

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072607.D
 Acq On : 18 Apr 2022 19:44
 Operator : VA/SY
 Sample : N2444-09
 Misc : 4.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-8

Quant Time: Apr 19 02:52:57 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

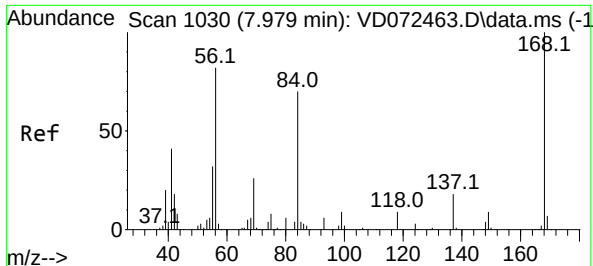
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	407946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	824501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	791460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	355956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	246335	49.917	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.840%
35) Dibromofluoromethane	7.908	113	265444	41.427	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.860%
50) Toluene-d8	10.332	98	996555	44.743	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.480%
62) 4-Bromofluorobenzene	12.620	95	344734	39.631	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.260%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	302	3.795	ug/l #	78
11) Tert butyl alcohol	5.185	59	28666	109.997	ug/l #	75
14) Allyl chloride	4.656	41	315	1.175	ug/l #	22
16) Acetone	4.156	43	10373	11.273	ug/l	99
17) Carbon Disulfide	4.403	76	2374	3.903	ug/l #	74
20) Methylene Chloride	4.961	84	12522	2.286	ug/l #	92
25) 2-Butanone	7.197	43	4463	3.507	ug/l #	52
31) Cyclohexane	7.973	56	7955	1.233	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	33243	5.093	ug/l #	51
38) Carbon Tetrachloride	7.973	117	42566	4.822	ug/l #	18
39) Methylcyclohexane	9.349	83	272	2.904	ug/l #	33
41) Methacrylonitrile	7.567	41	204	1.758	ug/l #	23
43) Isopropyl Acetate	8.291	43	30178	4.634	ug/l #	29
56) Ethyl methacrylate	10.596	69	661	1.297	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	179174	46.152	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	179174	113.248	ug/l #	7

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

Quant Time: Apr 19 02:52:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260
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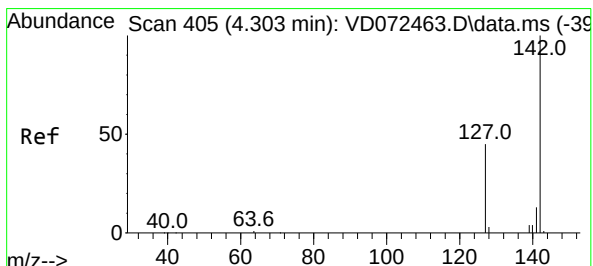
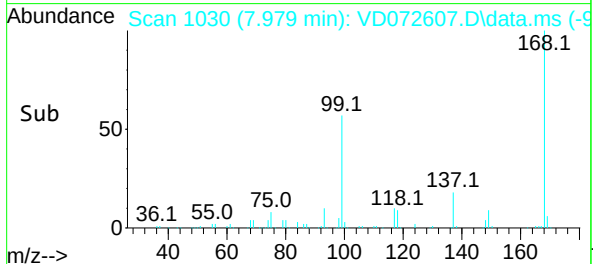
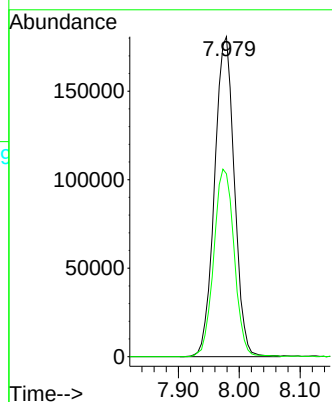
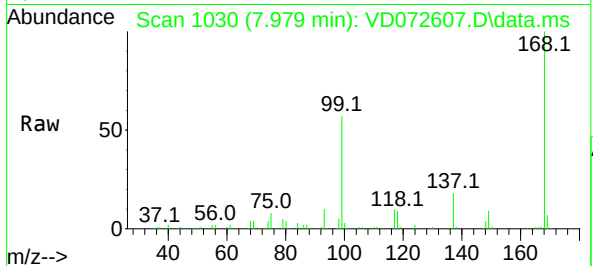




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

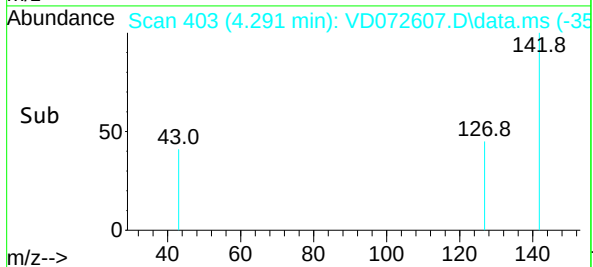
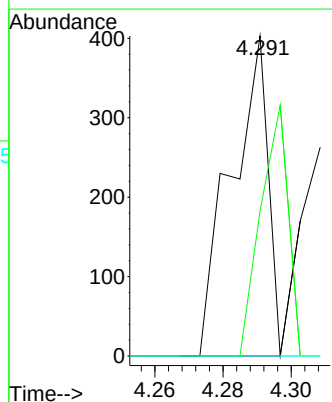
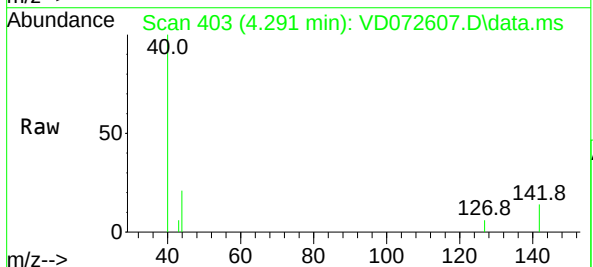
Instrument :
MSVOA_D
ClientSampleId :
SB-8

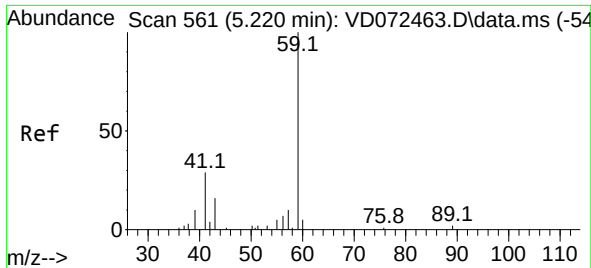
Tgt Ion:168 Resp: 407946
Ion Ratio Lower Upper
168 100
99 57.1 49.8 74.6



#10
Methyl Iodide
Concen: 3.795 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Tgt Ion:142 Resp: 302
Ion Ratio Lower Upper
142 100
127 58.3 37.3 55.9#
141 0.0 11.7 17.5#

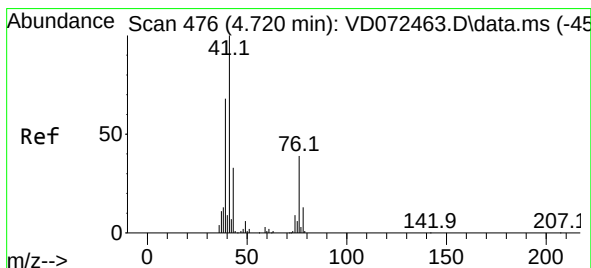
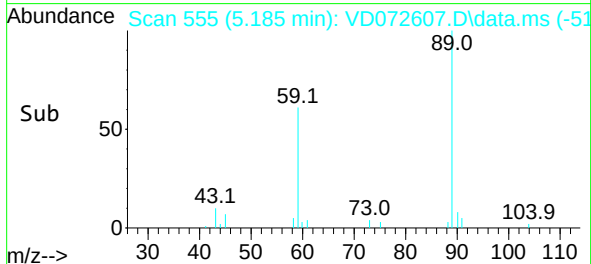
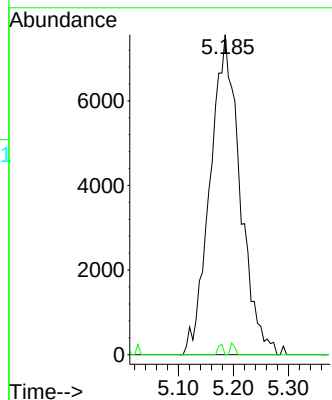
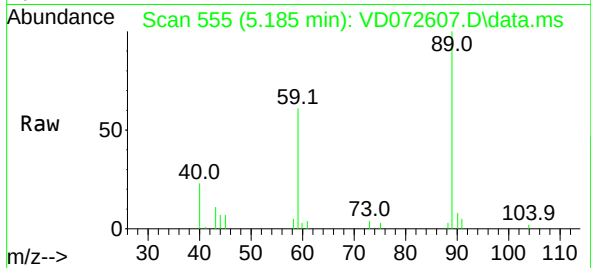




#11
Tert butyl alcohol
Concen: 109.997 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

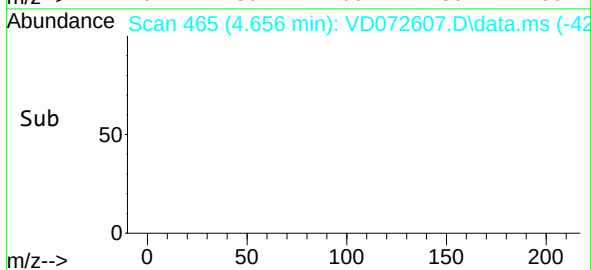
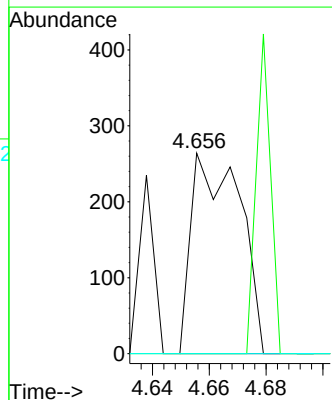
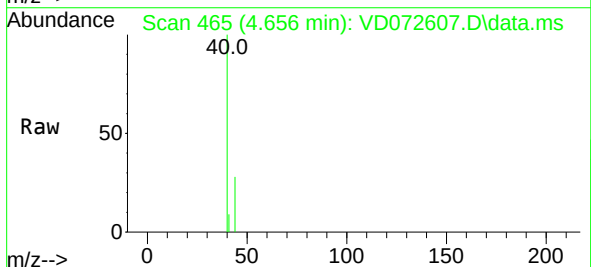
Instrument :
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ClientSampleId :
SB-8

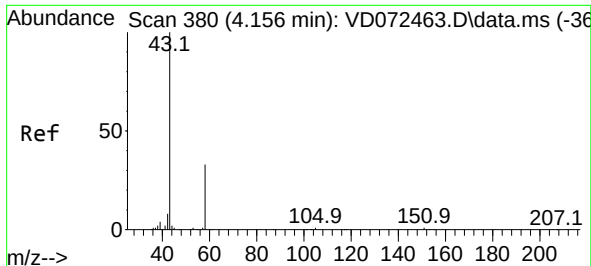
Tgt Ion: 59 Resp: 28666
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.6#



#14
Allyl chloride
Concen: 1.175 ug/l
RT: 4.656 min Scan# 465
Delta R.T. -0.064 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Tgt Ion: 41 Resp: 315
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

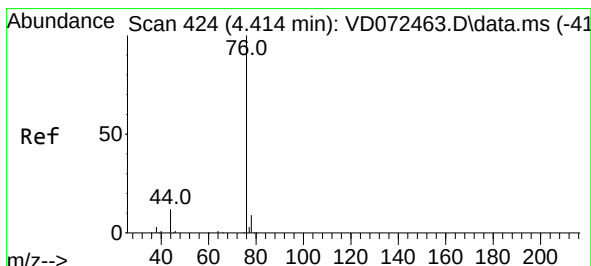
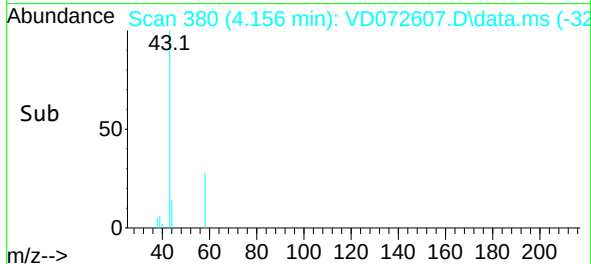
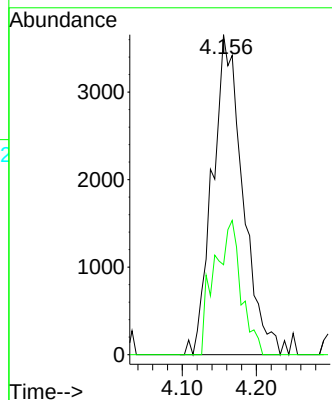
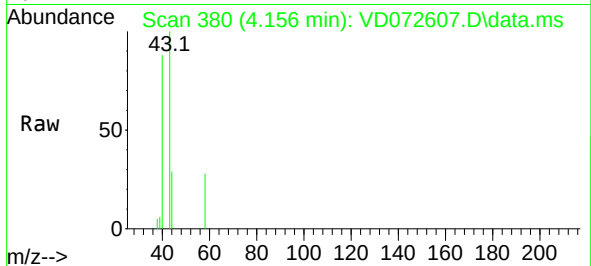




#16
Acetone
Concen: 11.273 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

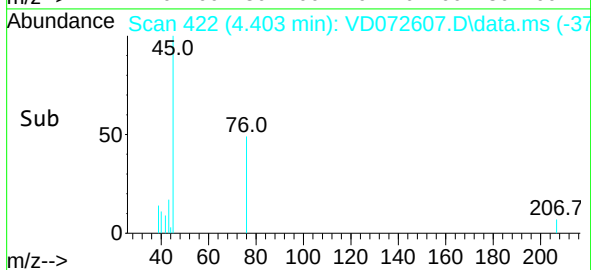
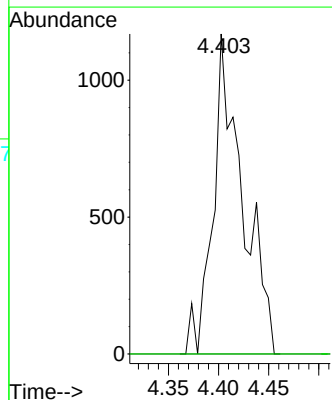
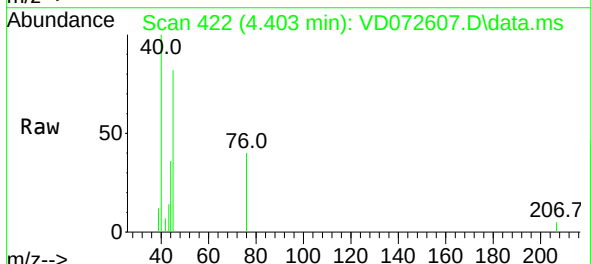
Instrument :
MSVOA_D
ClientSampleId :
SB-8

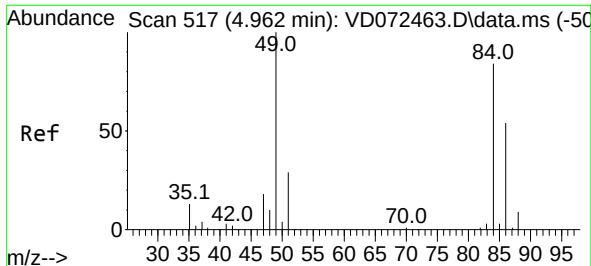
Tgt Ion: 43 Resp: 10373
Ion Ratio Lower Upper
43 100
58 28.1 22.1 33.1



#17
Carbon Disulfide
Concen: 3.903 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.011 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

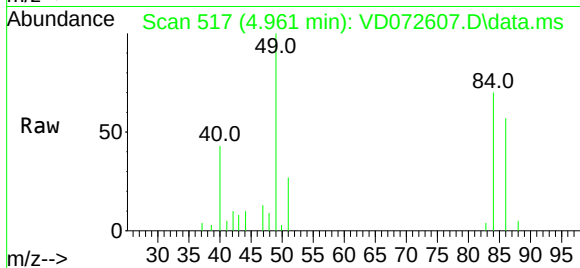
Tgt Ion: 76 Resp: 2374
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





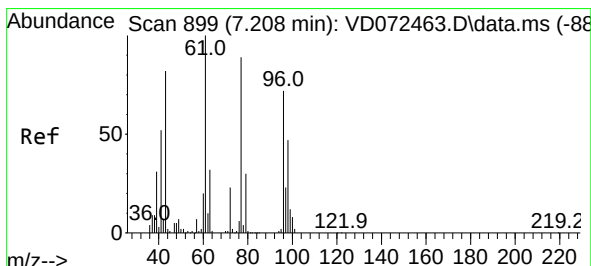
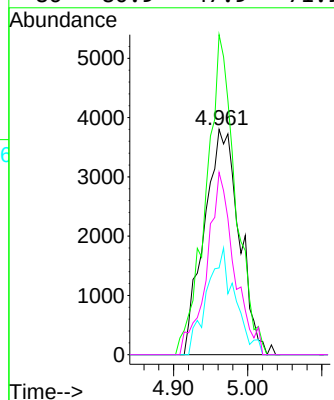
#20
Methylene Chloride
Concen: 2.286 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Instrument :
MSVOA_D
ClientSampleId :
SB-8



Tgt Ion: 84 Resp: 12522

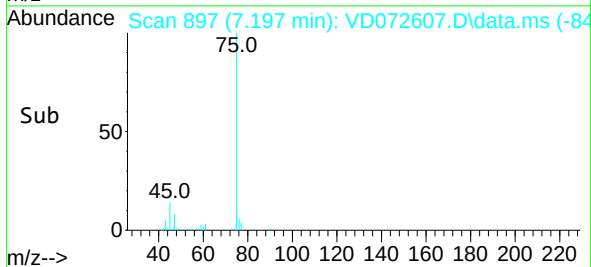
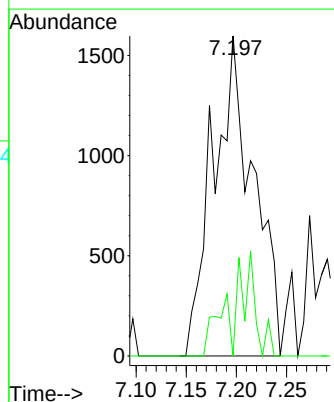
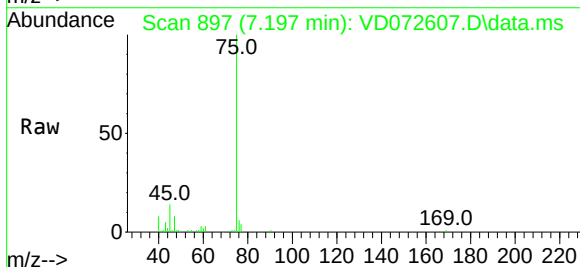
Ion	Ratio	Lower	Upper
84	100		
49	142.1	112.8	169.2
51	38.5	32.6	48.8
86	80.9	47.9	71.9

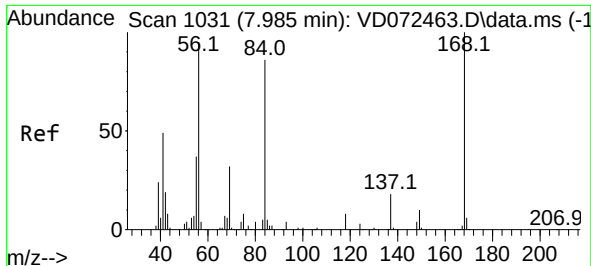


#25
2-Butanone
Concen: 3.507 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Tgt Ion: 43 Resp: 4463

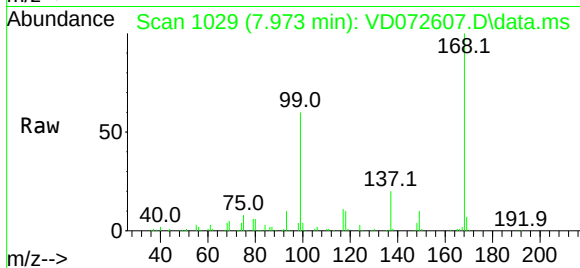
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8



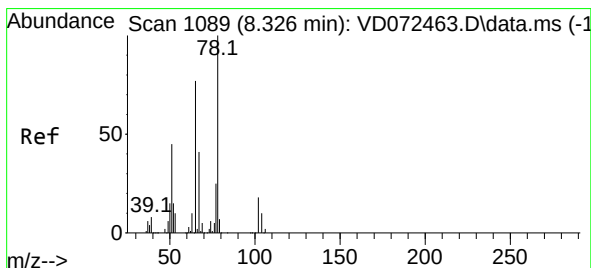
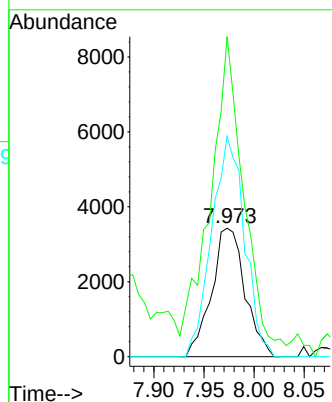
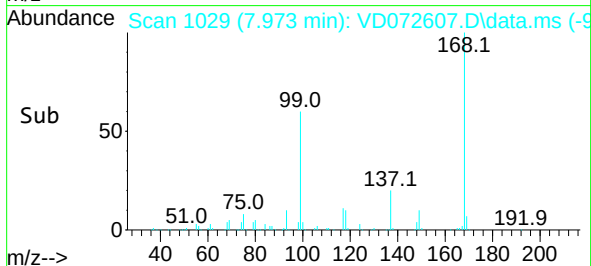


#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Instrument :
MSVOA_D
ClientSampleId :
SB-8

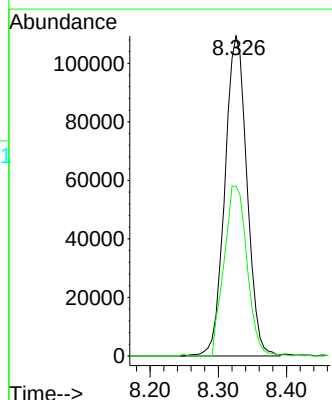
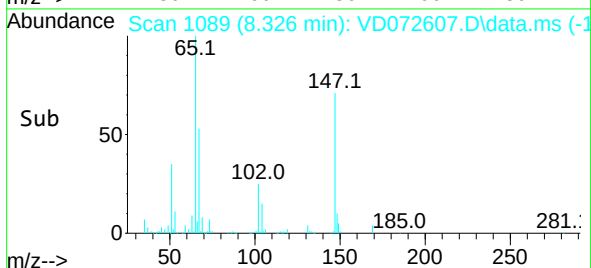
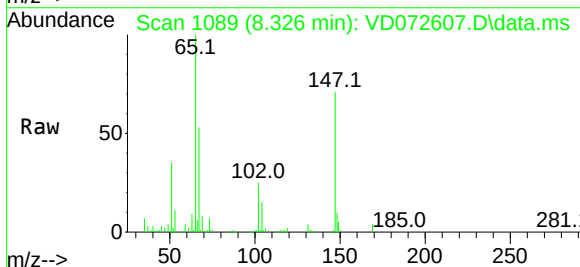


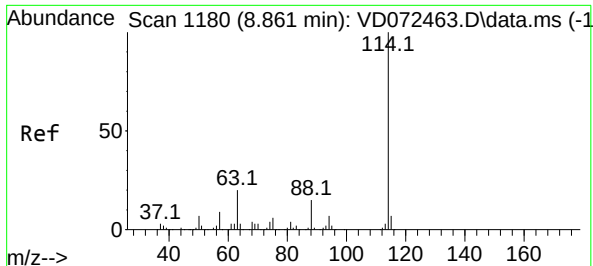
Tgt Ion: 56 Resp: 7955
Ion Ratio Lower Upper
56 100
69 235.3 25.4 38.2#
84 171.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 49.917 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Tgt Ion: 65 Resp: 246335
Ion Ratio Lower Upper
65 100
67 55.4 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: VD072607.D

Acq: 18 Apr 2022 19:44

Instrument :

MSVOA_D

ClientSampleId :

SB-8

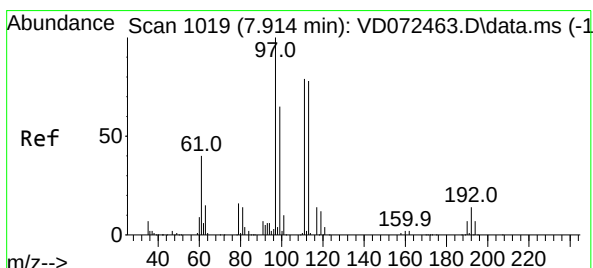
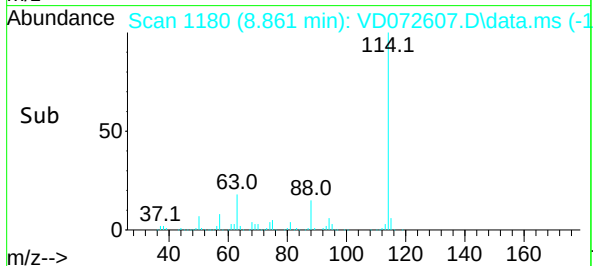
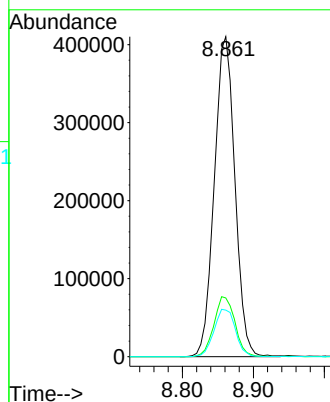
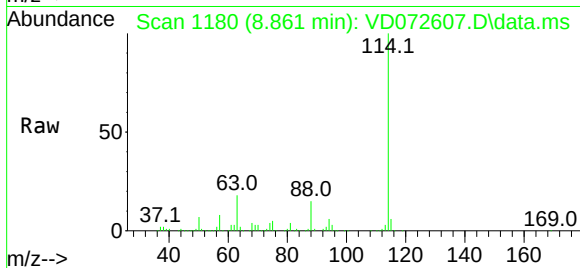
Tgt Ion:114 Resp: 824501

Ion Ratio Lower Upper

114 100

63 18.4 0.0 46.6

88 14.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 41.427 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072607.D

Acq: 18 Apr 2022 19:44

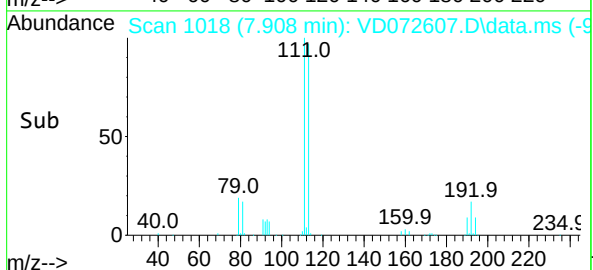
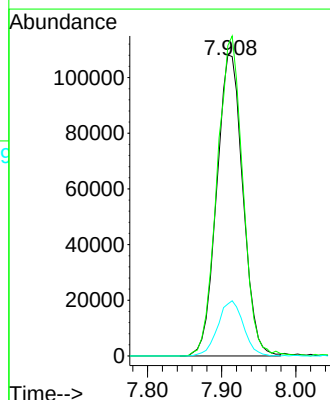
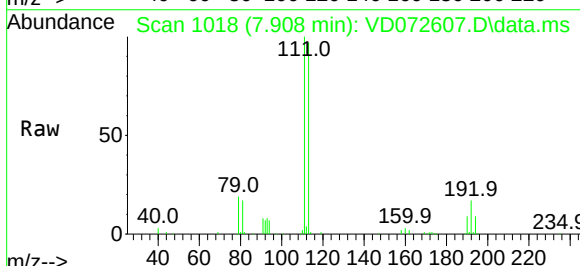
Tgt Ion:113 Resp: 265444

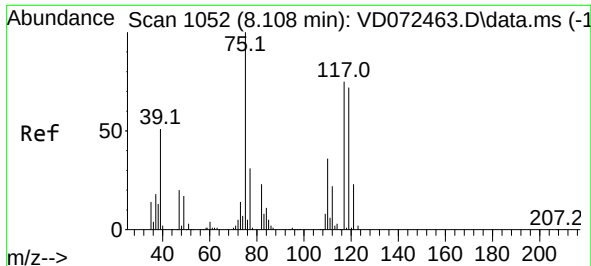
Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 17.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.093 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD072607.D

Acq: 18 Apr 2022 19:44

Instrument :

MSVOA_D

ClientSampleId :

SB-8

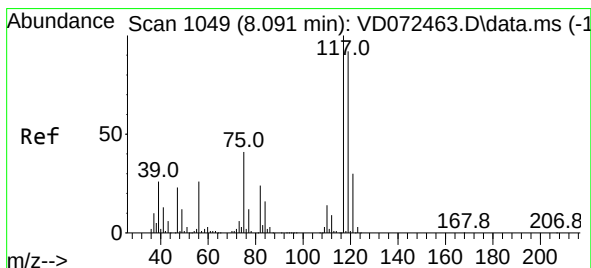
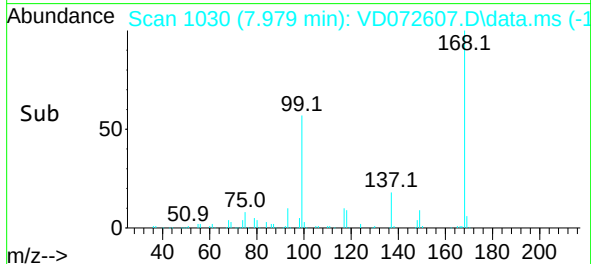
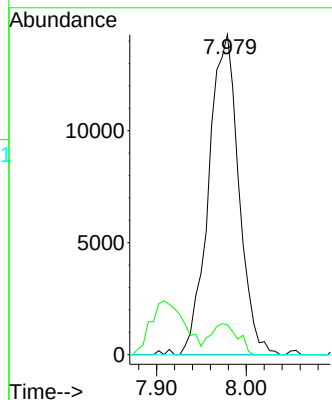
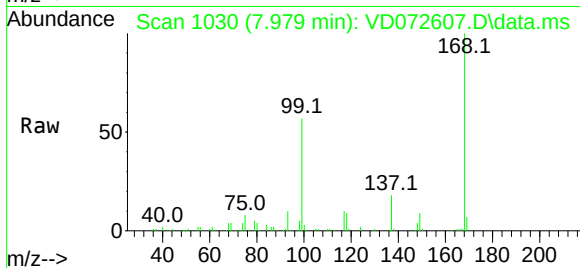
Tgt Ion: 75 Resp: 33243

Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.822 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072607.D

Acq: 18 Apr 2022 19:44

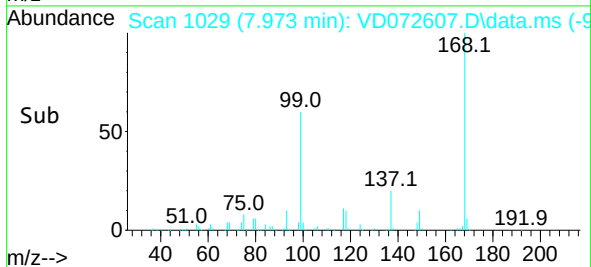
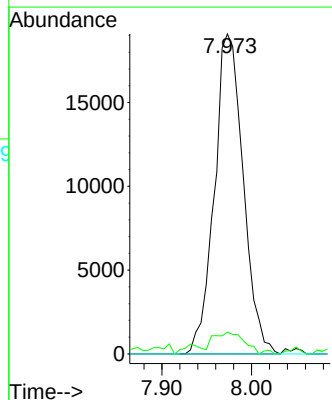
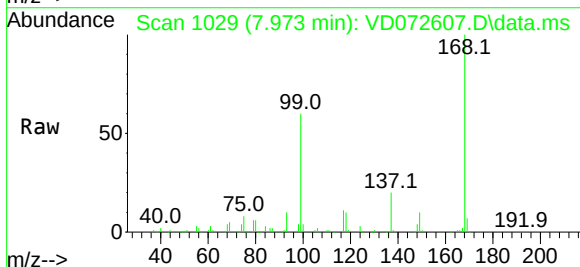
Tgt Ion: 117 Resp: 42566

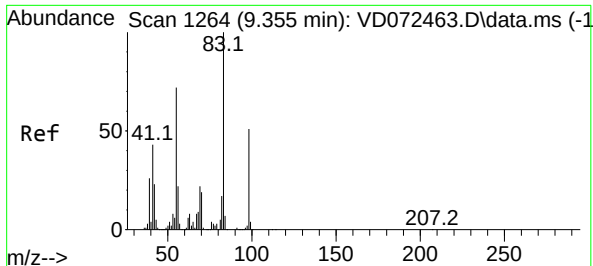
Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.904 ug/l

RT: 9.349 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072607.D

Acq: 18 Apr 2022 19:44

Instrument :

MSVOA_D

ClientSampleId :

SB-8

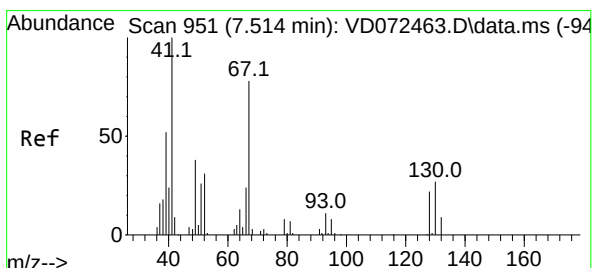
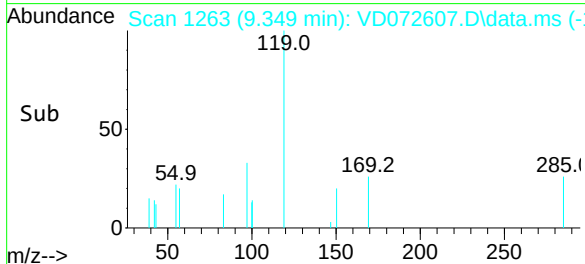
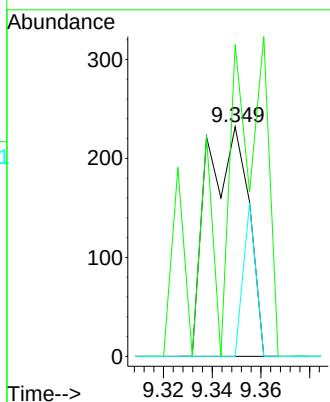
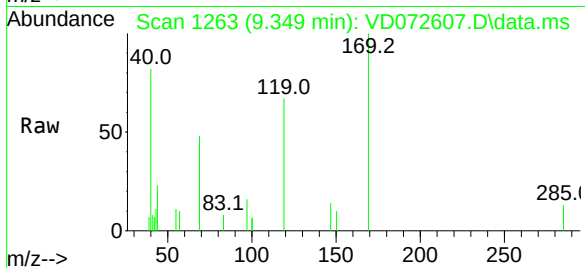
Tgt Ion: 83 Resp: 272

Ion Ratio Lower Upper

83 100

55 135.8 63.2 94.8#

98 0.0 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.758 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.053 min

Lab File: VD072607.D

Acq: 18 Apr 2022 19:44

Tgt Ion: 41 Resp: 204

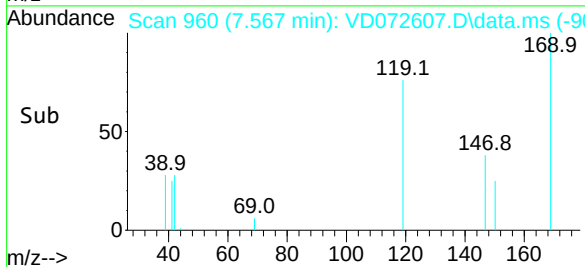
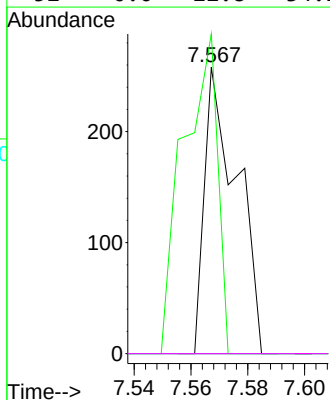
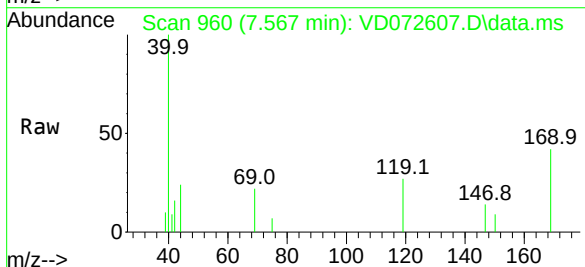
Ion Ratio Lower Upper

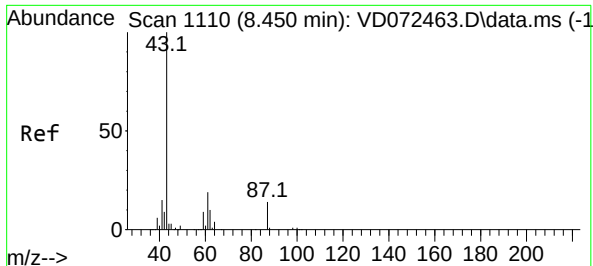
41 100

39 117.6 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

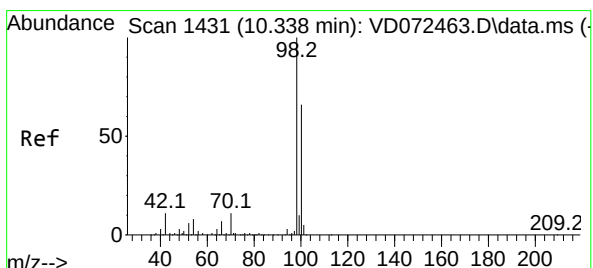
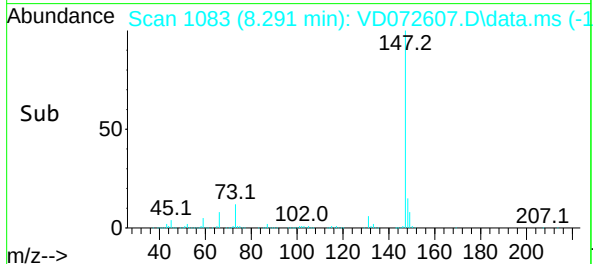
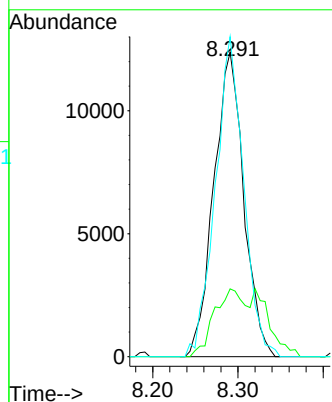
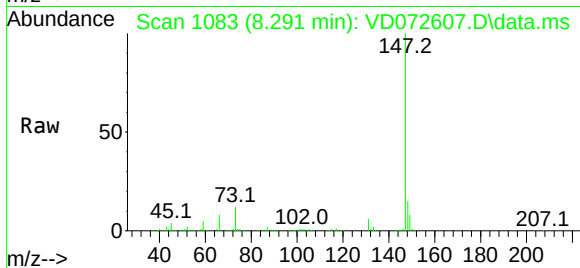




#43
Isopropyl Acetate
Concen: 4.634 ug/l
RT: 8.291 min Scan# 1083
Delta R.T. -0.159 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

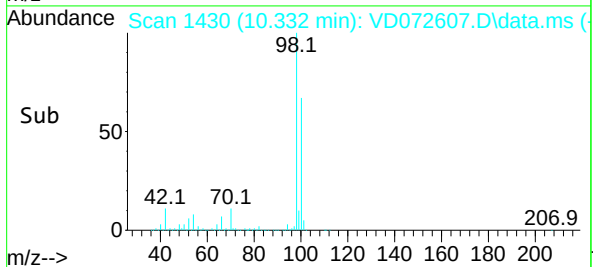
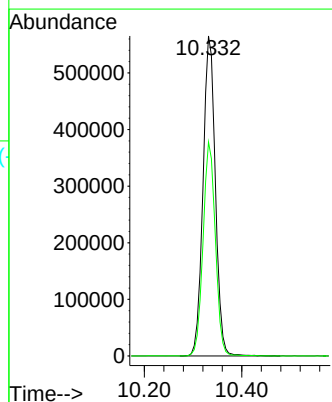
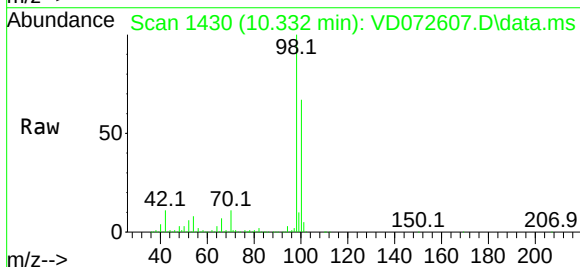
Instrument :
MSVOA_D
ClientSampleId :
SB-8

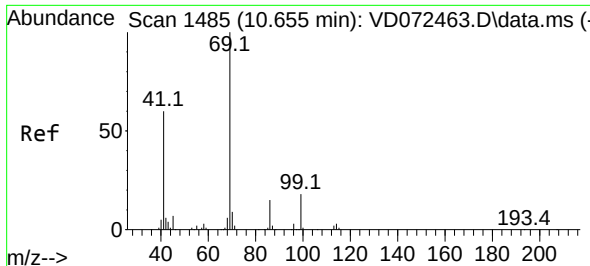
Tgt Ion: 43 Resp: 30178
Ion Ratio Lower Upper
43 100
61 24.2 22.4 33.6
87 99.4 8.7 13.1#



#50
Toluene-d8
Concen: 44.743 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Tgt Ion: 98 Resp: 996555
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6

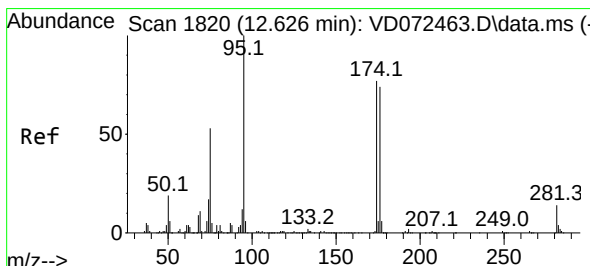
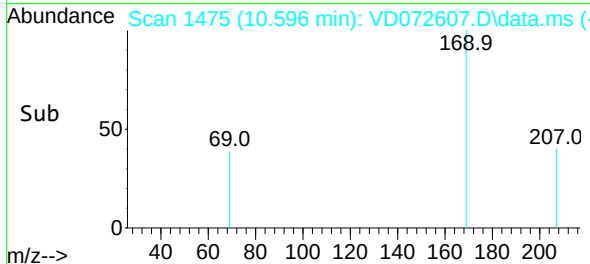
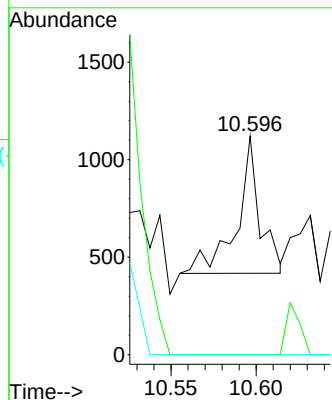
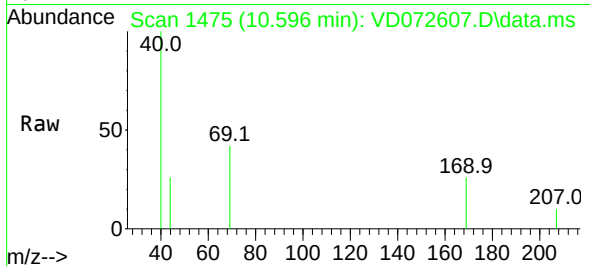




#56
Ethyl methacrylate
Concen: 1.297 ug/l
RT: 10.596 min Scan# 1485
Delta R.T. -0.059 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

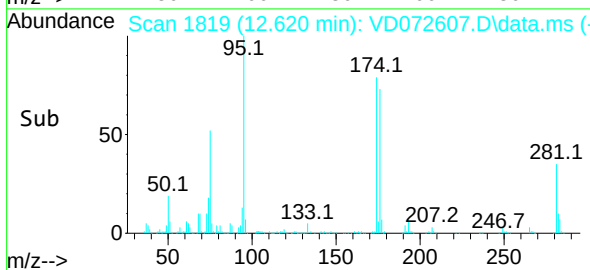
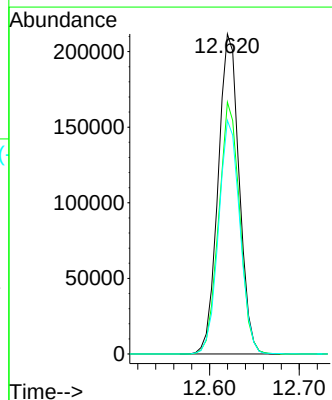
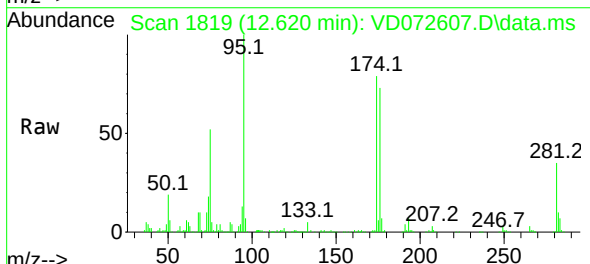
Instrument :
MSVOA_D
ClientSampleId :
SB-8

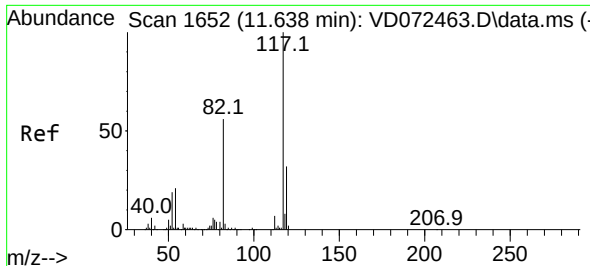
Tgt Ion: 69 Resp: 661
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 39.631 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Tgt Ion: 95 Resp: 344734
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.8
176 73.8 0.0 145.4

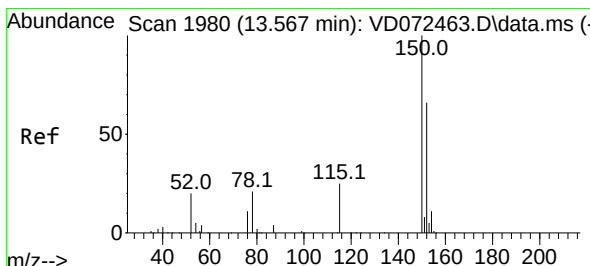
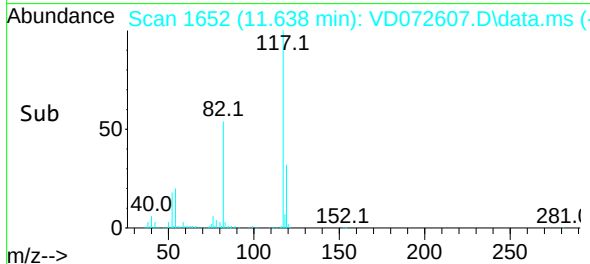
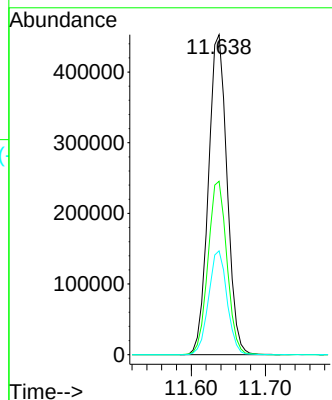
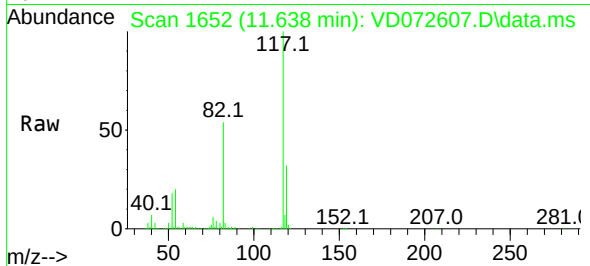




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

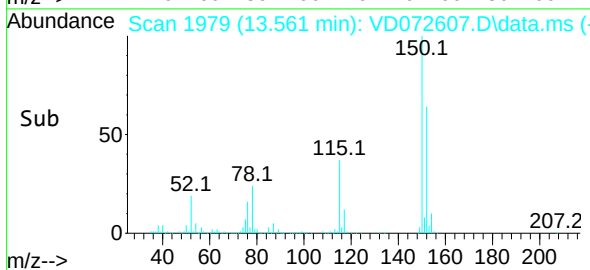
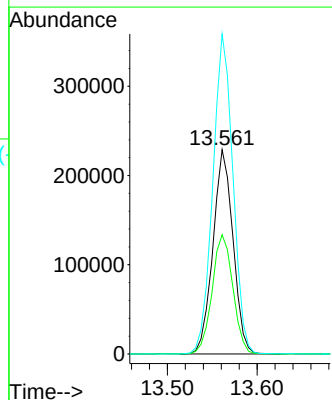
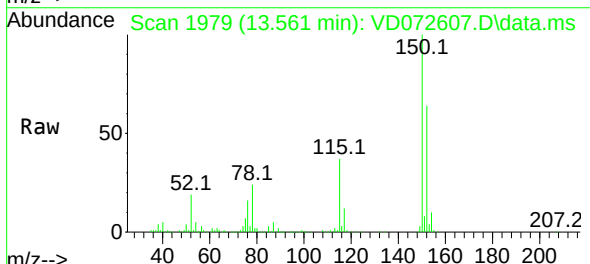
Instrument :
MSVOA_D
ClientSampleId :
SB-8

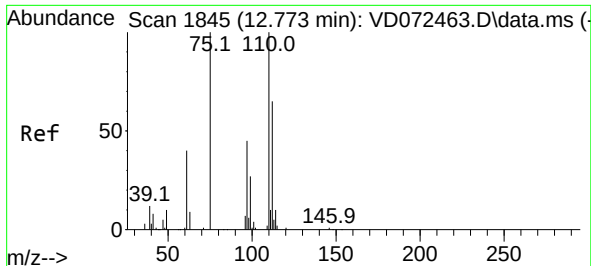
Tgt Ion:117 Resp: 791460
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 32.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Tgt Ion:152 Resp: 355956
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 156.9 0.0 348.6

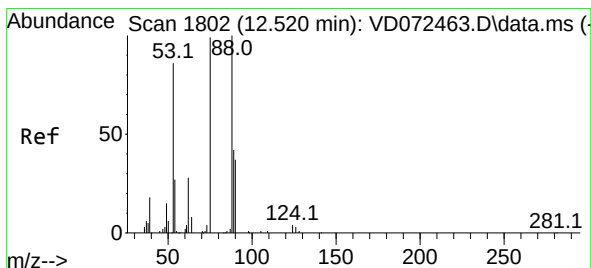
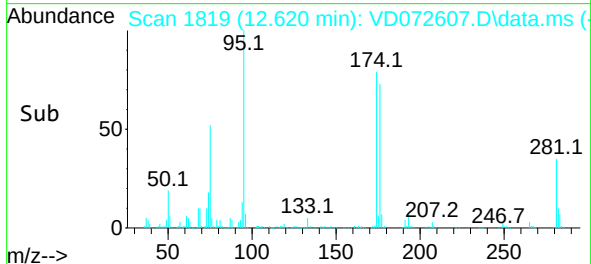
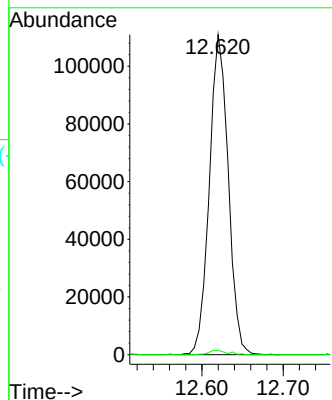
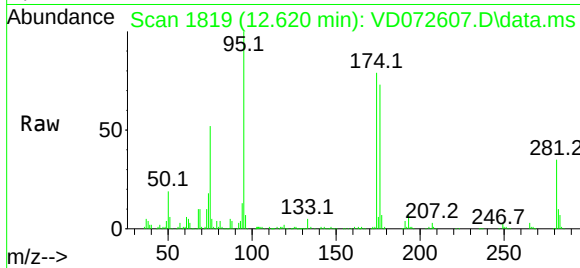




#76
1,2,3-Trichloropropane
Concen: 46.152 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Instrument :
MSVOA_D
ClientSampleId :
SB-8

Tgt Ion: 75 Resp: 179174
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.248 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072607.D
Acq: 18 Apr 2022 19:44

Tgt Ion: 75 Resp: 179174
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.9 33.9 50.9#

