

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072647.D
 Acq On : 20 Apr 2022 15:11
 Operator : VA/SY
 Sample : N2449-02
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22L091-B

Quant Time: Apr 21 01:51:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

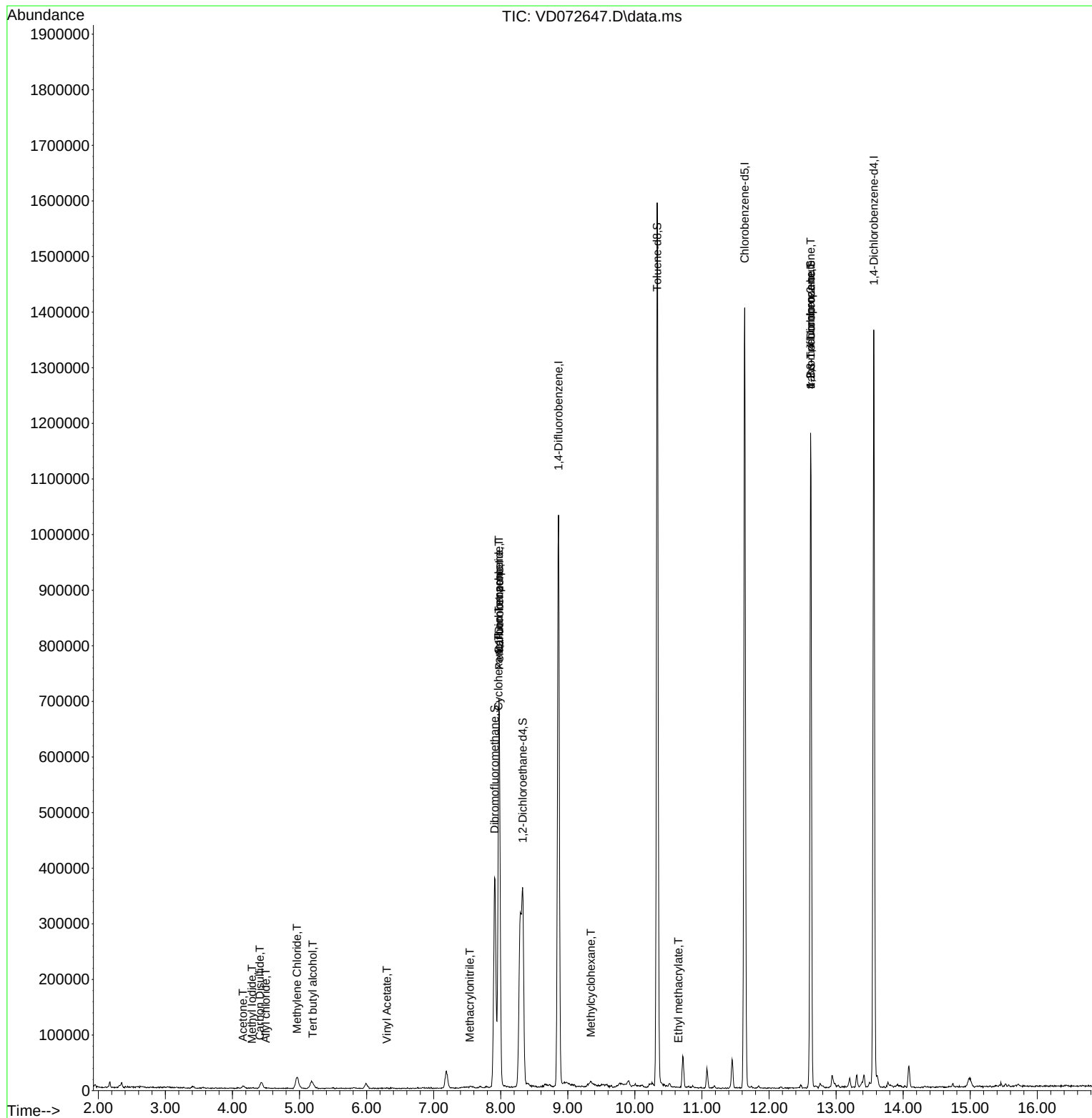
Internal Standards						
1) Pentafluorobenzene	7.979	168	502097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	891689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	822523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	359880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	256846	42.287	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.580%		
35) Dibromofluoromethane	7.909	113	280925	40.539	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.080%		
50) Toluene-d8	10.332	98	1058761	43.954	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.900%		
62) 4-Bromofluorobenzene	12.620	95	355739	37.815	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	75.620%		
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	1208	3.939	ug/l #	57
11) Tert butyl alcohol	5.197	59	13546	42.232	ug/l #	74
14) Allyl chloride	4.497	41	60	1.134	ug/l #	1
16) Acetone	4.156	43	6883	6.077	ug/l #	76
17) Carbon Disulfide	4.409	76	3268	3.936	ug/l #	74
20) Methylene Chloride	4.962	84	16484	2.445	ug/l #	79
23) Vinyl Acetate	6.303	43	334	6.322	ug/l #	75
31) Cyclohexane	7.967	56	10257	1.291	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	40529	5.598	ug/l #	52
38) Carbon Tetrachloride	7.973	117	52763	5.527	ug/l #	17
39) Methylcyclohexane	9.344	83	1175	2.984	ug/l #	62
41) Methacrylonitrile	7.538	41	158	1.729	ug/l #	1
56) Ethyl methacrylate	10.650	69	1105	1.355	ug/l #	30
76) 1,2,3-Trichloropropane	12.620	75	180300	45.935	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	180300	112.717	ug/l #	7

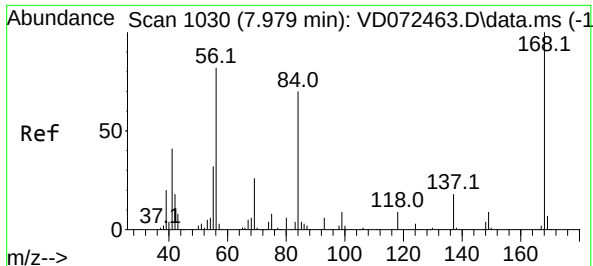
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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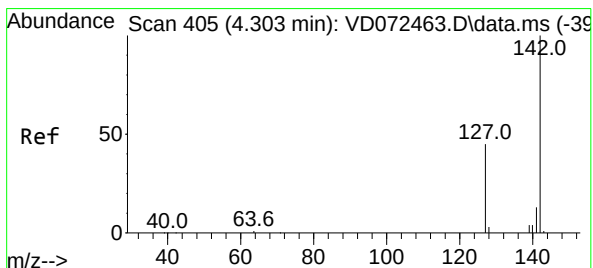
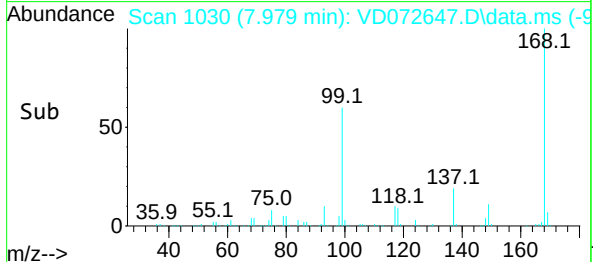
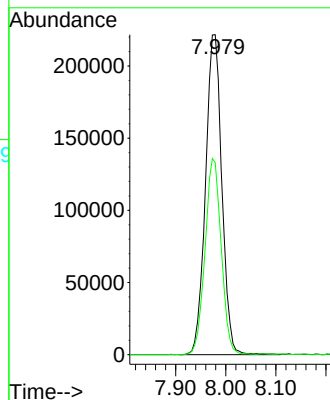
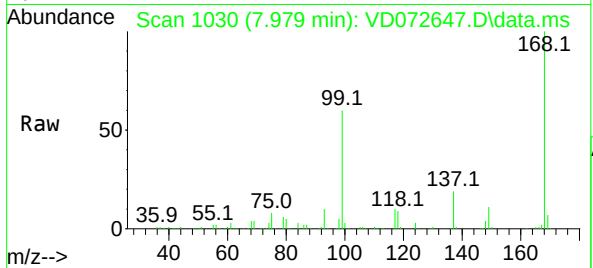




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

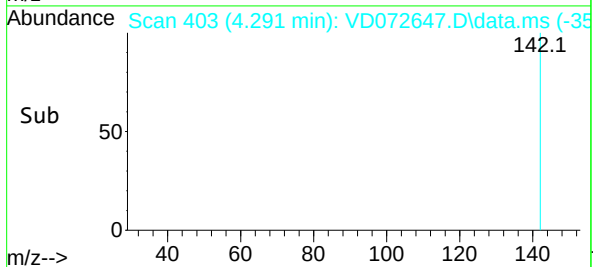
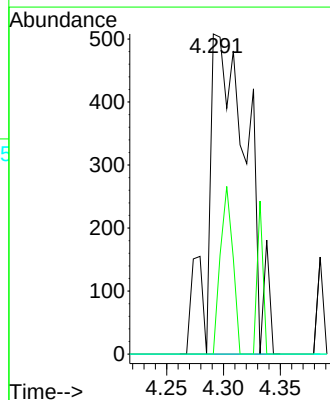
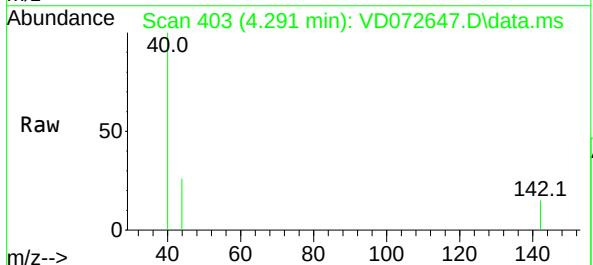
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

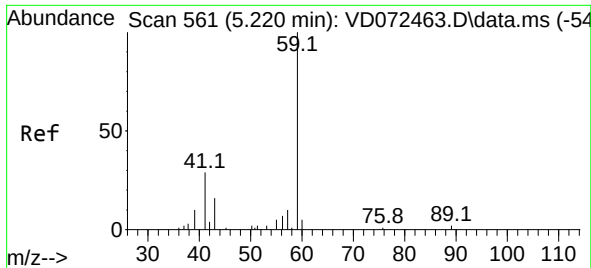
Tgt Ion:168 Resp: 502097
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#10
Methyl Iodide
Concen: 3.939 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Tgt Ion:142 Resp: 1208
Ion Ratio Lower Upper
142 100
127 16.8 37.3 55.9#
141 0.0 11.7 17.5#

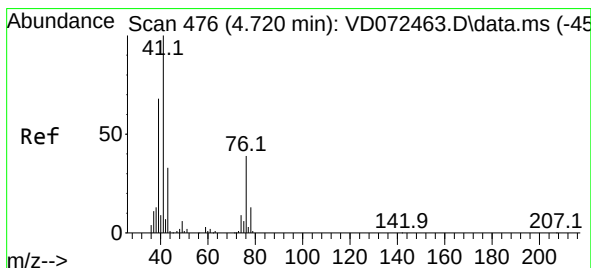
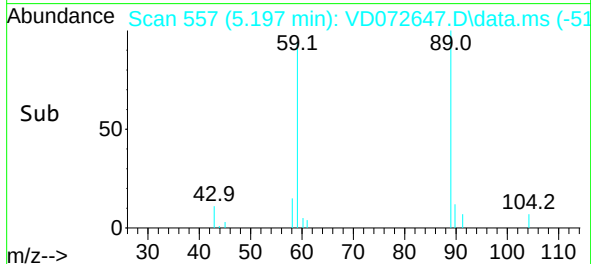
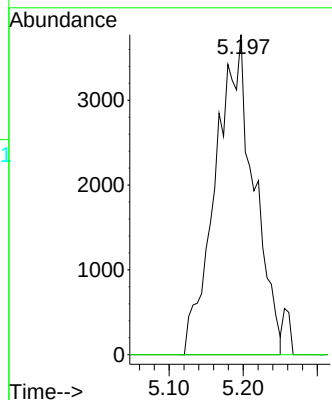
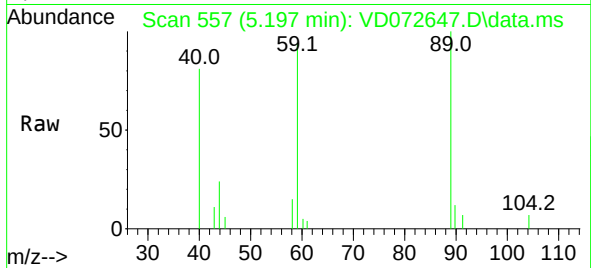




#11
Tert butyl alcohol
Concen: 42.232 ug/l
RT: 5.197 min Scan# 51
Delta R.T. -0.023 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

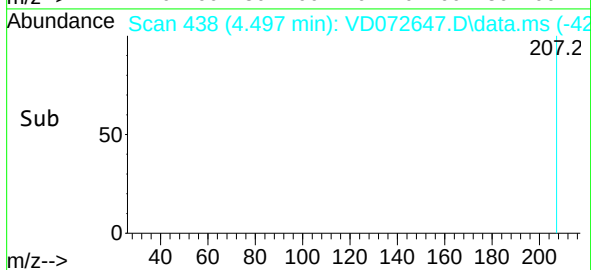
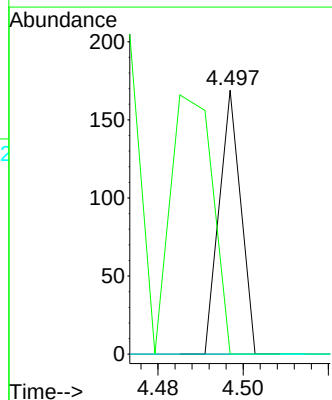
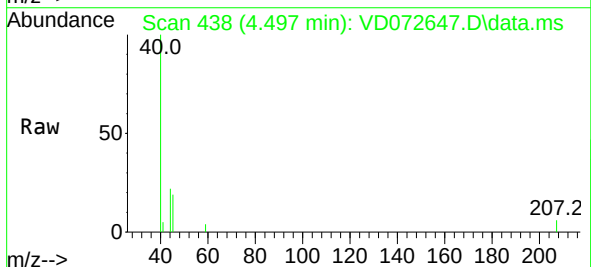
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

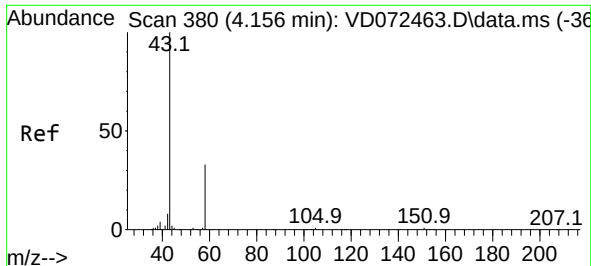
Tgt Ion: 59 Resp: 13546
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#14
Allyl chloride
Concen: 1.134 ug/l
RT: 4.497 min Scan# 438
Delta R.T. -0.223 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
39 190.0 59.3 88.9#
76 0.0 25.7 38.5#

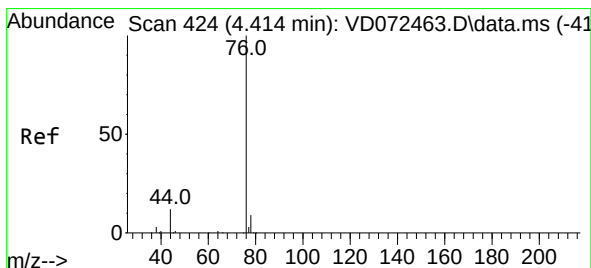
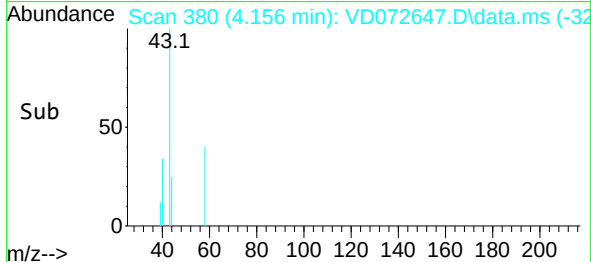
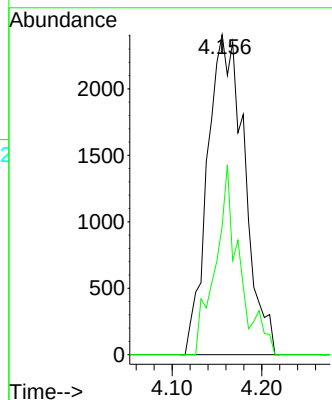
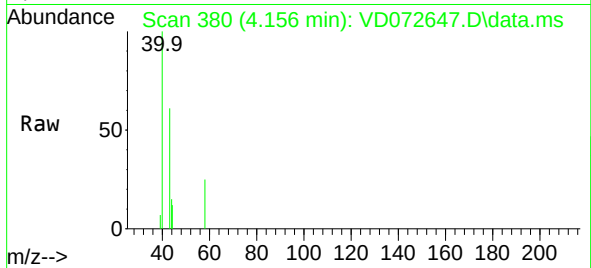




#16
Acetone
Concen: 6.077 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

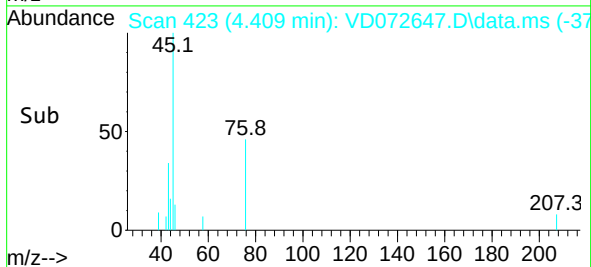
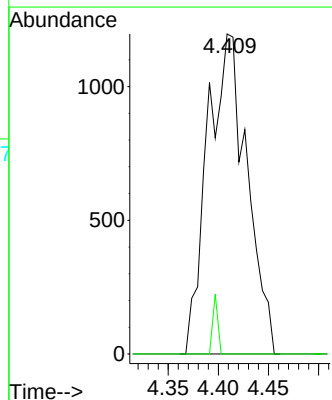
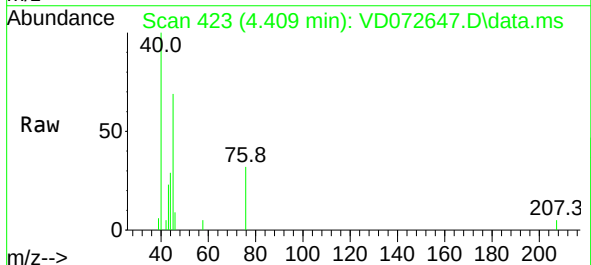
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

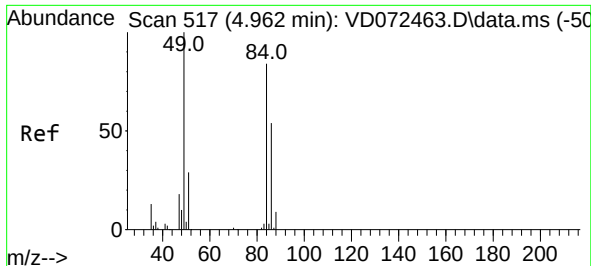
Tgt Ion: 43 Resp: 6883
Ion Ratio Lower Upper
43 100
58 40.1 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.936 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

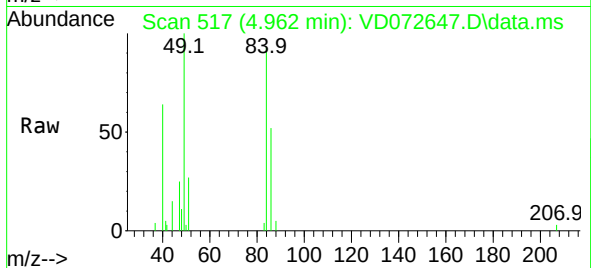
Tgt Ion: 76 Resp: 3268
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



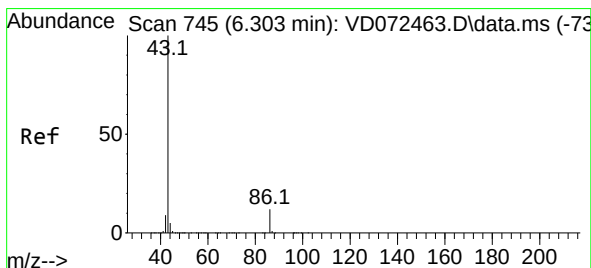
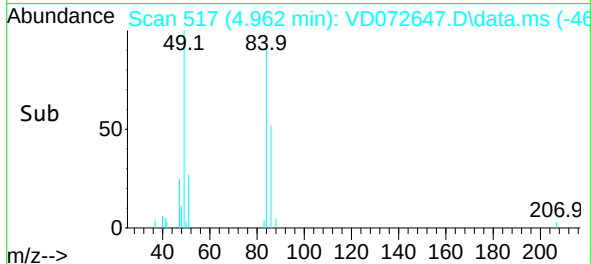
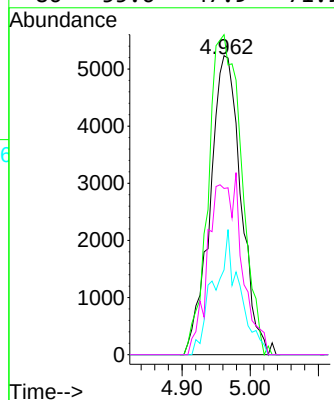


#20
Methylene Chloride
Concen: 2.445 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Instrument :
MSVOA_D
ClientSampleId :
22L091-B

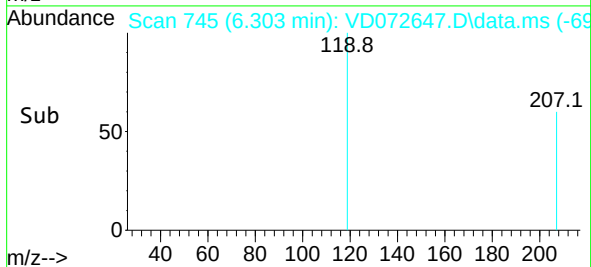
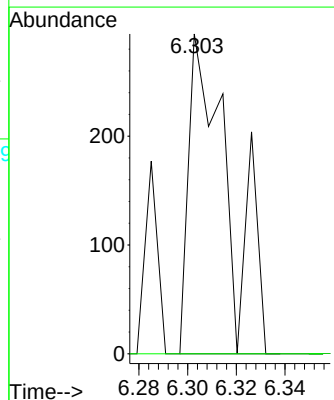
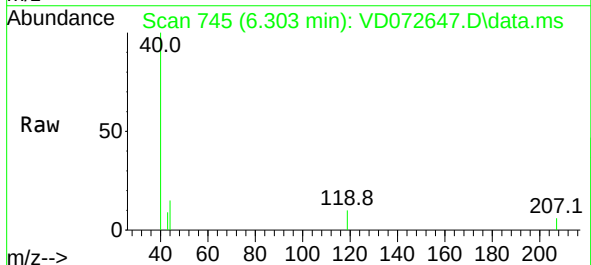


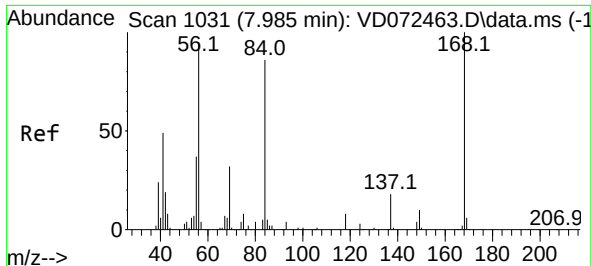
Tgt Ion: 84 Resp: 16484
Ion Ratio Lower Upper
84 100
49 107.0 112.8 169.2#
51 28.4 32.6 48.8#
86 55.6 47.9 71.9



#23
Vinyl Acetate
Concen: 6.322 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

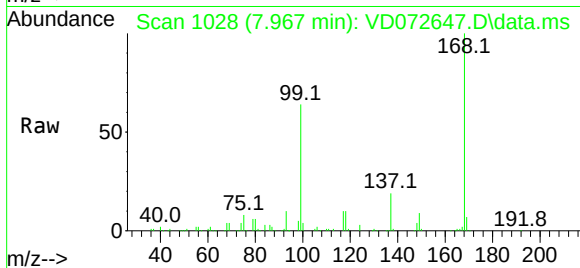
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#



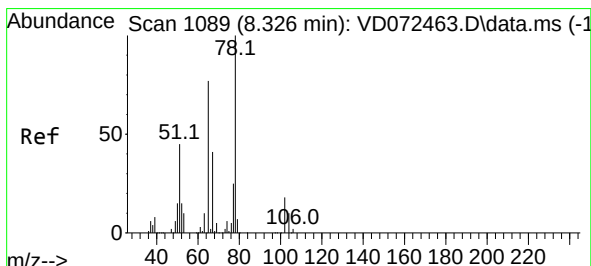
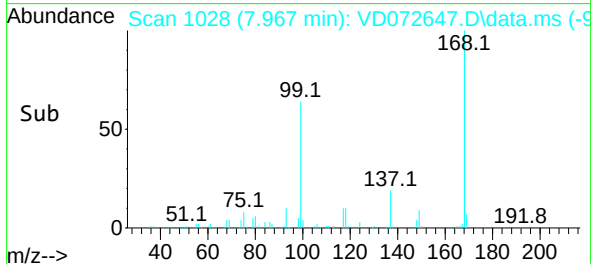
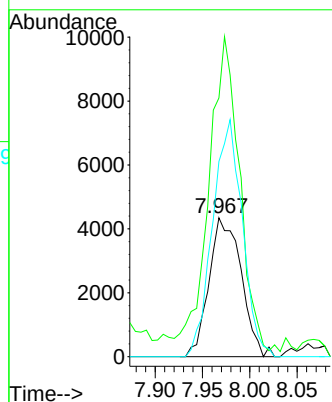


#31
Cyclohexane
Concen: 1.291 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Instrument :
MSVOA_D
ClientSampleId :
22L091-B

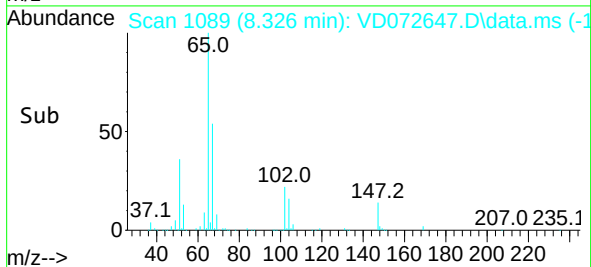
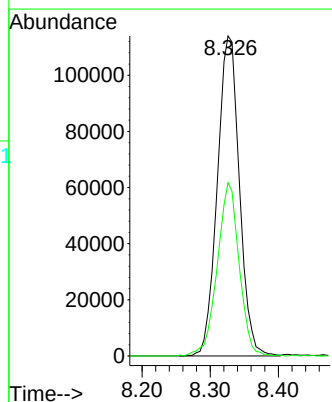
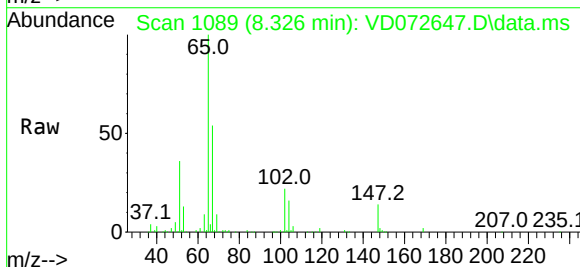


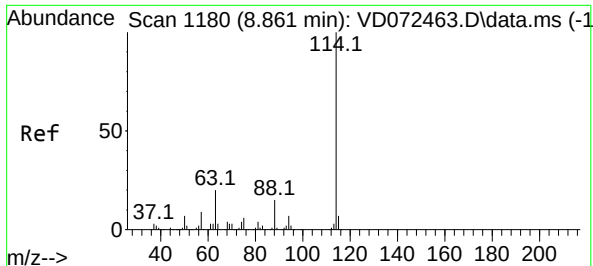
Tgt Ion: 56 Resp: 10257
Ion Ratio Lower Upper
56 100
69 182.7 25.4 38.2#
84 140.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 42.287 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Tgt Ion: 65 Resp: 256846
Ion Ratio Lower Upper
65 100
67 53.6 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: VD072647.D

Acq: 20 Apr 2022 15:11

Instrument :

MSVOA_D

ClientSampleId :

22L091-B

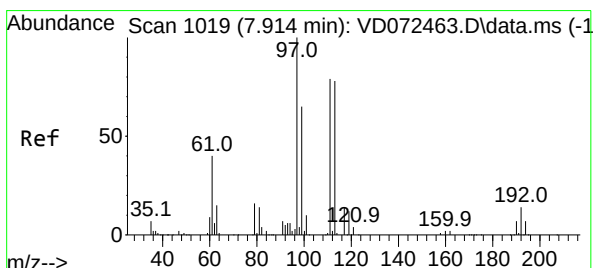
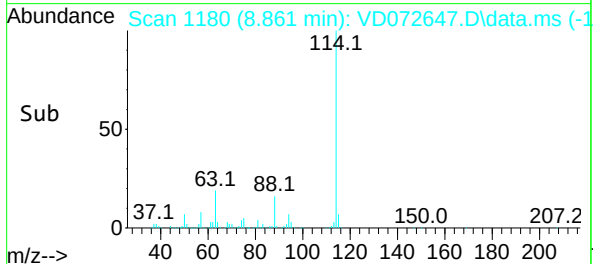
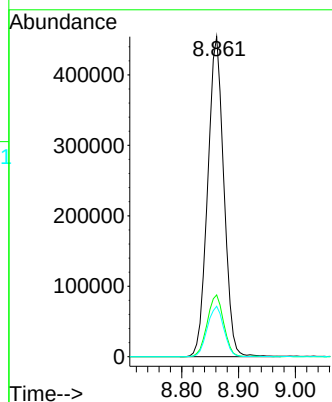
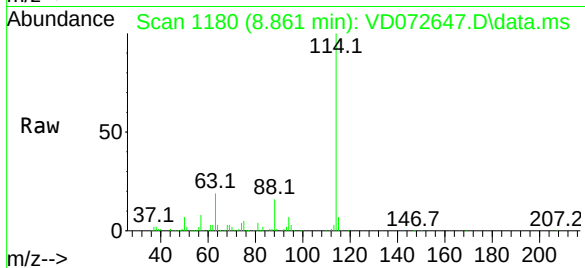
Tgt Ion:114 Resp: 891689

Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 40.539 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072647.D

Acq: 20 Apr 2022 15:11

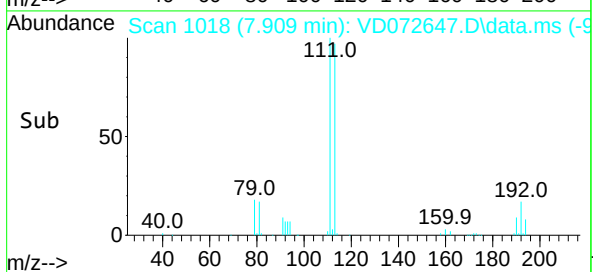
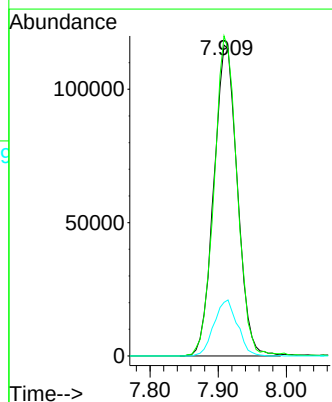
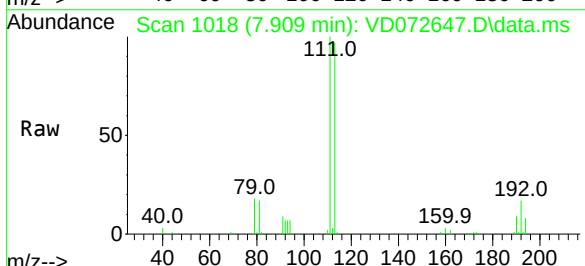
Tgt Ion:113 Resp: 280925

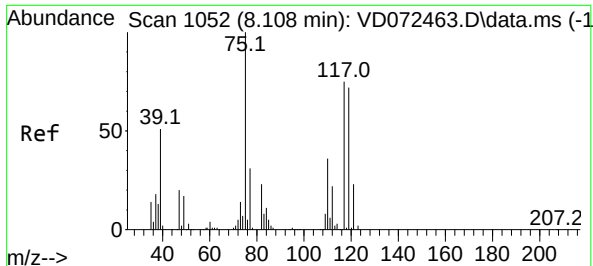
Ion Ratio Lower Upper

113 100

111 100.8 83.8 125.6

192 17.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.598 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072647.D

Acq: 20 Apr 2022 15:11

Instrument :

MSVOA_D

ClientSampleId :

22L091-B

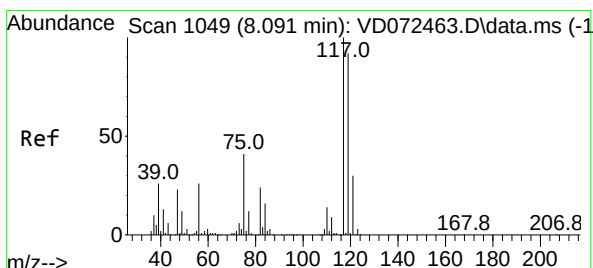
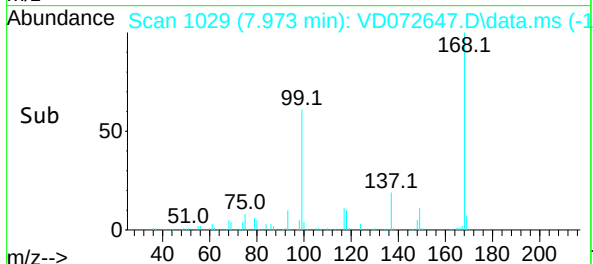
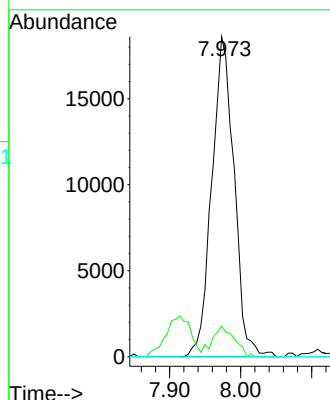
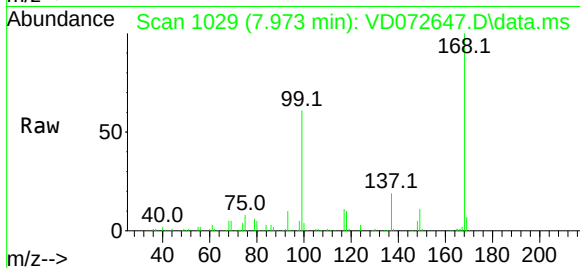
Tgt Ion: 75 Resp: 40529

Ion Ratio Lower Upper

75 100

110 9.5 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.527 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072647.D

Acq: 20 Apr 2022 15:11

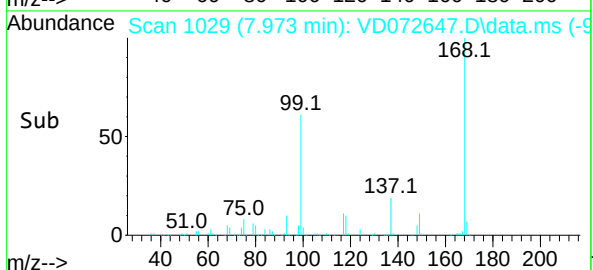
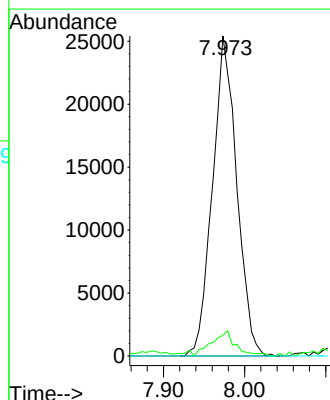
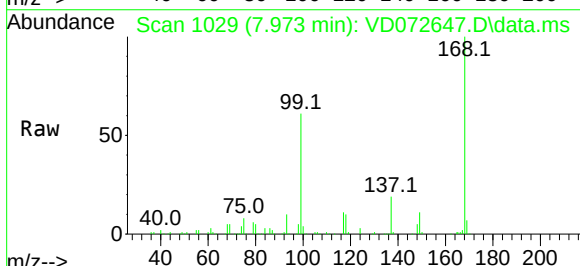
Tgt Ion: 117 Resp: 52763

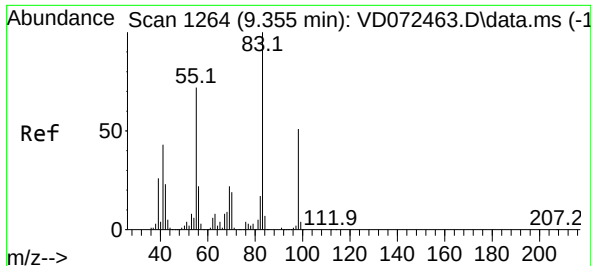
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.984 ug/l

RT: 9.344 min Scan# 1175

Delta R.T. -0.011 min

Lab File: VD072647.D

Acq: 20 Apr 2022 15:11

Instrument :

MSVOA_D

ClientSampleId :

22L091-B

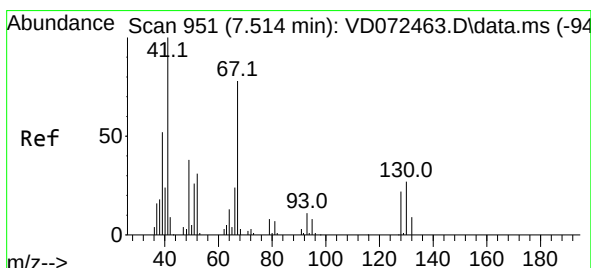
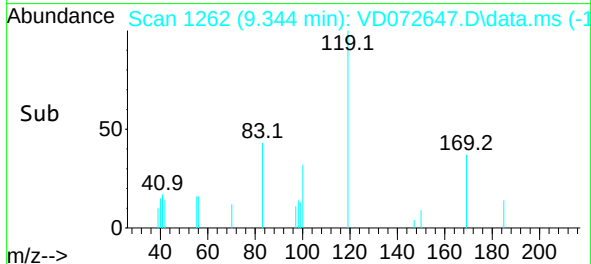
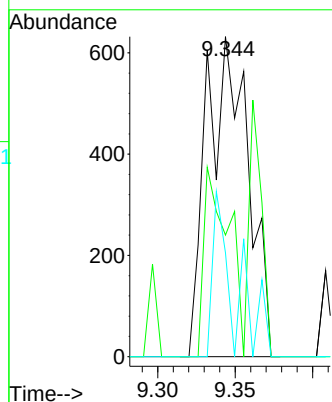
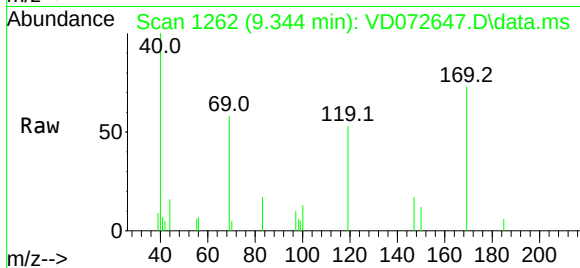
Tgt Ion: 83 Resp: 1175

Ion Ratio Lower Upper

83 100

55 38.0 63.2 94.8#

98 32.4 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.729 ug/l

RT: 7.538 min Scan# 955

Delta R.T. 0.024 min

Lab File: VD072647.D

Acq: 20 Apr 2022 15:11

Tgt Ion: 41 Resp: 158

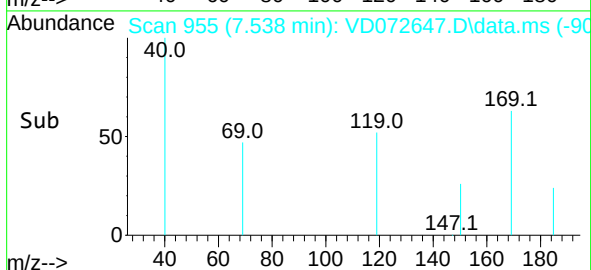
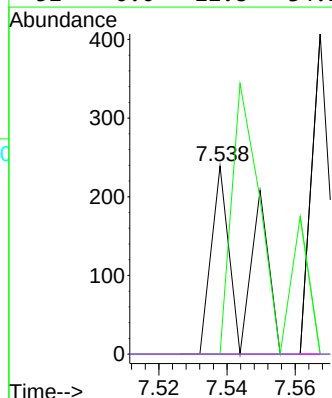
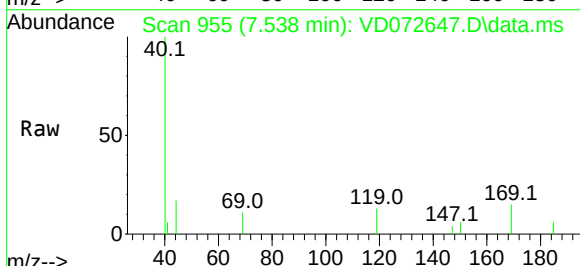
Ion Ratio Lower Upper

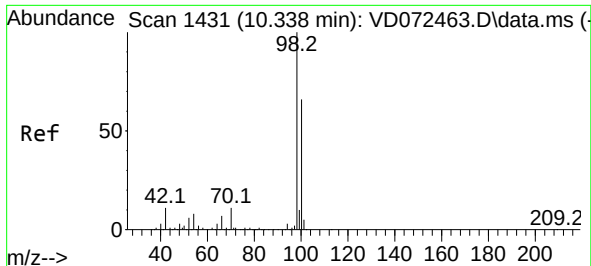
41 100

39 160.1 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

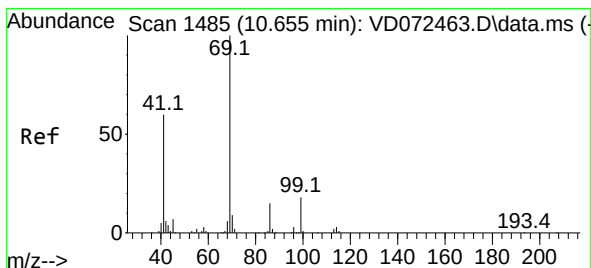
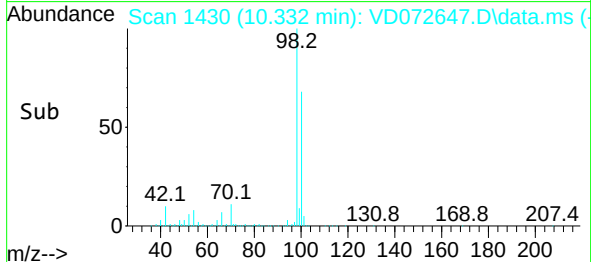
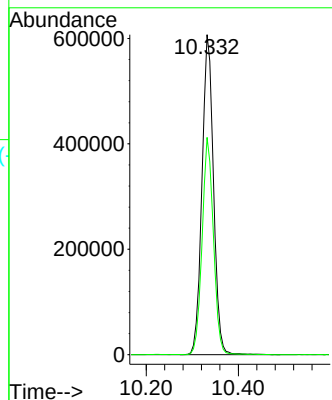
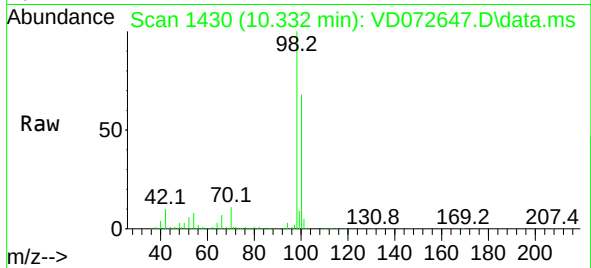




#50
Toluene-d8
Concen: 43.954 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

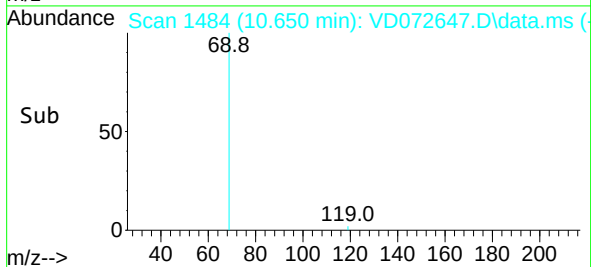
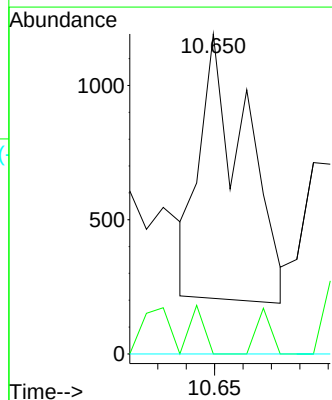
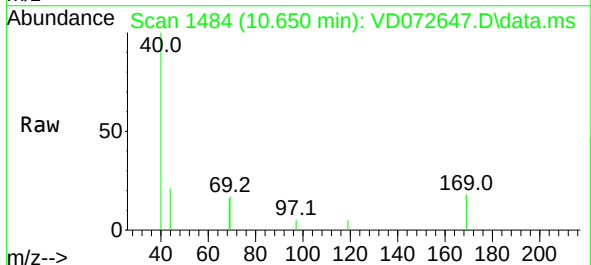
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

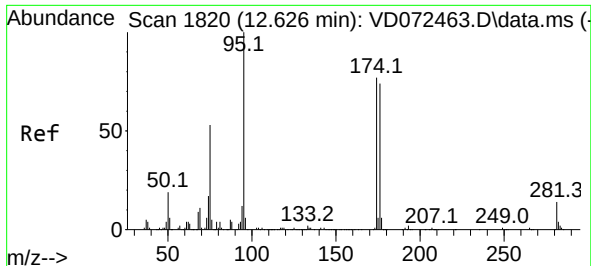
Tgt Ion: 98 Resp: 1058761
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.355 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Tgt Ion: 69 Resp: 1105
Ion Ratio Lower Upper
69 100
41 16.1 63.0 94.6#
39 0.0 33.8 50.8#

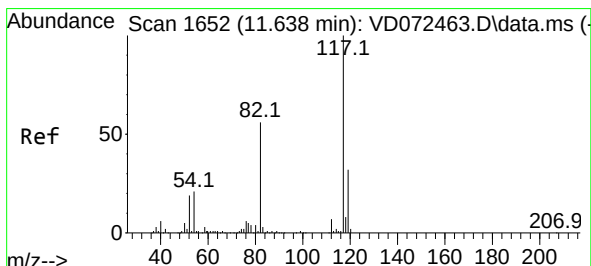
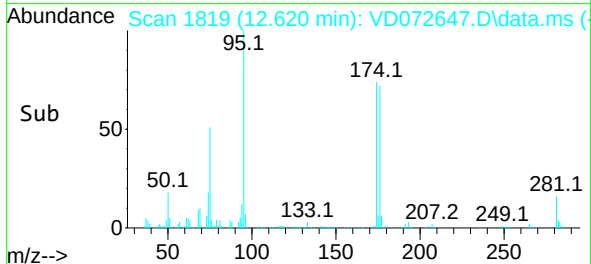
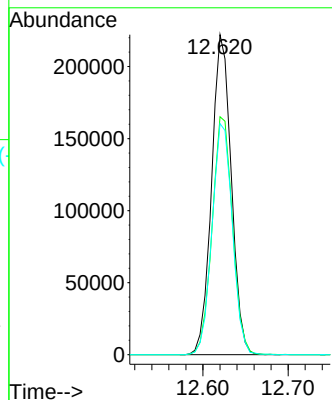
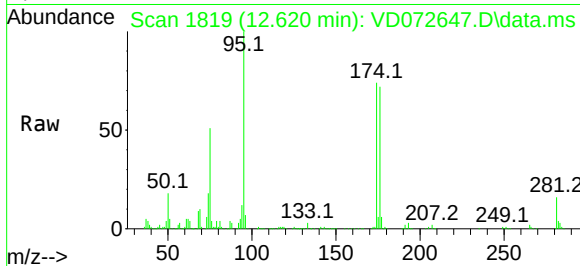




#62
4-Bromofluorobenzene
Concen: 37.815 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

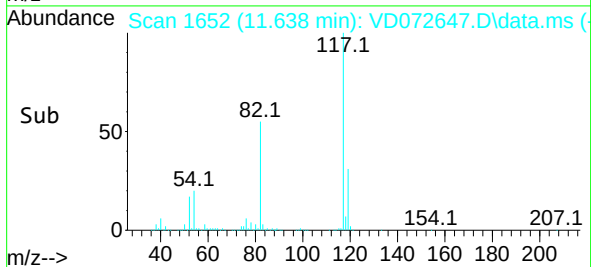
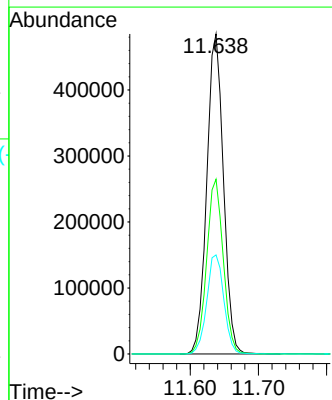
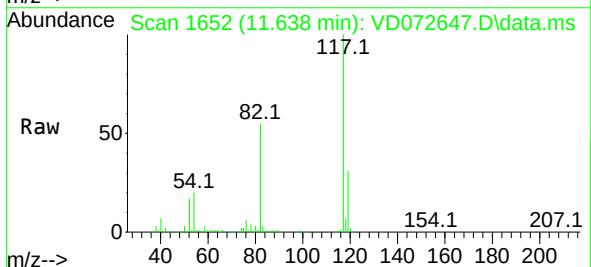
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

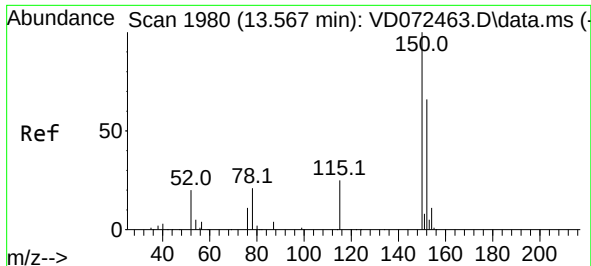
Tgt Ion: 95 Resp: 355739
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.8
176 74.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Tgt Ion: 117 Resp: 822523
Ion Ratio Lower Upper
117 100
82 54.6 45.3 67.9
119 31.0 26.6 40.0

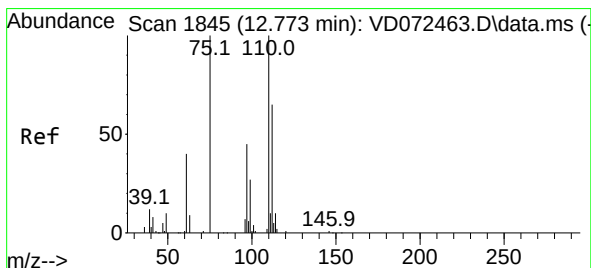
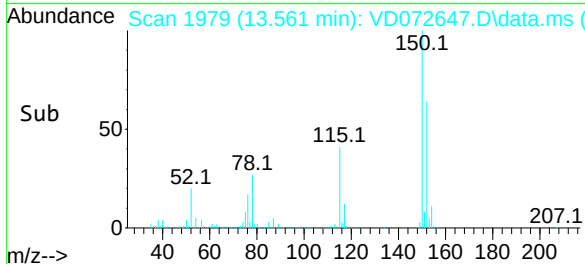
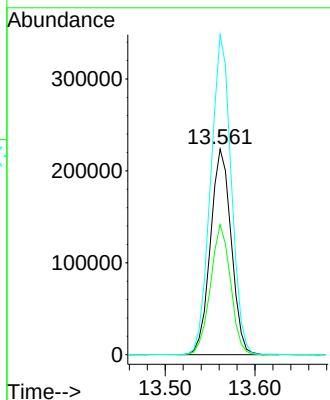
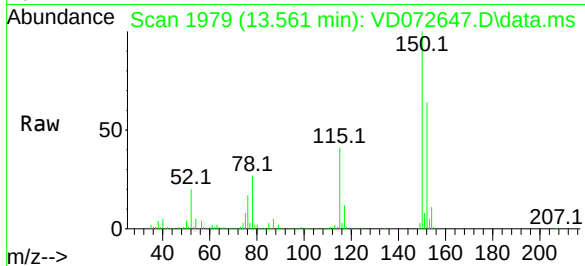




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

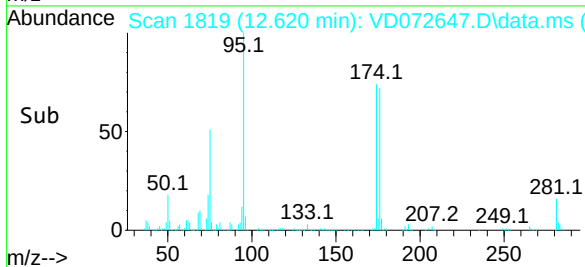
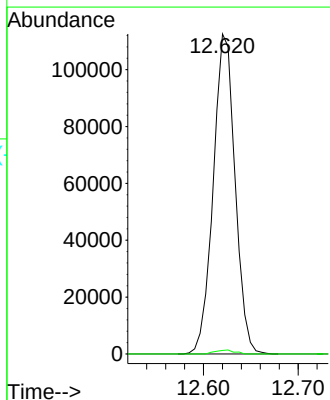
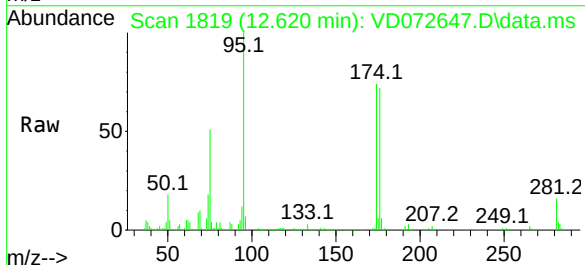
Instrument :
MSVOA_D
ClientSampleId :
22L091-B

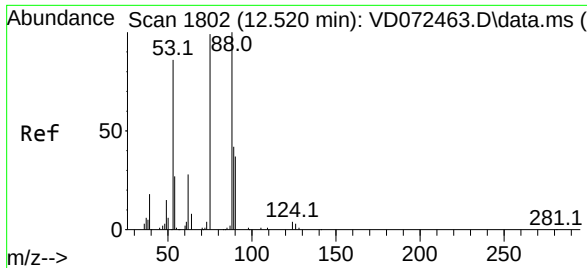
Tgt Ion:152 Resp: 359880
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.8
150 154.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.935 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Tgt Ion: 75 Resp: 180300
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.717 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072647.D
 Acq: 20 Apr 2022 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 22L091-B

Tgt Ion: 75 Resp: 180300
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.2 33.9 50.9#

