

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073193.D
 Acq On : 20 May 2022 19:51
 Operator : VA/SY
 Sample : N2935-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-051822

Quant Time: May 21 00:16:44 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)

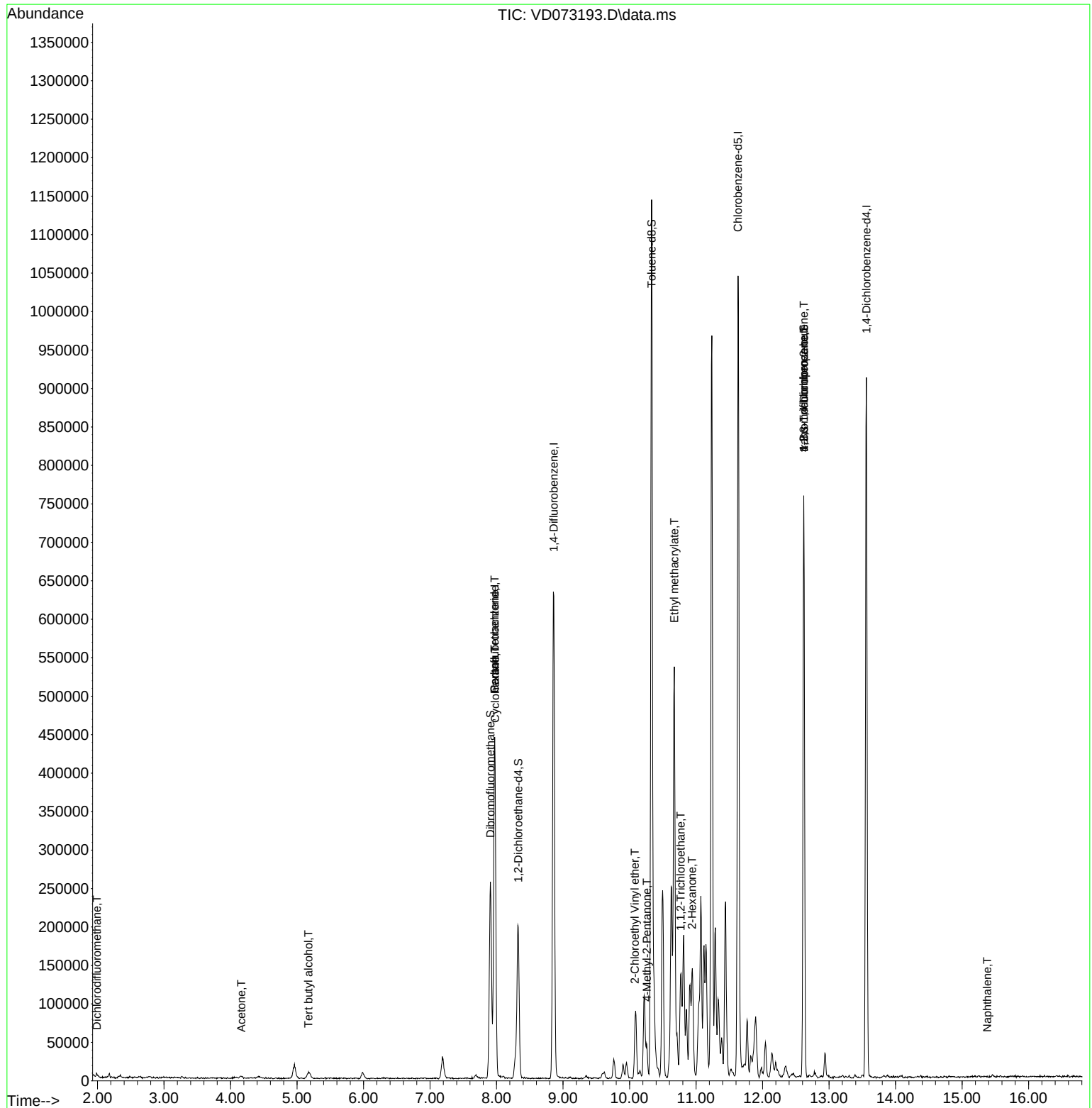
Internal Standards						
1) Pentafluorobenzene	7.973	168	317778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	548812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	594076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	243936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159581	45.440	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.880%
35) Dibromofluoromethane	7.908	113	184646	50.987	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.980%
50) Toluene-d8	10.332	98	736538	55.174	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.340%
62) 4-Bromofluorobenzene	12.620	95	249796	53.320	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.640%
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.991	85	3956	1.246	ug/l	92
5) Bromomethane	2.779	94	1194	Below Cal	#	69
11) Tert butyl alcohol	5.173	59	7593	13.935	ug/l #	74
16) Acetone	4.162	43	6240	10.258	ug/l #	88
20) Methylene Chloride	4.962	84	12882	Below Cal	#	82
31) Cyclohexane	7.979	56	8425	1.373	ug/l #	29
38) Carbon Tetrachloride	7.973	117	32905	5.960	ug/l #	15
51) 4-Methyl-2-Pentanone	10.261	43	4182	2.025	ug/l	92
55) 1,1,2-Trichloroethane	10.767	97	42893	14.610	ug/l #	25
56) Ethyl methacrylate	10.673	69	52212	15.995	ug/l #	30
58) 2-Chloroethyl Vinyl ether	10.079	63	126	21.695	ug/l #	48
59) 2-Hexanone	10.938	43	52693	38.698	ug/l #	36
76) 1,2,3-Trichloropropane	12.620	75	125994	52.642	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	125994	126.376	ug/l #	7
95) Naphthalene	15.379	128	857	3.641	ug/l #	70

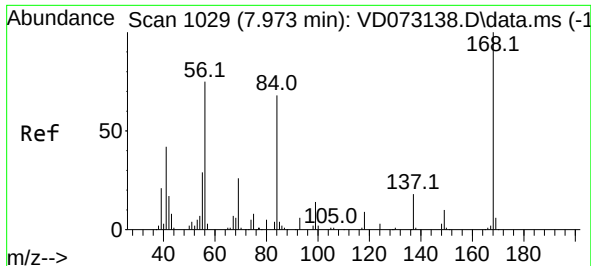
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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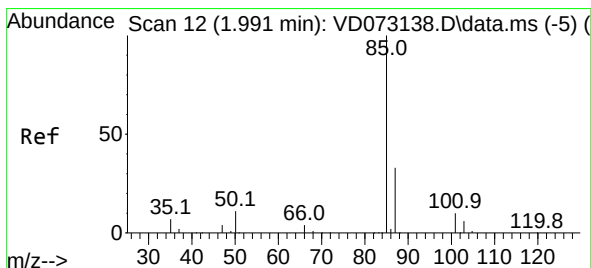
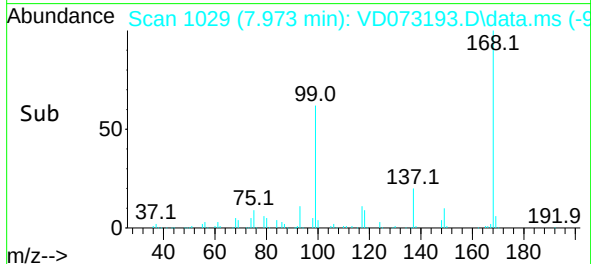
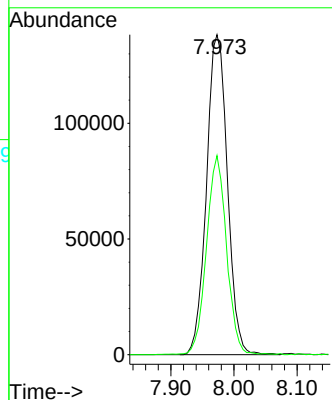
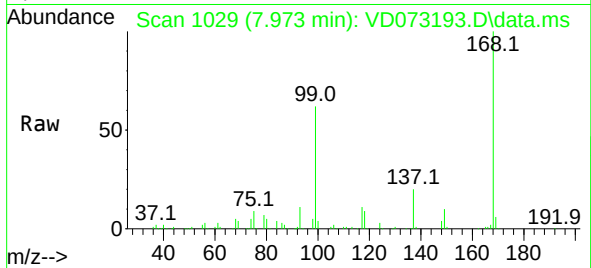




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

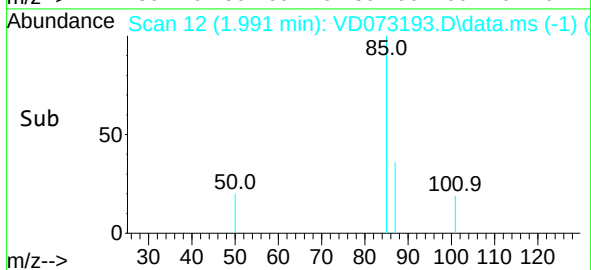
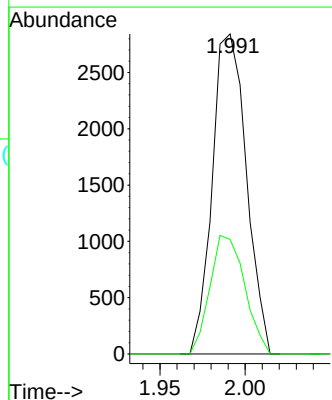
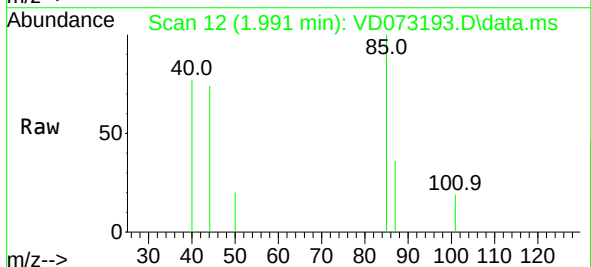
Instrument :
MSVOA_D
ClientSampleId :
OK-03-051822

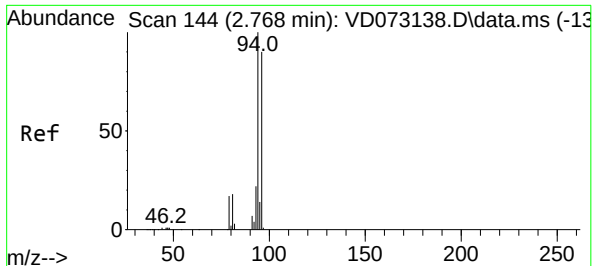
Tgt Ion:168 Resp: 317778
Ion Ratio Lower Upper
168 100
99 61.9 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.246 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

Tgt Ion: 85 Resp: 3956
Ion Ratio Lower Upper
85 100
87 35.8 15.7 47.0

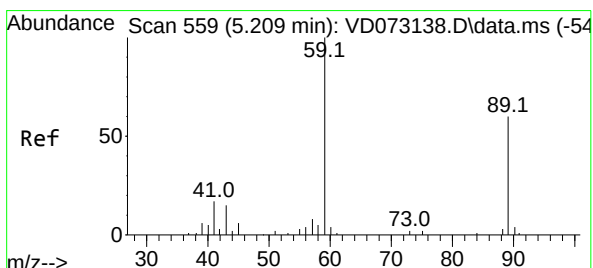
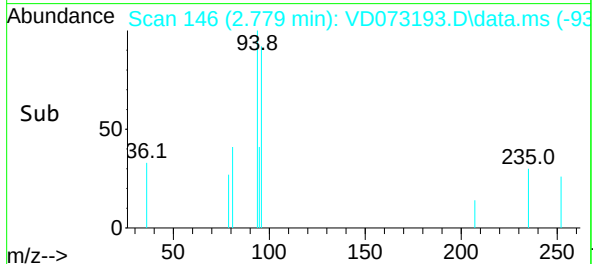
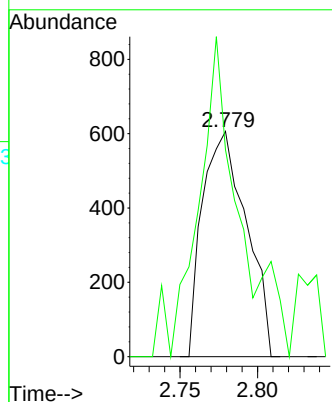
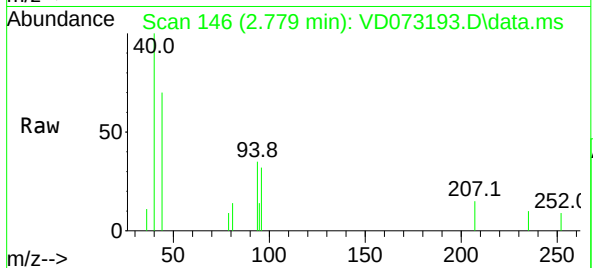




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 144
Delta R.T. 0.011 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

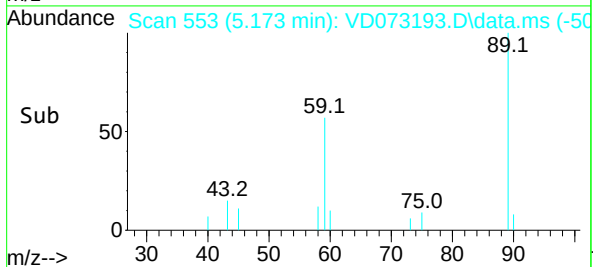
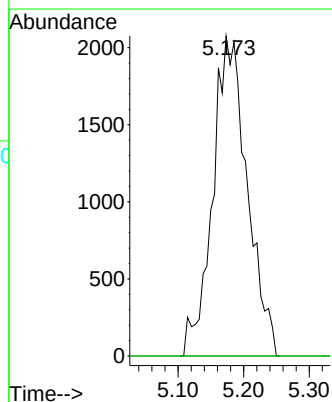
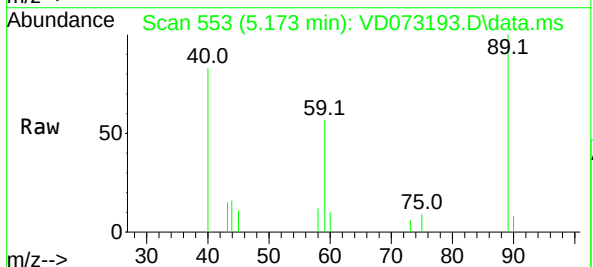
Instrument :
MSVOA_D
ClientSampleId :
OK-03-051822

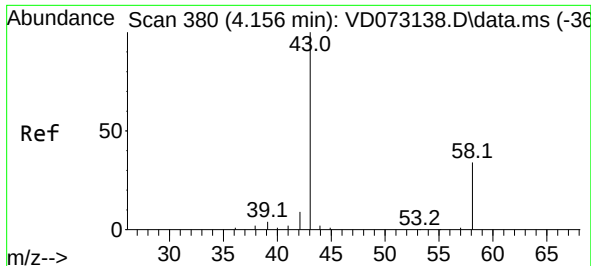
Tgt Ion: 94 Resp: 1194
Ion Ratio Lower Upper
94 100
96 66.8 77.6 116.4#



#11
Tert butyl alcohol
Concen: 13.935 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.036 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

Tgt Ion: 59 Resp: 7593
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

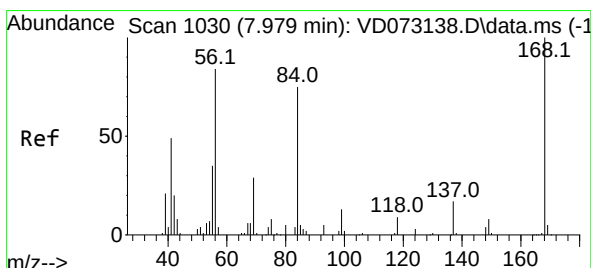
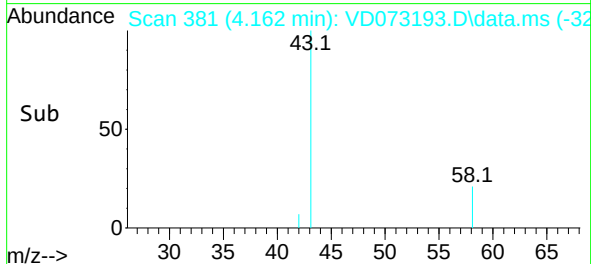
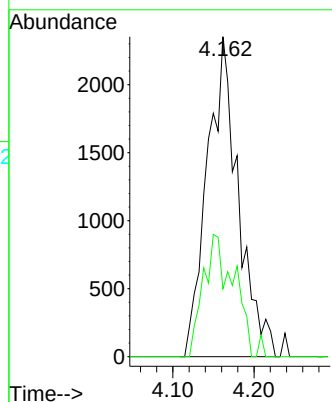
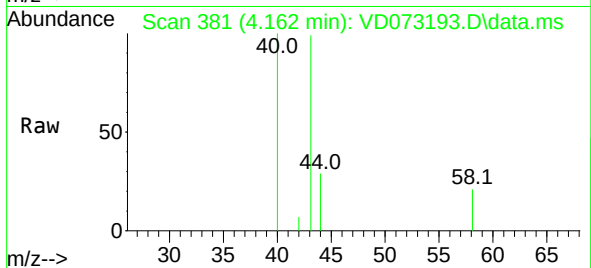




#16
Acetone
Concen: 10.258 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

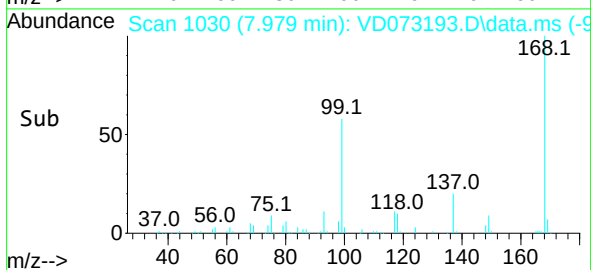
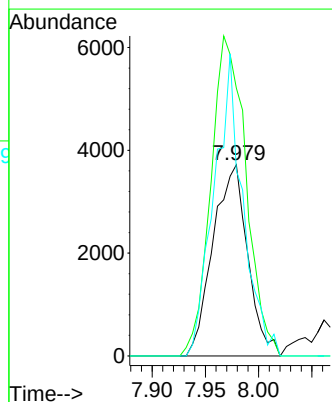
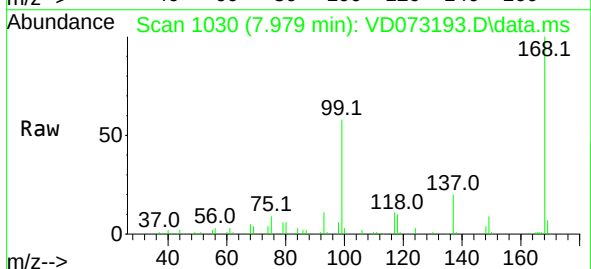
Instrument :
MSVOA_D
ClientSampleId :
OK-03-051822

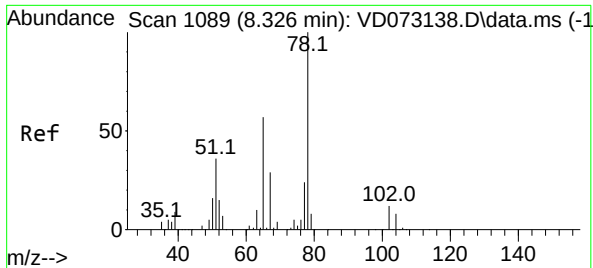
Tgt Ion: 43 Resp: 6240
Ion Ratio Lower Upper
43 100
58 21.2 22.1 33.1#



#31
Cyclohexane
Concen: 1.373 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

Tgt Ion: 56 Resp: 8425
Ion Ratio Lower Upper
56 100
69 140.2 25.4 38.2#
84 97.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.440 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073193.D

Acq: 20 May 2022 19:51

Instrument :

MSVOA_D

ClientSampleId :

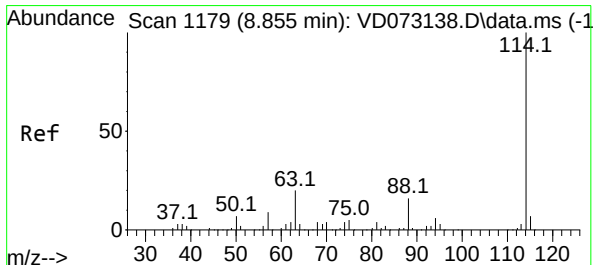
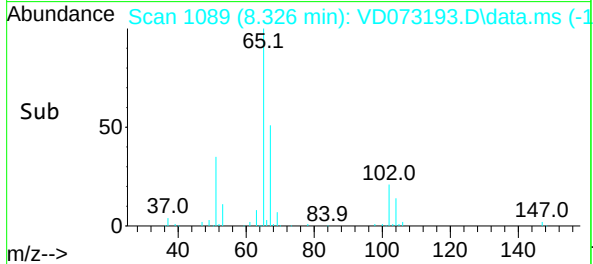
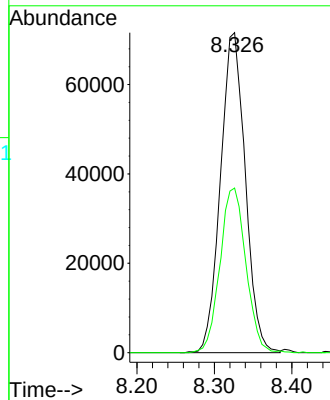
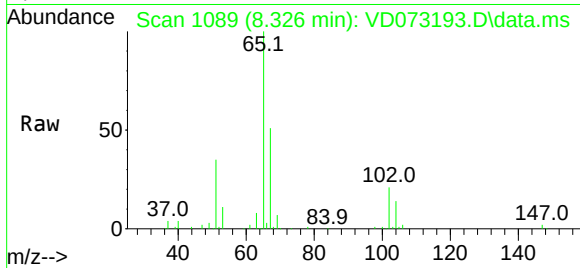
OK-03-051822

Tgt Ion: 65 Resp: 159581

Ion Ratio Lower Upper

65 100

67 53.7 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: VD073193.D

Acq: 20 May 2022 19:51

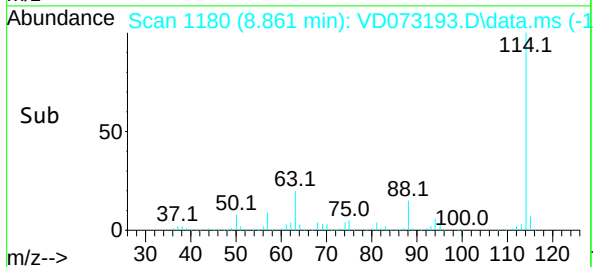
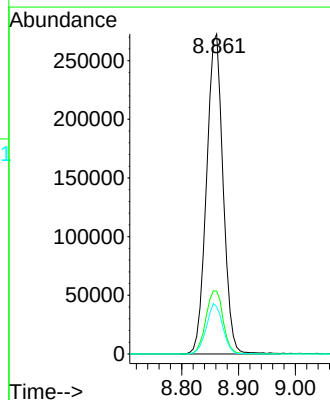
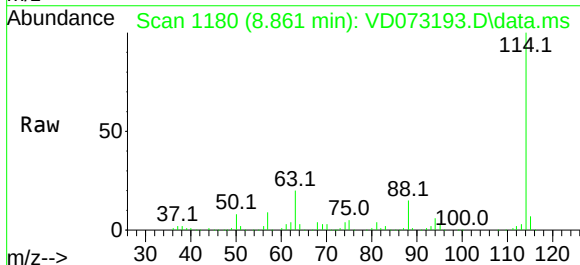
Tgt Ion: 114 Resp: 548812

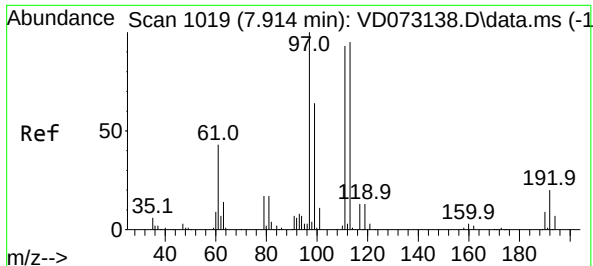
Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 14.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.987 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073193.D

Acq: 20 May 2022 19:51

Instrument :

MSVOA_D

ClientSampleId :

OK-03-051822

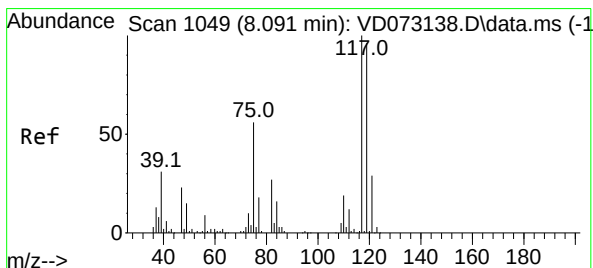
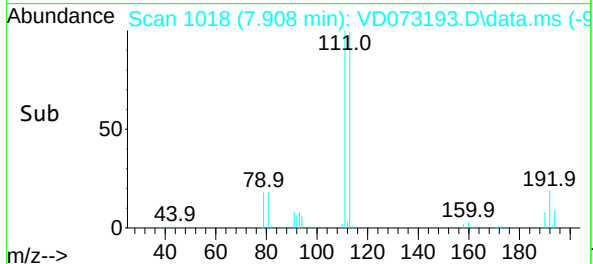
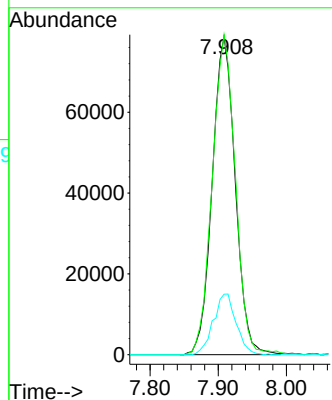
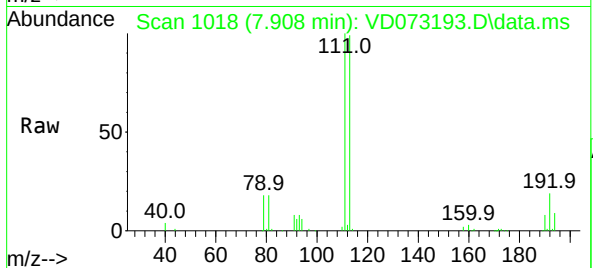
Tgt Ion:113 Resp: 184646

Ion Ratio Lower Upper

113 100

111 101.3 83.8 125.6

192 18.9 14.6 21.8



#38

Carbon Tetrachloride

Concen: 5.960 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073193.D

Acq: 20 May 2022 19:51

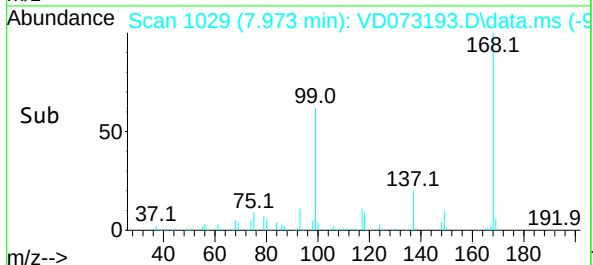
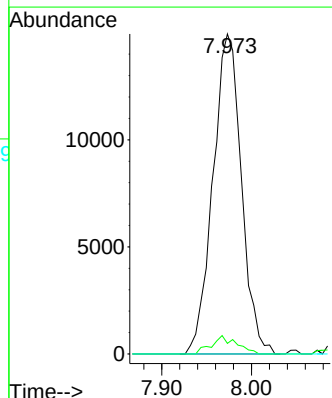
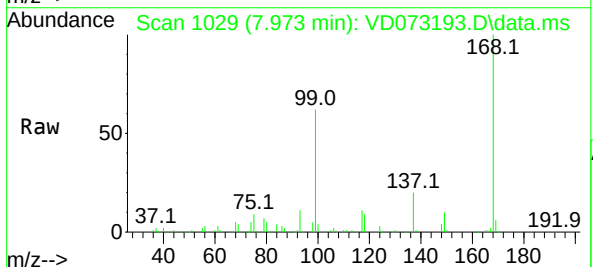
Tgt Ion:117 Resp: 32905

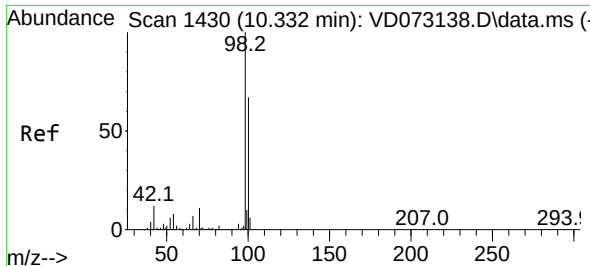
Ion Ratio Lower Upper

117 100

119 3.3 75.8 113.6#

121 0.0 24.5 36.7#

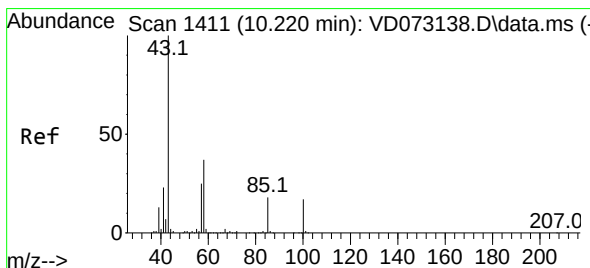
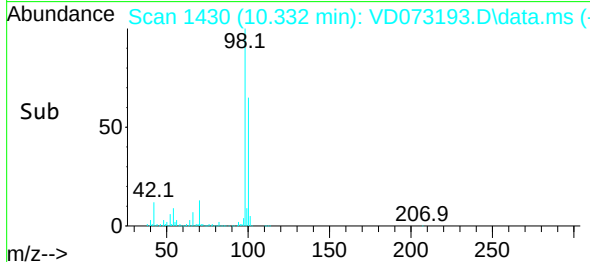
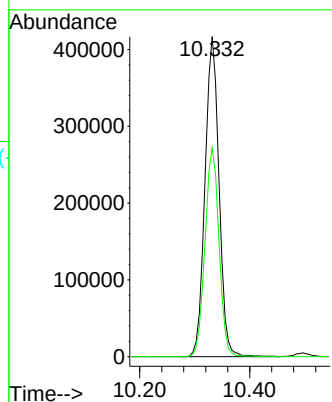
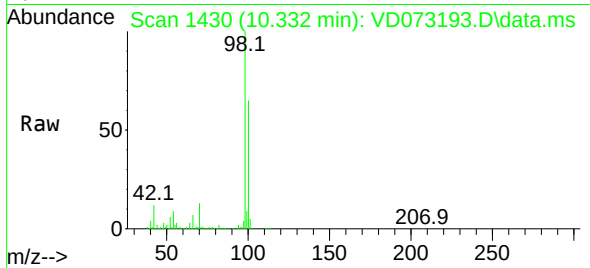




#50
Toluene-d8
Concen: 55.174 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

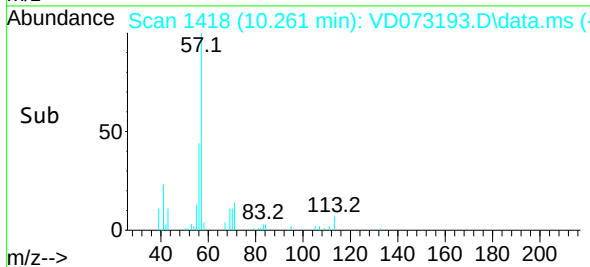
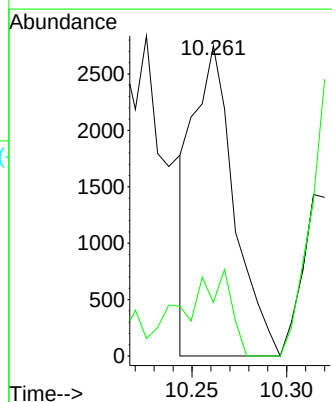
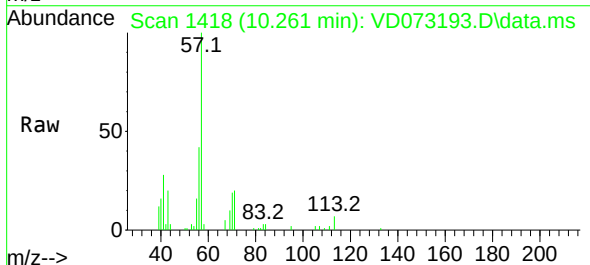
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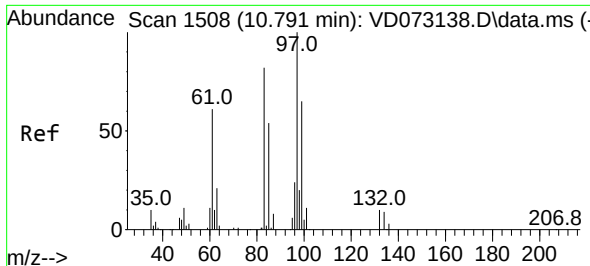
Tgt Ion: 98 Resp: 736538
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.025 ug/l
RT: 10.261 min Scan# 1418
Delta R.T. 0.041 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

Tgt Ion: 43 Resp: 4182
Ion Ratio Lower Upper
43 100
58 31.2 28.6 43.0

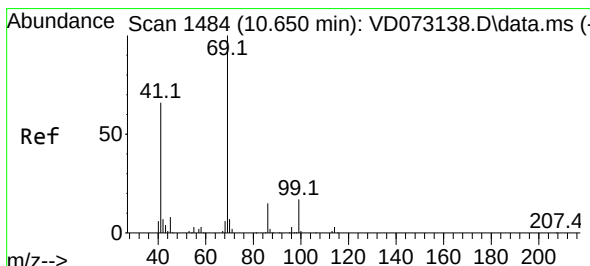
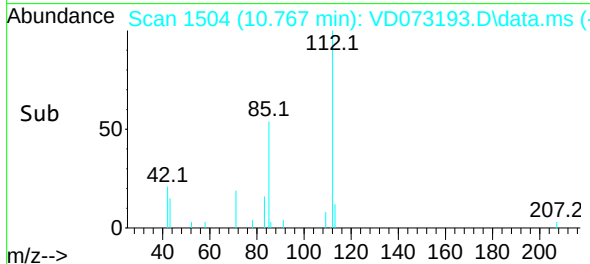
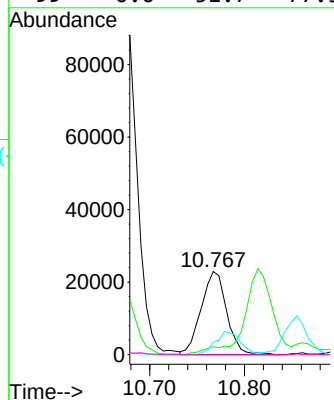
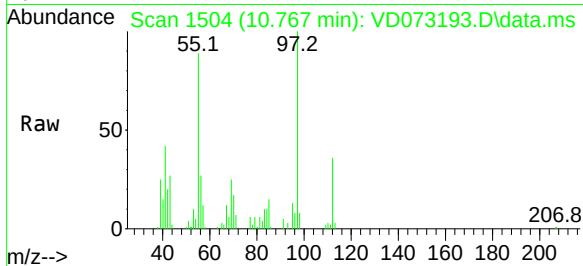




#55
1,1,2-Trichloroethane
Concen: 14.610 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.024 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

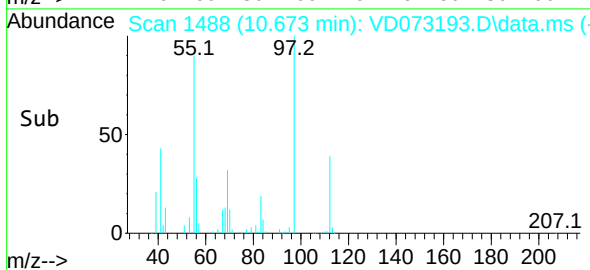
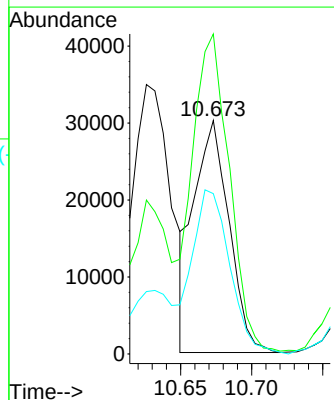
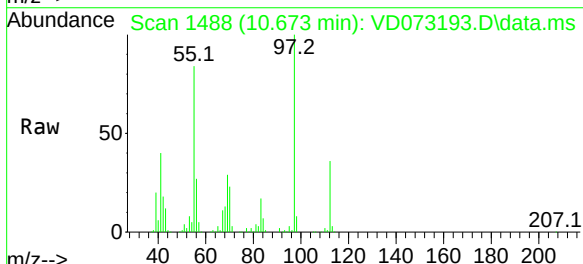
Instrument :
MSVOA_D
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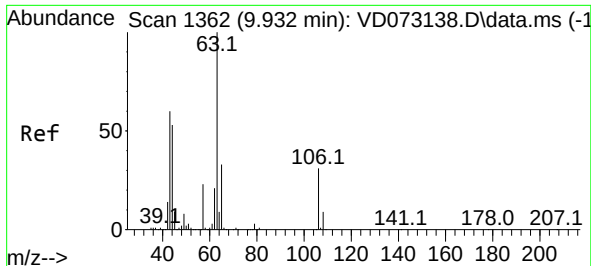
Tgt Ion: 97 Resp: 42893
Ion Ratio Lower Upper
97 100
83 8.8 69.0 103.4#
85 15.3 42.6 63.8#
99 0.0 51.7 77.5#



#56
Ethyl methacrylate
Concen: 15.995 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.023 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

Tgt Ion: 69 Resp: 52212
Ion Ratio Lower Upper
69 100
41 146.9 63.0 94.6#
39 78.0 33.8 50.8#

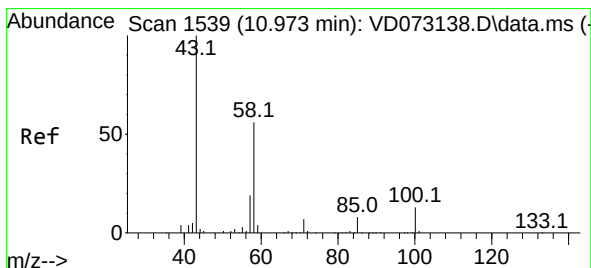
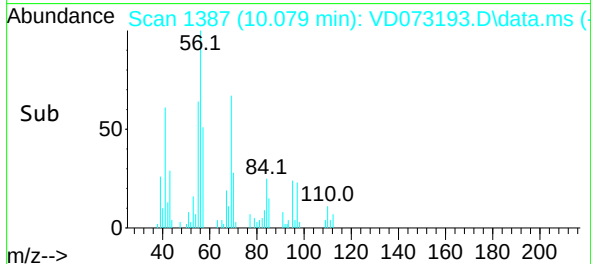
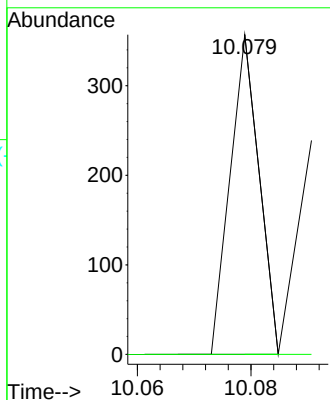
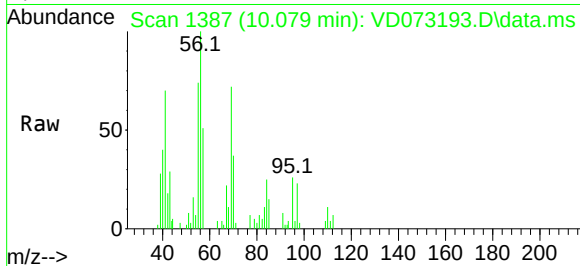




#58
2-Chloroethyl Vinyl ether
Concen: 21.695 ug/l
RT: 10.079 min Scan# 11
Delta R.T. 0.147 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

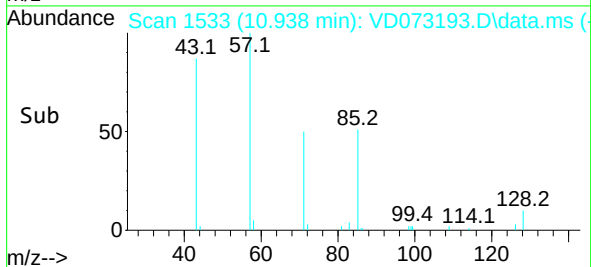
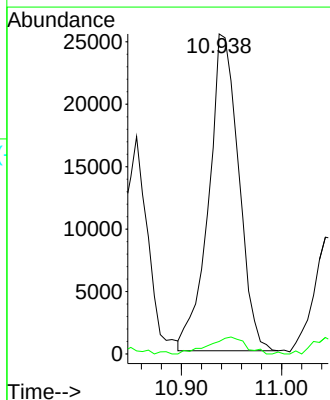
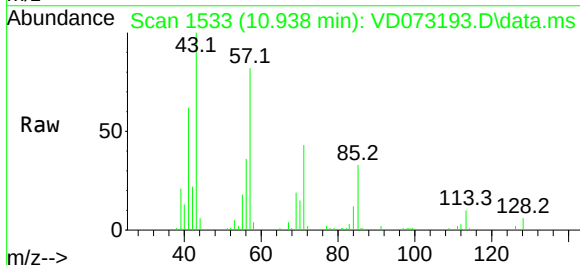
Instrument :
MSVOA_D
ClientSampleId :
OK-03-051822

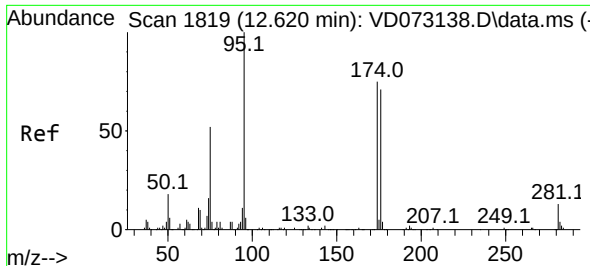
Tgt Ion: 63 Resp: 126
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#



#59
2-Hexanone
Concen: 38.698 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.035 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

Tgt Ion: 43 Resp: 52693
Ion Ratio Lower Upper
43 100
58 6.5 25.3 75.9#

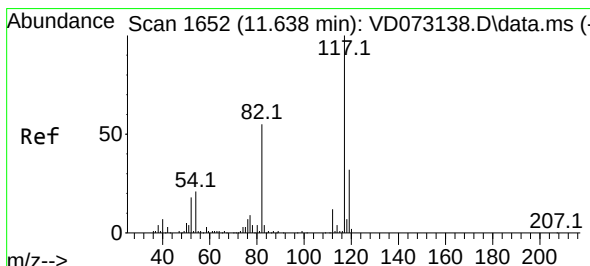
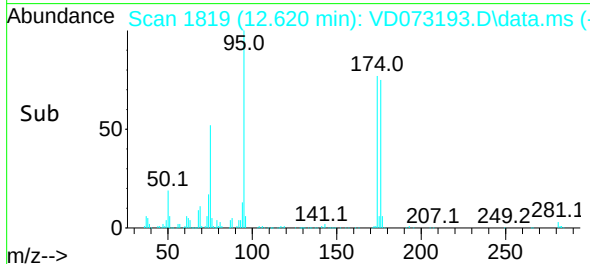
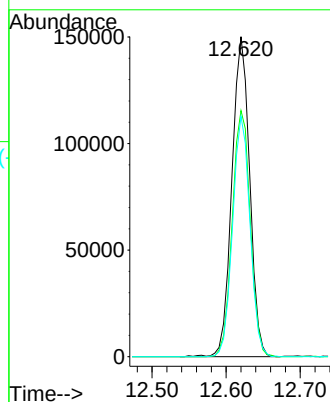
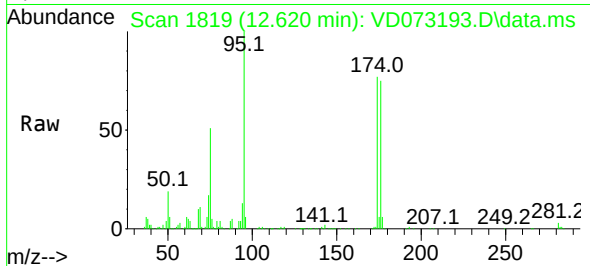




#62
4-Bromofluorobenzene
Concen: 53.320 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

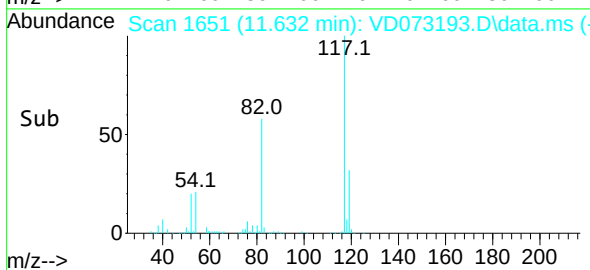
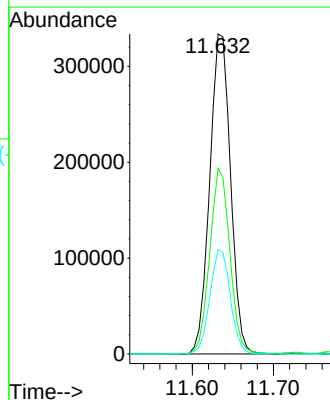
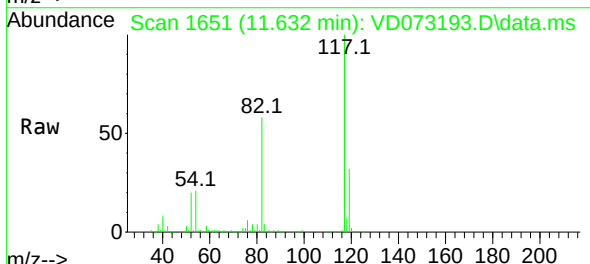
Instrument :
MSVOA_D
ClientSampleId :
OK-03-051822

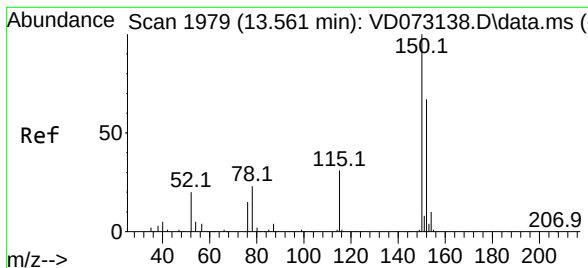
Tgt Ion: 95 Resp: 249796
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 73.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

Tgt Ion: 117 Resp: 594076
Ion Ratio Lower Upper
117 100
82 57.9 45.3 67.9
119 32.5 26.6 40.0

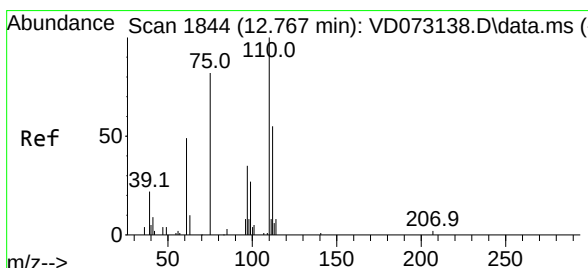
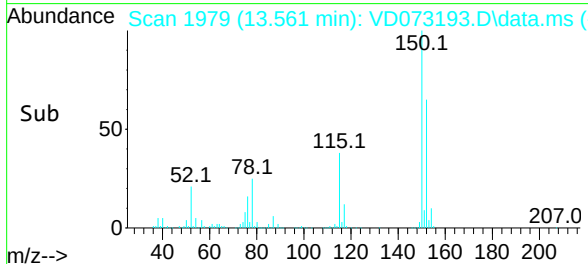
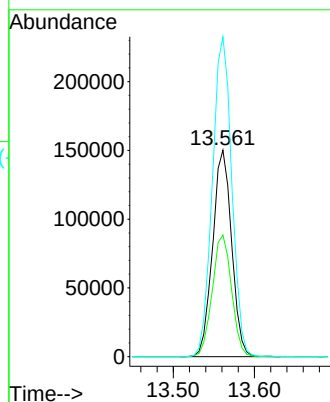
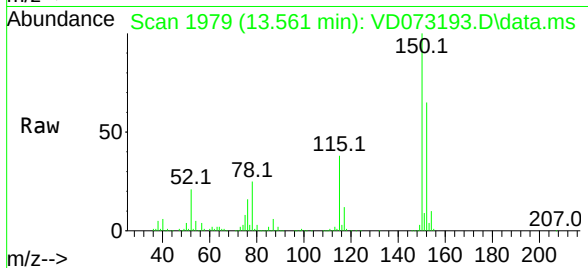




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073193.D
 Acq: 20 May 2022 19:51

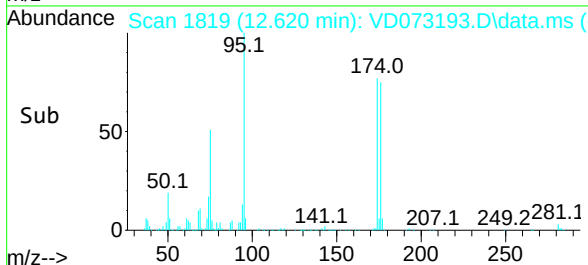
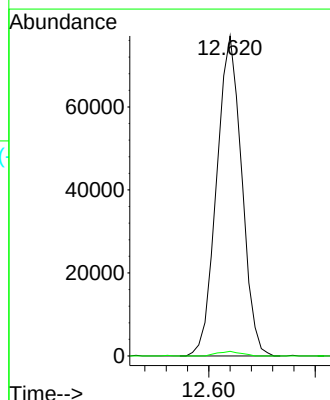
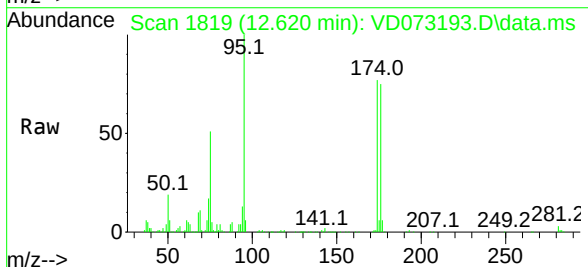
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-051822

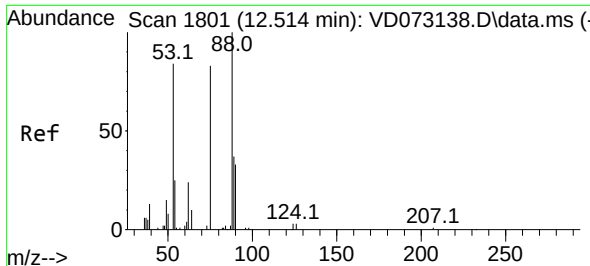
Tgt Ion:152 Resp: 243936
 Ion Ratio Lower Upper
 152 100
 115 59.8 31.3 93.8
 150 158.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 52.642 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073193.D
 Acq: 20 May 2022 19:51

Tgt Ion: 75 Resp: 125994
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

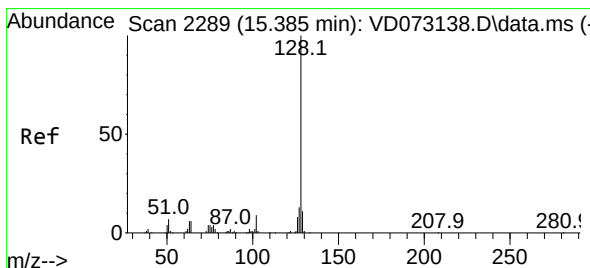
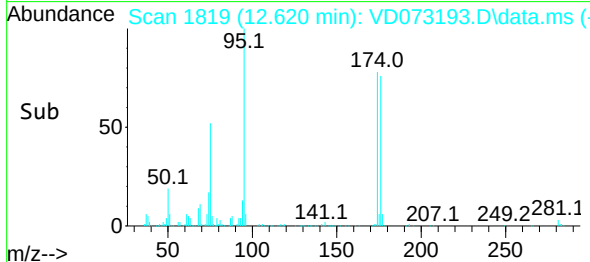
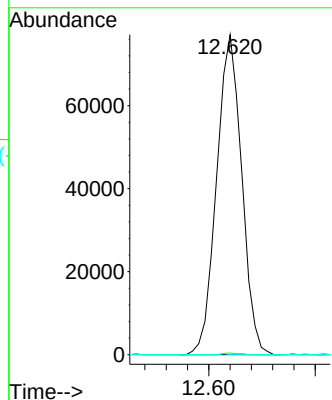
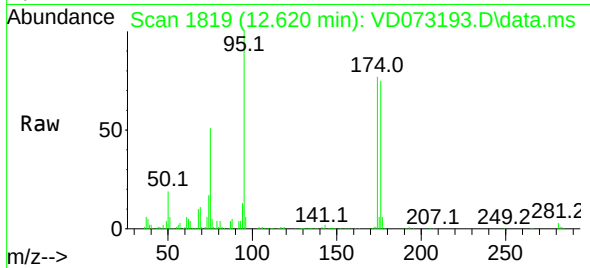




#81
trans-1,4-Dichloro-2-butene
Concen: 126.376 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

Instrument :
MSVOA_D
ClientSampleId :
OK-03-051822

Tgt Ion: 75 Resp: 125994
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 3.641 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073193.D
Acq: 20 May 2022 19:51

Tgt Ion: 128 Resp: 857
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

