

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073192.D
 Acq On : 20 May 2022 19:22
 Operator : VA/SY
 Sample : N2914-01
 Misc : 5.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

Quant Time: May 21 00:16:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

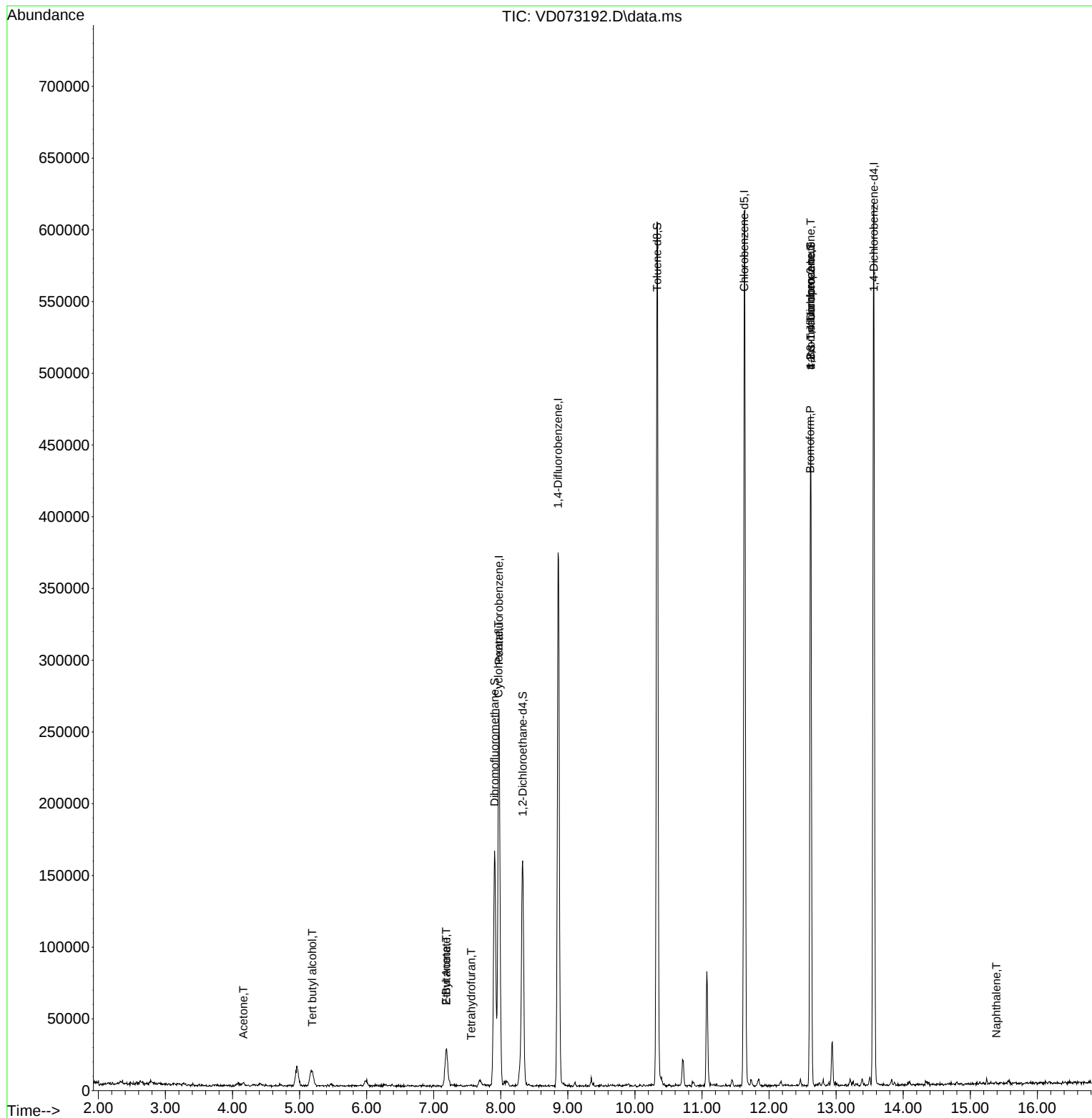
Internal Standards						
1) Pentafluorobenzene	7.973	168	182638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	317787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	353361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	162252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	127096	62.968	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.940%	
35) Dibromofluoromethane	7.908	113	118086	56.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.620%	
50) Toluene-d8	10.332	98	405193	52.419	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.840%	
62) 4-Bromofluorobenzene	12.620	95	151931	56.006	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.020%	
Target Compounds						
5) Bromomethane	2.768	94	809	Below Cal	Qvalue 87	
11) Tert butyl alcohol	5.191	59	11576	36.966 ug/l #	74	
13) Acrolein	4.009	56	69	Below Cal #	14	
16) Acetone	4.162	43	3763	10.763 ug/l	95	
25) 2-Butanone	7.185	43	1863	3.642 ug/l #	52	
29) Tetrahydrofuran	7.561	42	389	1.176 ug/l #	38	
31) Cyclohexane	7.967	56	5804	1.645 ug/l #	1	
37) Ethyl Acetate	7.185	43	1863	1.496 ug/l #	1	
71) Bromoform	12.614	173	1461	1.056 ug/l #	29	
76) 1,2,3-Trichloropropane	12.620	75	77386	48.610 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.620	75	77386	116.698 ug/l #	7	
95) Naphthalene	15.390	128	1370	3.781 ug/l #	75	

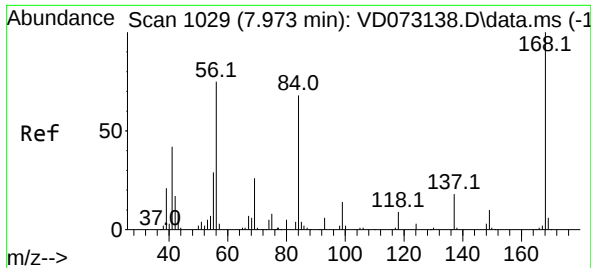
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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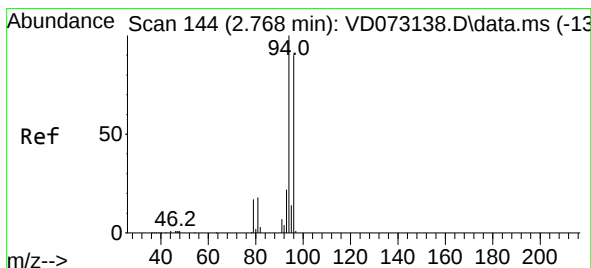
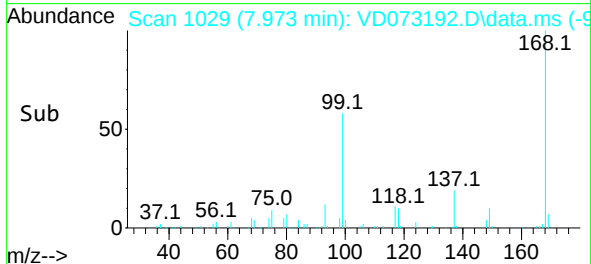
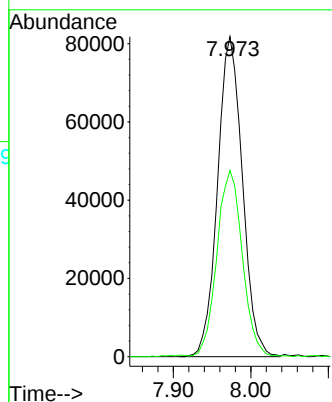
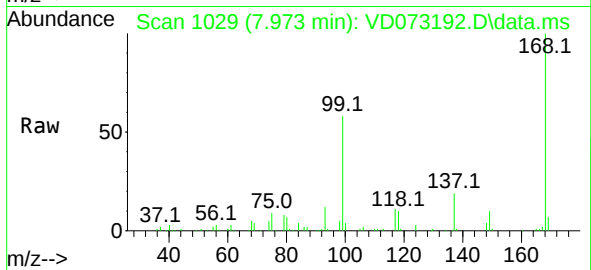




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

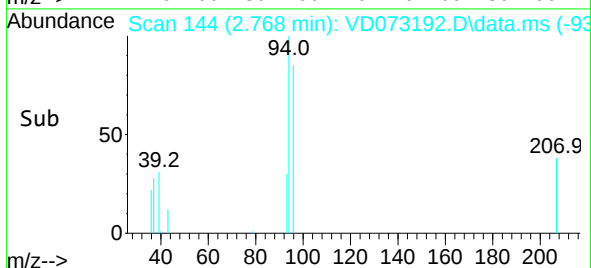
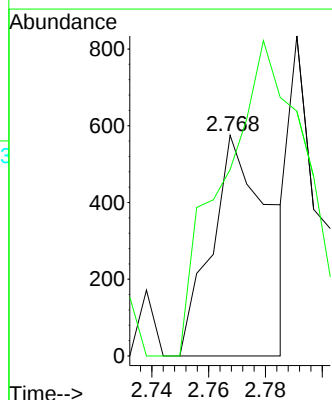
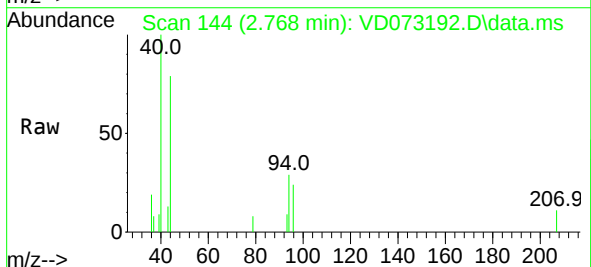
Instrument :
MSVOA_D
ClientSampleId :
SP-1

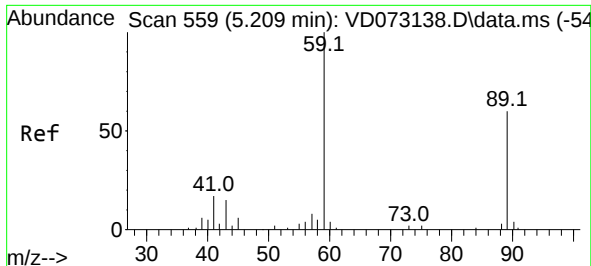
Tgt Ion:168 Resp: 182638
Ion Ratio Lower Upper
168 100
99 58.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

Tgt Ion: 94 Resp: 809
Ion Ratio Lower Upper
94 100
96 84.5 77.6 116.4

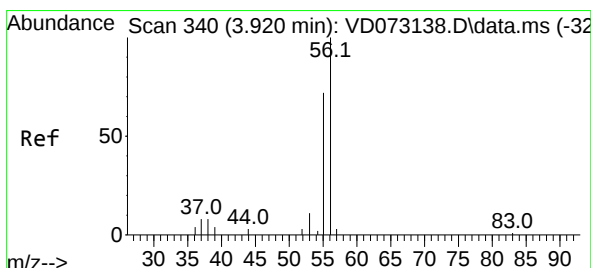
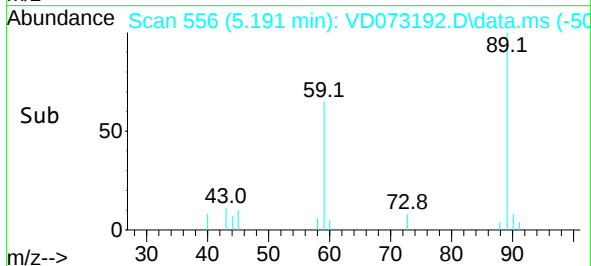
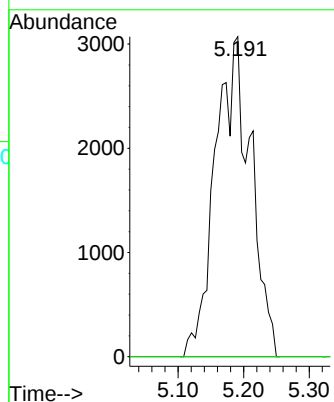
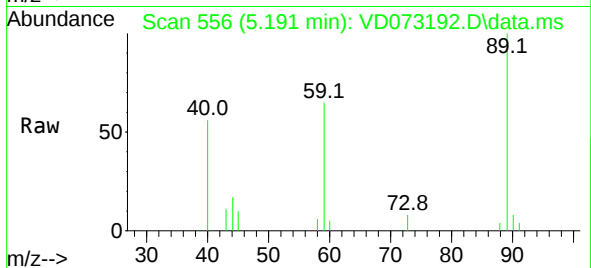




#11
Tert butyl alcohol
Concen: 36.966 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

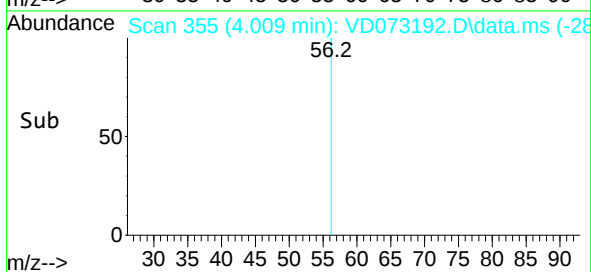
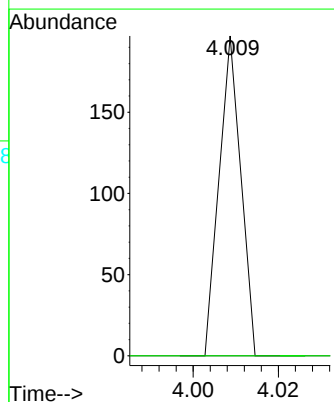
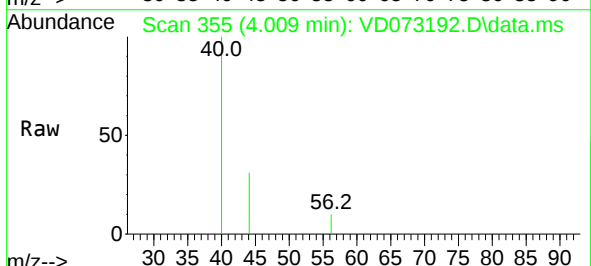
Instrument :
MSVOA_D
ClientSampleId :
SP-1

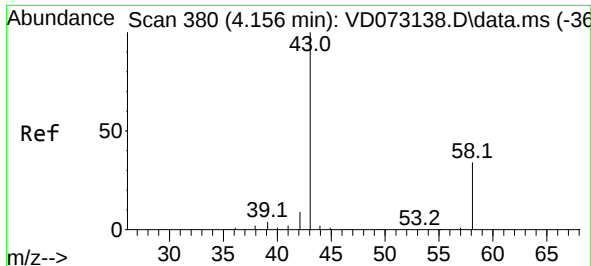
Tgt Ion: 59 Resp: 11576
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 4.009 min Scan# 355
Delta R.T. 0.089 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

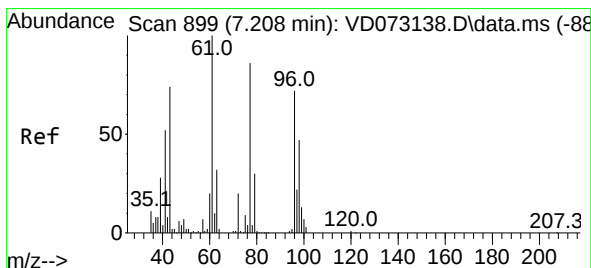
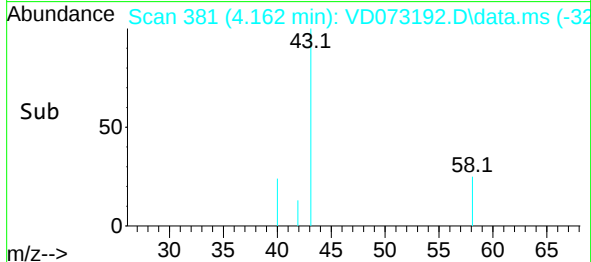
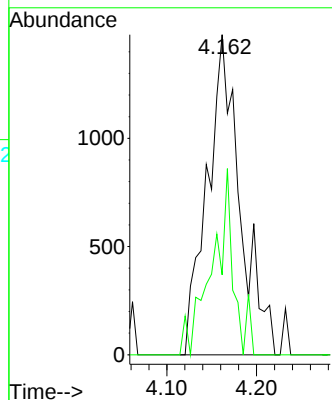
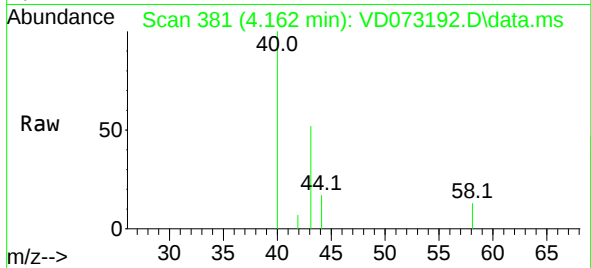




#16
Acetone
Concen: 10.763 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

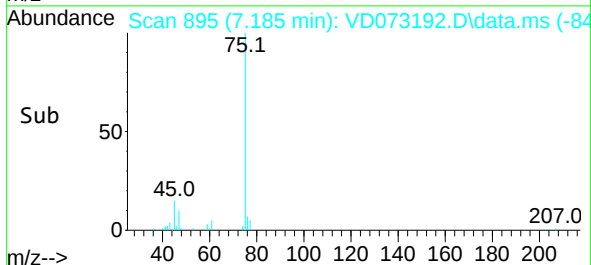
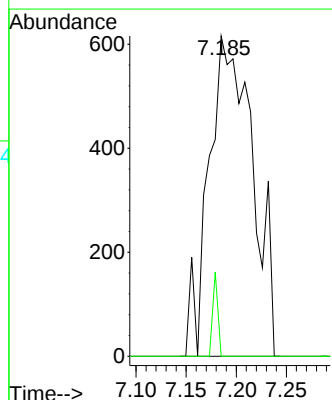
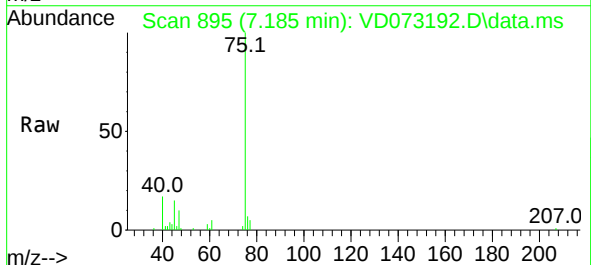
Instrument :
MSVOA_D
ClientSampleId :
SP-1

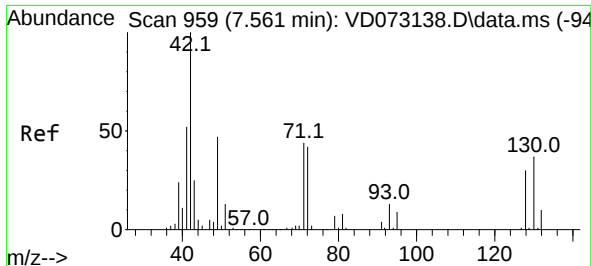
Tgt Ion: 43 Resp: 3763
Ion Ratio Lower Upper
43 100
58 24.9 22.1 33.1



#25
2-Butanone
Concen: 3.642 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

Tgt Ion: 43 Resp: 1863
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#29

Tetrahydrofuran

Concen: 1.176 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD073192.D

Acq: 20 May 2022 19:22

Instrument :

MSVOA_D

ClientSampleId :

SP-1

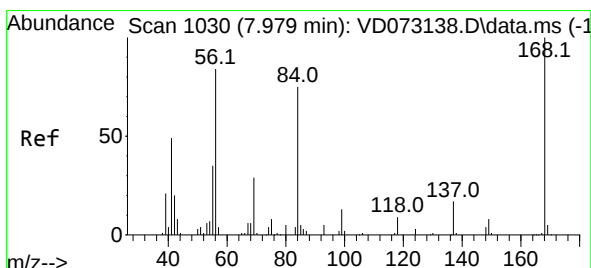
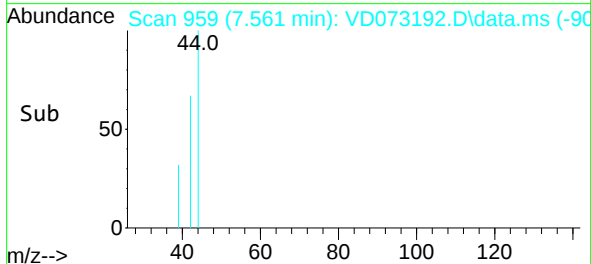
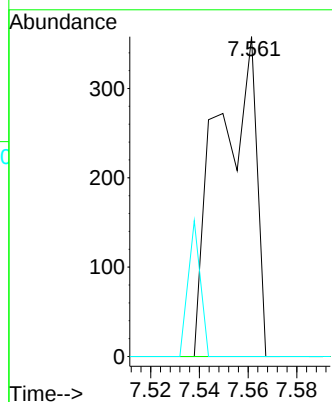
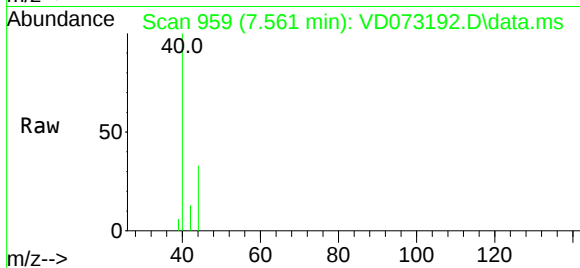
Tgt Ion: 42 Resp: 389

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#



#31

Cyclohexane

Concen: 1.645 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073192.D

Acq: 20 May 2022 19:22

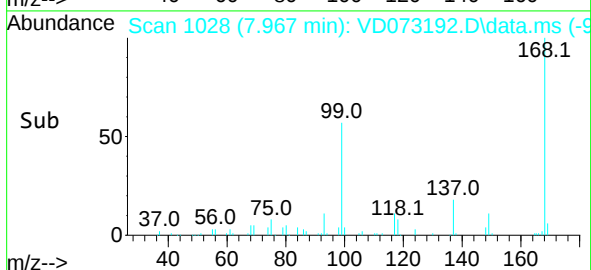
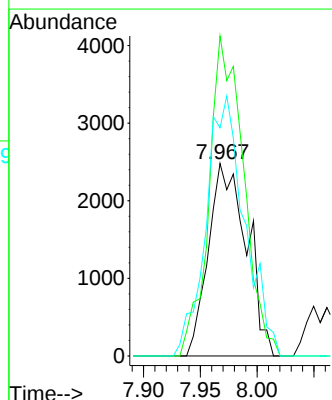
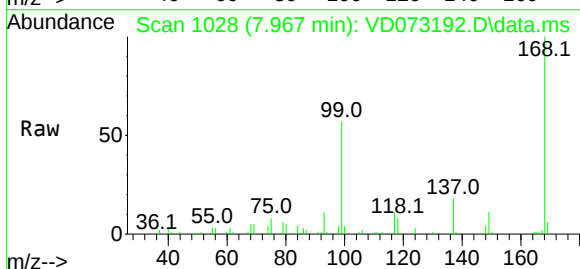
Tgt Ion: 56 Resp: 5804

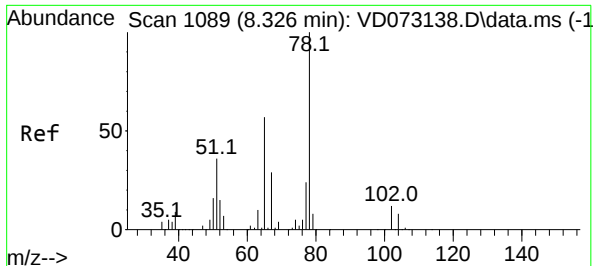
Ion Ratio Lower Upper

56 100

69 166.3 25.4 38.2#

84 118.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 62.968 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073192.D

Acq: 20 May 2022 19:22

Instrument :

MSVOA_D

ClientSampleId :

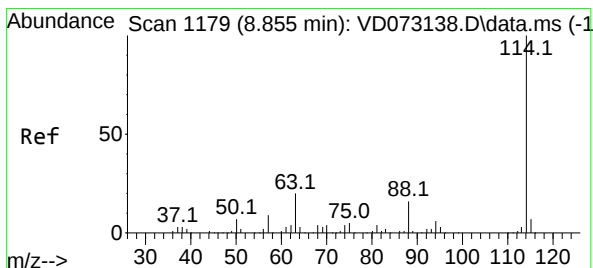
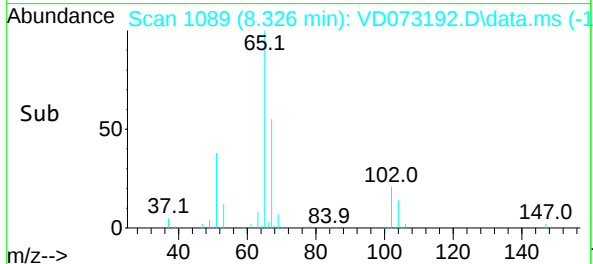
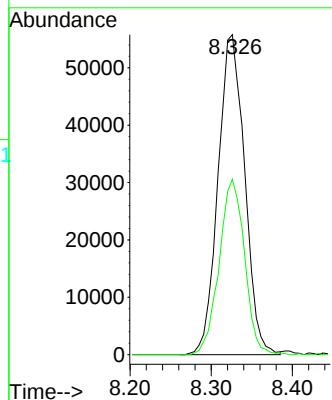
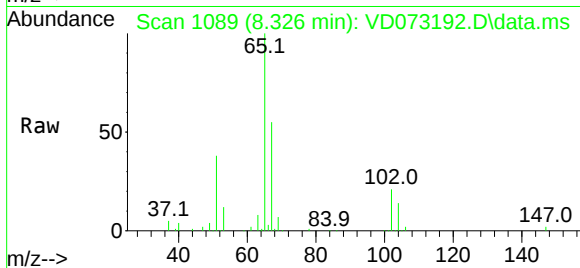
SP-1

Tgt Ion: 65 Resp: 127096

Ion Ratio Lower Upper

65 100

67 52.3 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: VD073192.D

Acq: 20 May 2022 19:22

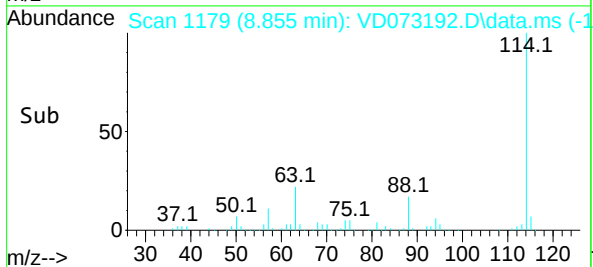
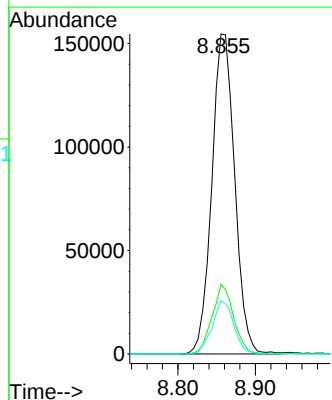
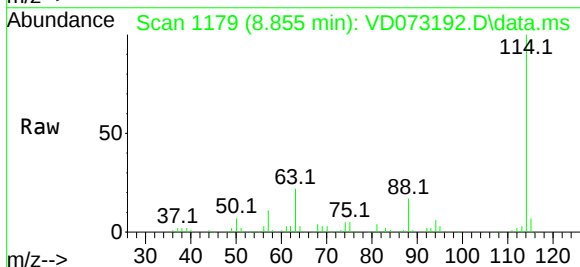
Tgt Ion: 114 Resp: 317787

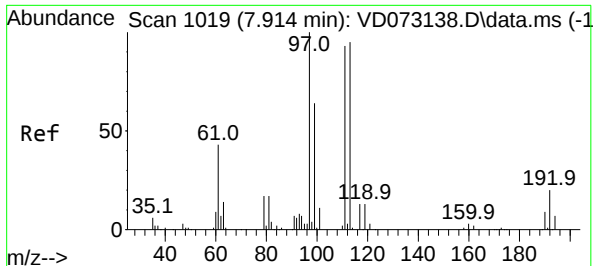
Ion Ratio Lower Upper

114 100

63 21.7 0.0 46.6

88 16.7 0.0 33.2

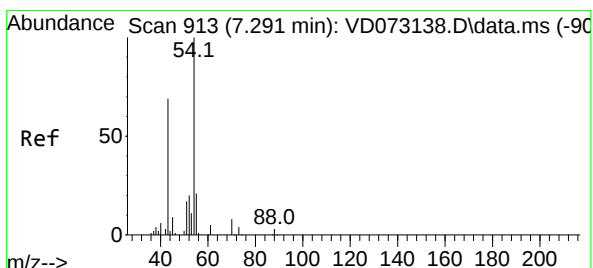
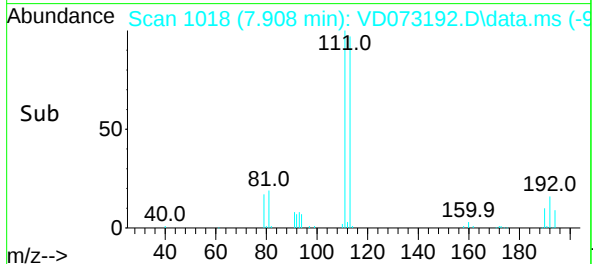
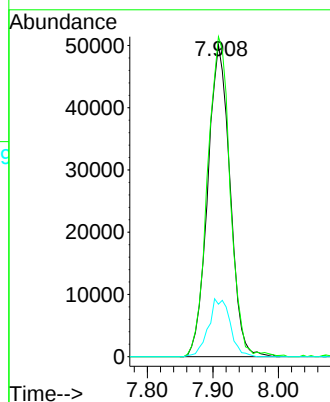
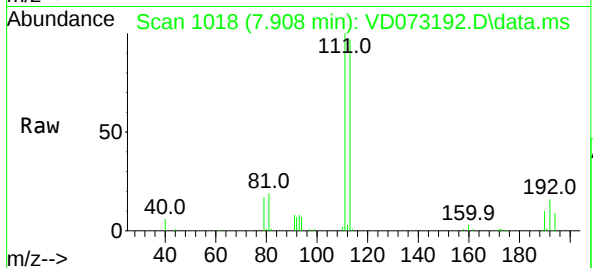




#35
Dibromofluoromethane
Concen: 56.313 ug/l
RT: 7.908 min Scan# 113
Delta R.T. -0.006 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

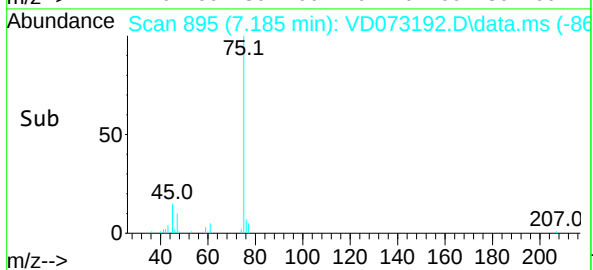
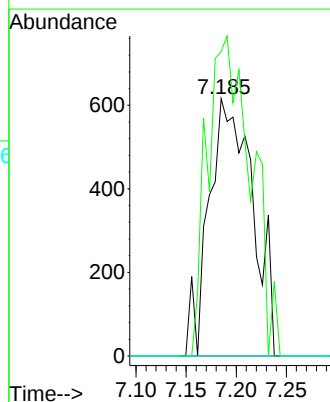
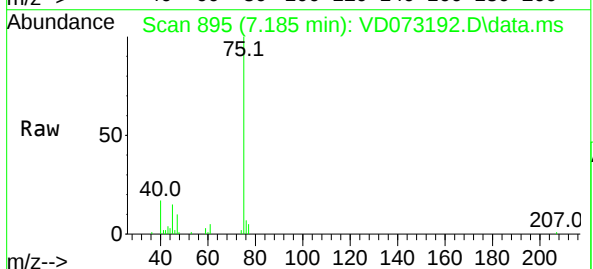
Instrument :
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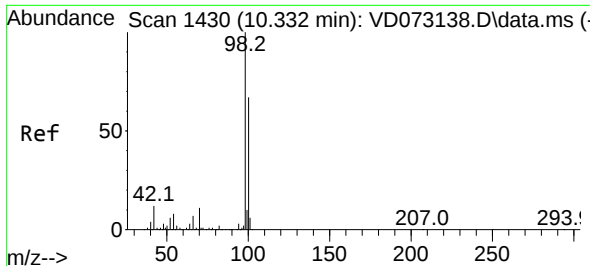
Tgt Ion:113 Resp: 118086
Ion Ratio Lower Upper
113 100
111 104.2 83.8 125.6
192 18.2 14.6 21.8



#37
Ethyl Acetate
Concen: 1.496 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.106 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

Tgt Ion: 43 Resp: 1863
Ion Ratio Lower Upper
43 100
61 125.4 9.8 14.8#
70 0.0 6.9 10.3#

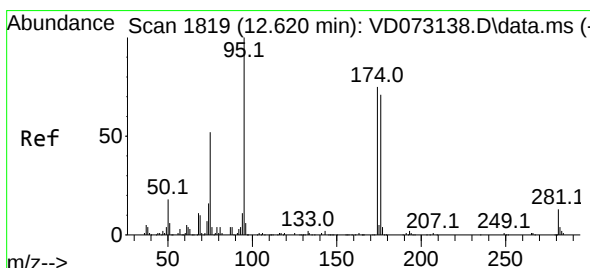
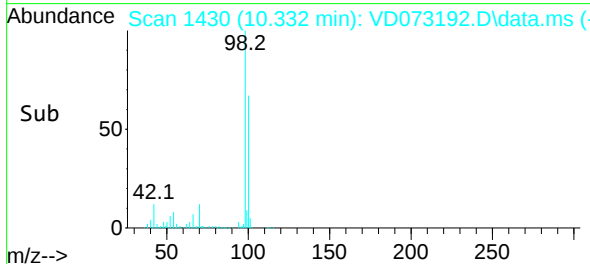
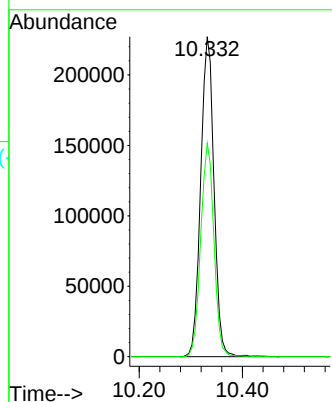
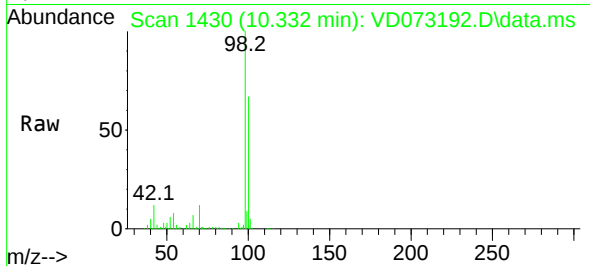




#50
Toluene-d8
Concen: 52.419 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

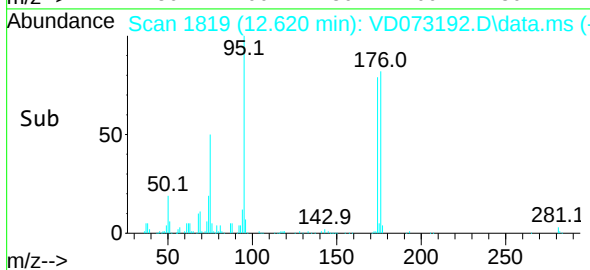
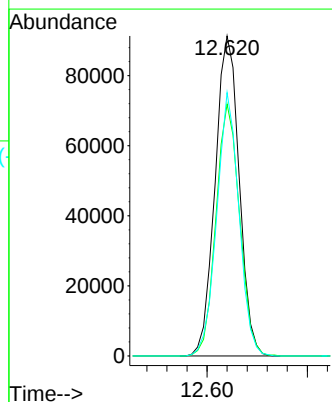
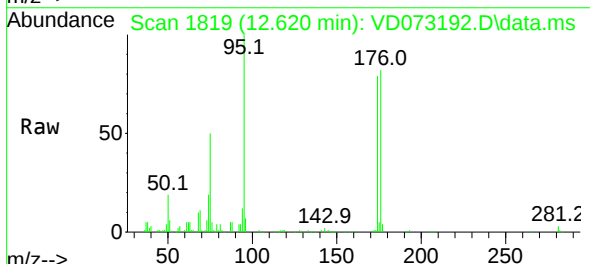
Instrument :
MSVOA_D
ClientSampleId :
SP-1

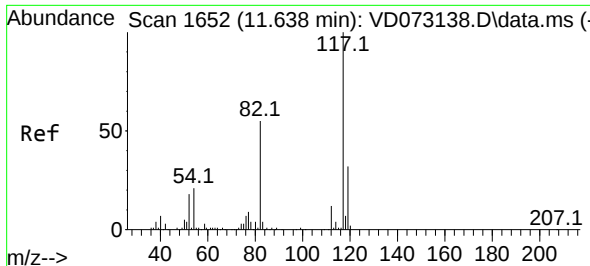
Tgt Ion: 98 Resp: 405193
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 56.006 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

Tgt Ion: 95 Resp: 151931
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.8
176 75.9 0.0 145.4

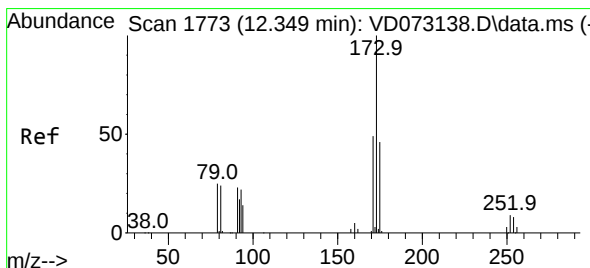
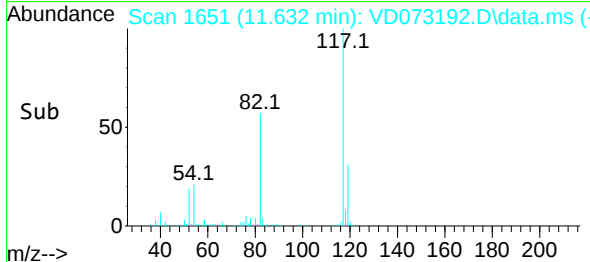
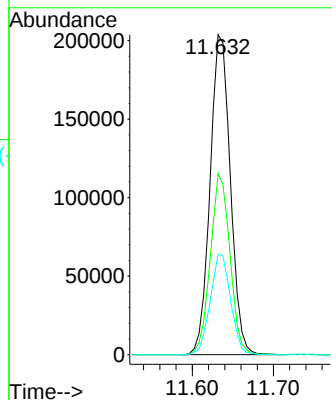
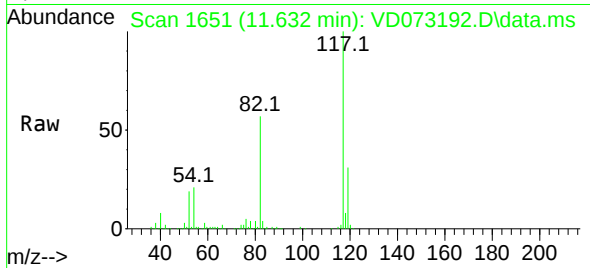




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

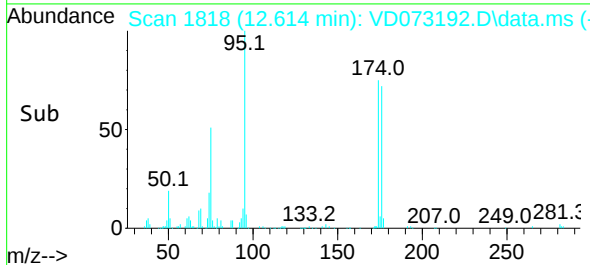
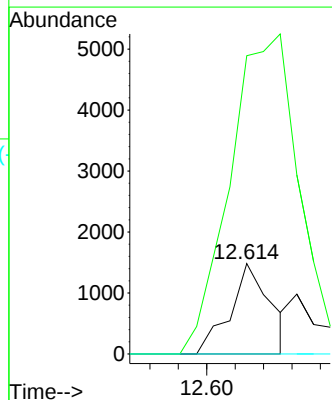
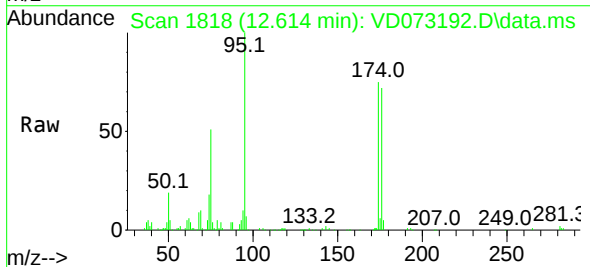
Instrument :
MSVOA_D
ClientSampleId :
SP-1

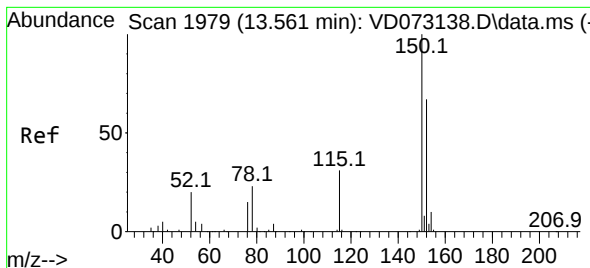
Tgt Ion:117 Resp: 353361
Ion Ratio Lower Upper
117 100
82 56.7 45.3 67.9
119 31.4 26.6 40.0



#71
Bromoform
Concen: 1.056 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

Tgt Ion:173 Resp: 1461
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073192.D

Acq: 20 May 2022 19:22

Instrument :

MSVOA_D

ClientSampleId :

SP-1

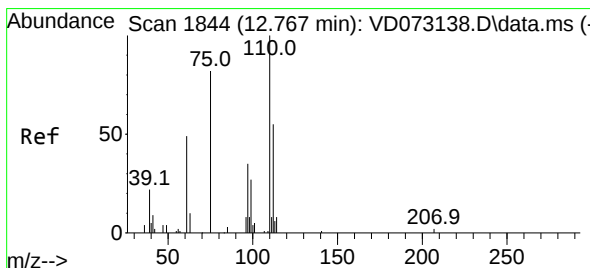
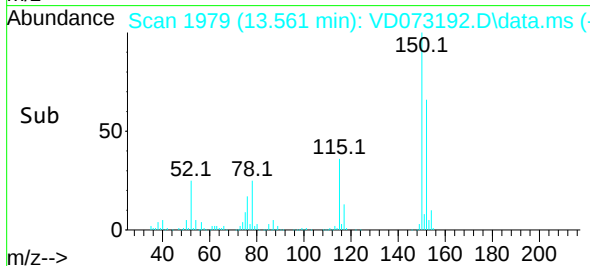
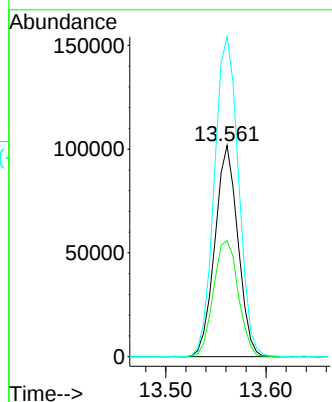
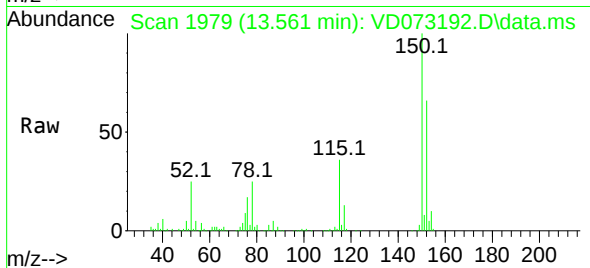
Tgt Ion:152 Resp: 162252

Ion Ratio Lower Upper

152 100

115 59.2 31.3 93.8

150 158.6 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 48.610 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073192.D

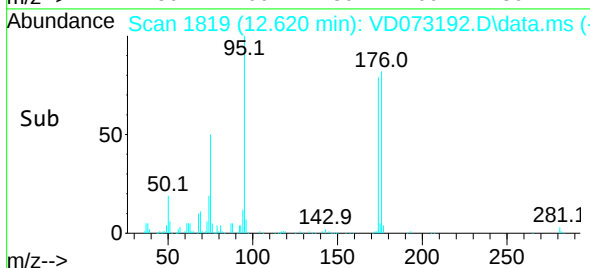
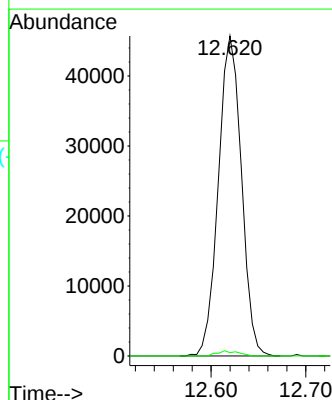
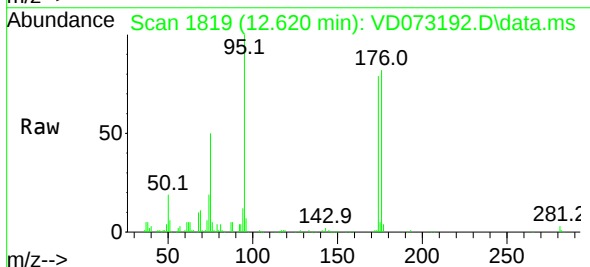
Acq: 20 May 2022 19:22

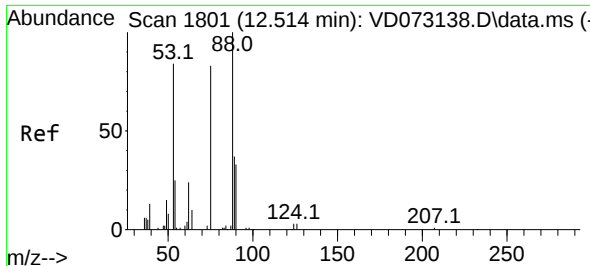
Tgt Ion: 75 Resp: 77386

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

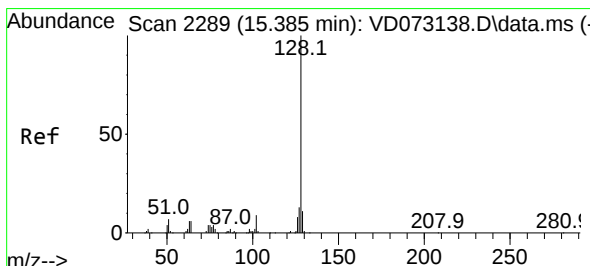
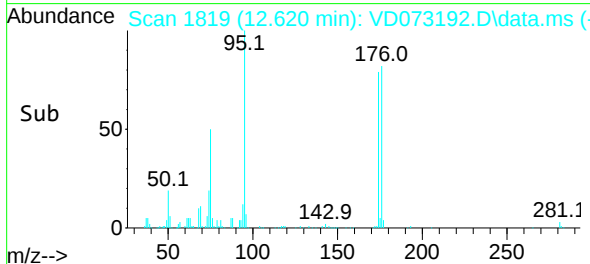
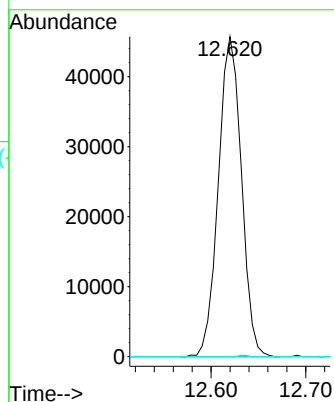
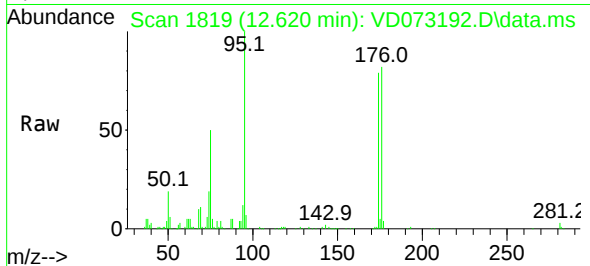




#81
trans-1,4-Dichloro-2-butene
Concen: 116.698 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

Instrument :
MSVOA_D
ClientSampleId :
SP-1

Tgt Ion: 75 Resp: 77386
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.781 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD073192.D
Acq: 20 May 2022 19:22

Tgt Ion: 128 Resp: 1370
Ion Ratio Lower Upper
128 100
127 4.1 10.3 15.5#
129 0.0 8.4 12.6#

