

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072600.D
 Acq On : 18 Apr 2022 16:26
 Operator : VA/SY
 Sample : N2444-01
 Misc : 4.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1

Quant Time: Apr 19 02:51:23 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)

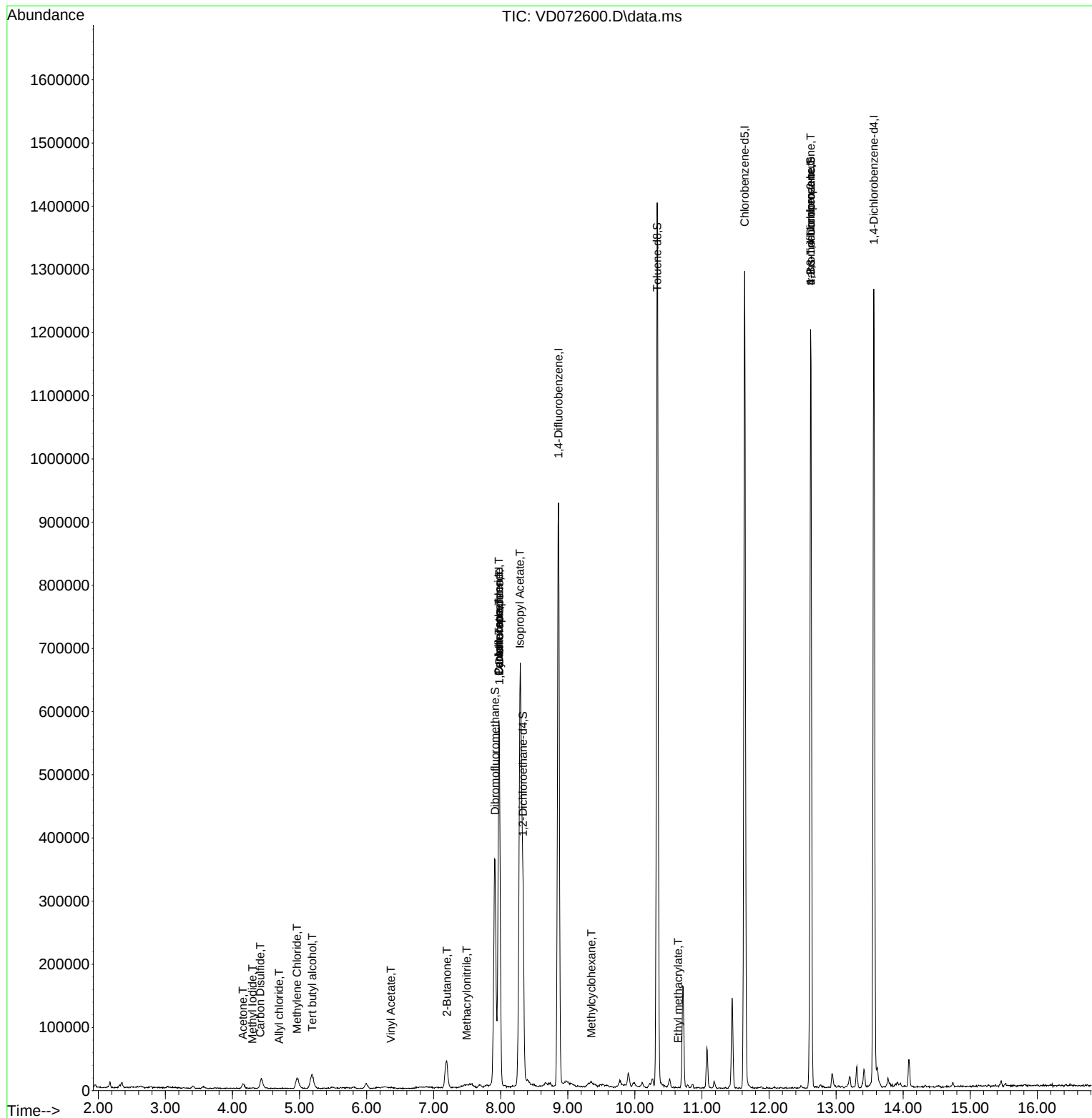
Internal Standards						
1) Pentafluorobenzene	7.973	168	416723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	817333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	767700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	342224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	240426	47.693	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.380%		
35) Dibromofluoromethane	7.914	113	266528	41.961	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.920%		
50) Toluene-d8	10.332	98	975985	44.204	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.400%		
62) 4-Bromofluorobenzene	12.620	95	337974	39.195	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.380%		
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	487	3.832	ug/l #	56
11) Tert butyl alcohol	5.191	59	21780	81.814	ug/l #	76
14) Allyl chloride	4.697	41	72	1.138	ug/l #	22
16) Acetone	4.156	43	13649	14.520	ug/l #	87
17) Carbon Disulfide	4.415	76	3140	3.985	ug/l #	74
20) Methylene Chloride	4.962	84	12903	2.306	ug/l #	77
23) Vinyl Acetate	6.361	43	58	6.296	ug/l #	75
25) 2-Butanone	7.197	43	3087	2.375	ug/l	99
31) Cyclohexane	7.973	56	8298	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	33421	5.149	ug/l #	52
38) Carbon Tetrachloride	7.973	117	45104	5.154	ug/l #	18
39) Methylcyclohexane	9.350	83	361	2.913	ug/l #	54
41) Methacrylonitrile	7.491	41	64	1.690	ug/l #	27
43) Isopropyl Acetate	8.285	43	13520	2.094	ug/l #	1
56) Ethyl methacrylate	10.644	69	220	1.226	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	167910	44.986	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	167910	110.387	ug/l #	7

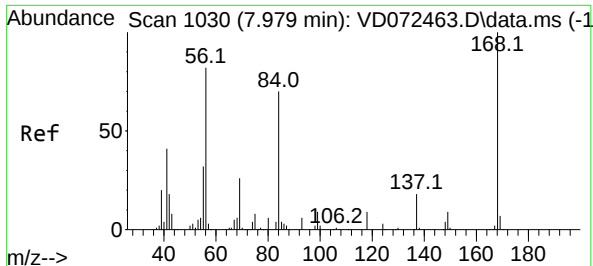
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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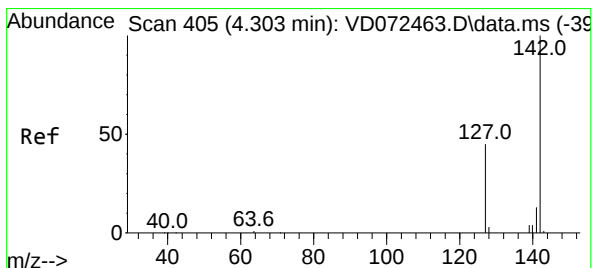
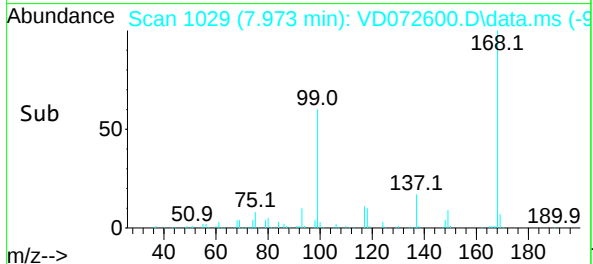
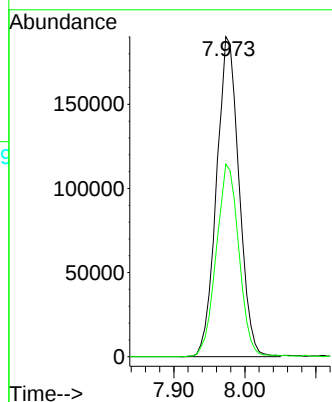
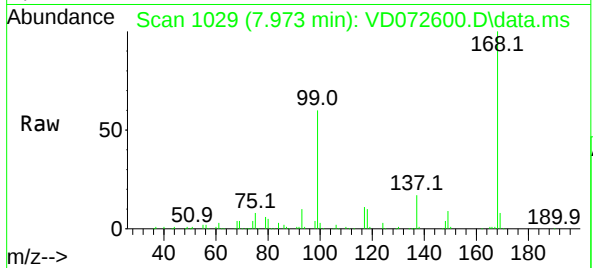




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

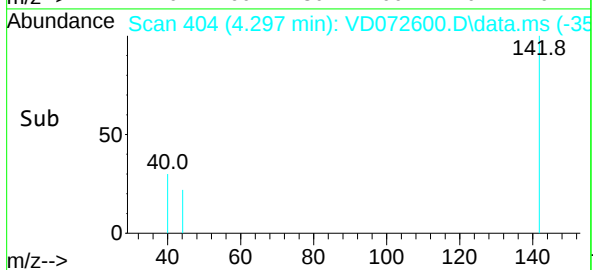
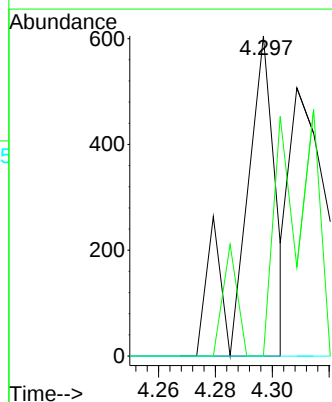
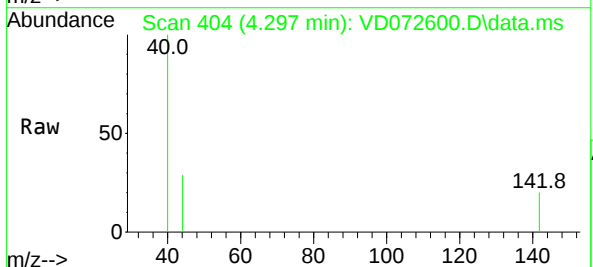
Instrument :
MSVOA_D
ClientSampleId :
SB-1

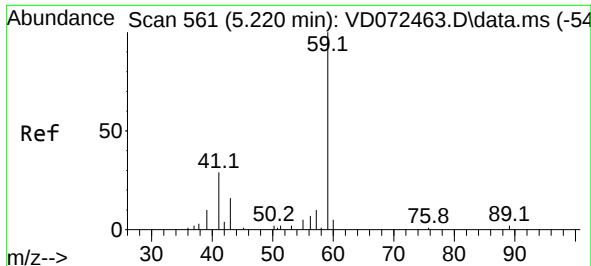
Tgt Ion:168 Resp: 416723
Ion Ratio Lower Upper
168 100
99 60.2 49.8 74.6



#10
Methyl Iodide
Concen: 3.832 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

Tgt Ion:142 Resp: 487
Ion Ratio Lower Upper
142 100
127 15.2 37.3 55.9#
141 0.0 11.7 17.5#

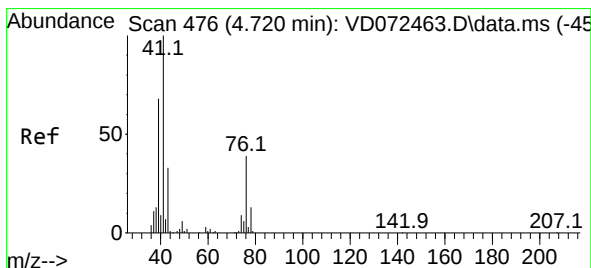
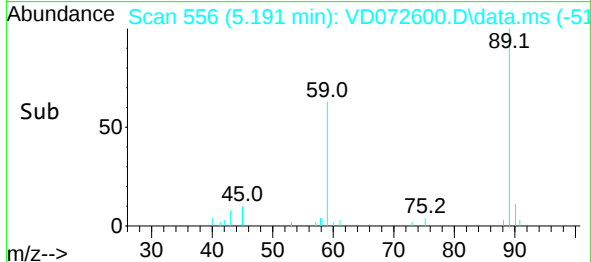
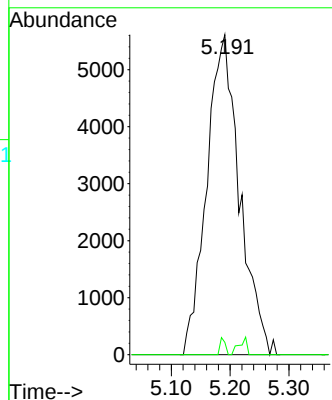
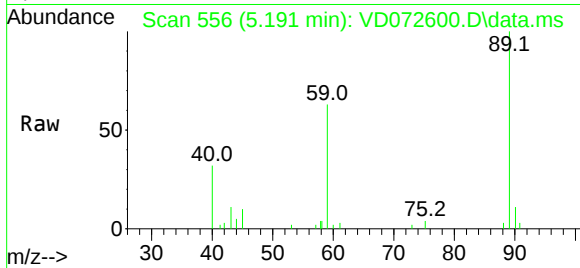




#11
Tert butyl alcohol
Concen: 81.814 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.029 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

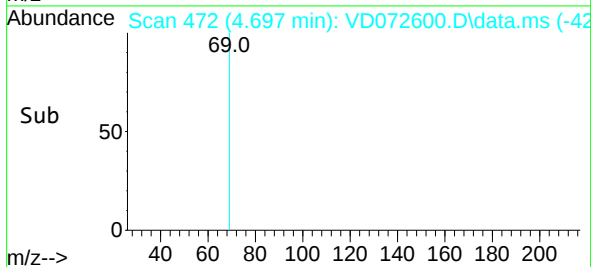
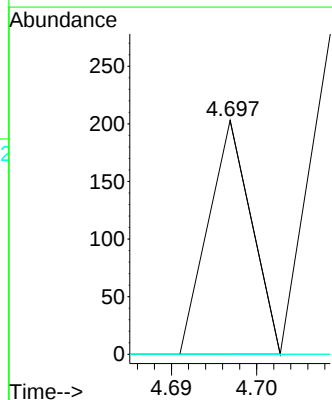
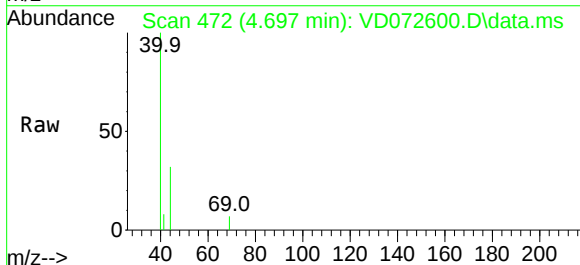
Instrument :
MSVOA_D
ClientSampleId :
SB-1

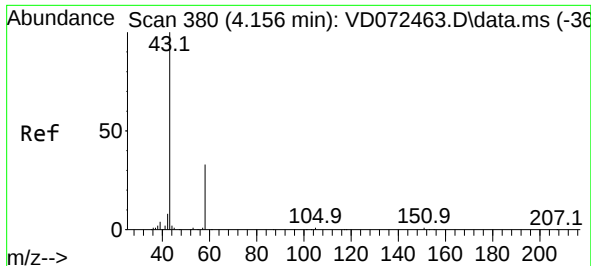
Tgt Ion: 59 Resp: 21780
Ion Ratio Lower Upper
59 100
57 0.8 7.8 11.6#



#14
Allyl chloride
Concen: 1.138 ug/l
RT: 4.697 min Scan# 472
Delta R.T. -0.023 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

Tgt Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

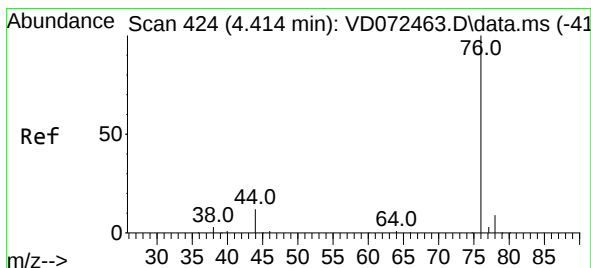
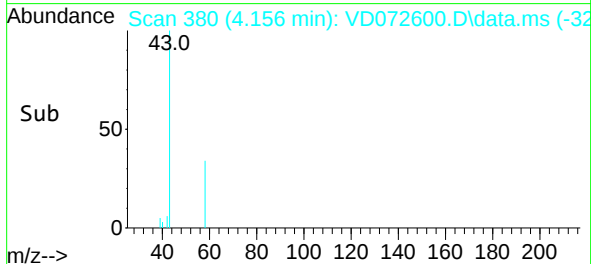
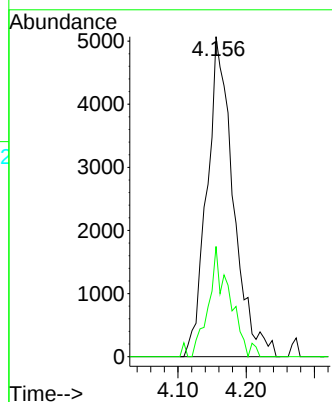
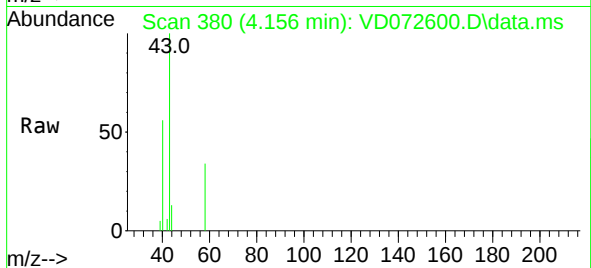




#16
Acetone
Concen: 14.520 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

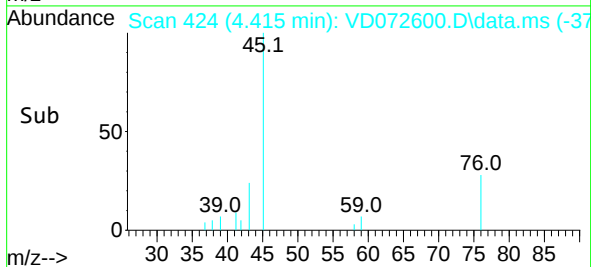
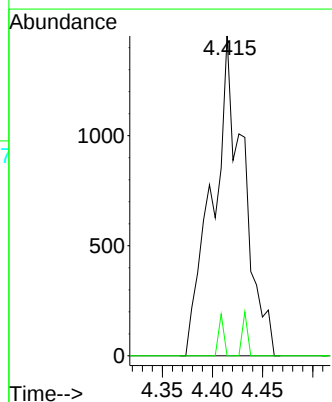
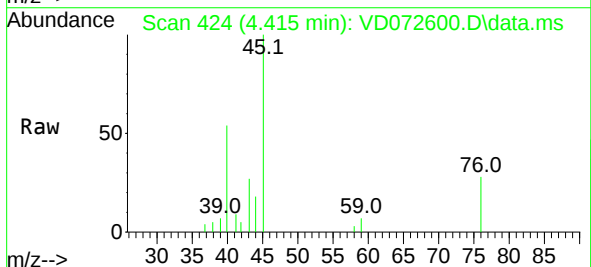
Instrument :
MSVOA_D
ClientSampleId :
SB-1

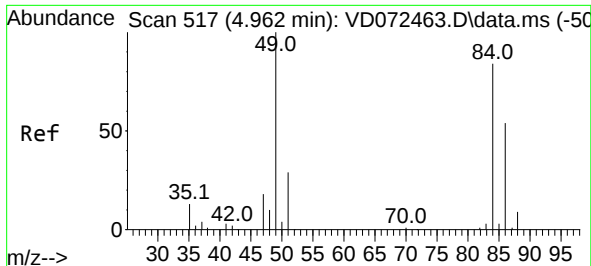
Tgt Ion: 43 Resp: 13649
Ion Ratio Lower Upper
43 100
58 34.5 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.985 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.001 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

Tgt Ion: 76 Resp: 3140
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

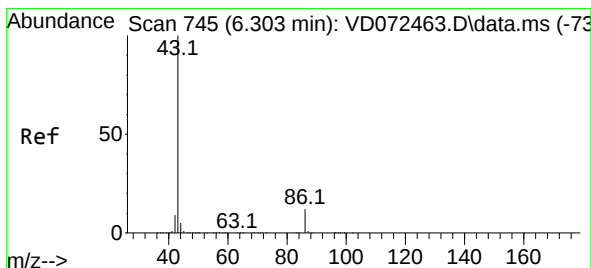
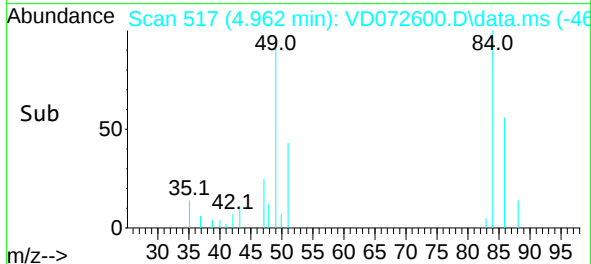
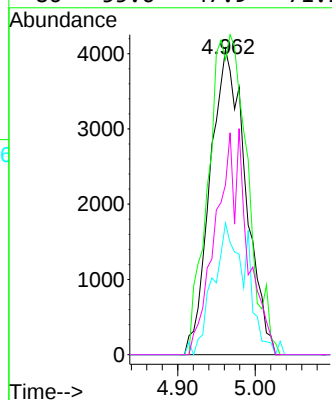
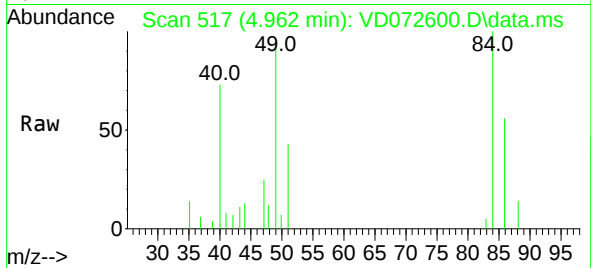




#20
Methylene Chloride
Concen: 2.306 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

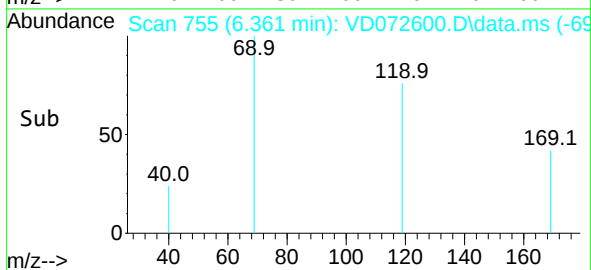
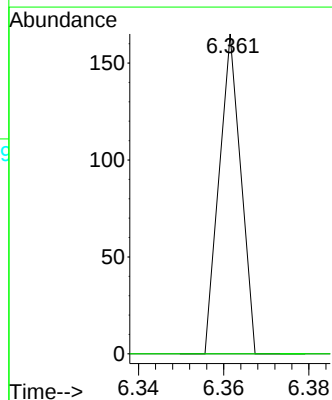
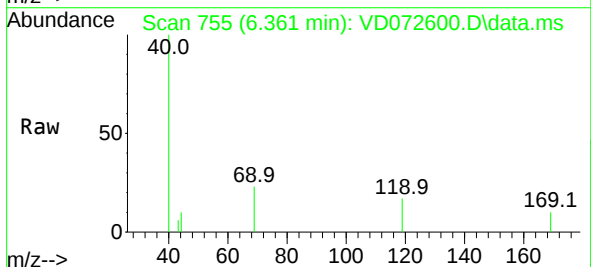
Instrument :
MSVOA_D
ClientSampleId :
SB-1

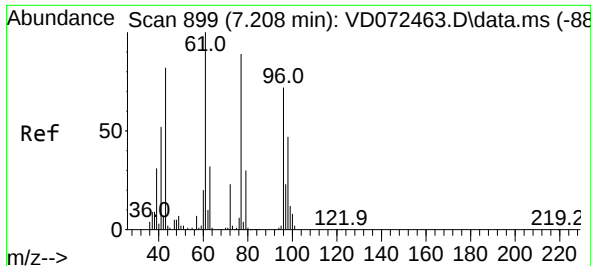
Tgt Ion: 84	Resp: 12903
Ion Ratio	Lower Upper
84 100	
49 96.5	112.8 169.2#
51 43.1	32.6 48.8
86 55.6	47.9 71.9



#23
Vinyl Acetate
Concen: 6.296 ug/l
RT: 6.361 min Scan# 755
Delta R.T. 0.058 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

Tgt Ion: 43	Resp: 58		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	7.1	10.7#	

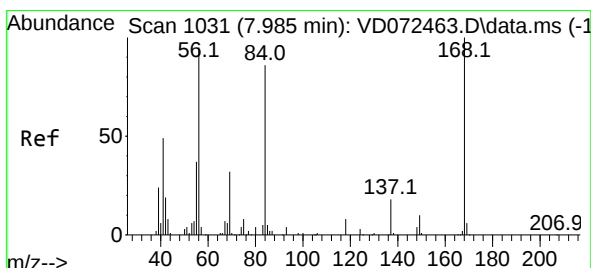
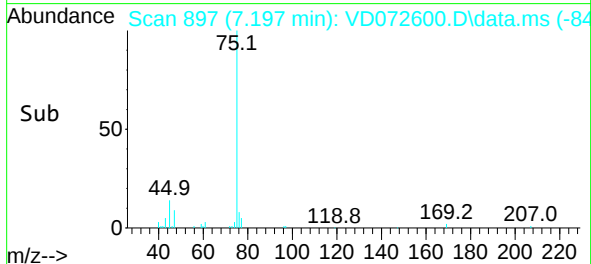
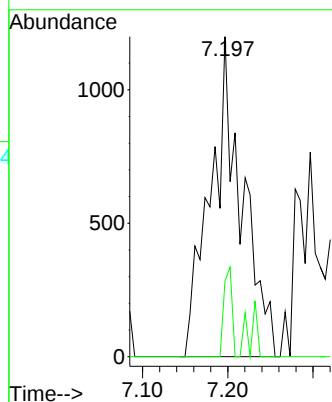
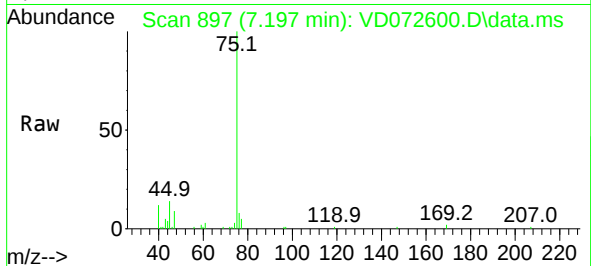




#25
2-Butanone
Concen: 2.375 ug/l
RT: 7.197 min Scan# 899
Delta R.T. -0.012 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

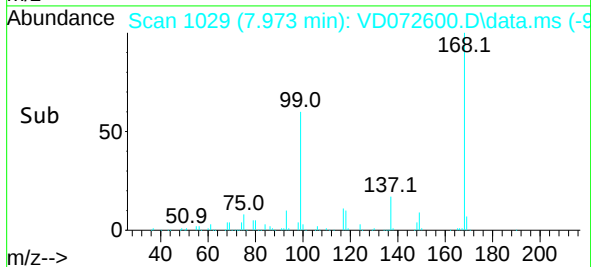
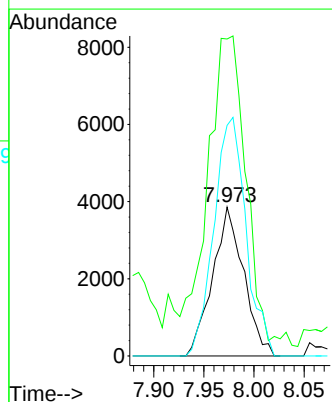
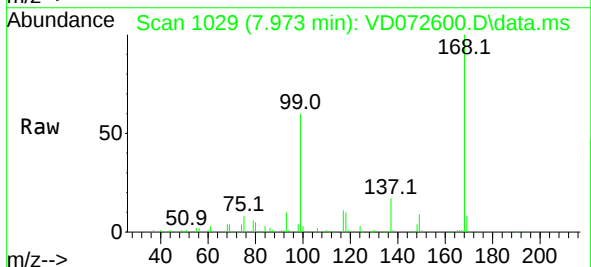
Instrument :
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ClientSampleId :
SB-1

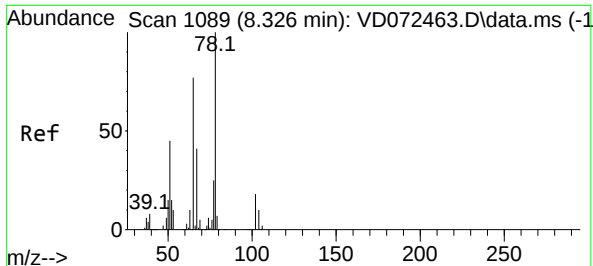
Tgt Ion: 43 Resp: 3087
Ion Ratio Lower Upper
43 100
72 23.7 18.6 27.8



#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

Tgt Ion: 56 Resp: 8298
Ion Ratio Lower Upper
56 100
69 201.4 25.4 38.2#
84 154.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.693 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD072600.D

Acq: 18 Apr 2022 16:26

Instrument :

MSVOA_D

ClientSampleId :

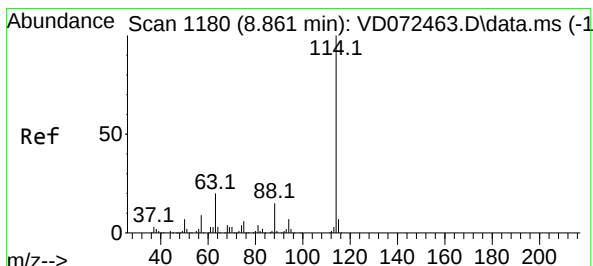
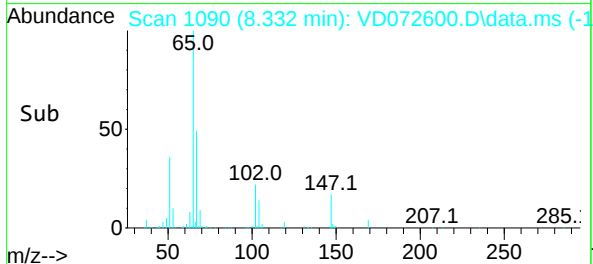
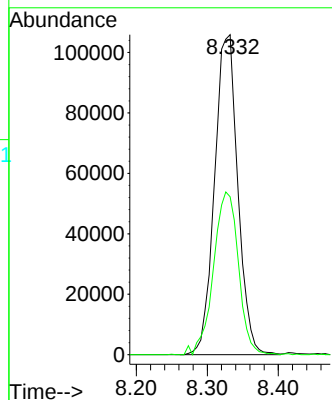
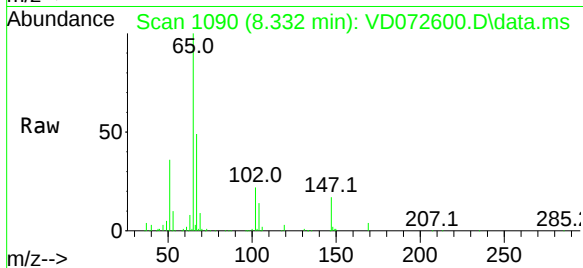
SB-1

Tgt Ion: 65 Resp: 240426

Ion Ratio Lower Upper

65 100

67 54.6 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: VD072600.D

Acq: 18 Apr 2022 16:26

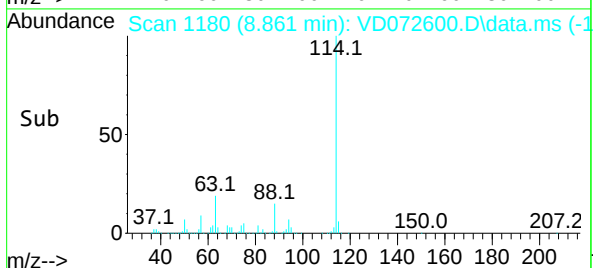
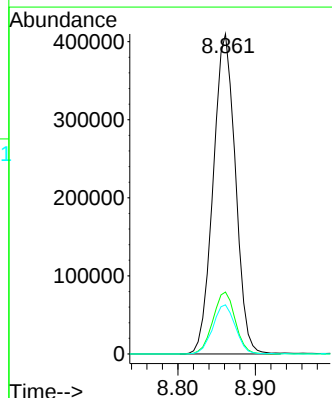
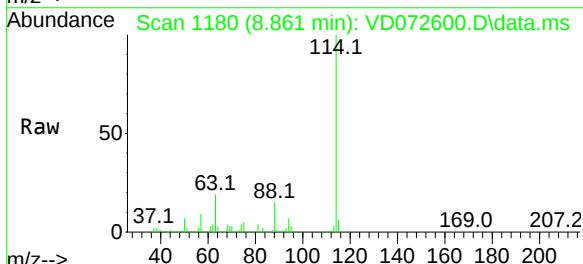
Tgt Ion: 114 Resp: 817333

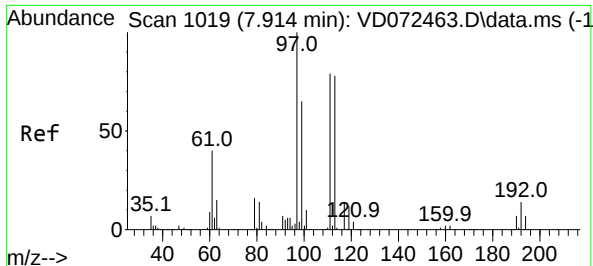
Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.961 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072600.D

Acq: 18 Apr 2022 16:26

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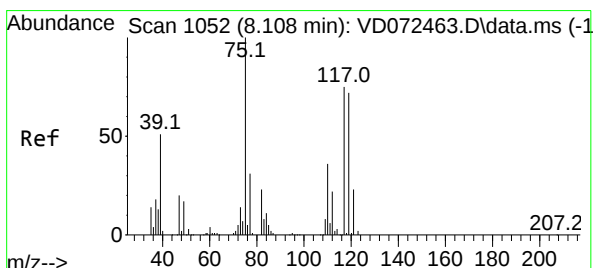
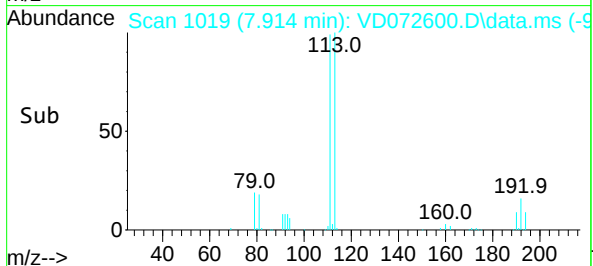
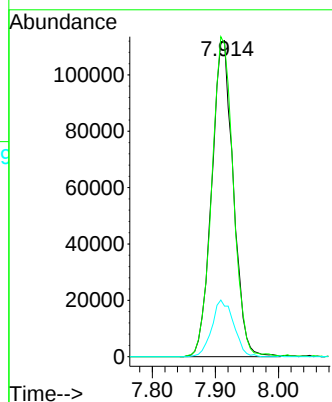
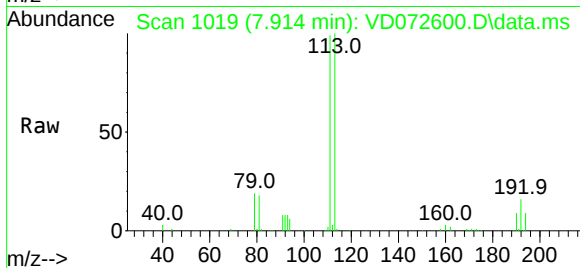
Tgt Ion:113 Resp: 266528

Ion Ratio Lower Upper

113 100

111 100.8 83.8 125.6

192 18.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.149 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072600.D

Acq: 18 Apr 2022 16:26

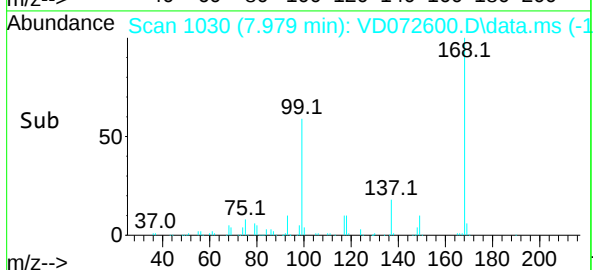
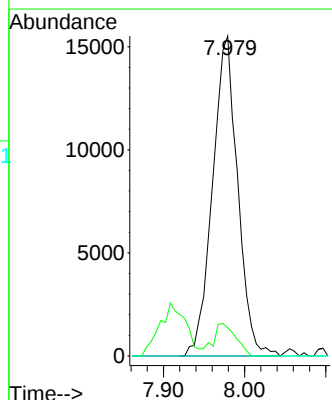
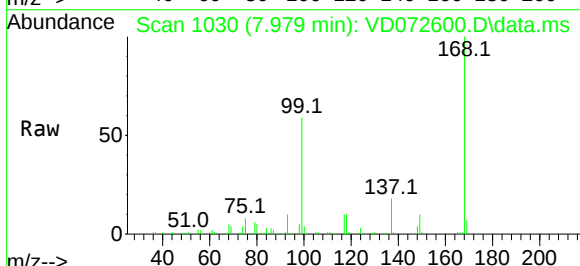
Tgt Ion: 75 Resp: 33421

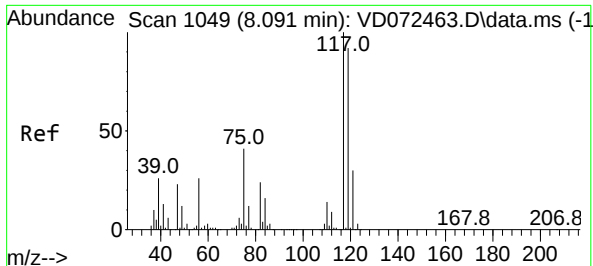
Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.1#

77 0.0 24.2 36.2#

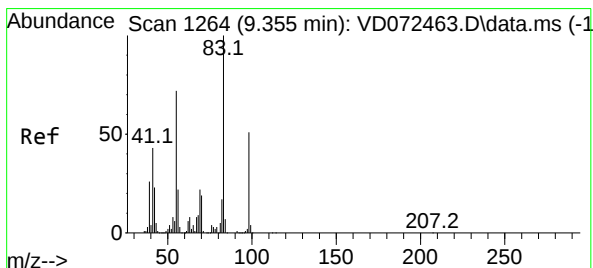
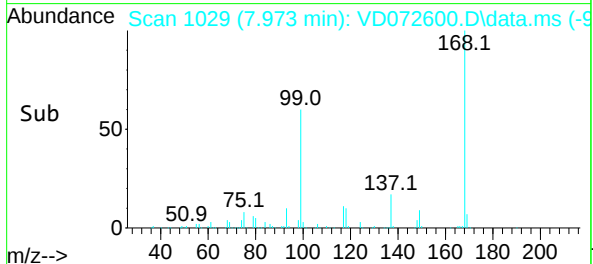
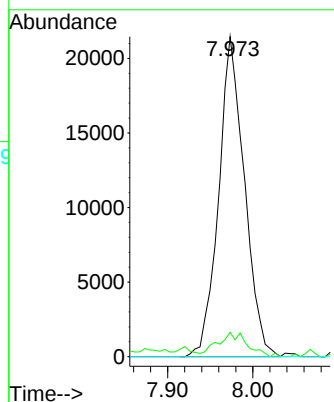
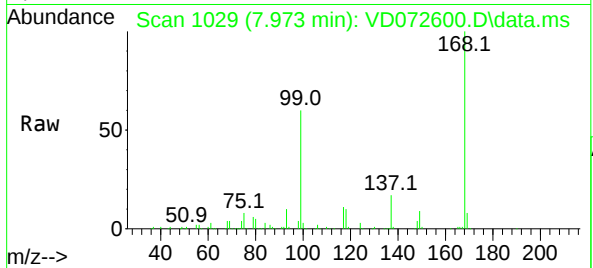




#38
Carbon Tetrachloride
Concen: 5.154 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

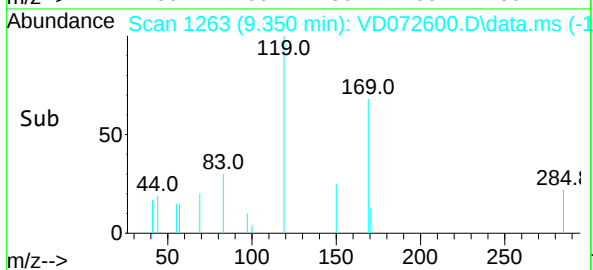
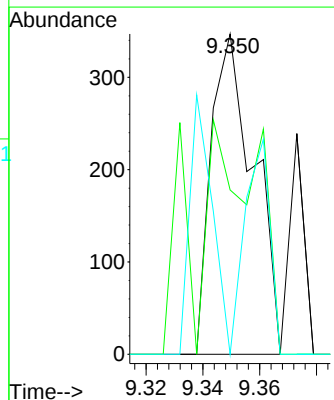
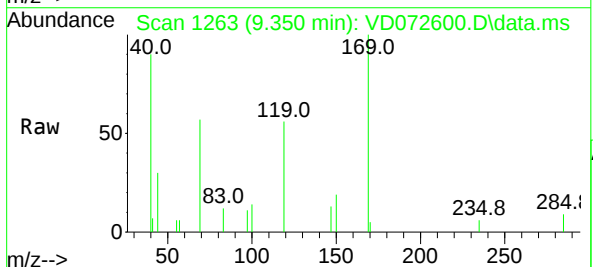
Instrument :
MSVOA_D
ClientSampleId :
SB-1

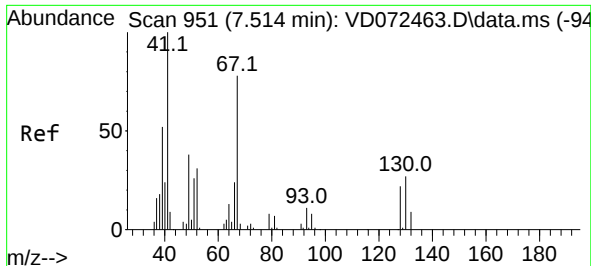
Tgt Ion: 117 Resp: 45104
Ion Ratio Lower Upper
117 100
119 7.6 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.913 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

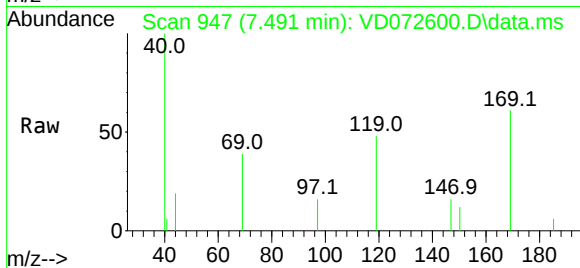
Tgt Ion: 83 Resp: 361
Ion Ratio Lower Upper
83 100
55 51.3 63.2 94.8#
98 0.0 38.2 57.4#



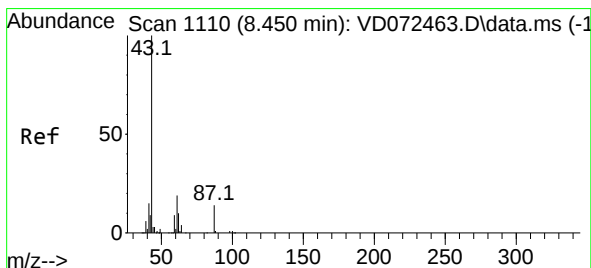
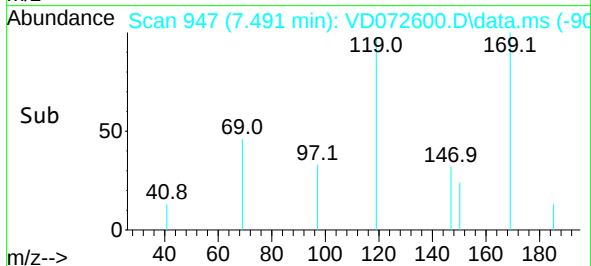
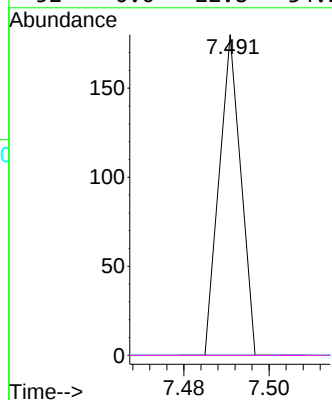


#41
Methacrylonitrile
Concen: 1.690 ug/l
RT: 7.491 min Scan# 941
Delta R.T. -0.023 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

Instrument :
MSVOA_D
ClientSampleId :
SB-1

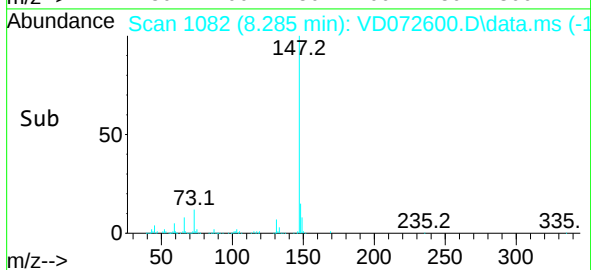
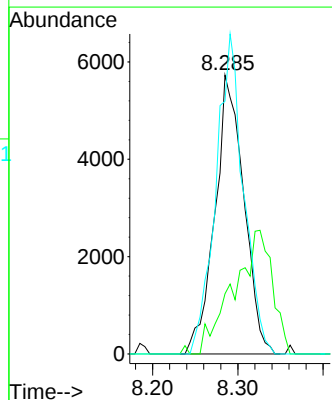
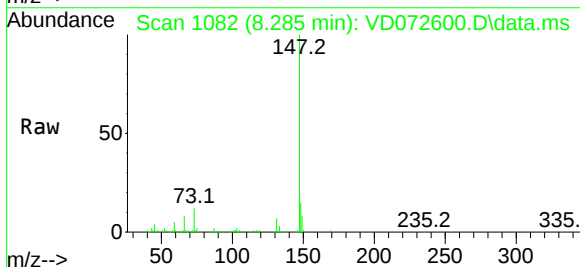


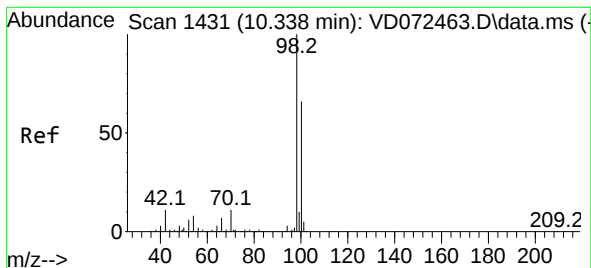
Tgt Ion: 41	Resp: 64
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#43
Isopropyl Acetate
Concen: 2.094 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.165 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

Tgt Ion: 43	Resp: 13520
Ion Ratio	Lower Upper
43 100	
61 0.0	22.4 33.6#
87 109.8	8.7 13.1#





#50

Toluene-d8

Concen: 44.204 ug/l

RT: 10.332 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VD072600.D

Acq: 18 Apr 2022 16:26

Instrument :

MSVOA_D

ClientSampleId :

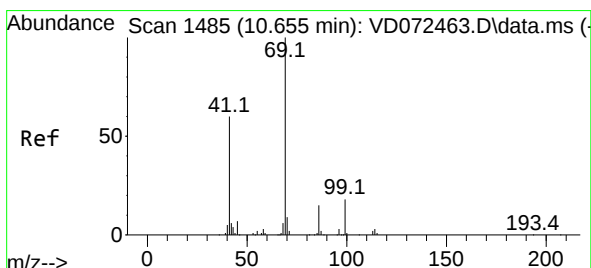
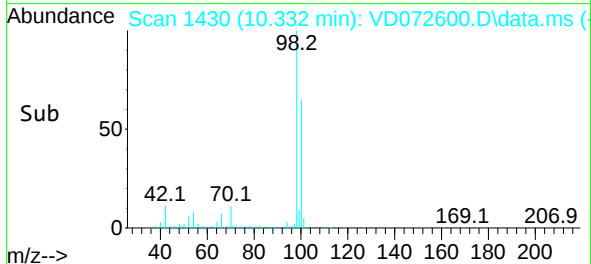
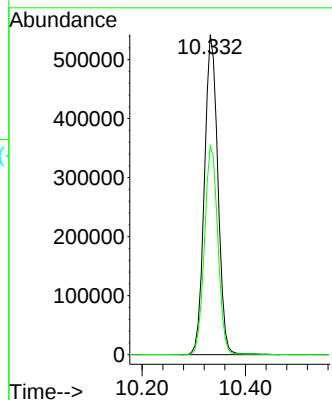
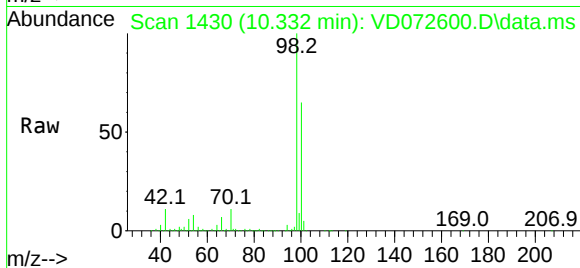
SB-1

Tgt Ion: 98 Resp: 975985

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



#56

Ethyl methacrylate

Concen: 1.226 ug/l

RT: 10.644 min Scan# 1483

Delta R.T. -0.011 min

Lab File: VD072600.D

Acq: 18 Apr 2022 16:26

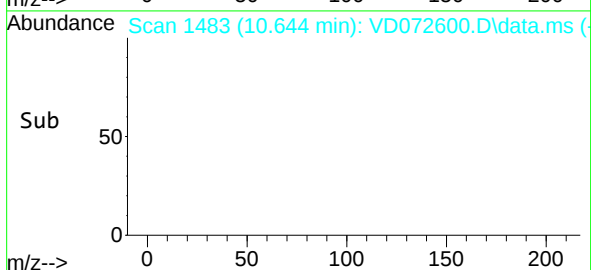
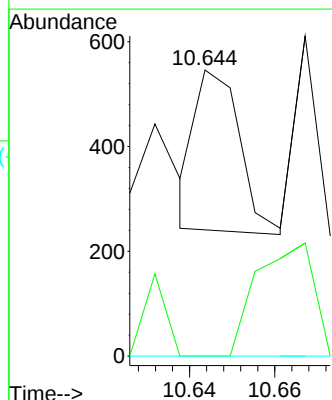
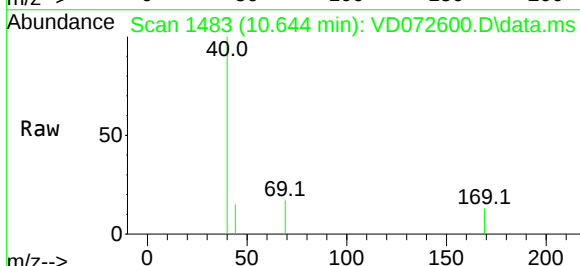
Tgt Ion: 69 Resp: 220

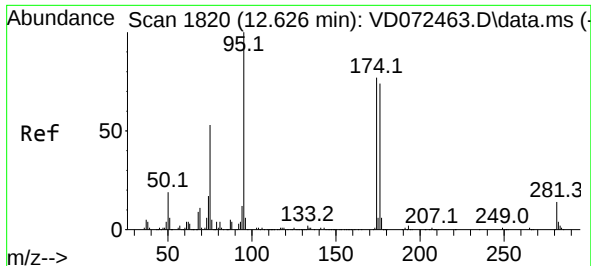
Ion Ratio Lower Upper

69 100

41 0.0 63.0 94.6#

39 0.0 33.8 50.8#

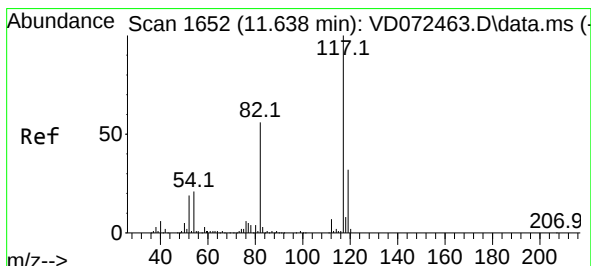
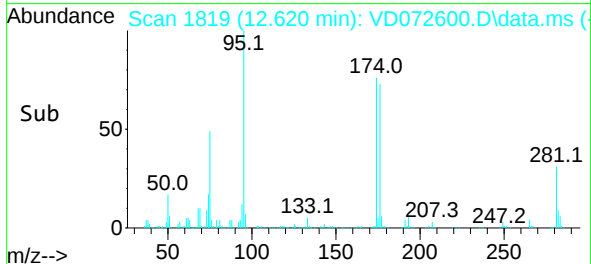
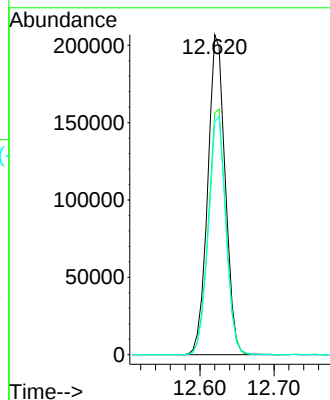
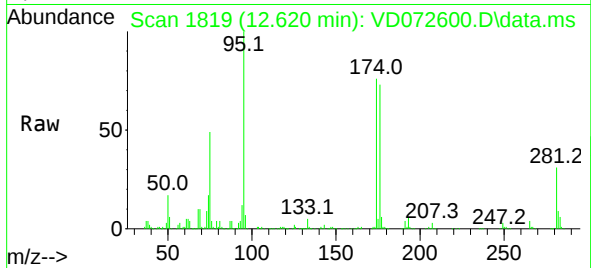




#62
4-Bromofluorobenzene
Concen: 39.195 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

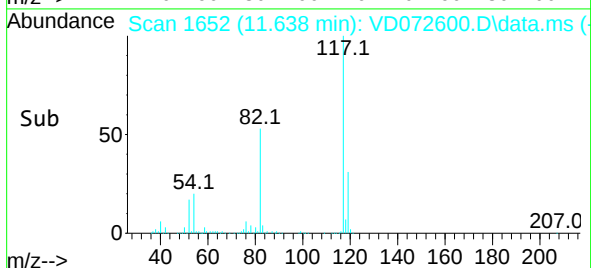
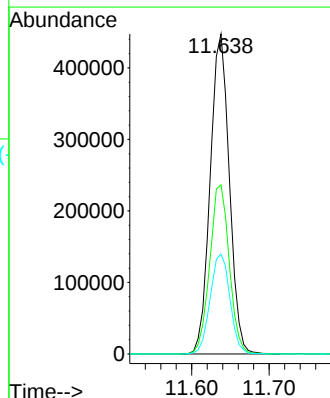
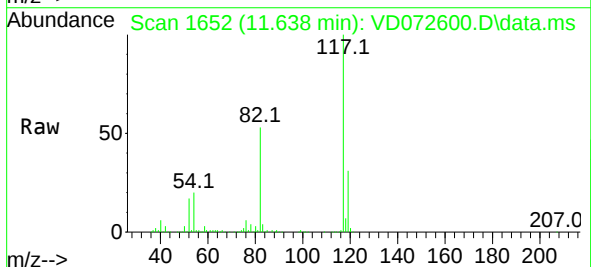
Instrument :
MSVOA_D
ClientSampleId :
SB-1

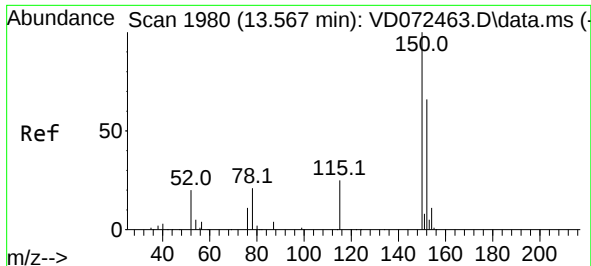
Tgt Ion: 95 Resp: 337974
Ion Ratio Lower Upper
95 100
174 77.4 0.0 152.8
176 74.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

Tgt Ion: 117 Resp: 767700
Ion Ratio Lower Upper
117 100
82 52.9 45.3 67.9
119 31.2 26.6 40.0

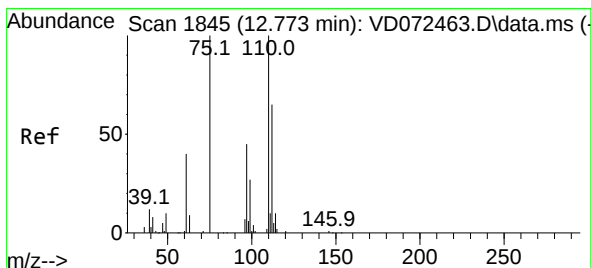
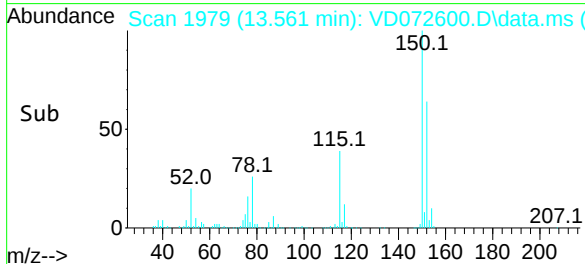
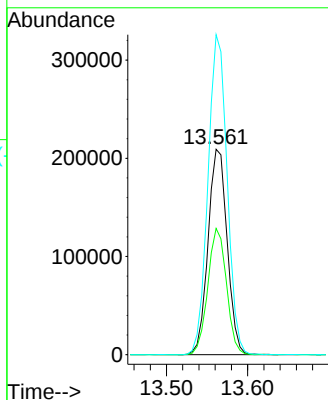
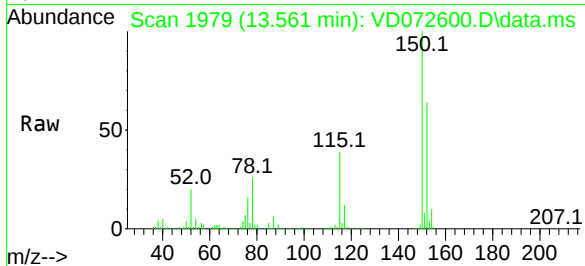




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

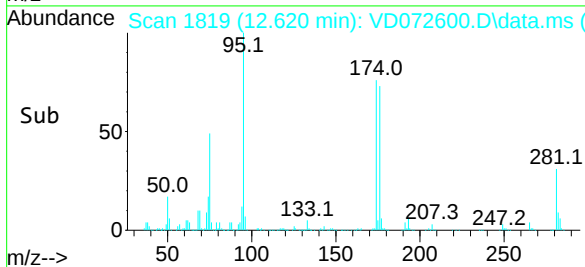
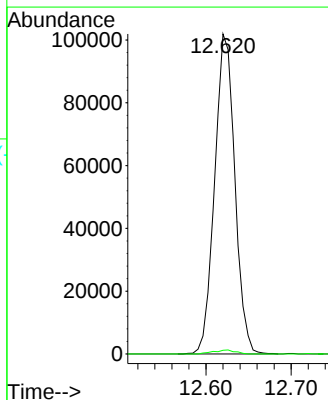
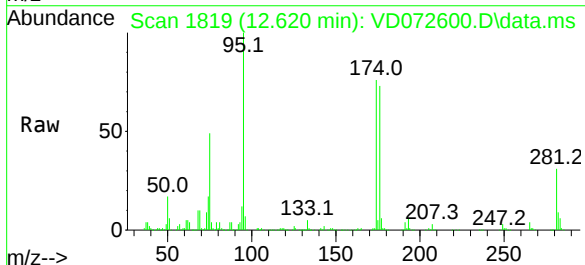
Instrument :
MSVOA_D
ClientSampleId :
SB-1

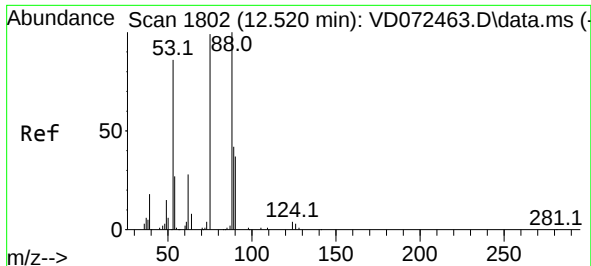
Tgt Ion:152 Resp: 342224
Ion Ratio Lower Upper
152 100
115 59.8 31.3 93.8
150 156.0 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.986 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072600.D
Acq: 18 Apr 2022 16:26

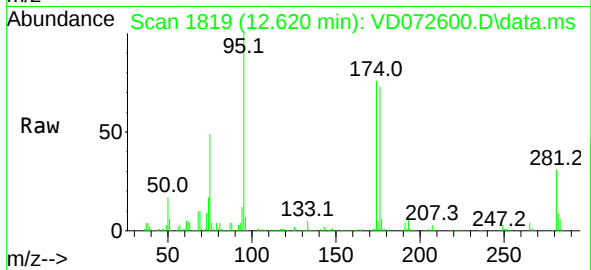
Tgt Ion: 75 Resp: 167910
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.387 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072600.D
 Acq: 18 Apr 2022 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1



Tgt Ion: 75 Resp: 167910
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.3 33.9 50.9#

