

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072604.D
 Acq On : 18 Apr 2022 18:19
 Operator : VA/SY
 Sample : N2444-06
 Misc : 5.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5

Quant Time: Apr 19 02:52:16 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

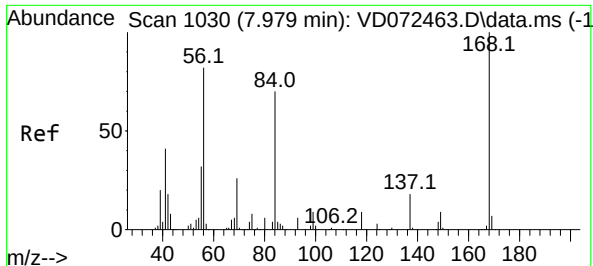
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	336061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	675569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	654834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	296298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207707	51.093	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.180%	
35) Dibromofluoromethane	7.909	113	218881	41.691	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.380%	
50) Toluene-d8	10.332	98	800777	43.879	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 87.760%	
62) 4-Bromofluorobenzene	12.620	95	284157	39.869	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.740%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	822	3.942	ug/l #	46
11) Tert butyl alcohol	5.185	59	10409	48.485	ug/l #	74
14) Allyl chloride	4.768	41	54	1.137	ug/l #	22
16) Acetone	4.162	43	27687	36.524	ug/l	94
17) Carbon Disulfide	4.409	76	2099	3.924	ug/l #	74
23) Vinyl Acetate	6.356	43	89	6.302	ug/l #	75
25) 2-Butanone	7.209	43	3205	3.057	ug/l	95
31) Cyclohexane	7.967	56	7940	1.494	ug/l #	3
36) 1,1-Dichloropropene	7.973	75	26493	4.984	ug/l #	53
38) Carbon Tetrachloride	7.979	117	35693	4.935	ug/l #	17
39) Methylcyclohexane	9.350	83	323	2.916	ug/l #	77
41) Methacrylonitrile	7.544	41	86	1.709	ug/l #	27
43) Isopropyl Acetate	8.279	43	9877	1.851	ug/l #	5
56) Ethyl methacrylate	10.661	69	1484	1.481	ug/l #	25
76) 1,2,3-Trichloropropane	12.620	75	146239	45.253	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	146239	111.041	ug/l #	7

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

Quant Time: Apr 19 02:52:16 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

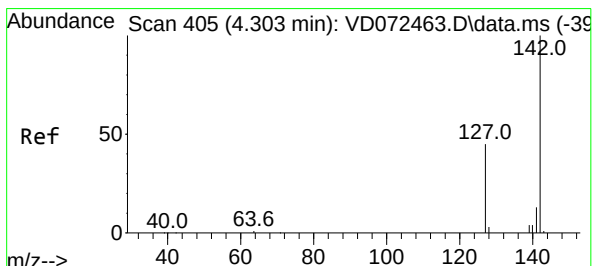
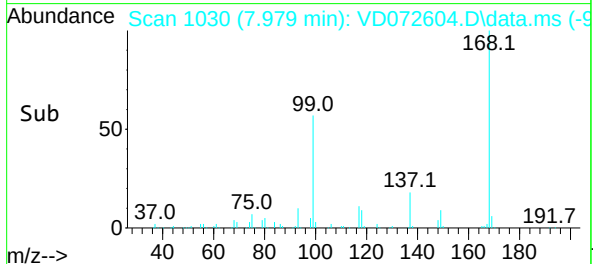
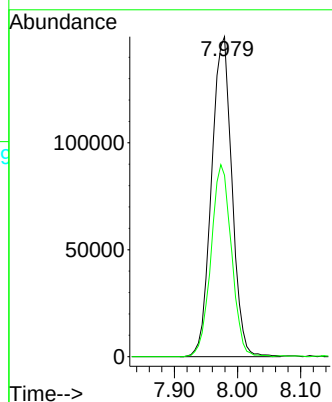
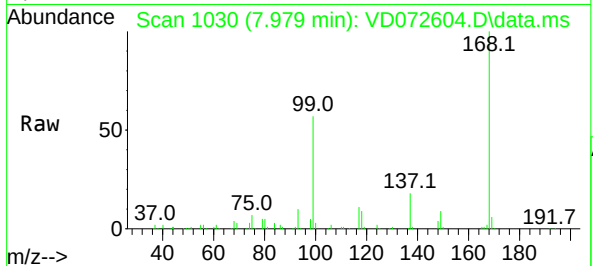




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

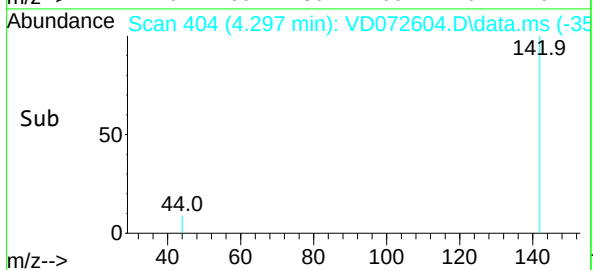
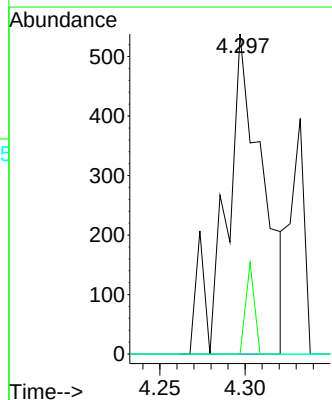
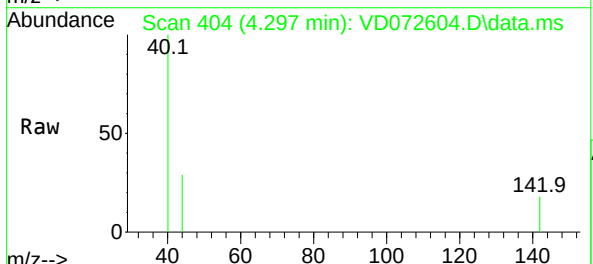
Instrument :
MSVOA_D
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SB-5

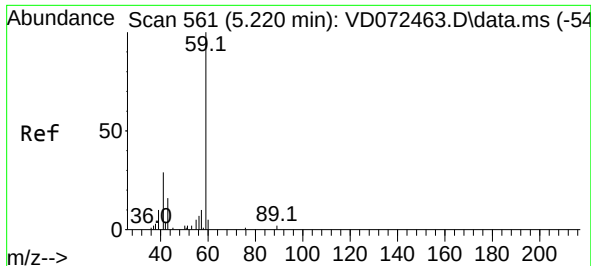
Tgt Ion:168 Resp: 336061
Ion Ratio Lower Upper
168 100
99 56.7 49.8 74.6



#10
Methyl Iodide
Concen: 3.942 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

Tgt Ion:142 Resp: 822
Ion Ratio Lower Upper
142 100
127 6.6 37.3 55.9#
141 0.0 11.7 17.5#

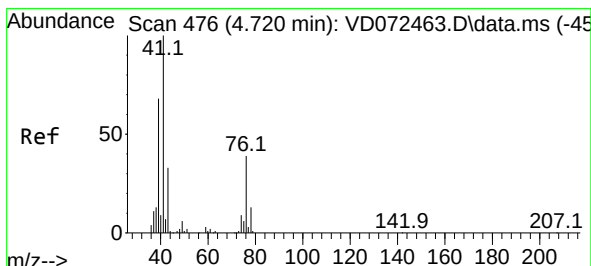
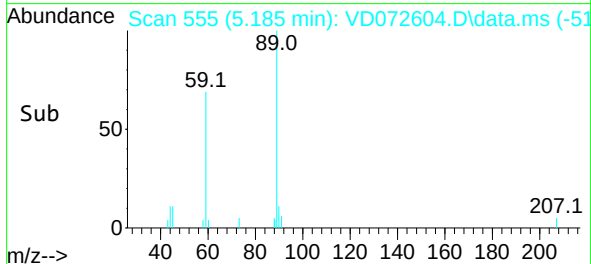
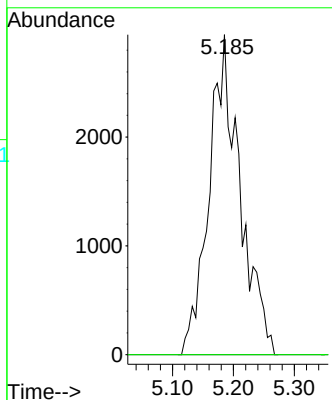
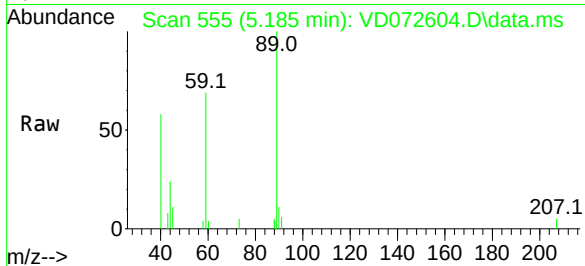




#11
Tert butyl alcohol
Concen: 48.485 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

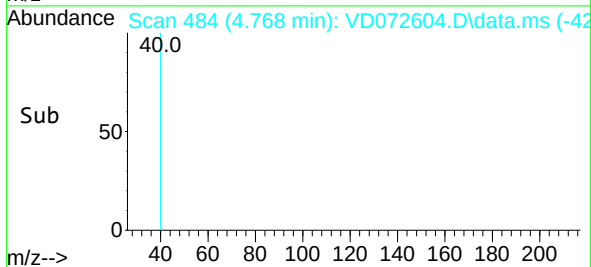
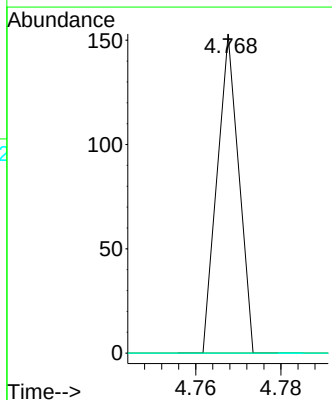
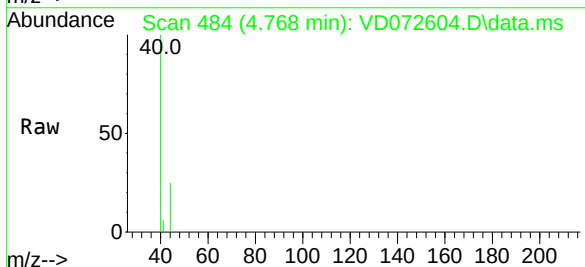
Instrument :
MSVOA_D
ClientSampleId :
SB-5

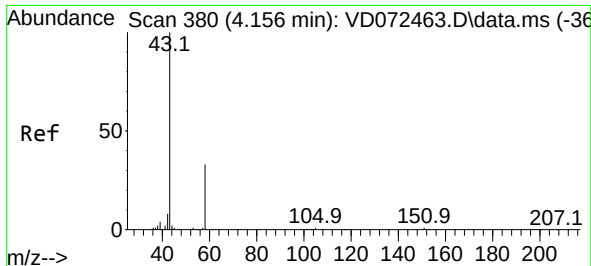
Tgt Ion: 59 Resp: 10409
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#14
Allyl chloride
Concen: 1.137 ug/l
RT: 4.768 min Scan# 484
Delta R.T. 0.048 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

Tgt Ion: 41 Resp: 54
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

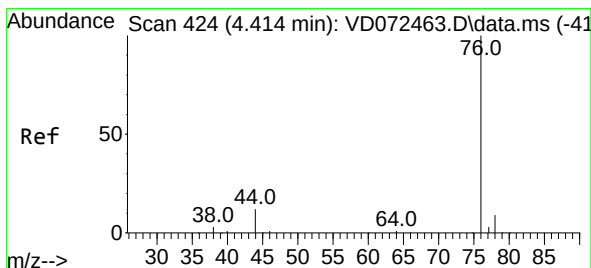
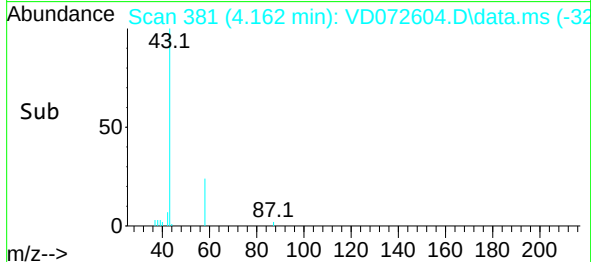
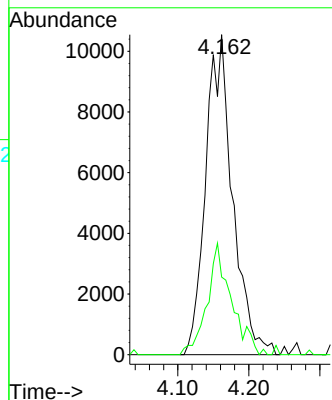
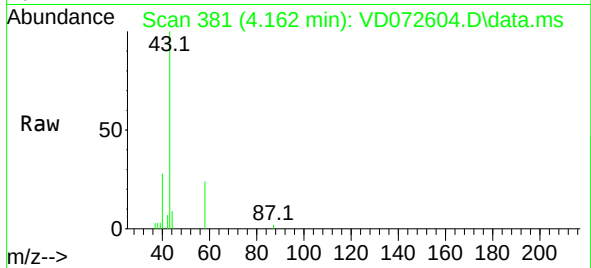




#16
Acetone
Concen: 36.524 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

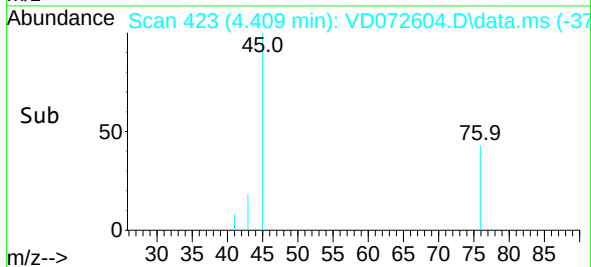
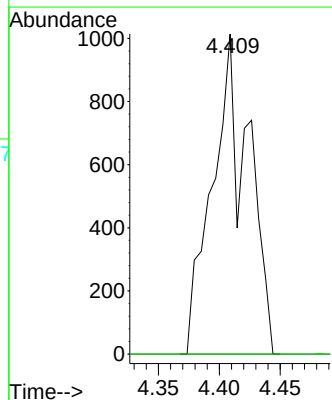
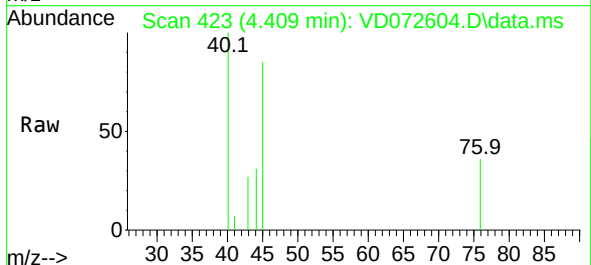
Instrument :
MSVOA_D
ClientSampleId :
SB-5

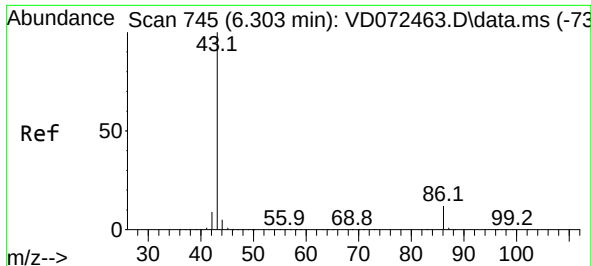
Tgt Ion: 43 Resp: 27687
Ion Ratio Lower Upper
43 100
58 24.3 22.1 33.1



#17
Carbon Disulfide
Concen: 3.924 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

Tgt Ion: 76 Resp: 2099
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

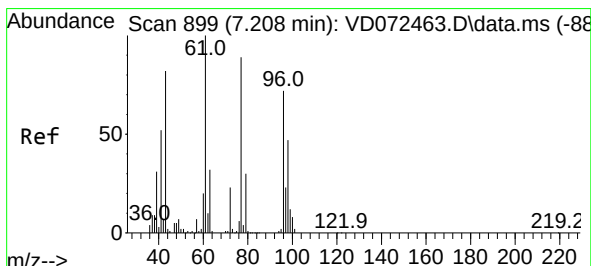
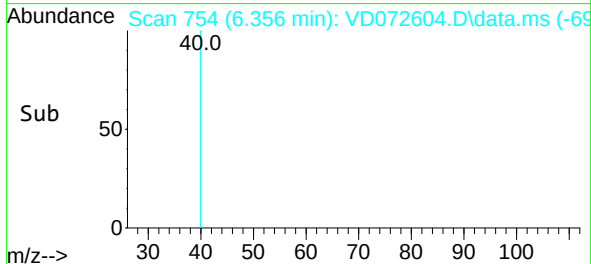
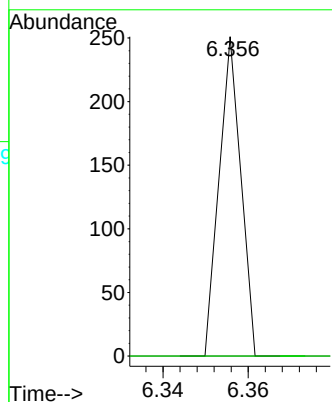
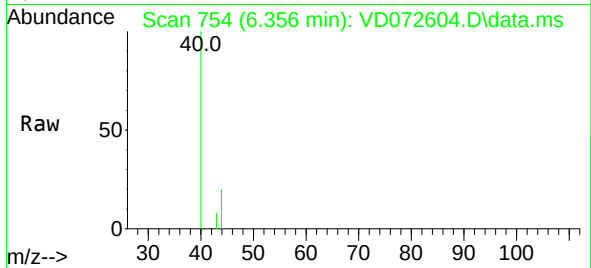




#23
 Vinyl Acetate
 Concen: 6.302 ug/l
 RT: 6.356 min Scan# 71
 Delta R.T. 0.053 min
 Lab File: VD072604.D
 Acq: 18 Apr 2022 18:19

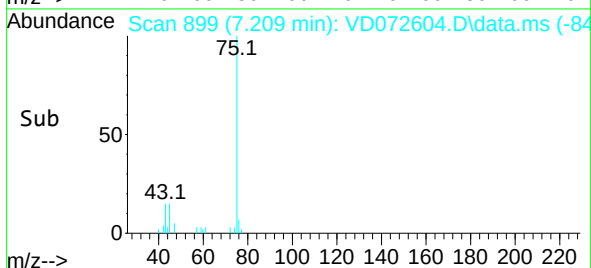
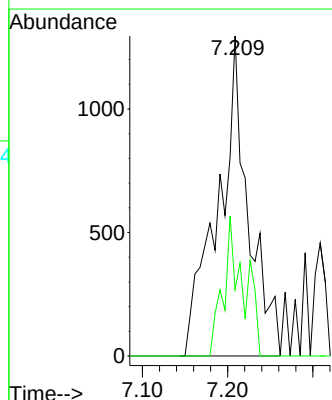
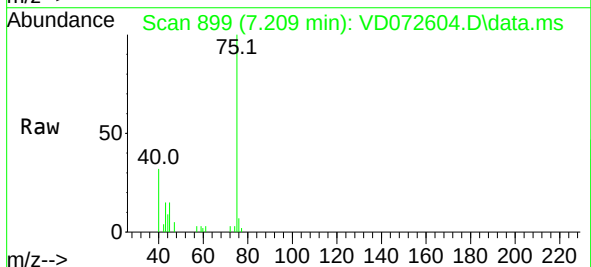
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5

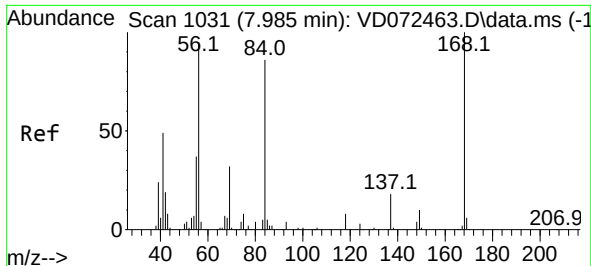
Tgt Ion: 43 Resp: 89
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 3.057 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. 0.000 min
 Lab File: VD072604.D
 Acq: 18 Apr 2022 18:19

Tgt Ion: 43 Resp: 3205
 Ion Ratio Lower Upper
 43 100
 72 20.8 18.6 27.8

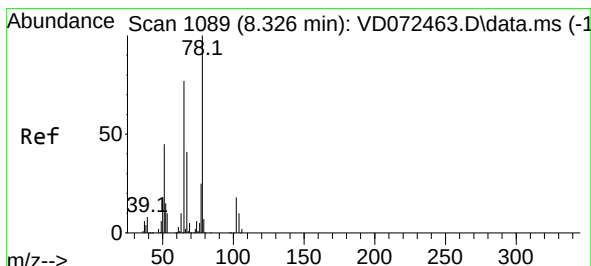
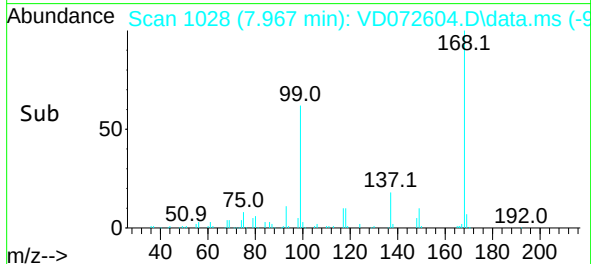
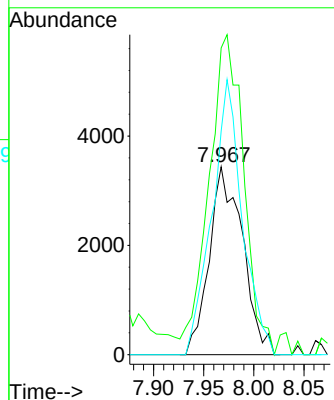
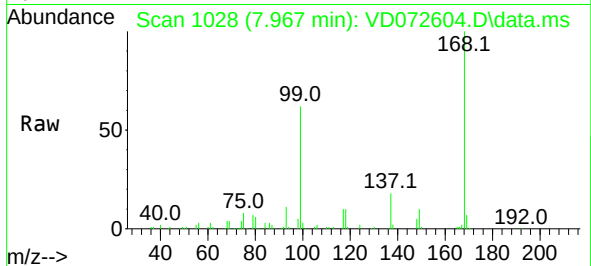




#31
Cyclohexane
Concen: 1.494 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.017 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

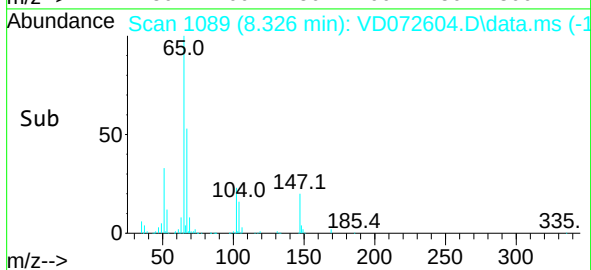
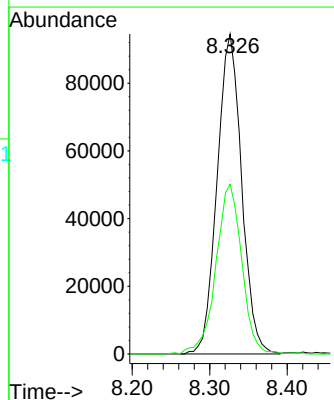
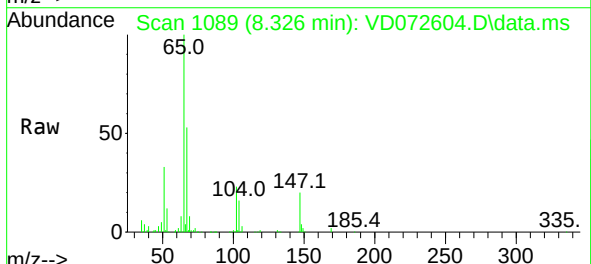
Instrument :
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ClientSampleId :
SB-5

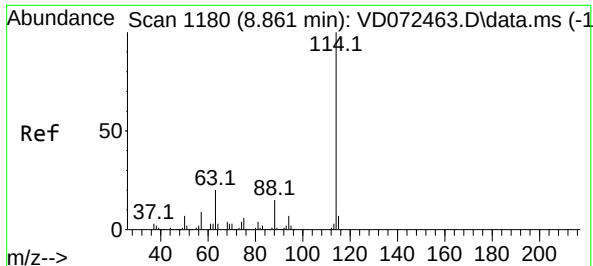
Tgt Ion: 56 Resp: 7940
Ion Ratio Lower Upper
56 100
69 154.9 25.4 38.2#
84 119.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 51.093 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

Tgt Ion: 65 Resp: 207707
Ion Ratio Lower Upper
65 100
67 55.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072604.D

Acq: 18 Apr 2022 18:19

Instrument :

MSVOA_D

ClientSampleId :

SB-5

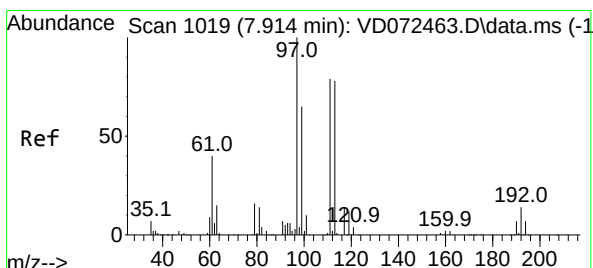
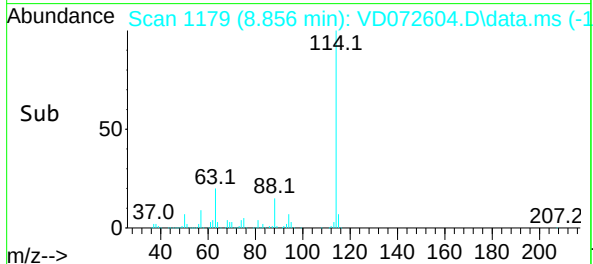
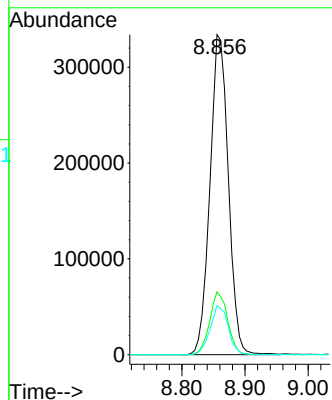
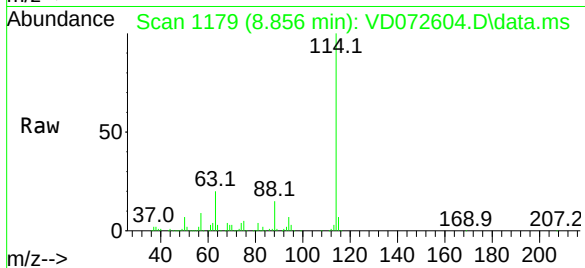
Tgt Ion:114 Resp: 675569

Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 41.691 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072604.D

Acq: 18 Apr 2022 18:19

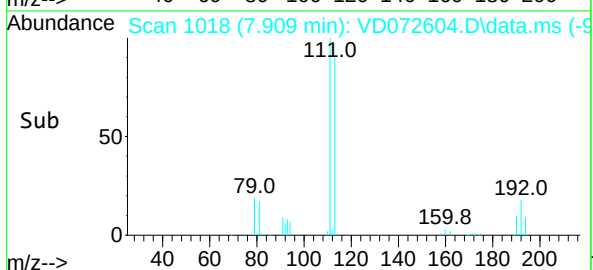
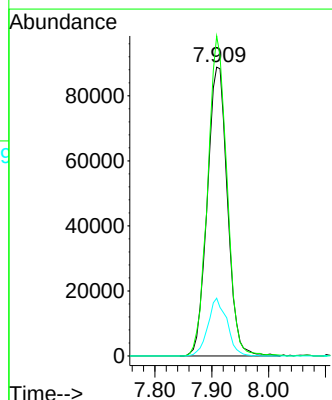
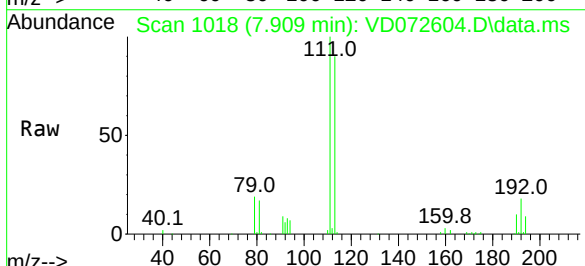
Tgt Ion:113 Resp: 218881

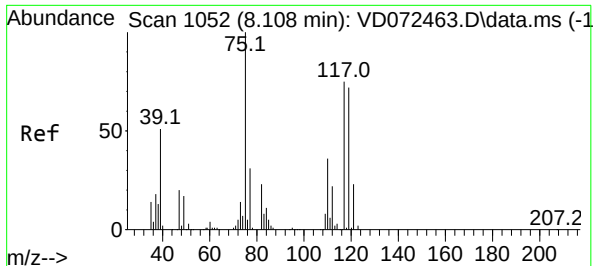
Ion Ratio Lower Upper

113 100

111 105.7 83.8 125.6

192 19.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.984 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072604.D

Acq: 18 Apr 2022 18:19

Instrument :

MSVOA_D

ClientSampleId :

SB-5

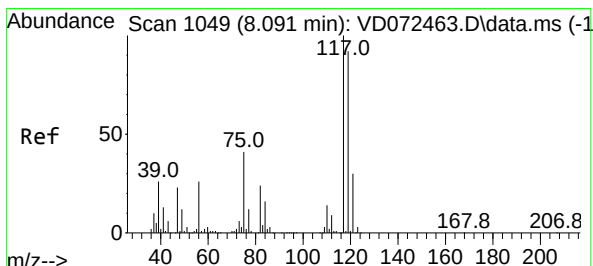
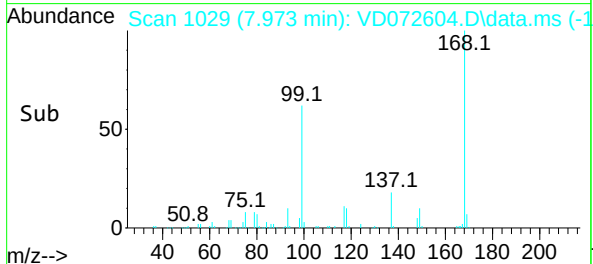
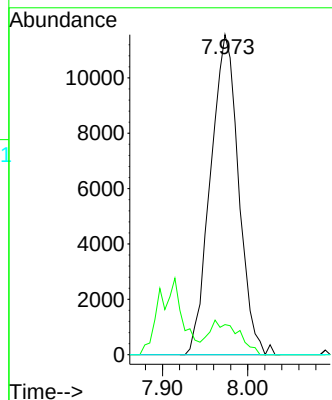
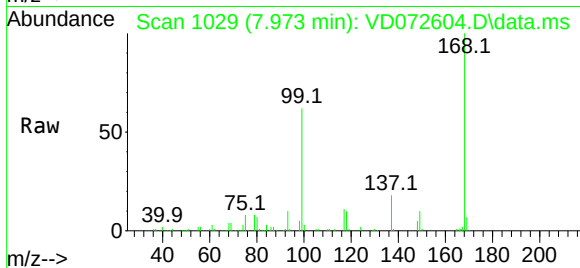
Tgt Ion: 75 Resp: 26493

Ion Ratio Lower Upper

75 100

110 11.2 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.935 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072604.D

Acq: 18 Apr 2022 18:19

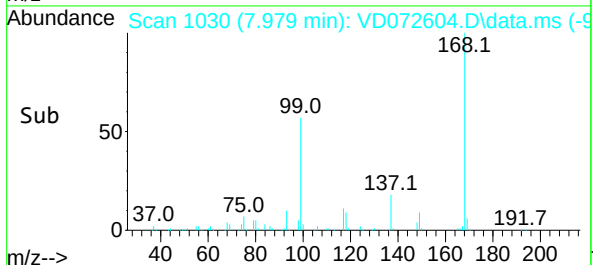
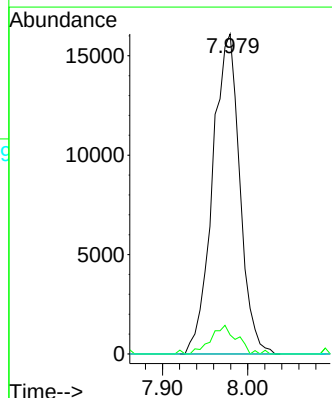
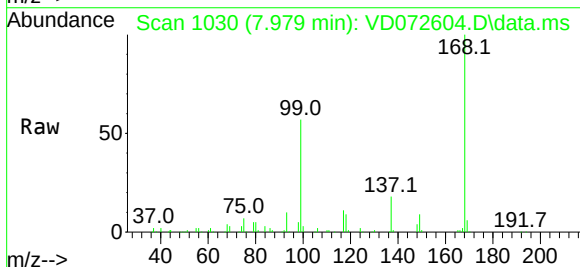
Tgt Ion: 117 Resp: 35693

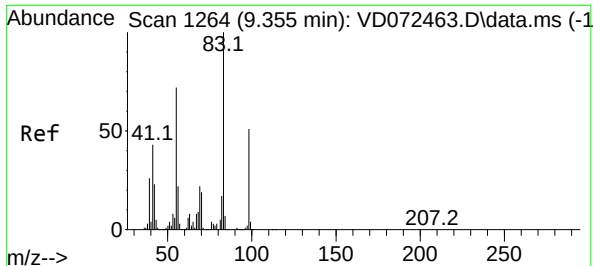
Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.916 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072604.D

Acq: 18 Apr 2022 18:19

Instrument :

MSVOA_D

ClientSampleId :

SB-5

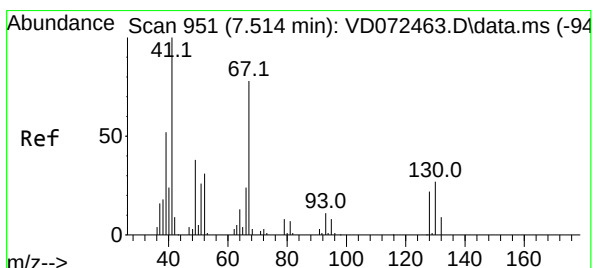
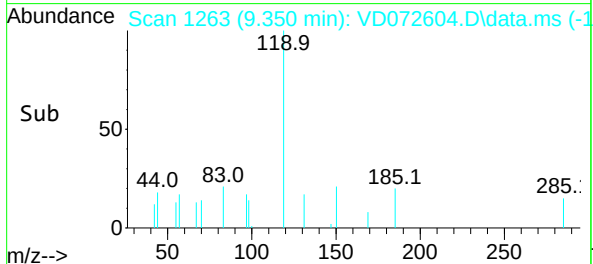
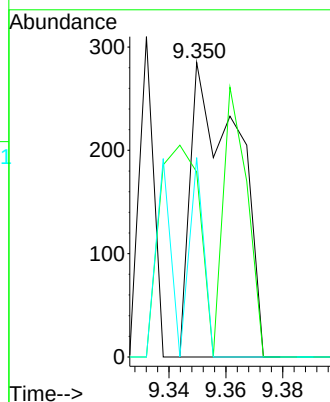
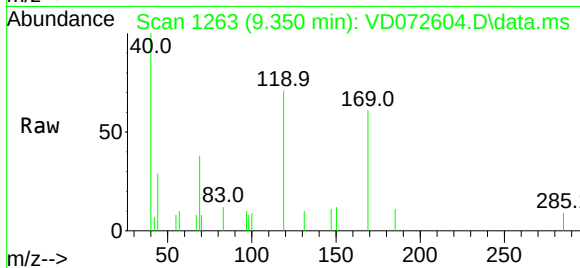
Tgt Ion: 83 Resp: 323

Ion Ratio Lower Upper

83 100

55 62.8 63.2 94.8#

98 67.7 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.709 ug/l

RT: 7.544 min Scan# 956

Delta R.T. 0.030 min

Lab File: VD072604.D

Acq: 18 Apr 2022 18:19

Tgt Ion: 41 Resp: 86

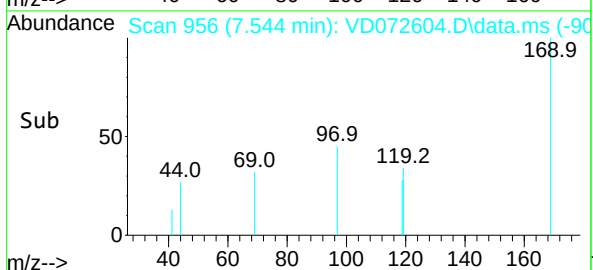
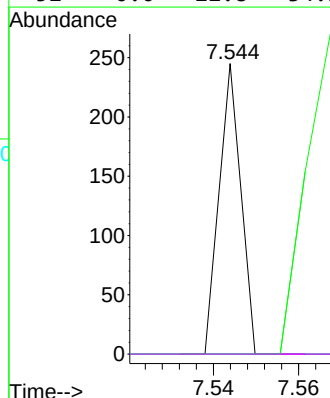
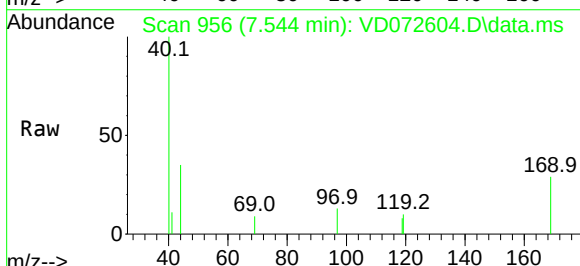
Ion Ratio Lower Upper

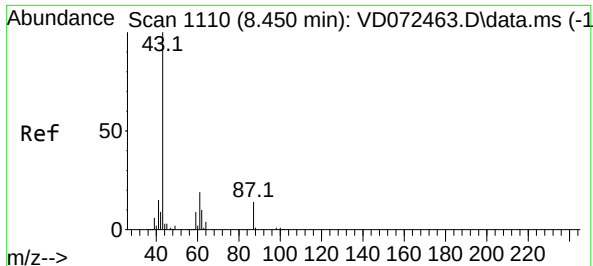
41 100

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: 1.851 ug/l

RT: 8.279 min Scan# 1081

Delta R.T. -0.170 min

Lab File: VD072604.D

Acq: 18 Apr 2022 18:19

Instrument :

MSVOA_D

ClientSampleId :

SB-5

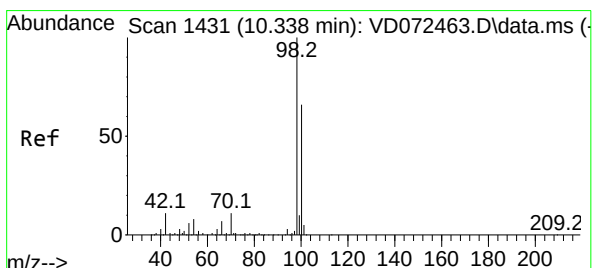
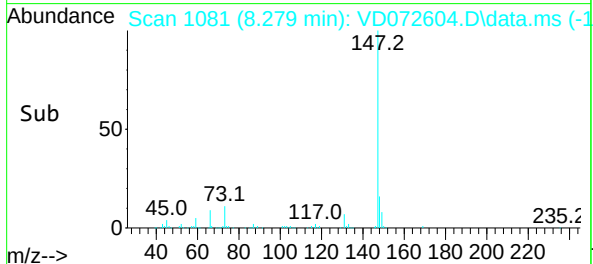
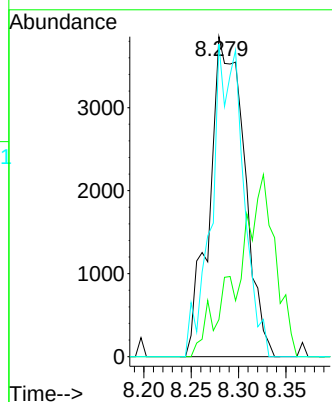
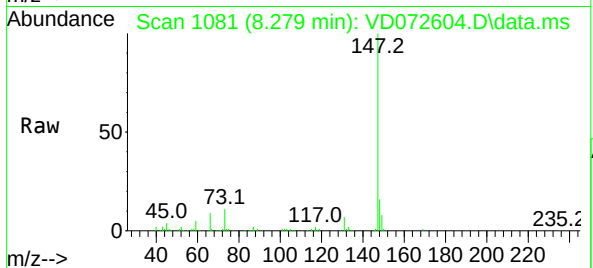
Tgt Ion: 43 Resp: 9877

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 88.1 8.7 13.1#



#50

Toluene-d8

Concen: 43.879 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD072604.D

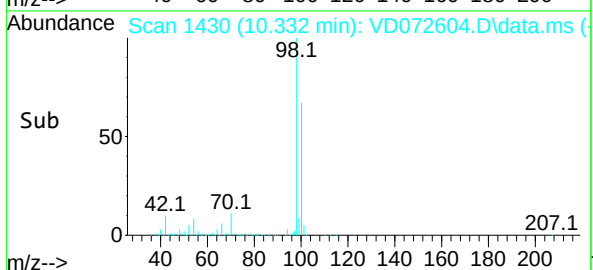
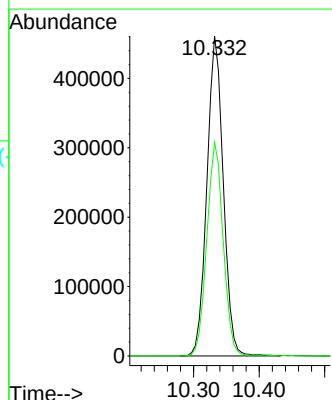
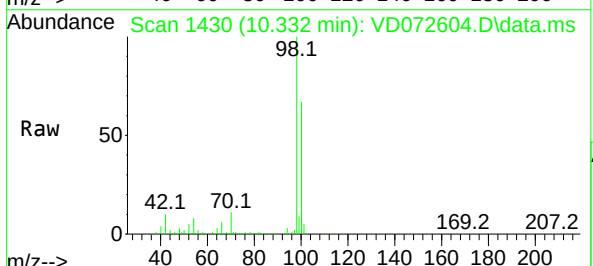
Acq: 18 Apr 2022 18:19

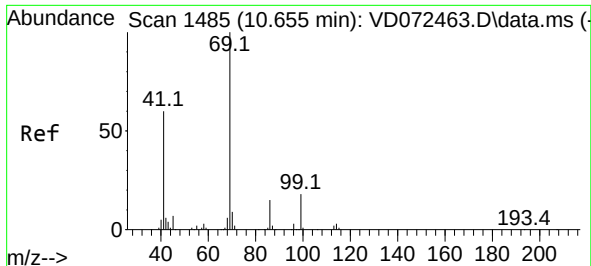
Tgt Ion: 98 Resp: 800777

Ion Ratio Lower Upper

98 100

100 67.0 52.4 78.6

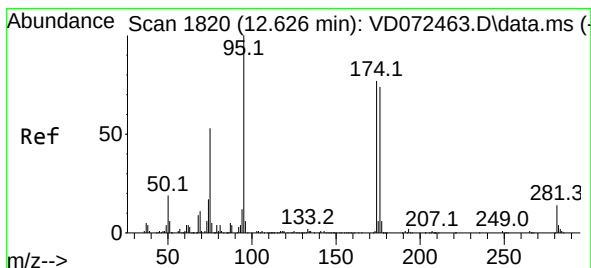
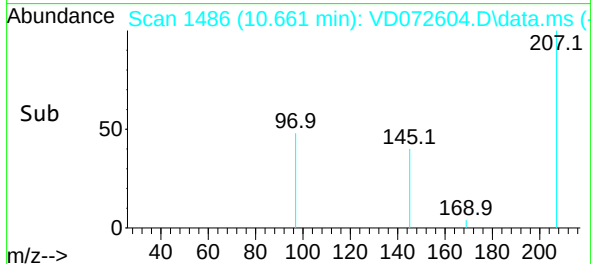
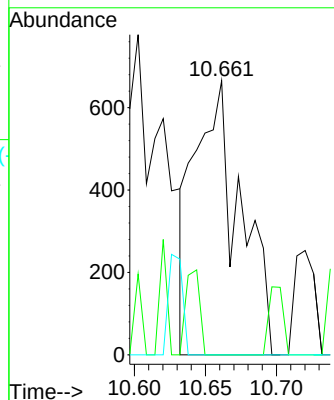
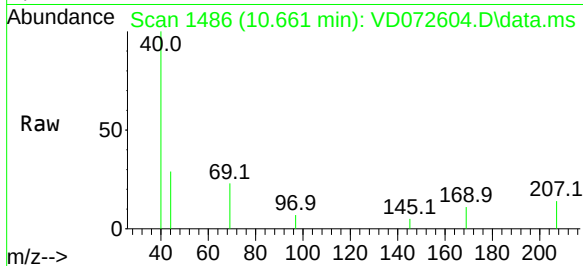




#56
Ethyl methacrylate
Concen: 1.481 ug/l
RT: 10.661 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

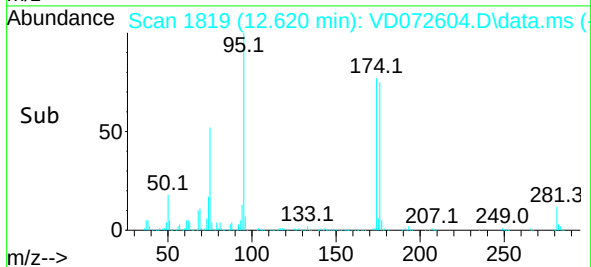
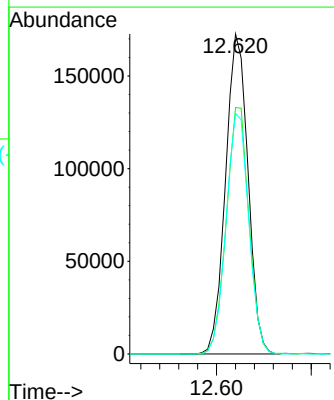
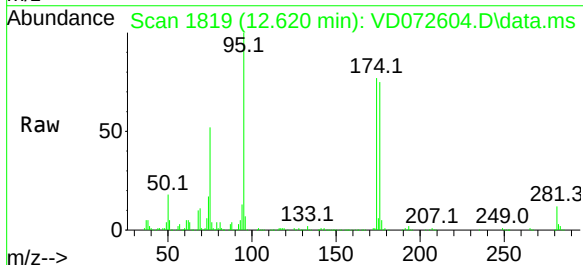
Instrument :
MSVOA_D
ClientSampleId :
SB-5

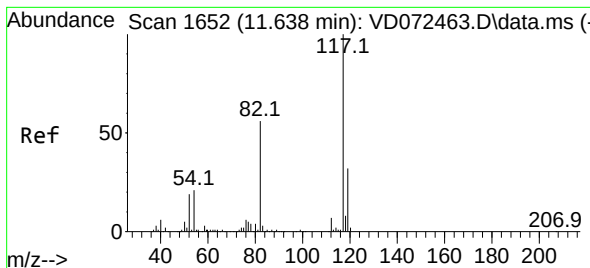
Tgt Ion: 69 Resp: 1484
Ion Ratio Lower Upper
69 100
41 9.5 63.0 94.6#
39 0.0 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 39.869 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

Tgt Ion: 95 Resp: 284157
Ion Ratio Lower Upper
95 100
174 77.9 0.0 152.8
176 76.2 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD072604.D

Acq: 18 Apr 2022 18:19

Instrument :

MSVOA_D

ClientSampleId :

SB-5

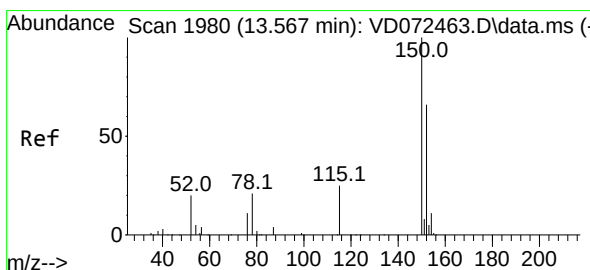
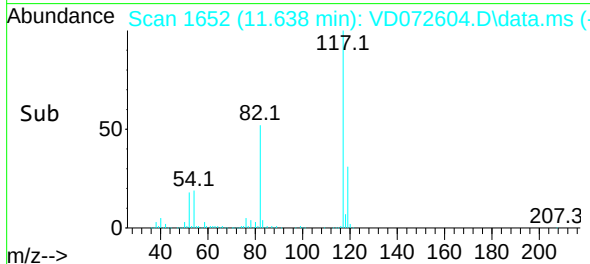
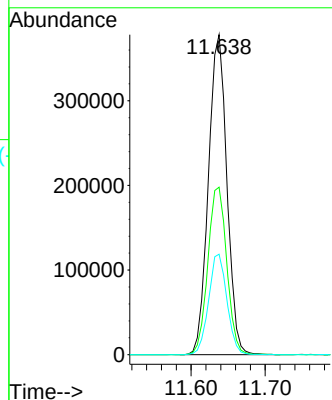
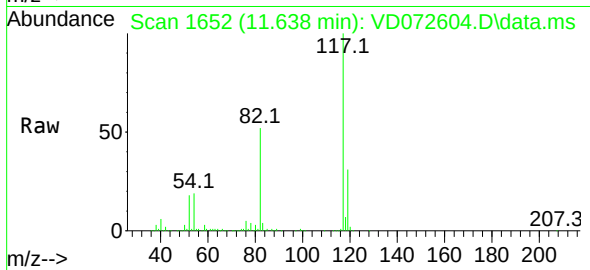
Tgt Ion:117 Resp: 654834

Ion Ratio Lower Upper

117 100

82 52.4 45.3 67.9

119 31.4 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: VD072604.D

Acq: 18 Apr 2022 18:19

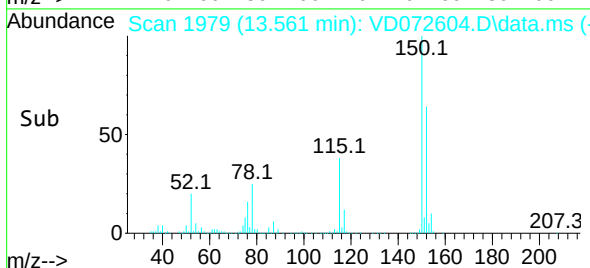
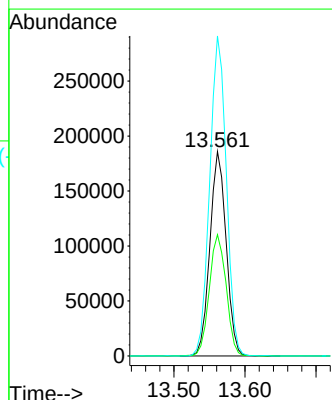
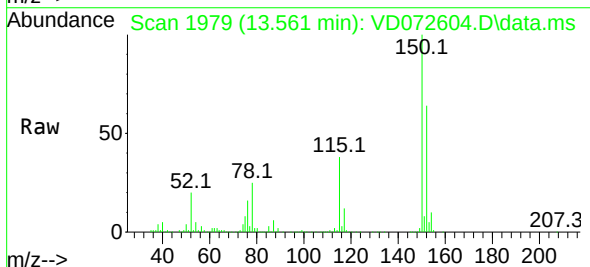
Tgt Ion:152 Resp: 296298

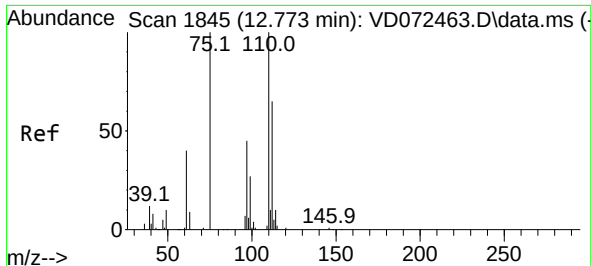
Ion Ratio Lower Upper

152 100

115 61.4 31.3 93.8

150 159.4 0.0 348.6

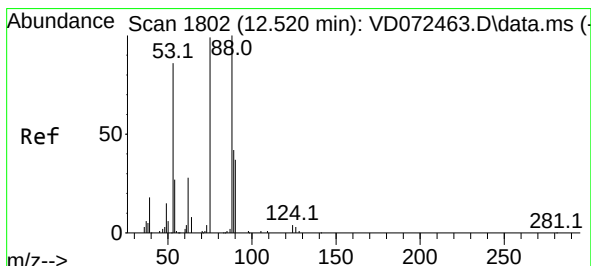
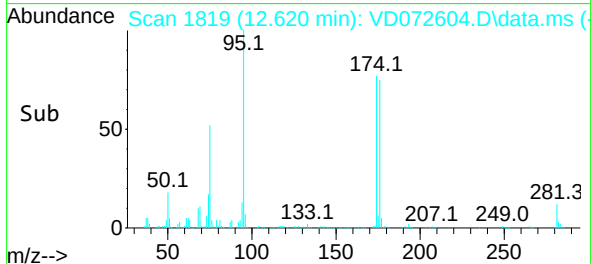
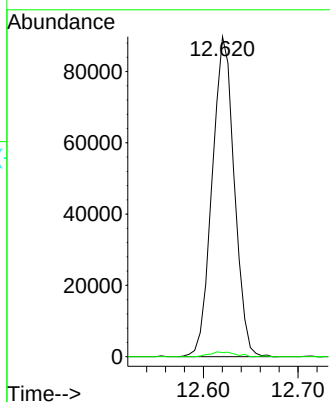
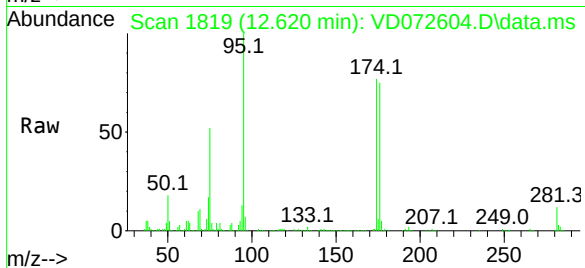




#76
1,2,3-Trichloropropane
Concen: 45.253 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

Instrument :
MSVOA_D
ClientSampleId :
SB-5

Tgt Ion: 75 Resp: 146239
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.041 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072604.D
Acq: 18 Apr 2022 18:19

Tgt Ion: 75 Resp: 146239
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.5 33.9 50.9#

