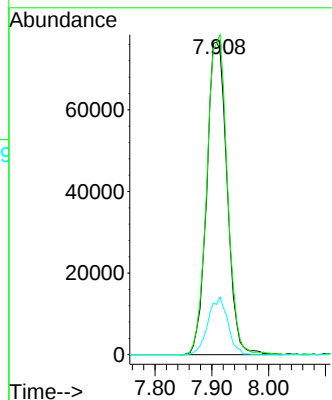
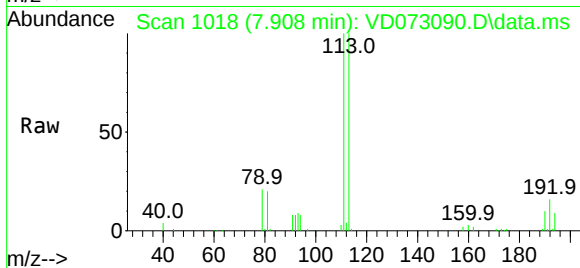
Tgt Ion:113 Resp: 189930

Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 17.9 14.6 21.8



#38

Carbon Tetrachloride

Concen: 4.923 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073090.D

Acq: 18 May 2022 11:00

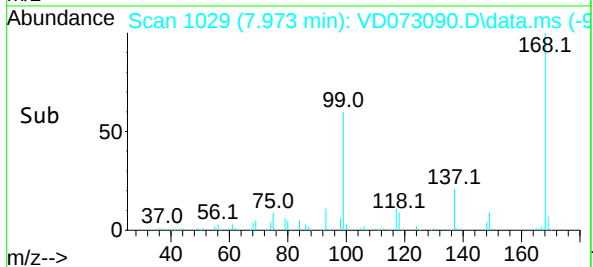
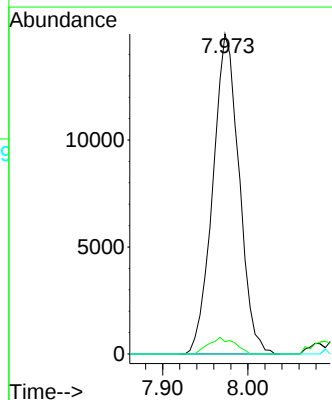
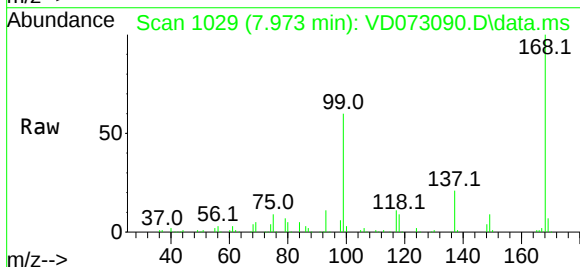
Tgt Ion:117 Resp: 32091

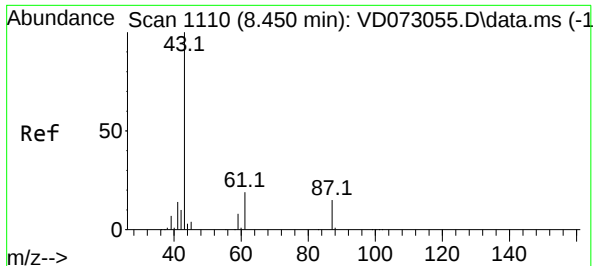
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.6#

121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 1.071 ug/l

RT: 8.285 min Scan# 1110

Delta R.T. -0.165 min

Lab File: VD073090.D

Acq: 18 May 2022 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD0518SBL01

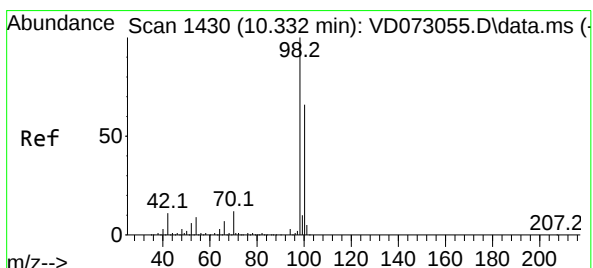
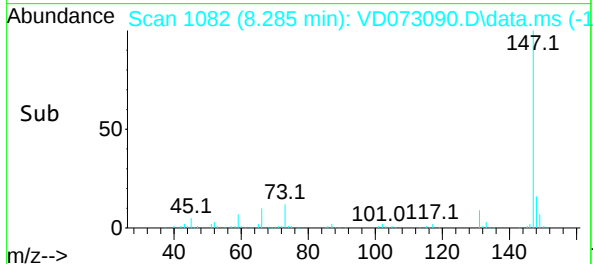
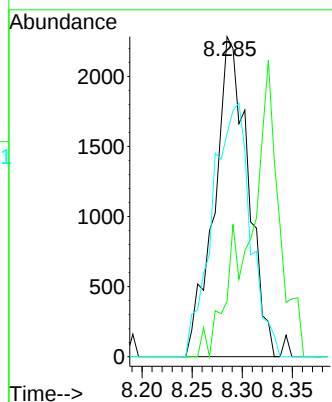
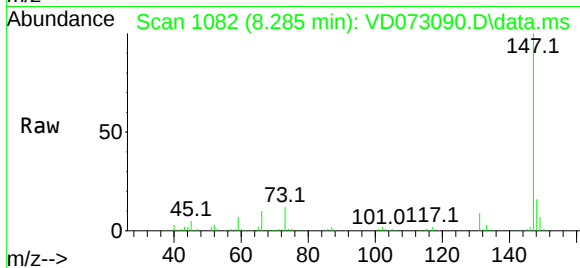
Tgt Ion: 43 Resp: 5326

Ion Ratio Lower Upper

43 100

61 18.1 22.4 33.6#

87 90.2 8.7 13.1#



#50

Toluene-d8

Concen: 48.728 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD073090.D

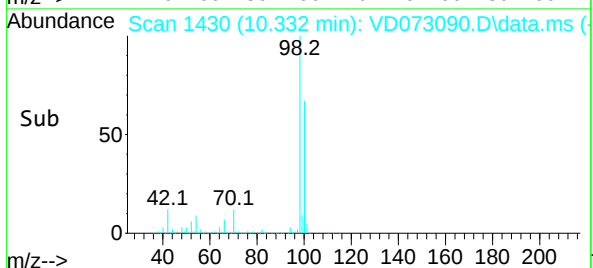
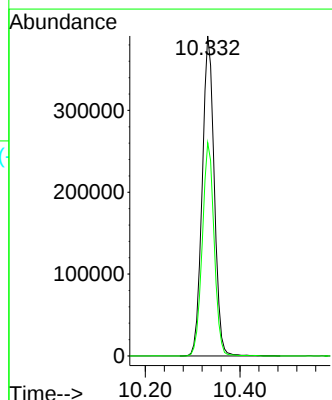
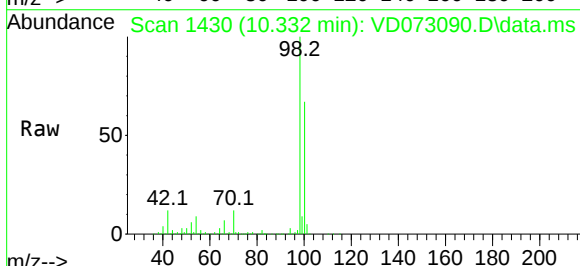
Acq: 18 May 2022 11:00

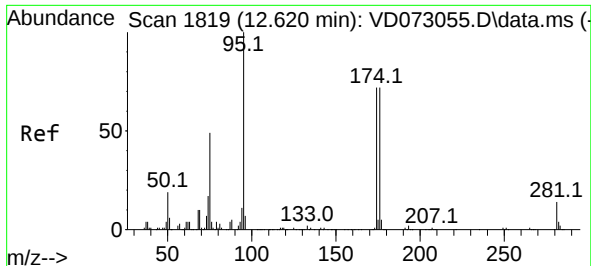
Tgt Ion: 98 Resp: 691219

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6

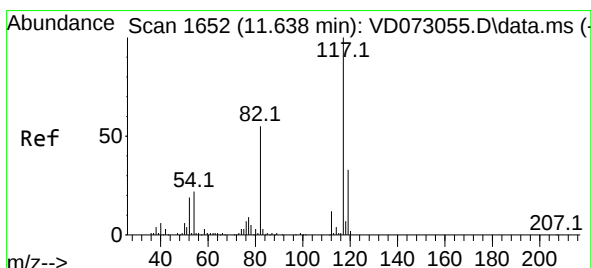
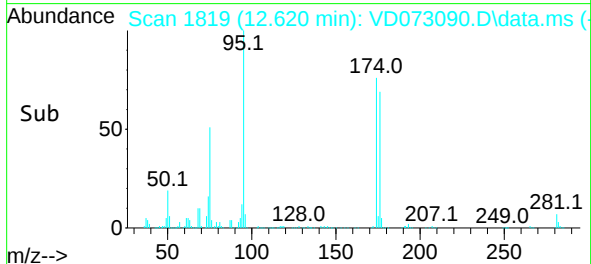
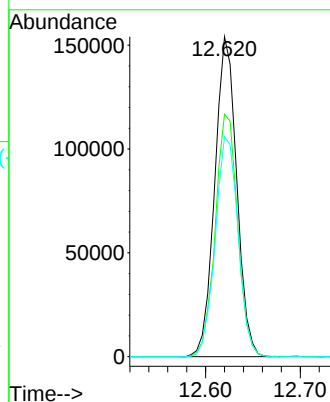
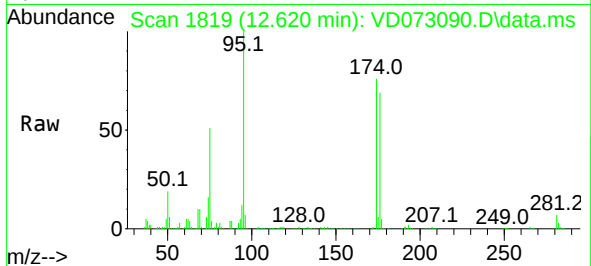




#62
4-Bromofluorobenzene
Concen: 48.245 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073090.D
Acq: 18 May 2022 11:00

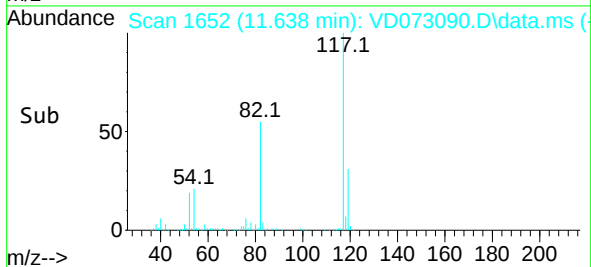
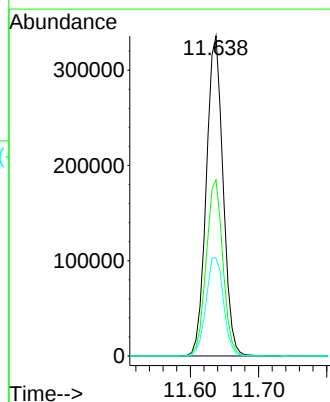
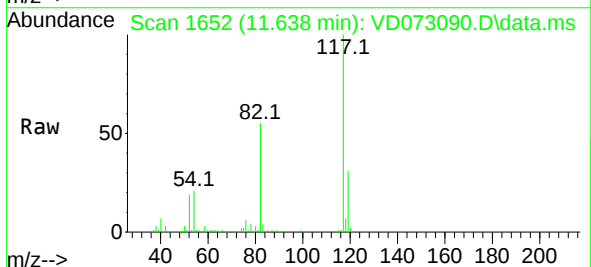
Instrument :
MSVOA_D
ClientSampleId :
VD0518SBL01

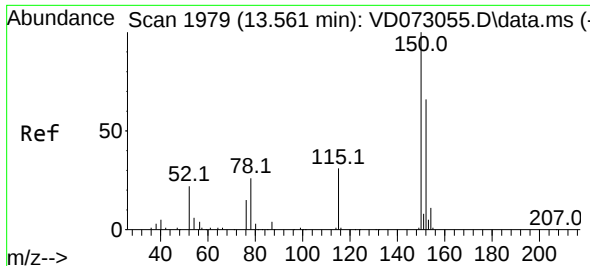
Tgt Ion: 95 Resp: 247878
Ion Ratio Lower Upper
95 100
174 77.5 0.0 152.8
176 71.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073090.D
Acq: 18 May 2022 11:00

Tgt Ion: 117 Resp: 574358
Ion Ratio Lower Upper
117 100
82 55.0 45.3 67.9
119 30.6 26.6 40.0

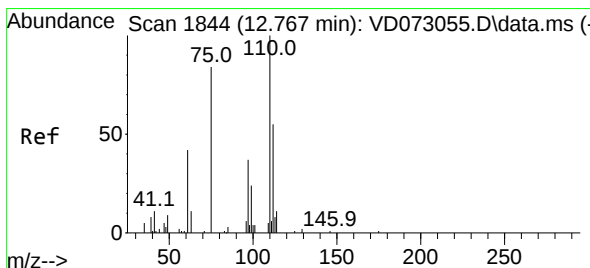
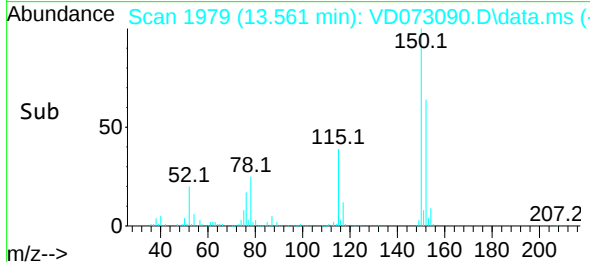
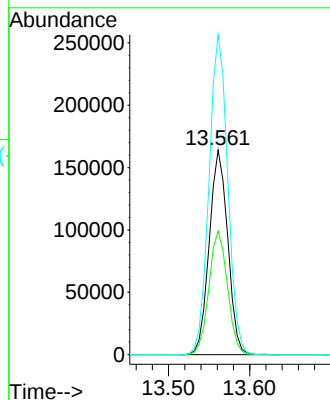
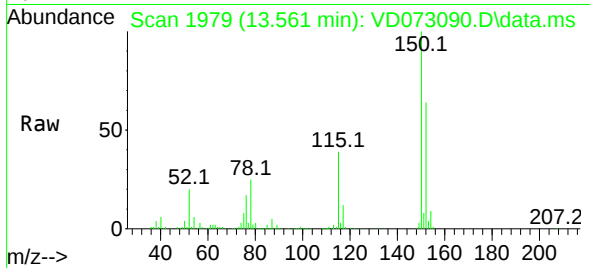




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073090.D
 Acq: 18 May 2022 11:00

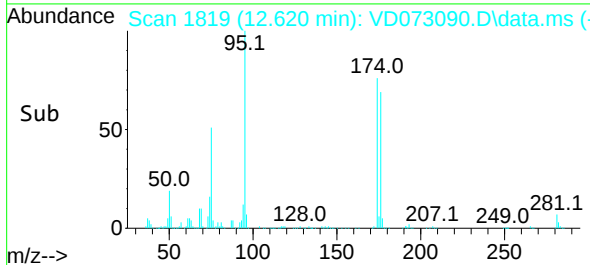
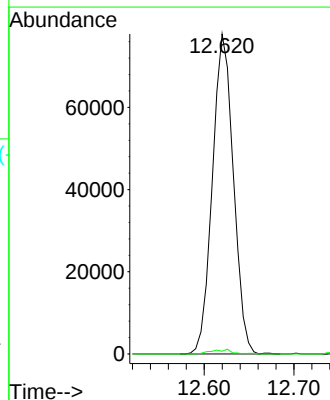
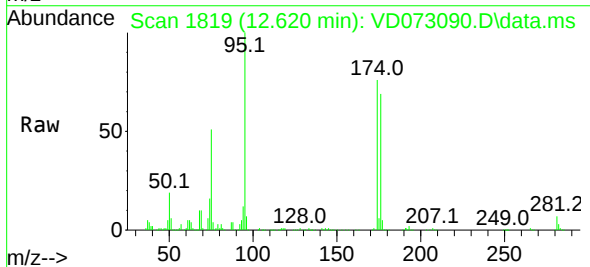
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0518SBL01

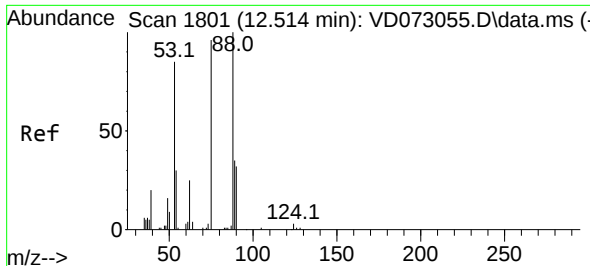
Tgt Ion:152 Resp: 259323
 Ion Ratio Lower Upper
 152 100
 115 60.6 31.3 93.8
 150 158.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 43.134 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073090.D
 Acq: 18 May 2022 11:00

Tgt Ion: 75 Resp: 126447
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

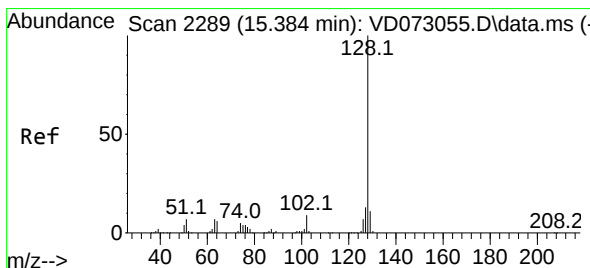
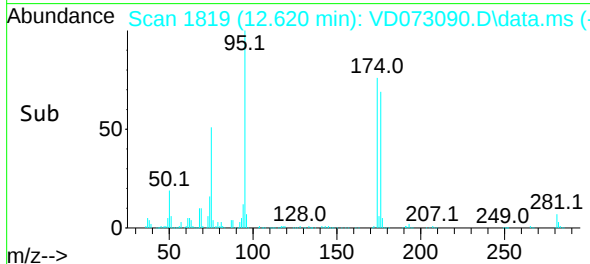
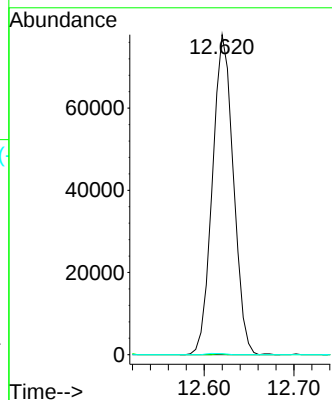
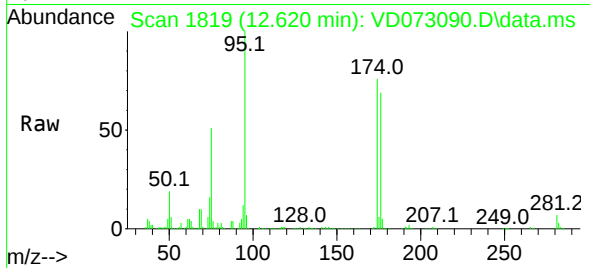




#81
trans-1,4-Dichloro-2-butene
Concen: 103.426 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073090.D
Acq: 18 May 2022 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD0518SBL01

Tgt Ion: 75 Resp: 126447
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.3 33.9 50.9#



#95
Naphthalene
Concen: 4.339 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD073090.D
Acq: 18 May 2022 11:00

Tgt Ion: 128 Resp: 873
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

