

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072630.D
 Acq On : 19 Apr 2022 17:44
 Operator : VA/SY
 Sample : N2449-01
 Misc : 5.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22L091-A

Quant Time: Apr 20 05:04:26 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)

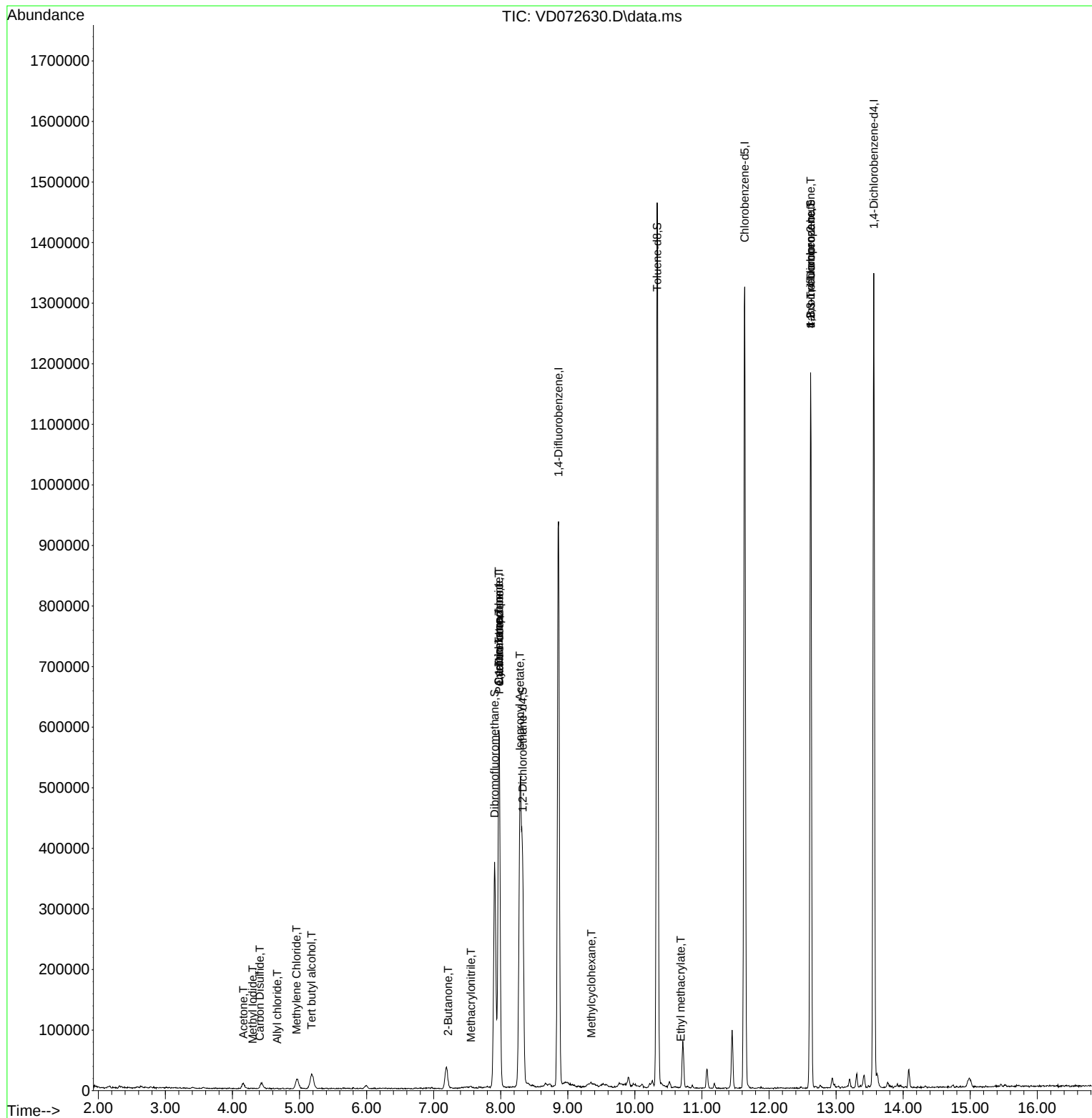
Internal Standards						
1) Pentafluorobenzene	7.979	168	435984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	832207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	795190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	357503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	263947	50.046	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.100%			
35) Dibromofluoromethane	7.908	113	270991	41.901	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 83.800%			
50) Toluene-d8	10.332	98	991661	44.111	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.220%			
62) 4-Bromofluorobenzene	12.620	95	354062	40.327	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.660%			
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	785	3.887	ug/l #	38
11) Tert butyl alcohol	5.179	59	24620	88.396	ug/l #	77
14) Allyl chloride	4.667	41	57	1.135	ug/l #	22
16) Acetone	4.162	43	15955	16.224	ug/l	99
17) Carbon Disulfide	4.409	76	2807	3.933	ug/l #	74
20) Methylene Chloride	4.956	84	13307	2.273	ug/l #	74
25) 2-Butanone	7.214	43	2143	1.576	ug/l #	52
31) Cyclohexane	7.973	56	9735	1.412	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	35116	5.277	ug/l #	52
38) Carbon Tetrachloride	7.973	117	46056	5.169	ug/l #	17
39) Methylcyclohexane	9.350	83	175	2.894	ug/l #	57
41) Methacrylonitrile	7.556	41	133	1.722	ug/l #	27
43) Isopropyl Acetate	8.285	43	10961	1.667	ug/l #	30
56) Ethyl methacrylate	10.685	69	190	1.221	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	178787	45.853	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	178787	112.514	ug/l #	7

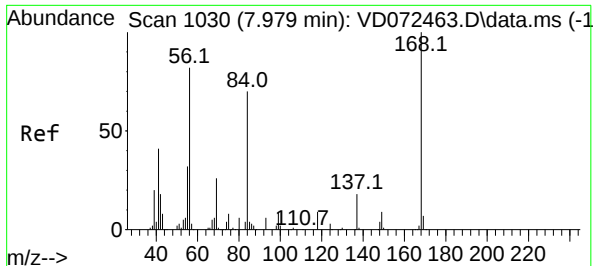
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

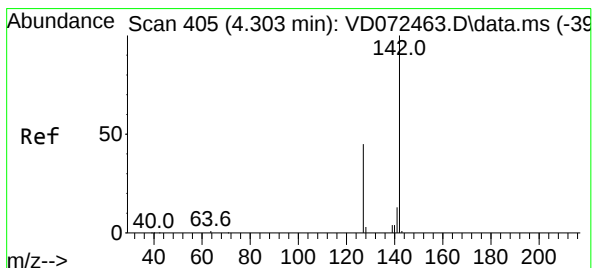
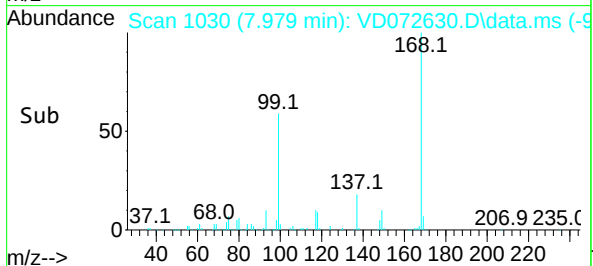
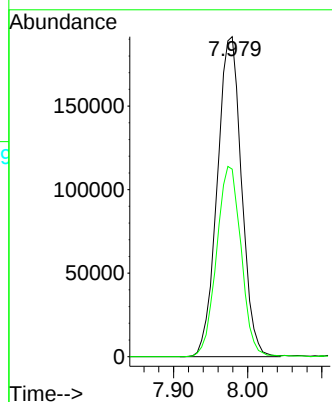
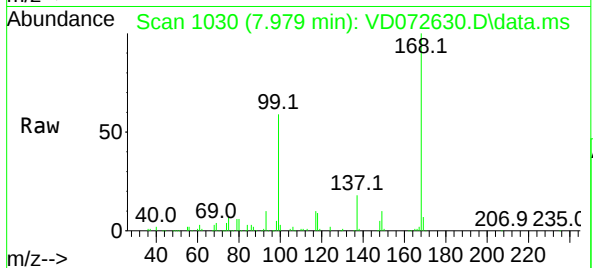




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

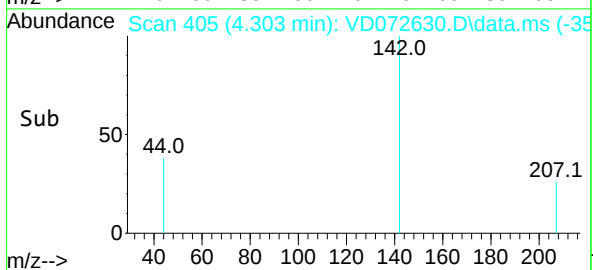
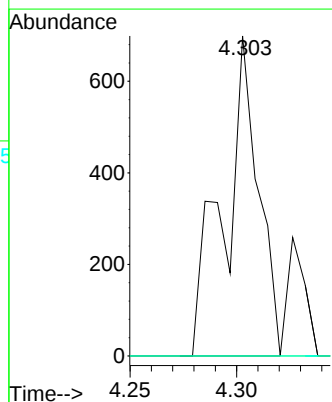
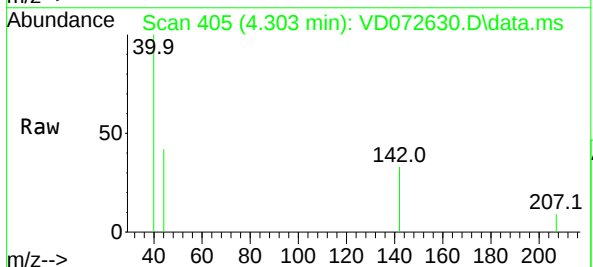
Instrument :
MSVOA_D
ClientSampleId :
22L091-A

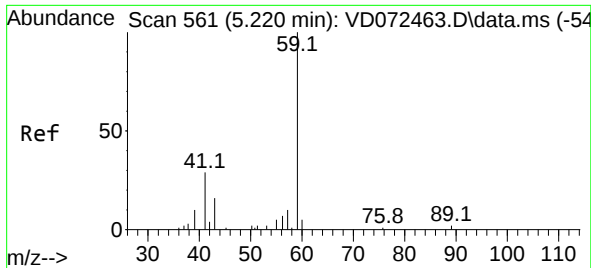
Tgt Ion:168 Resp: 435984
Ion Ratio Lower Upper
168 100
99 58.6 49.8 74.6



#10
Methyl Iodide
Concen: 3.887 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

Tgt Ion:142 Resp: 785
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

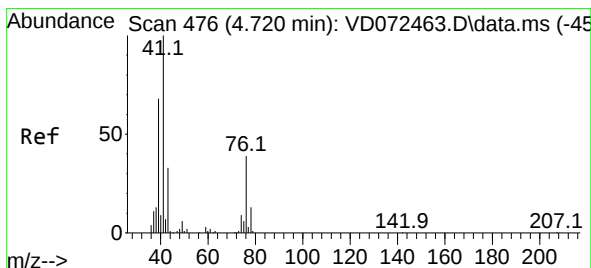
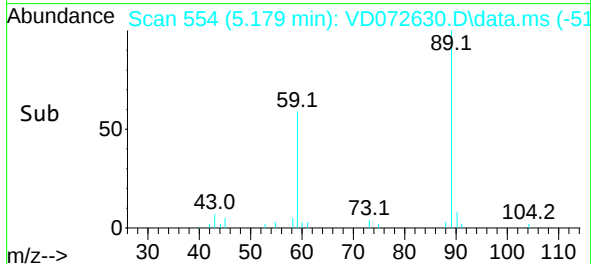
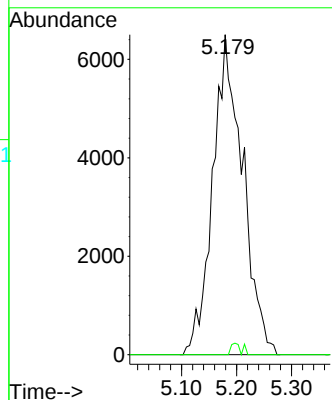
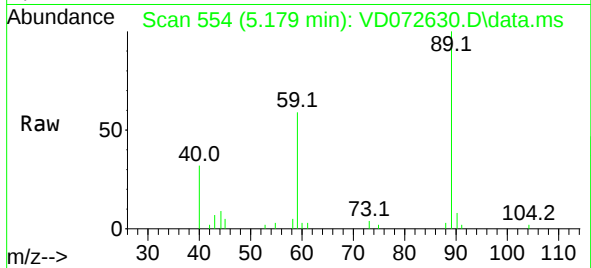




#11
Tert butyl alcohol
Concen: 88.396 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.041 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

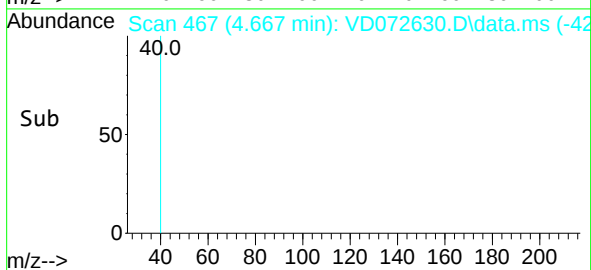
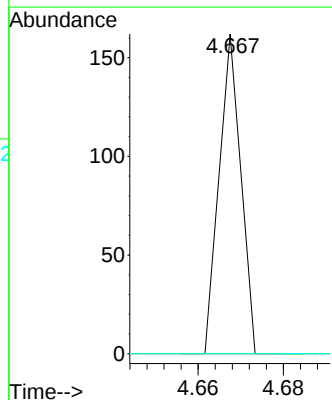
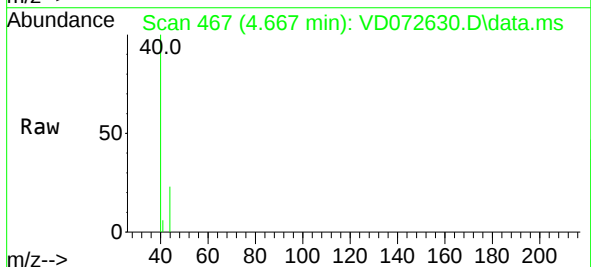
Instrument :
MSVOA_D
ClientSampleId :
22L091-A

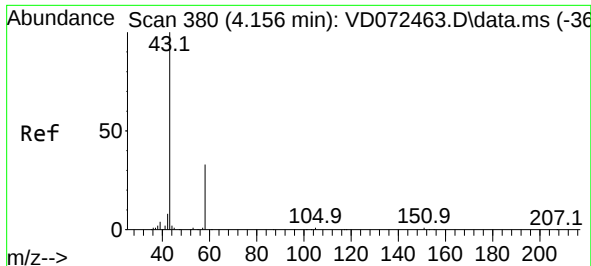
Tgt Ion: 59 Resp: 24620
Ion Ratio Lower Upper
59 100
57 1.2 7.8 11.6#



#14
Allyl chloride
Concen: 1.135 ug/l
RT: 4.667 min Scan# 467
Delta R.T. -0.053 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

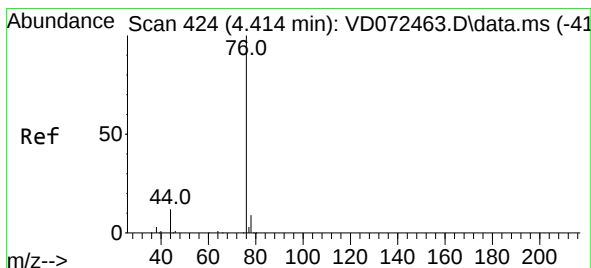
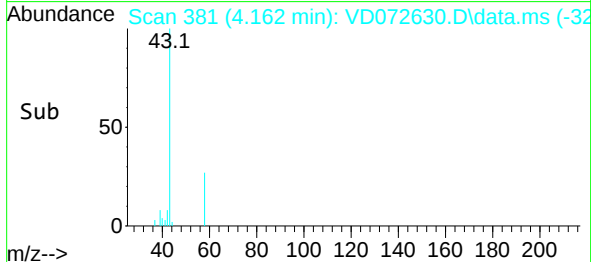
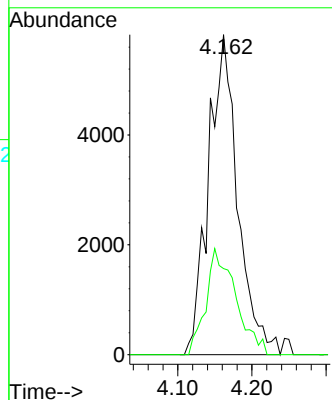
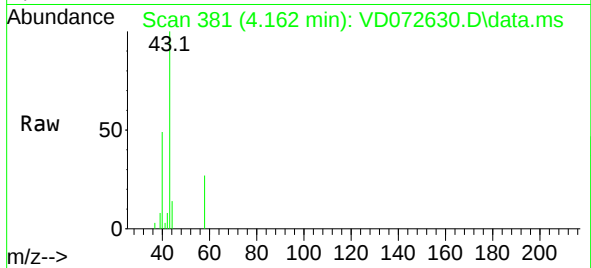




#16
Acetone
Concen: 16.224 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

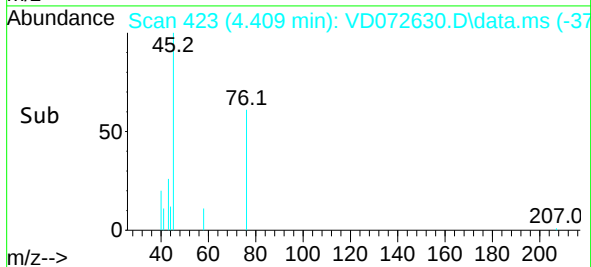
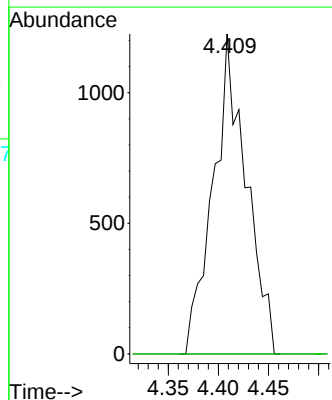
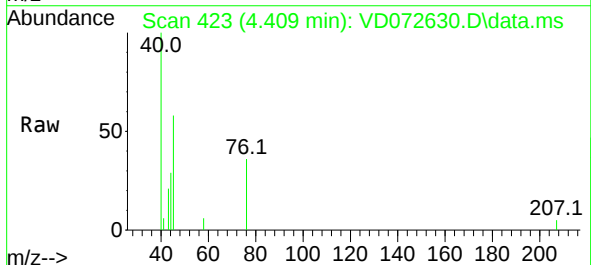
Instrument :
MSVOA_D
ClientSampleId :
22L091-A

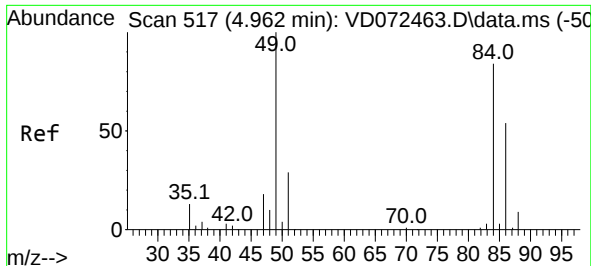
Tgt Ion: 43 Resp: 15955
Ion Ratio Lower Upper
43 100
58 26.9 22.1 33.1



#17
Carbon Disulfide
Concen: 3.933 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

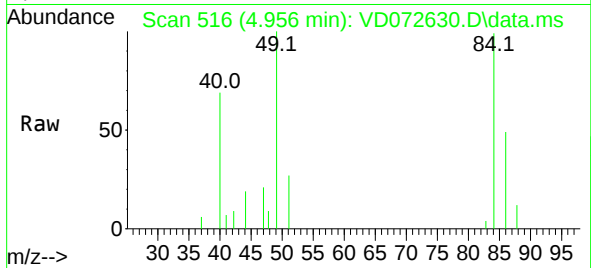
Tgt Ion: 76 Resp: 2807
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



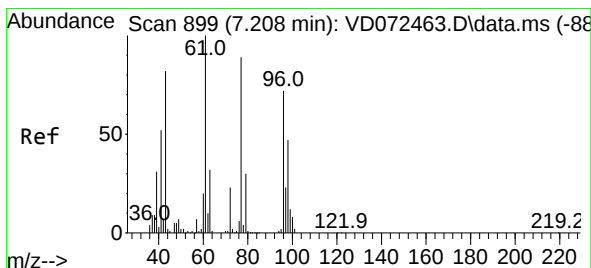
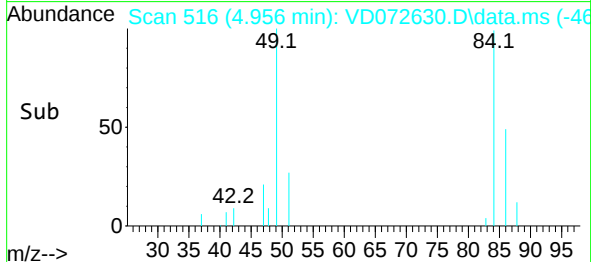
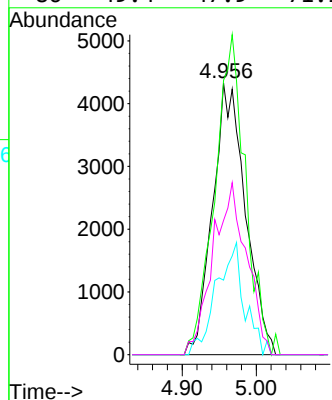


#20
Methylene Chloride
Concen: 2.273 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

Instrument :
MSVOA_D
ClientSampleId :
22L091-A

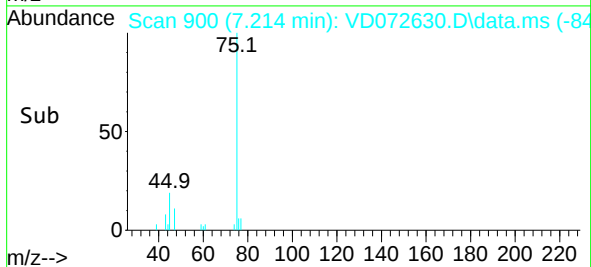
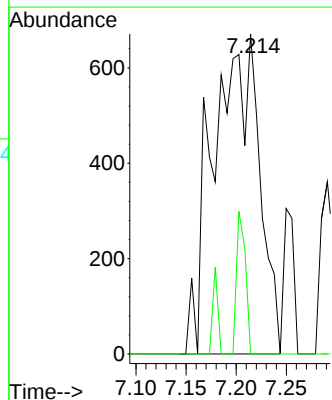
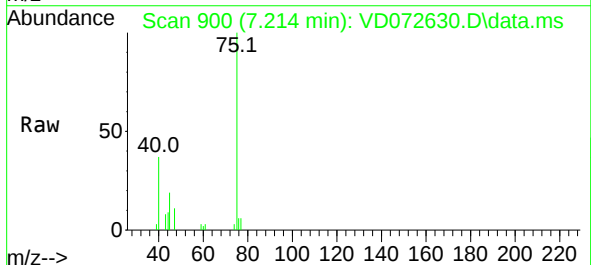


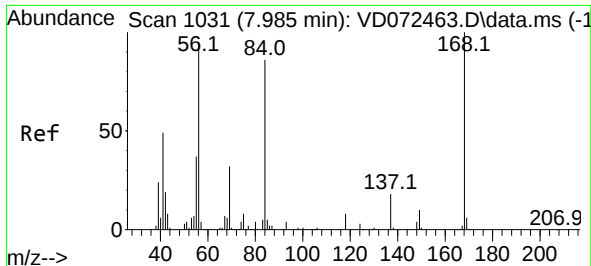
Tgt Ion: 84 Resp: 13307
Ion Ratio Lower Upper
84 100
49 101.0 112.8 169.2#
51 27.5 32.6 48.8#
86 49.4 47.9 71.9



#25
2-Butanone
Concen: 1.576 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

Tgt Ion: 43 Resp: 2143
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.412 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072630.D

Acq: 19 Apr 2022 17:44

Instrument :

MSVOA_D

ClientSampleId :

22L091-A

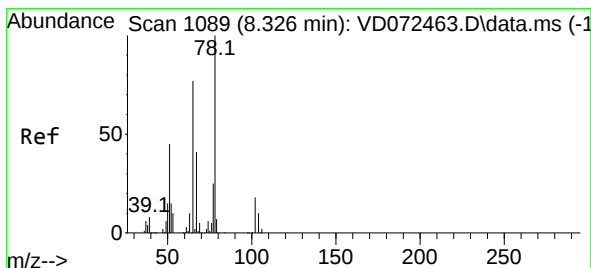
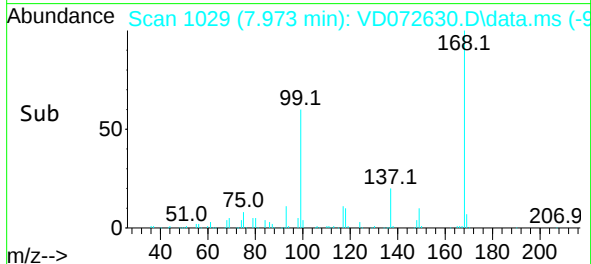
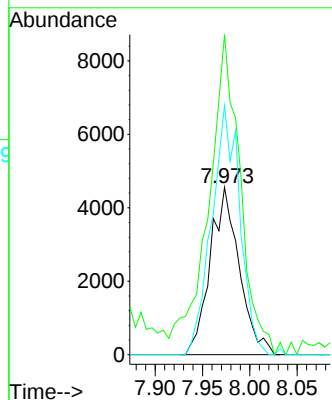
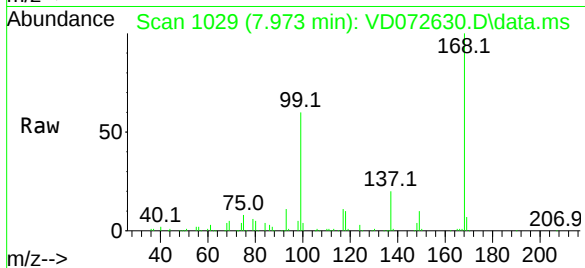
Tgt Ion: 56 Resp: 9735

Ion Ratio Lower Upper

56 100

69 184.0 25.4 38.2#

84 149.0 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 50.046 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072630.D

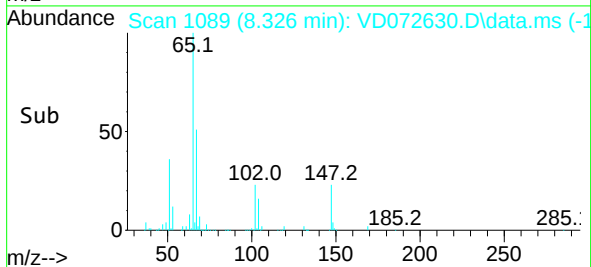
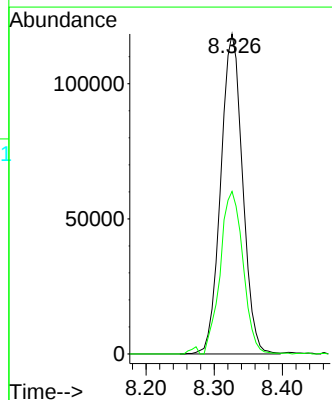
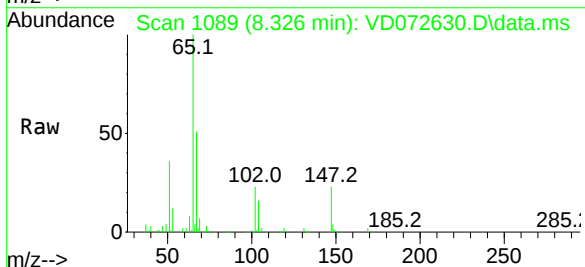
Acq: 19 Apr 2022 17:44

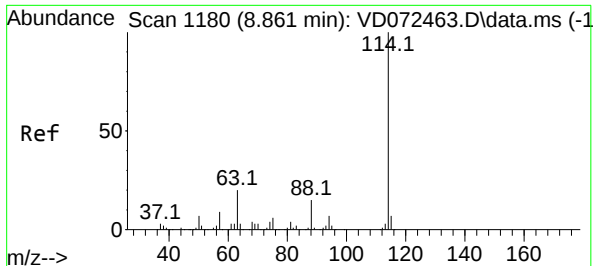
Tgt Ion: 65 Resp: 263947

Ion Ratio Lower Upper

65 100

67 53.1 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: VD072630.D

Acq: 19 Apr 2022 17:44

Instrument :

MSVOA_D

ClientSampleId :

22L091-A

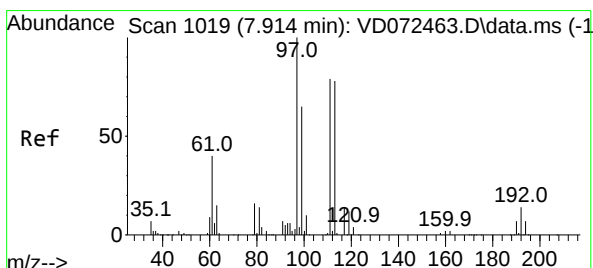
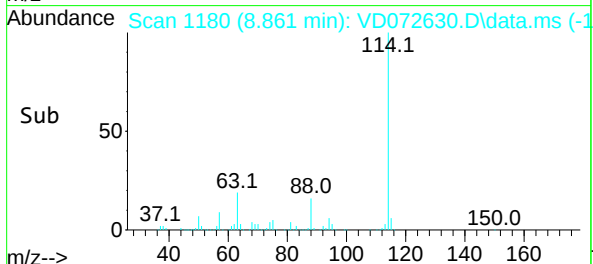
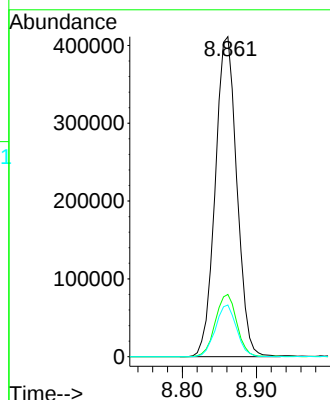
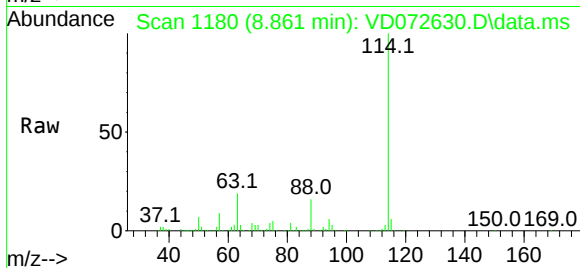
Tgt Ion:114 Resp: 832207

Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 41.901 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072630.D

Acq: 19 Apr 2022 17:44

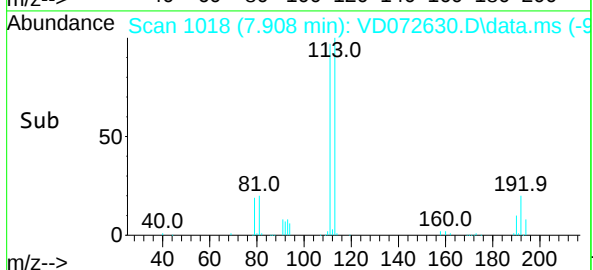
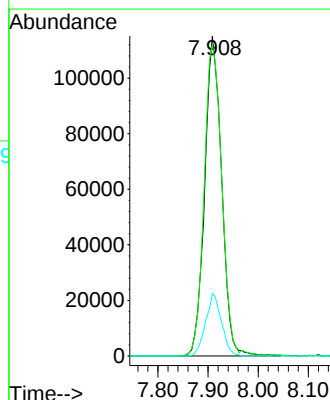
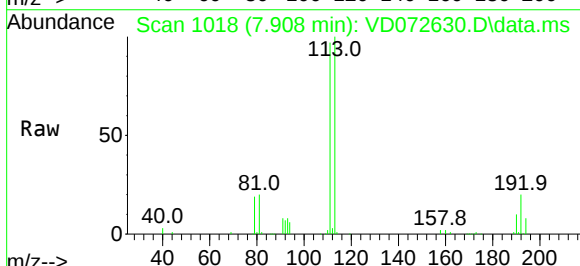
Tgt Ion:113 Resp: 270991

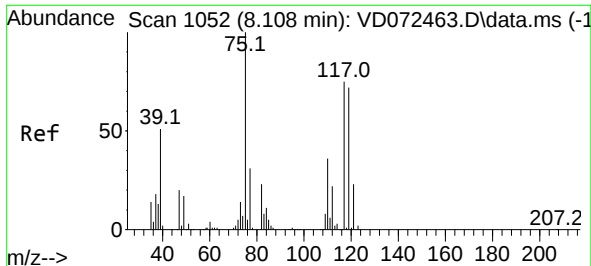
Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 18.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.277 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072630.D

Acq: 19 Apr 2022 17:44

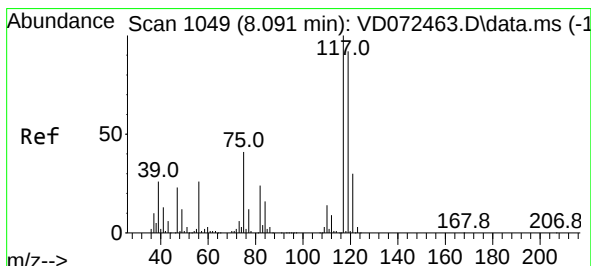
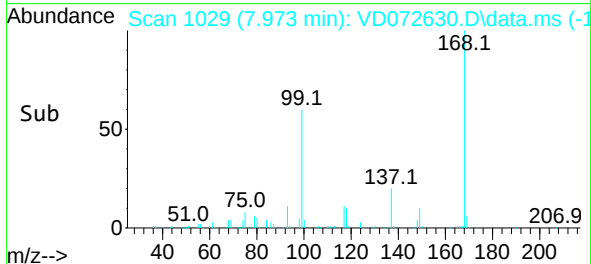
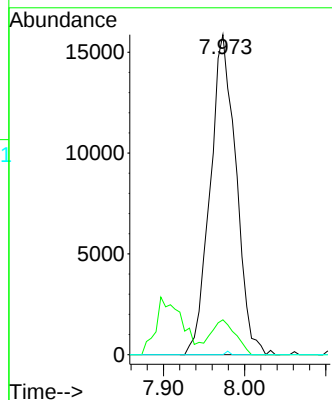
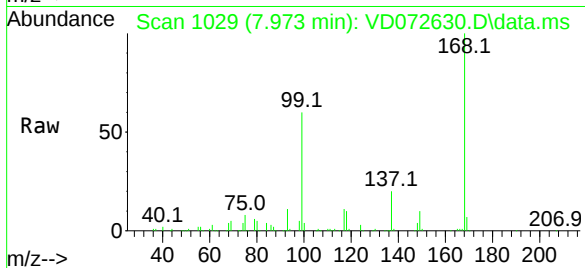
Instrument :

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22L091-A

Tgt Ion:	75	Resp:	35116
Ion Ratio	Lower	Upper	
75	100		
110	10.0	16.4	49.1#
77	0.2	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.169 ug/l

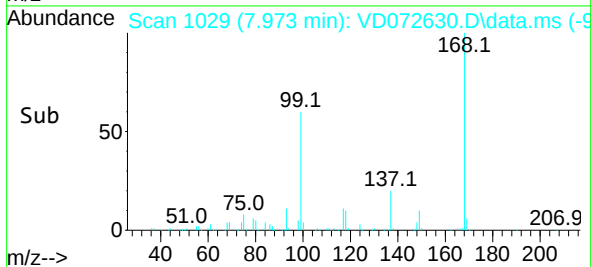
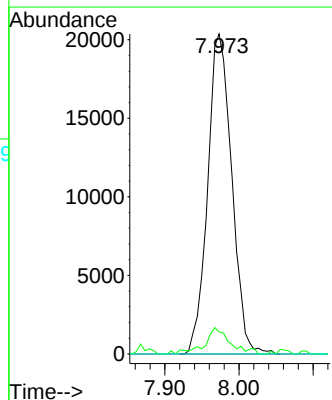
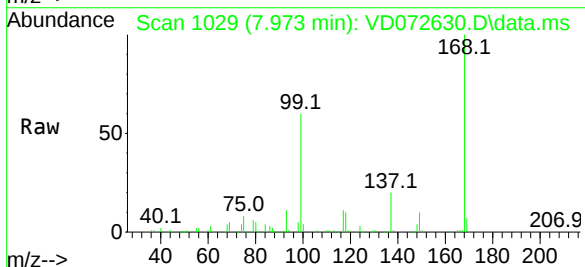
RT: 7.973 min Scan# 1029

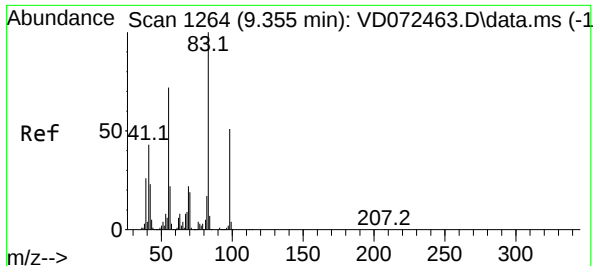
Delta R.T. -0.118 min

Lab File: VD072630.D

Acq: 19 Apr 2022 17:44

Tgt Ion:	117	Resp:	46056
Ion Ratio	Lower	Upper	
117	100		
119	5.6	75.8	113.6#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 2.894 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072630.D

Acq: 19 Apr 2022 17:44

Instrument :

MSVOA_D

ClientSampleId :

22L091-A

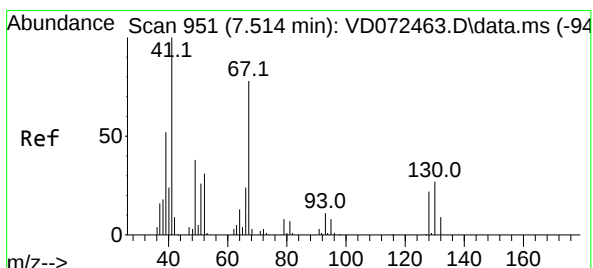
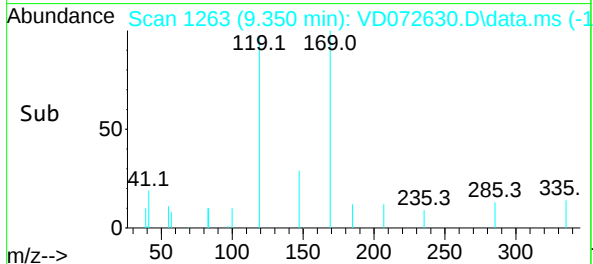
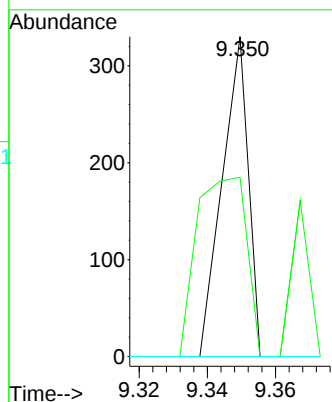
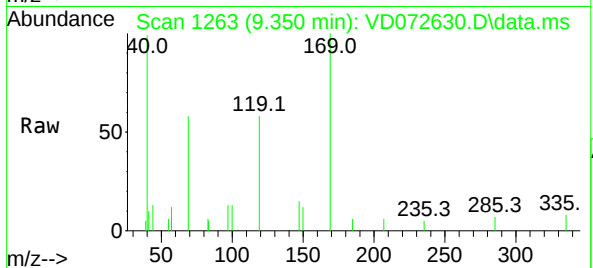
Tgt Ion: 83 Resp: 175

Ion Ratio Lower Upper

83 100

55 56.1 63.2 94.8#

98 0.0 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.722 ug/l

RT: 7.556 min Scan# 958

Delta R.T. 0.042 min

Lab File: VD072630.D

Acq: 19 Apr 2022 17:44

Tgt Ion: 41 Resp: 133

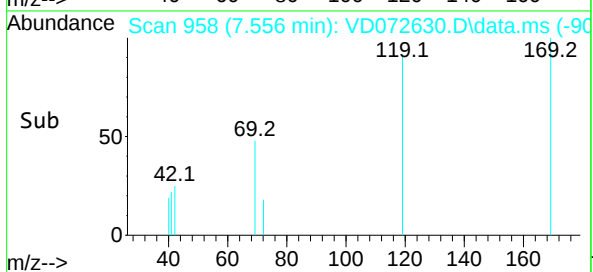
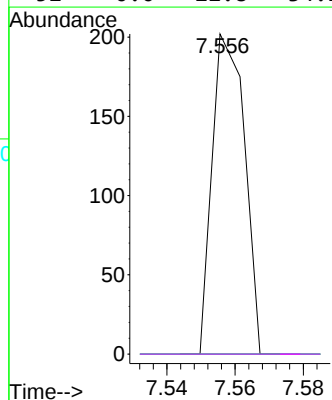
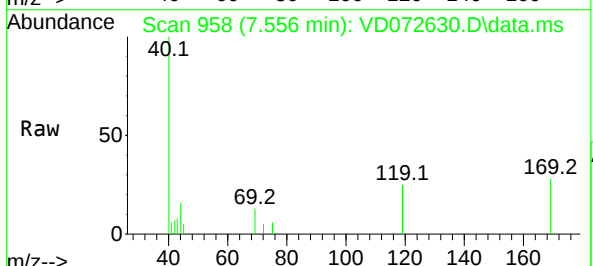
Ion Ratio Lower Upper

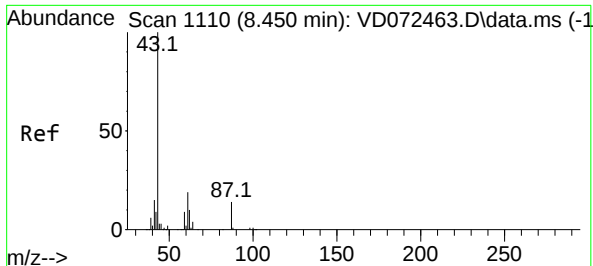
41 100

39 0.0 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#





#43

Isopropyl Acetate

Concen: 1.667 ug/l

RT: 8.285 min Scan# 10961

Delta R.T. -0.165 min

Lab File: VD072630.D

Acq: 19 Apr 2022 17:44

Instrument :

MSVOA_D

ClientSampleId :

22L091-A

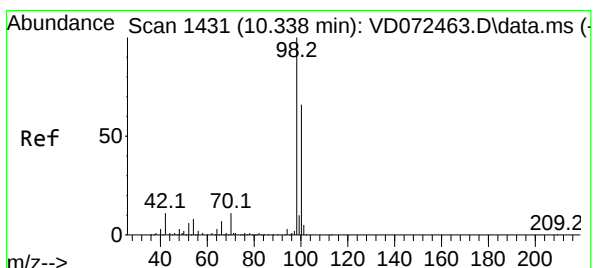
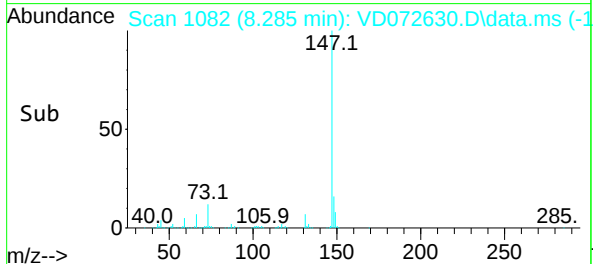
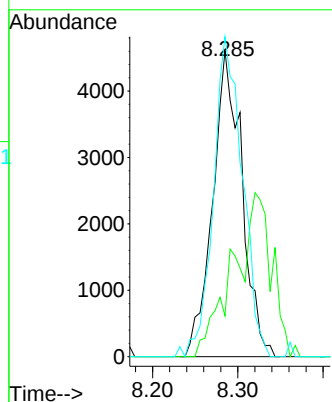
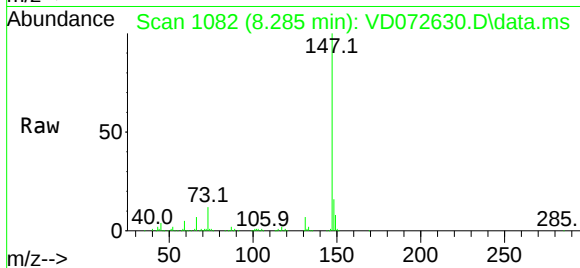
Tgt Ion: 43 Resp: 10961

Ion Ratio Lower Upper

43 100

61 28.7 22.4 33.6

87 103.9 8.7 13.1#



#50

Toluene-d8

Concen: 44.111 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD072630.D

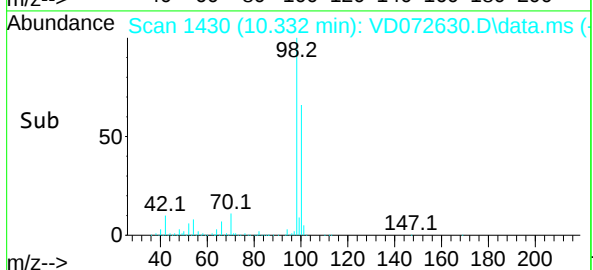
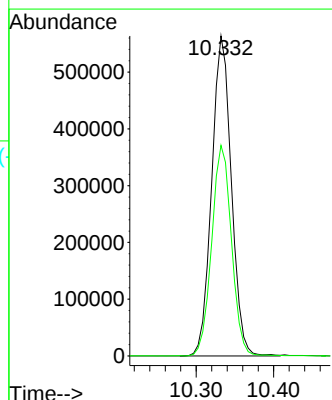
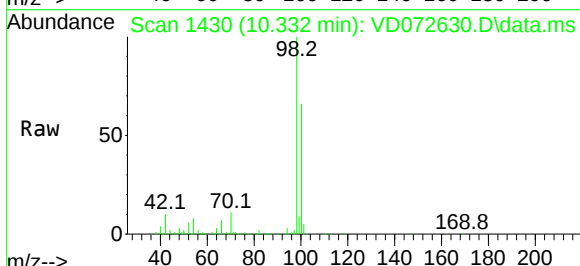
Acq: 19 Apr 2022 17:44

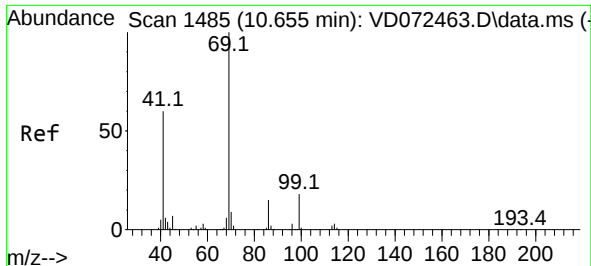
Tgt Ion: 98 Resp: 991661

Ion Ratio Lower Upper

98 100

100 66.4 52.4 78.6

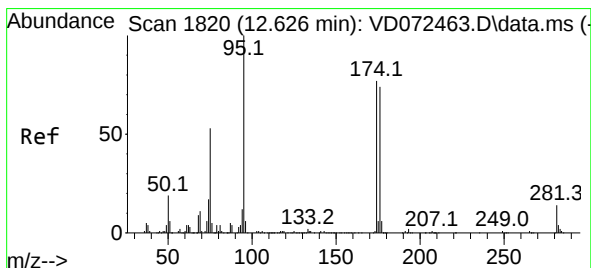
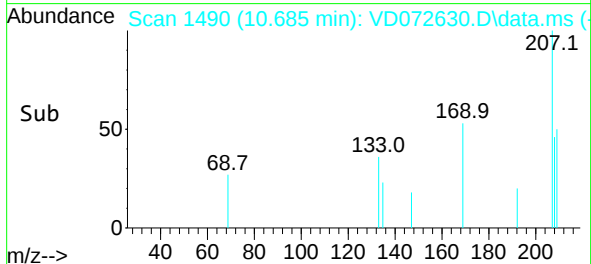
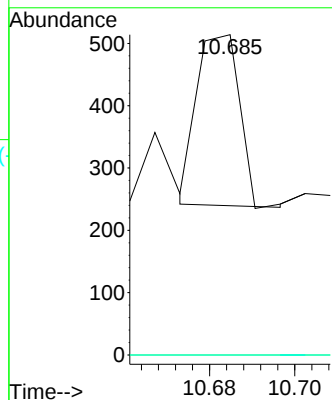
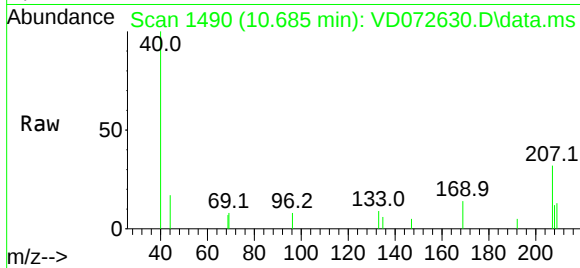




#56
Ethyl methacrylate
Concen: 1.221 ug/l
RT: 10.685 min Scan# 1485
Delta R.T. 0.030 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

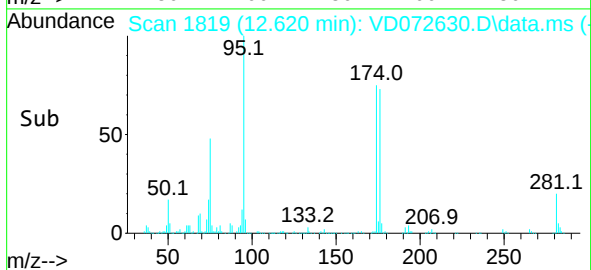
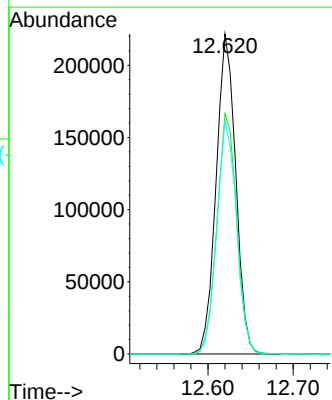
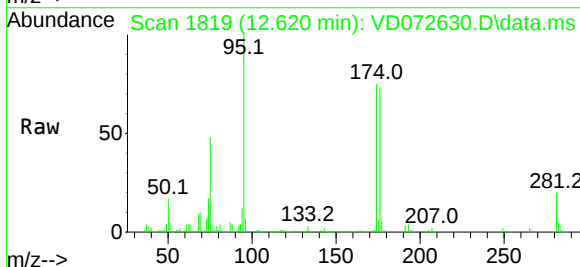
Instrument :
MSVOA_D
ClientSampleId :
22L091-A

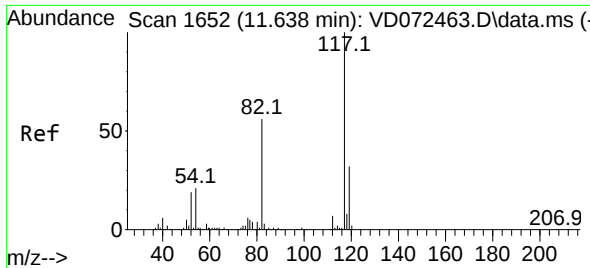
Tgt Ion: 69 Resp: 190
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 40.327 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

Tgt Ion: 95 Resp: 354062
Ion Ratio Lower Upper
95 100
174 75.8 0.0 152.8
176 73.6 0.0 145.4

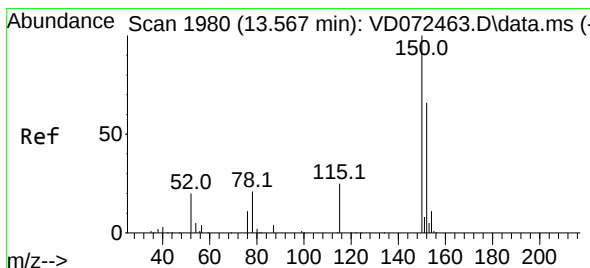
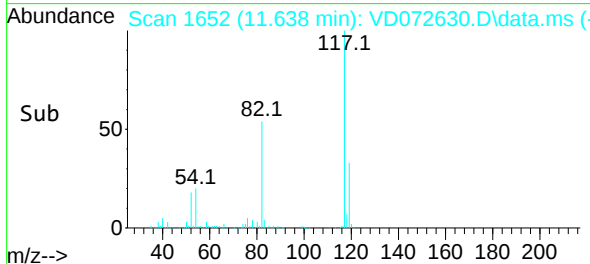
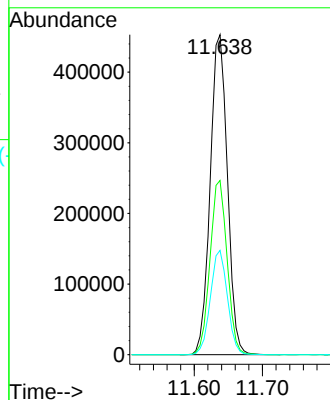
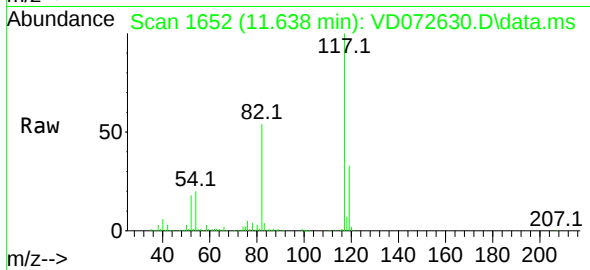




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

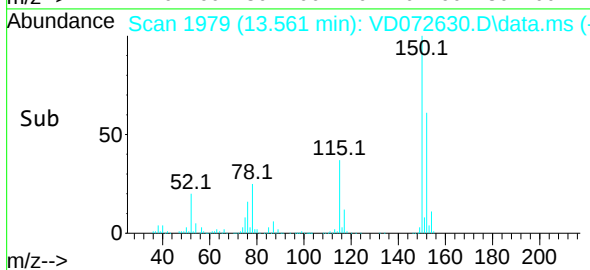
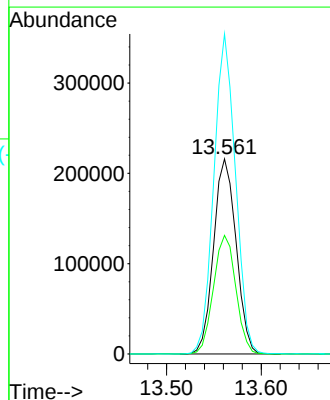
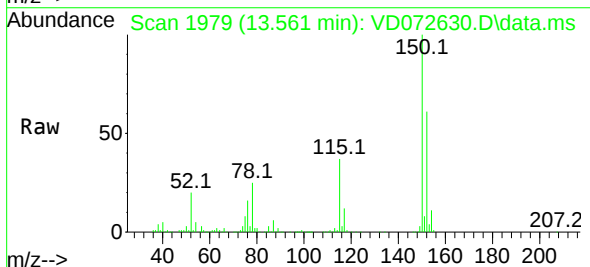
Instrument :
MSVOA_D
ClientSampleId :
22L091-A

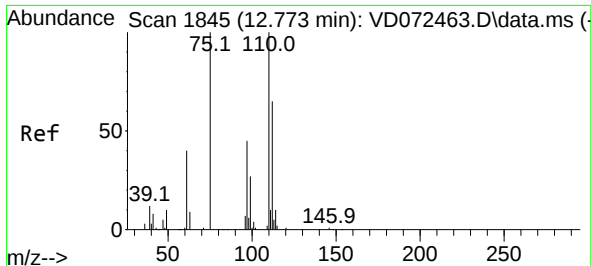
Tgt Ion:117 Resp: 795190
Ion Ratio Lower Upper
117 100
82 54.5 45.3 67.9
119 32.6 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

Tgt Ion:152 Resp: 357503
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 157.8 0.0 348.6

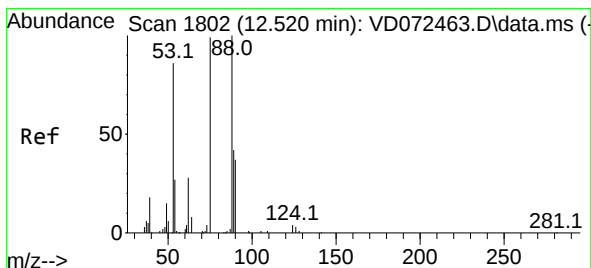
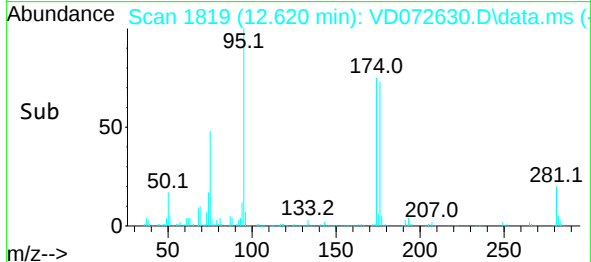
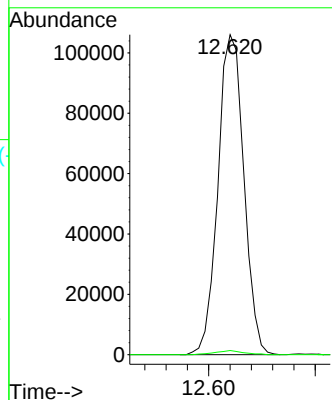
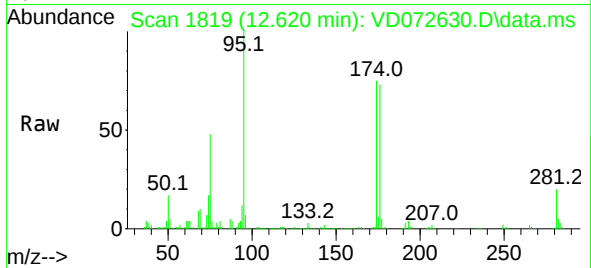




#76
1,2,3-Trichloropropane
Concen: 45.853 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

Instrument :
MSVOA_D
ClientSampleId :
22L091-A

Tgt Ion: 75 Resp: 178787
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.514 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072630.D
Acq: 19 Apr 2022 17:44

Tgt Ion: 75 Resp: 178787
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#

