

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
 Data File : VD070918.D
 Acq On : 03 Nov 2021 18:56
 Operator : VA/SY
 Sample : M4454-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30859

Quant Time: Nov 03 22:15:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

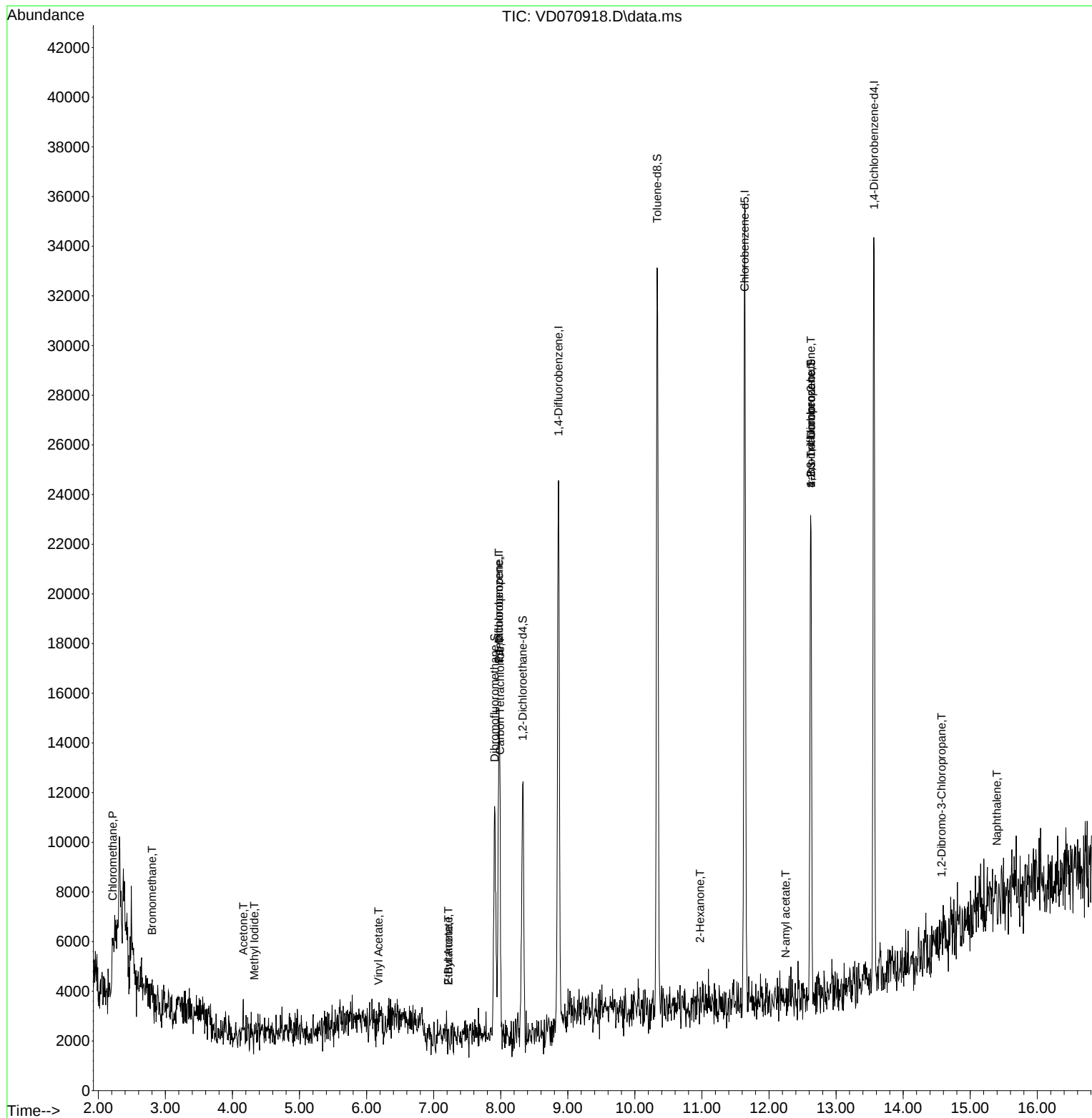
Internal Standards						
1) Pentafluorobenzene	7.973	168	12378	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	18855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	20184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	9138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	7915	63.578	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.160%	
35) Dibromofluoromethane	7.909	113	6398	51.464	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.920%	
50) Toluene-d8	10.332	98	22704	48.543	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.080%	
62) 4-Bromofluorobenzene	12.626	95	8199	53.130	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	170	1.046	ug/l	# 62
5) Bromomethane	2.803	94	661	2.045	ug/l	# 3
10) Methyl Iodide	4.326	142	107	4.272	ug/l	# 40
16) Acetone	4.162	43	801	27.656	ug/l	96
20) Methylene Chloride	4.968	84	249	Below Cal	#	58
23) Vinyl Acetate	6.179	43	74	14.755	ug/l	# 72
25) 2-Butanone	7.220	43	118	3.310	ug/l	# 45
36) 1,1-Dichloropropene	7.973	75	585	2.965	ug/l	# 41
37) Ethyl Acetate	7.220	43	118	1.609	ug/l	# 66
38) Carbon Tetrachloride	7.991	117	1109	5.590	ug/l	# 12
59) 2-Hexanone	10.973	43	89	1.744	ug/l	# 22
74) N-amyl acetate	12.250	43	191	1.425	ug/l	# 40
76) 1,2,3-Trichloropropane	12.626	75	3504	38.953	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	3504	102.237	ug/l	# 18
92) 1,2-Dibromo-3-Chloropr...	14.573	75	71	3.918	ug/l	# 4
95) Naphthalene	15.396	128	89	4.409	ug/l	# 24

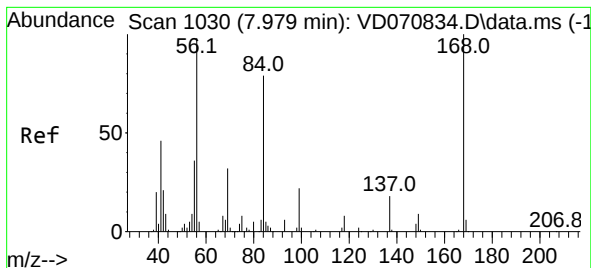
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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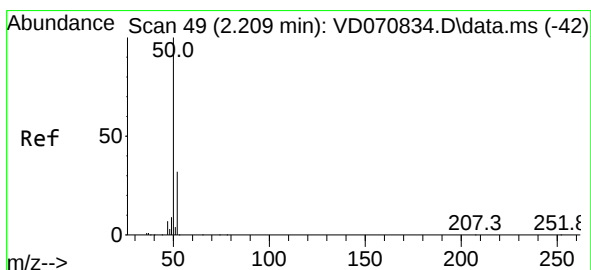
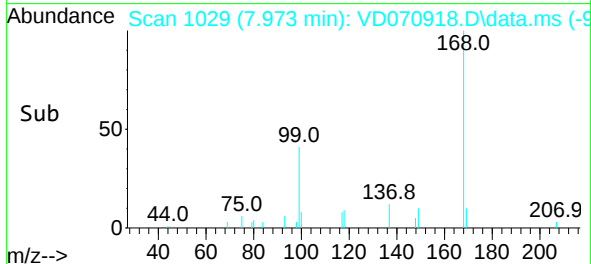
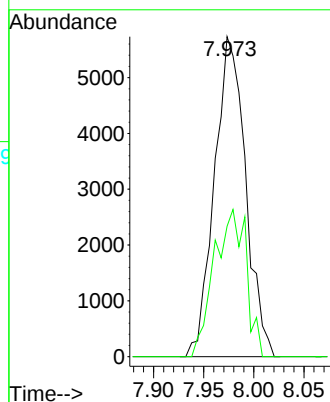
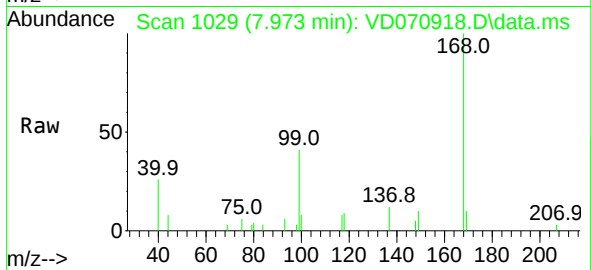




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

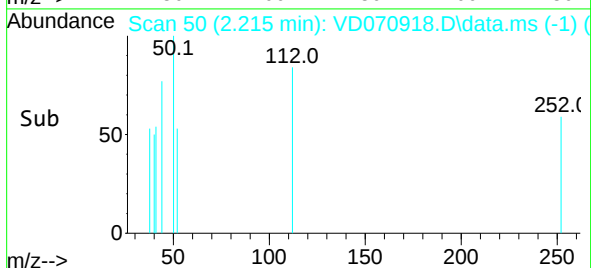
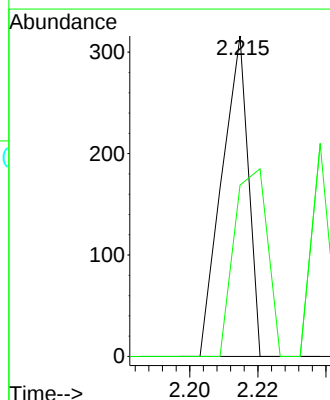
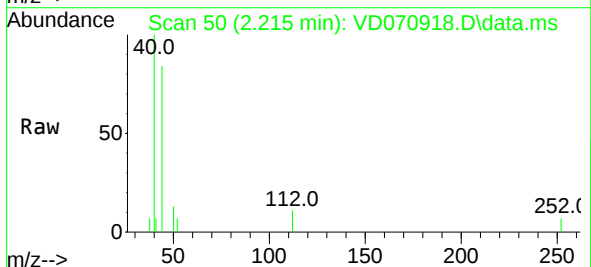
Instrument :
MSVOA_D
ClientSampleId :
30859

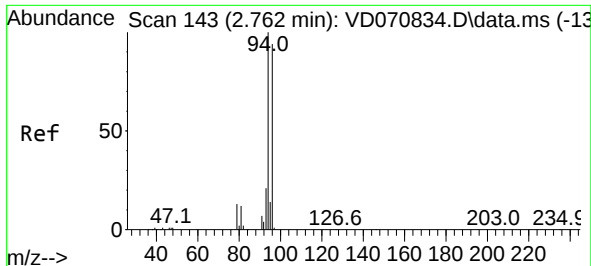
Tgt Ion:168 Resp: 12378
Ion Ratio Lower Upper
168 100
99 40.7 46.6 69.8#



#3
Chloromethane
Concen: 1.046 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

Tgt Ion: 50 Resp: 170
Ion Ratio Lower Upper
50 100
52 53.5 25.8 38.8#

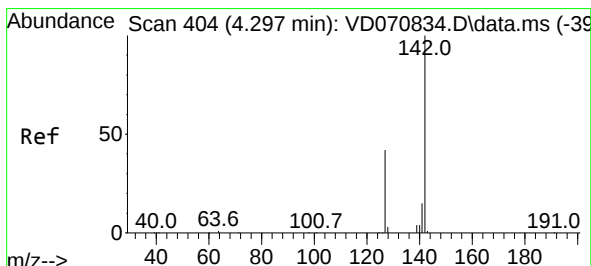
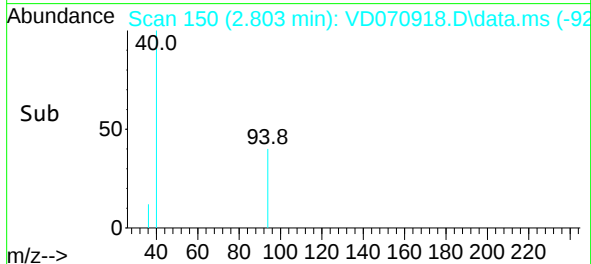
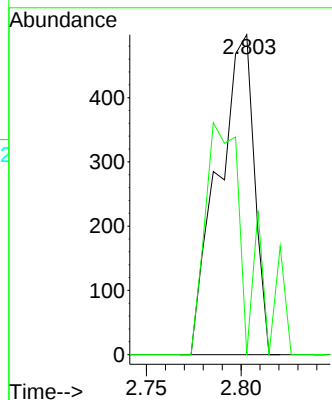
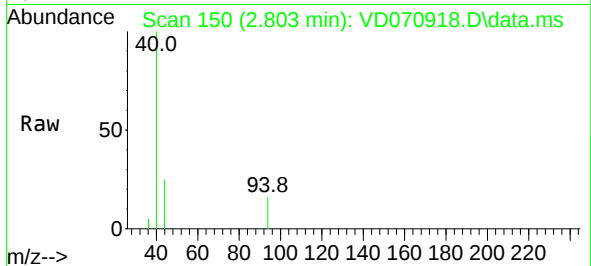




#5
Bromomethane
Concen: 2.045 ug/l
RT: 2.803 min Scan# 11
Delta R.T. 0.041 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

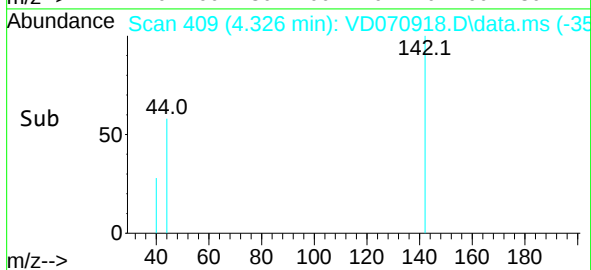
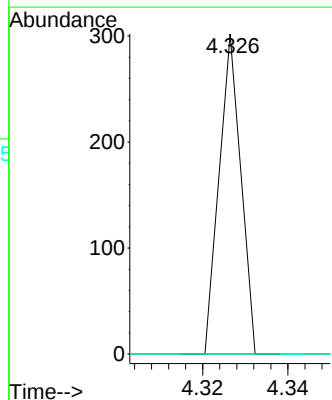
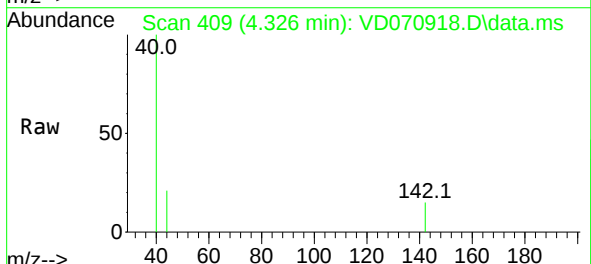
Instrument :
MSVOA_D
ClientSampleId :
30859

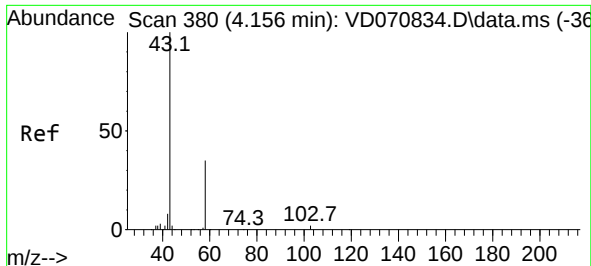
Tgt Ion: 94 Resp: 661
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#10
Methyl Iodide
Concen: 4.272 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.029 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

Tgt Ion: 142 Resp: 107
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

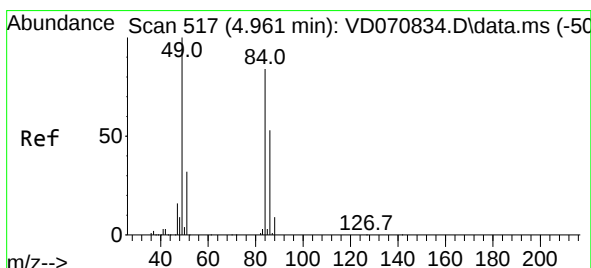
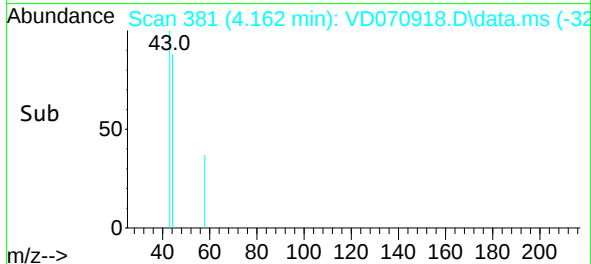
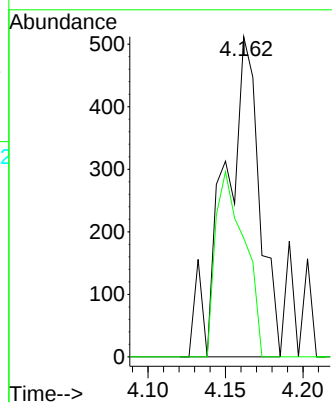
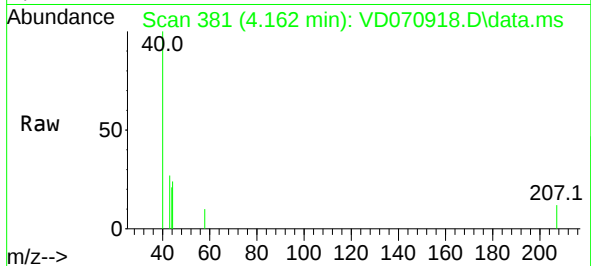




#16
Acetone
Concen: 27.656 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

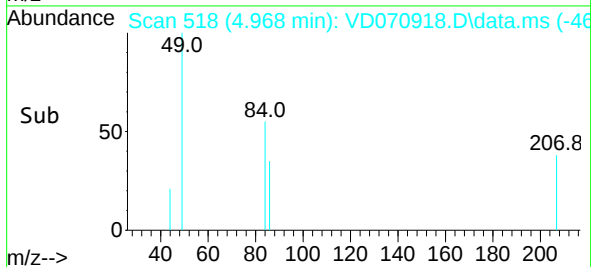
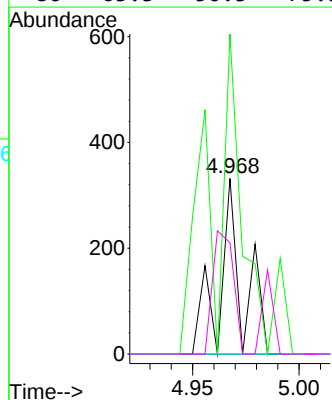
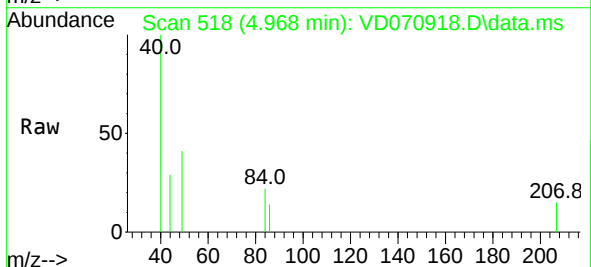
Instrument :
MSVOA_D
ClientSampleId :
30859

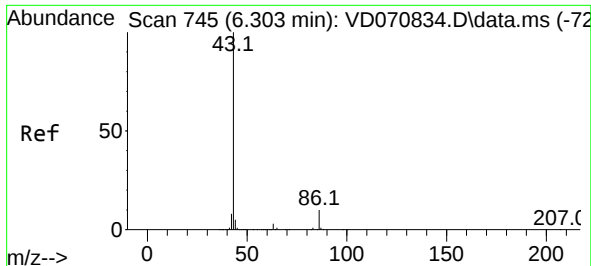
Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
58 37.1 27.8 41.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.007 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

Tgt Ion: 84 Resp: 249
Ion Ratio Lower Upper
84 100
49 182.2 95.8 143.6#
51 0.0 30.9 46.3#
86 63.3 50.3 75.5

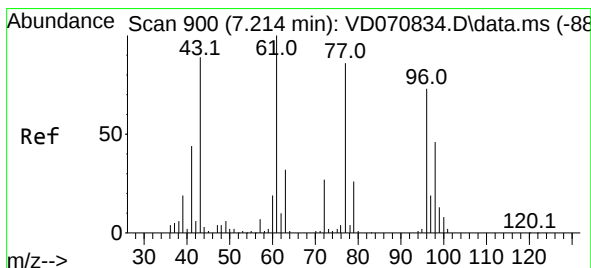
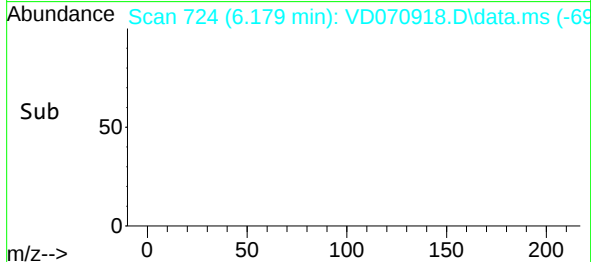
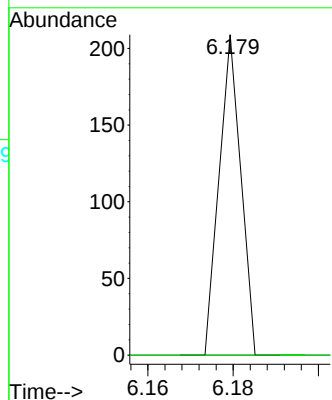
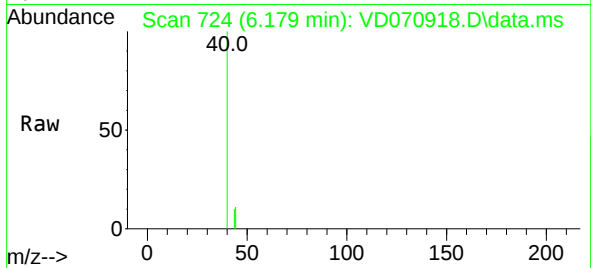




#23
 Vinyl Acetate
 Concen: 14.755 ug/l
 RT: 6.179 min Scan# 71
 Delta R.T. -0.124 min
 Lab File: VD070918.D
 Acq: 03 Nov 2021 18:56

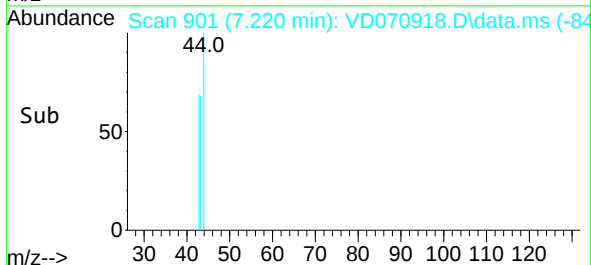
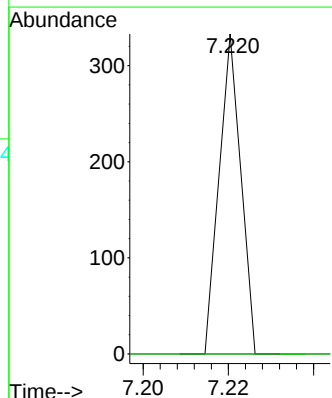
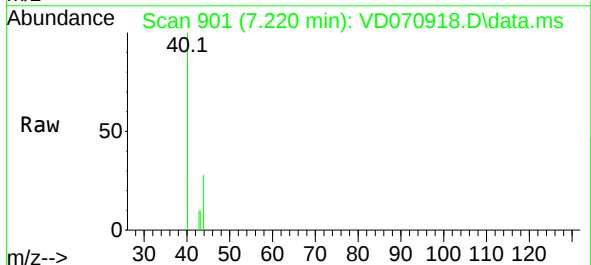
Instrument :
 MSVOA_D
 ClientSampleId :
 30859

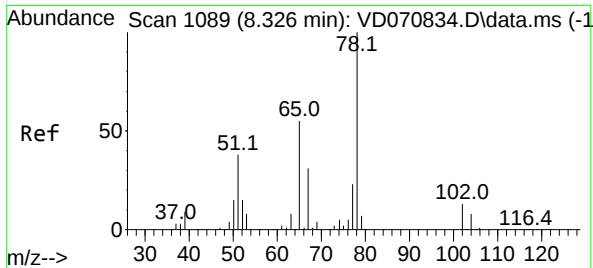
Tgt Ion: 43 Resp: 74
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 3.310 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD070918.D
 Acq: 03 Nov 2021 18:56

Tgt Ion: 43 Resp: 118
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#33

1,2-Dichloroethane-d4

Concen: 63.578 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070918.D

Acq: 03 Nov 2021 18:56

Instrument :

MSVOA_D

ClientSampleId :

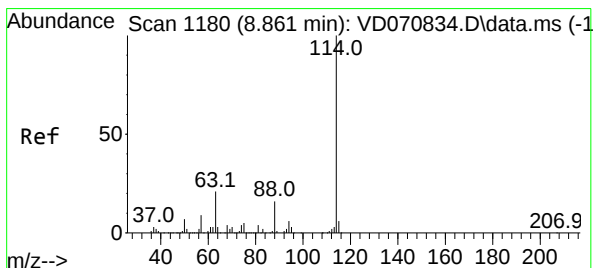
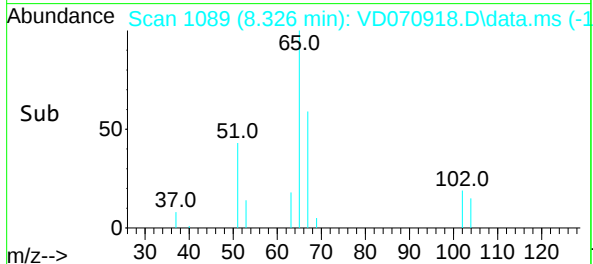
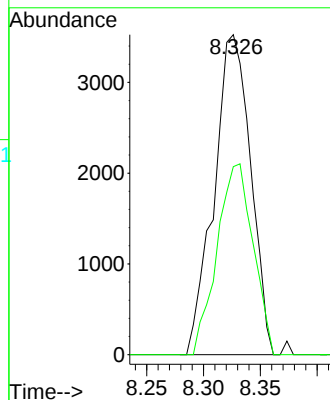
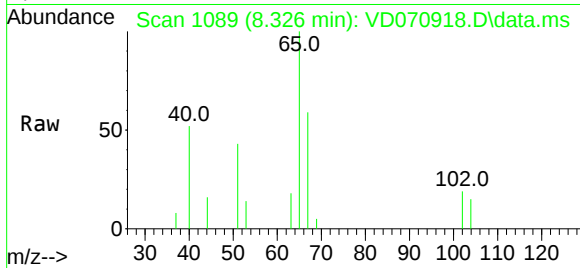
30859

Tgt Ion: 65 Resp: 7915

Ion Ratio Lower Upper

65 100

67 58.6 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070918.D

Acq: 03 Nov 2021 18:56

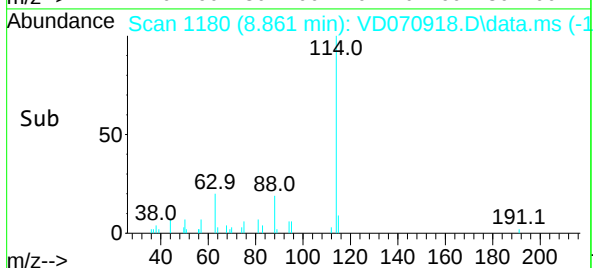
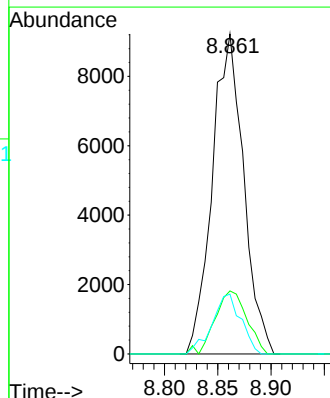
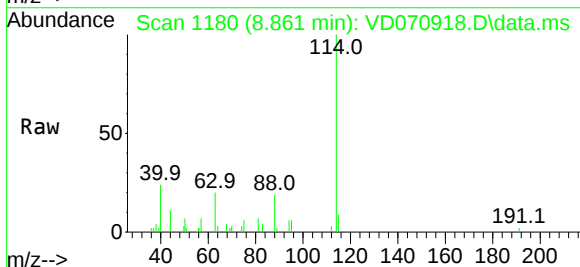
Tgt Ion: 114 Resp: 18855

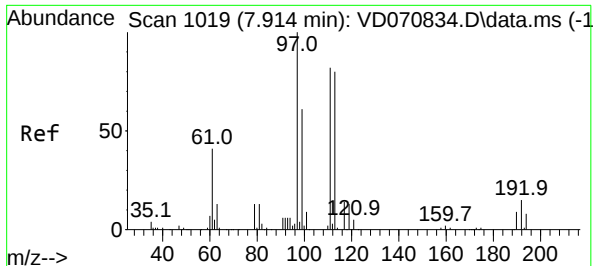
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.8

88 18.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.464 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070918.D

Acq: 03 Nov 2021 18:56

Instrument :

MSVOA_D

ClientSampleId :

30859

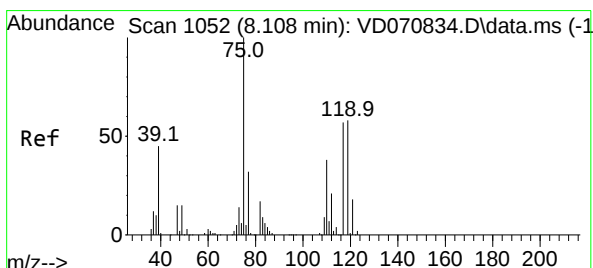
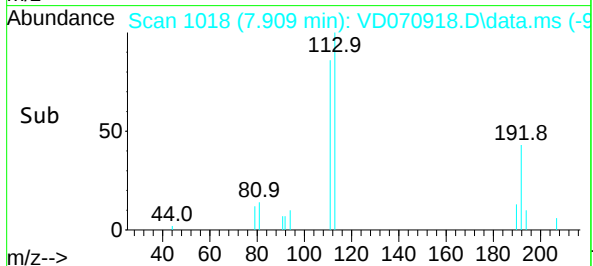
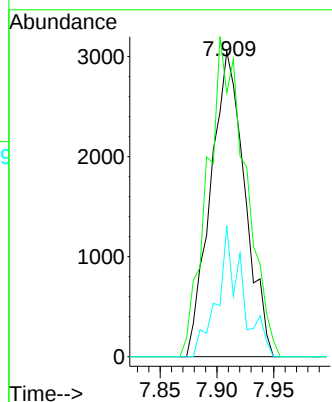
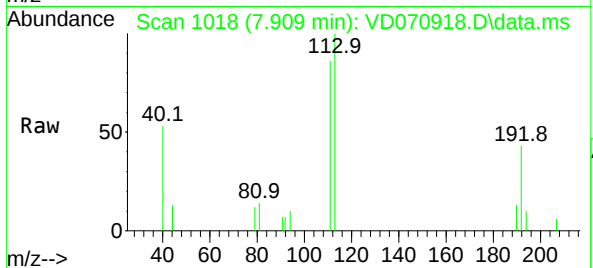
Tgt Ion:113 Resp: 6398

Ion Ratio Lower Upper

113 100

111 116.3 82.0 123.0

192 30.9 15.2 22.8#



#36

1,1-Dichloropropene

Concen: 2.965 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070918.D

Acq: 03 Nov 2021 18:56

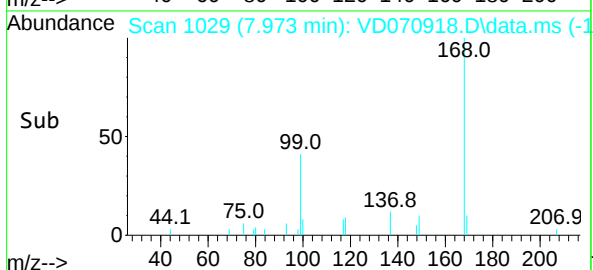
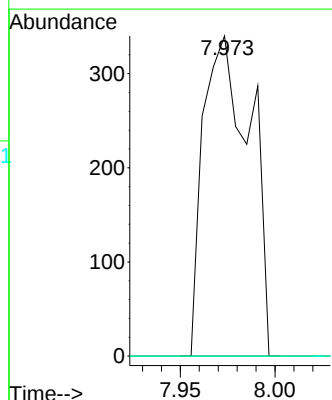
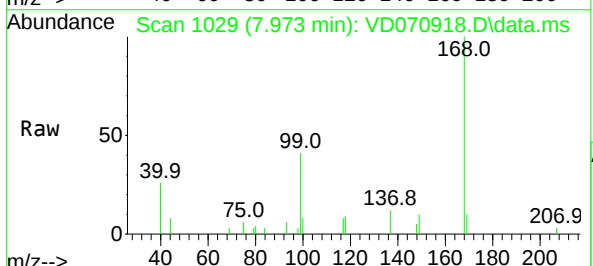
Tgt Ion: 75 Resp: 585

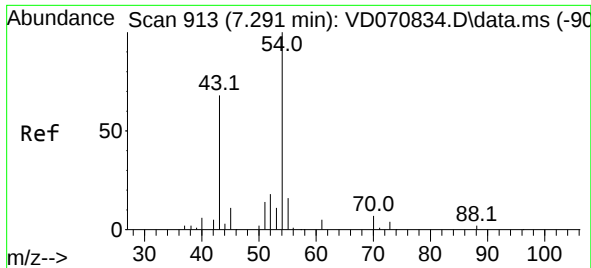
Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

77 0.0 24.8 37.2#

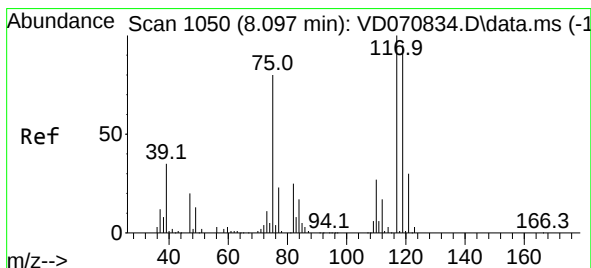
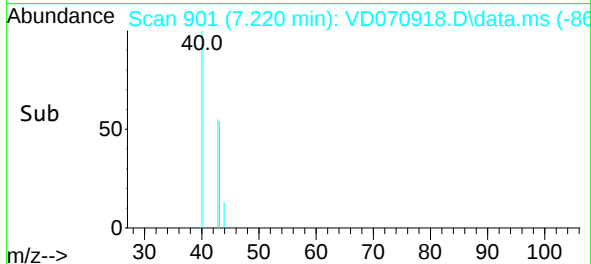
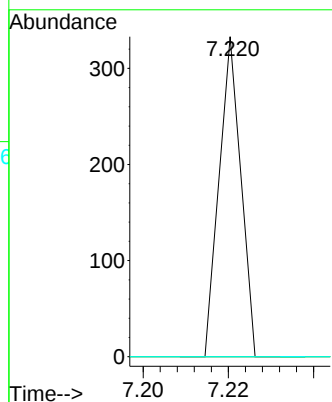
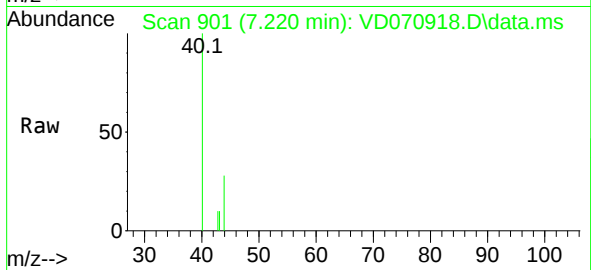




#37
Ethyl Acetate
Concen: 1.609 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.070 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

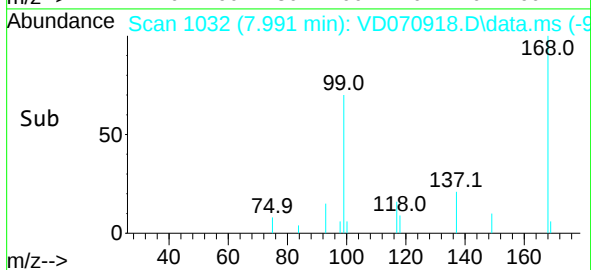
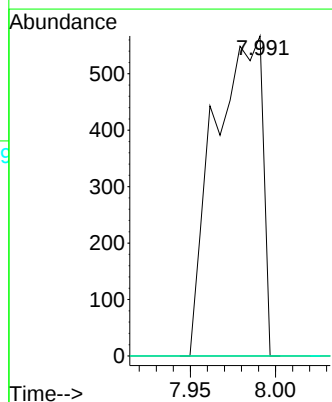
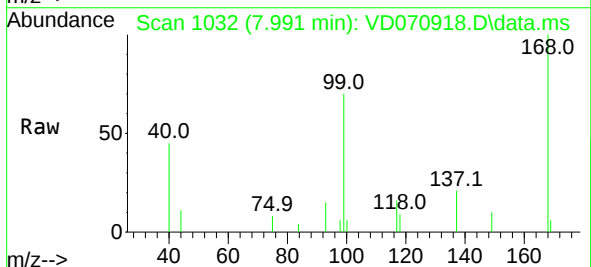
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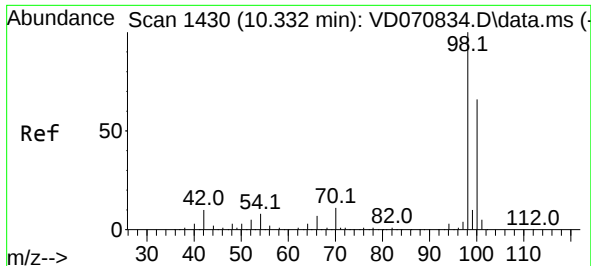
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.590 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.106 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

Tgt Ion: 117 Resp: 1109
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#

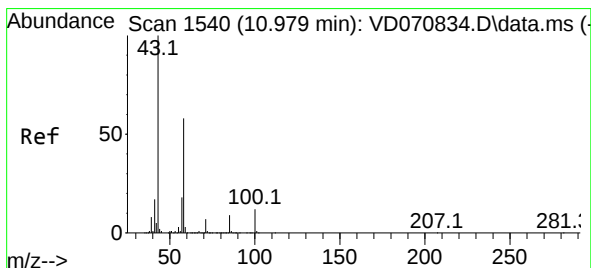
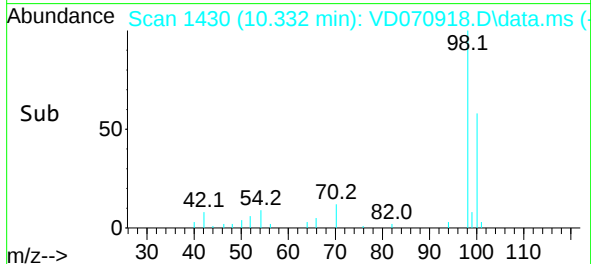
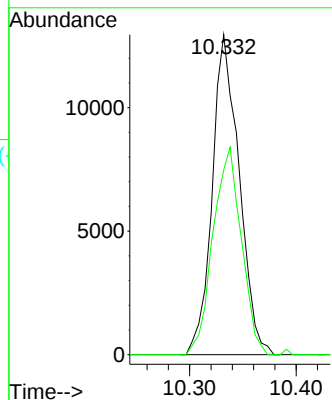
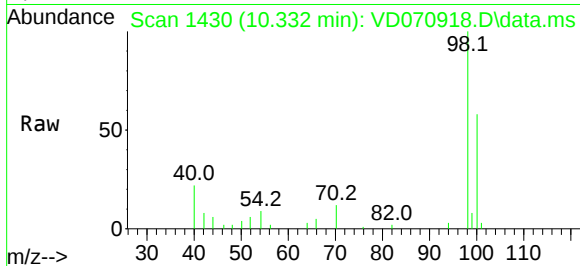




#50
Toluene-d8
Concen: 48.543 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

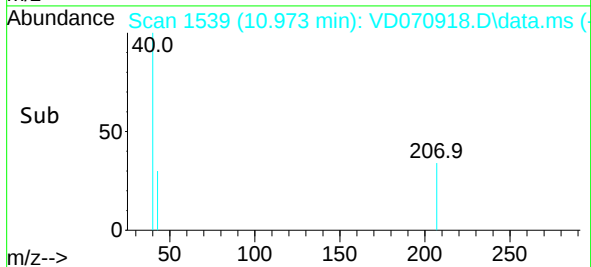
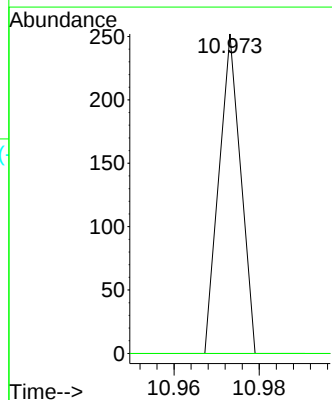
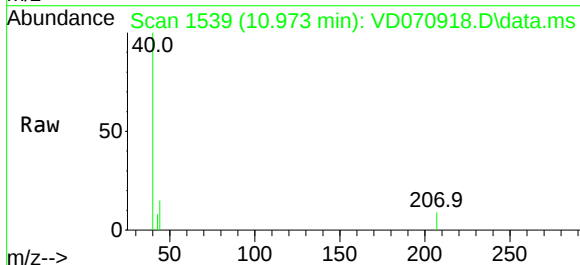
Instrument :
MSVOA_D
ClientSampleId :
30859

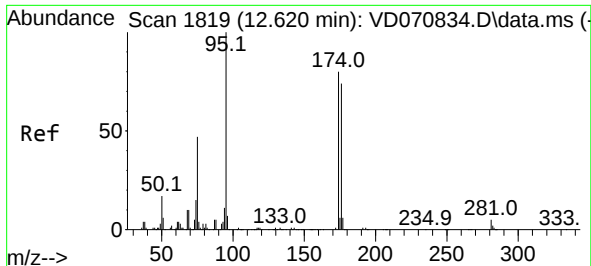
Tgt Ion: 98 Resp: 22704
Ion Ratio Lower Upper
98 100
100 68.2 51.8 77.6



#59
2-Hexanone
Concen: 1.744 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

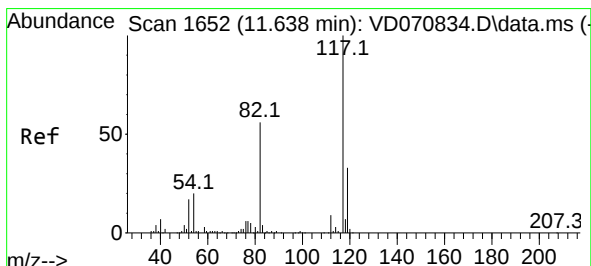
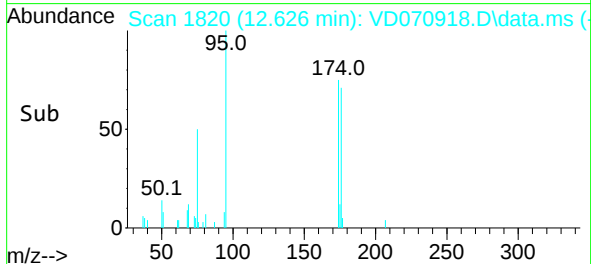
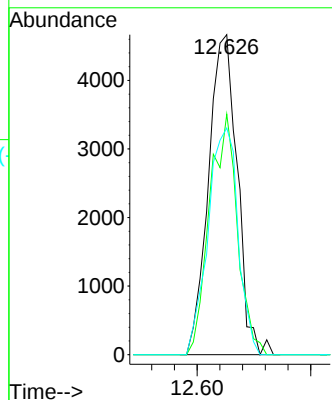
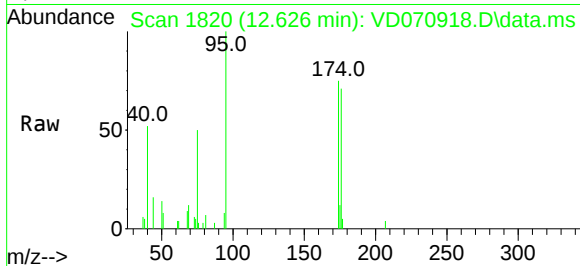




#62
4-Bromofluorobenzene
Concen: 53.130 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

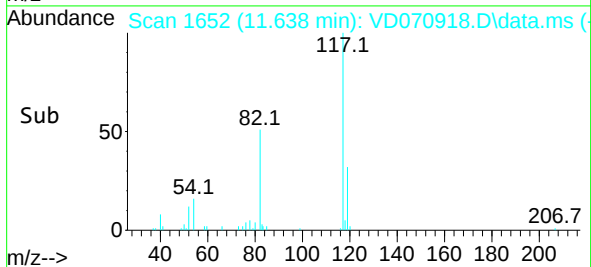
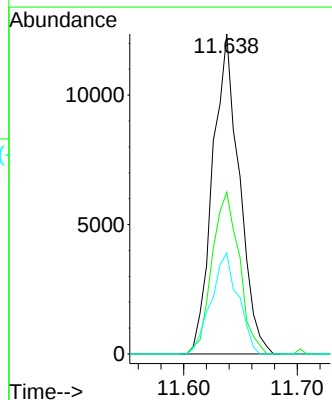
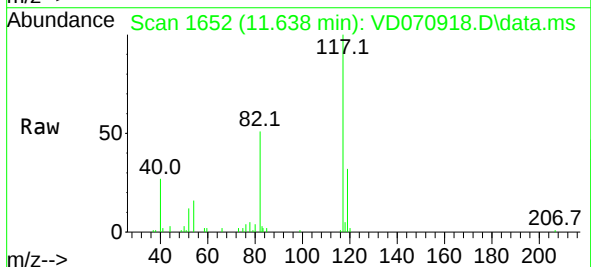
Instrument :
MSVOA_D
ClientSampleId :
30859

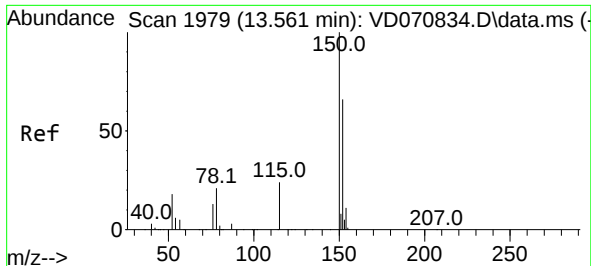
Tgt Ion: 95 Resp: 8199
Ion Ratio Lower Upper
95 100
174 73.0 0.0 159.4
176 73.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

Tgt Ion: 117 Resp: 20184
Ion Ratio Lower Upper
117 100
82 50.6 44.7 67.1
119 31.6 26.2 39.4

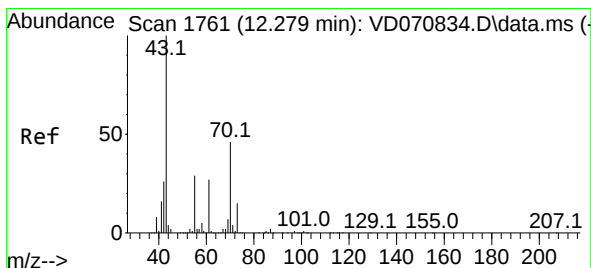
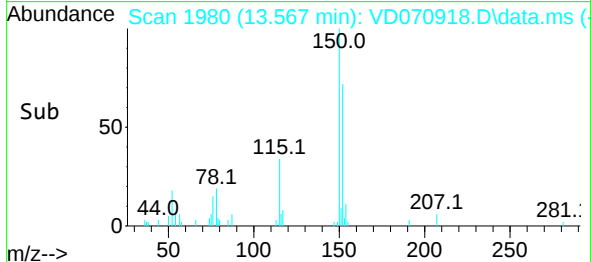
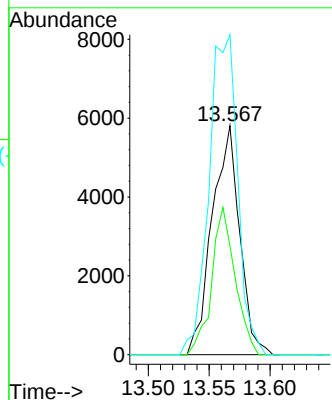
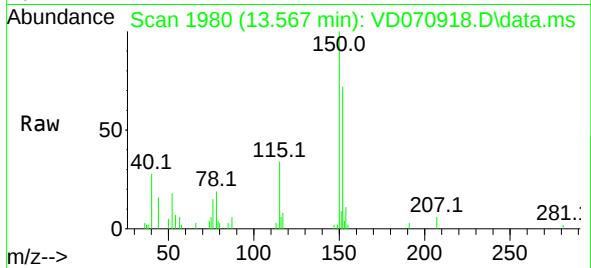




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

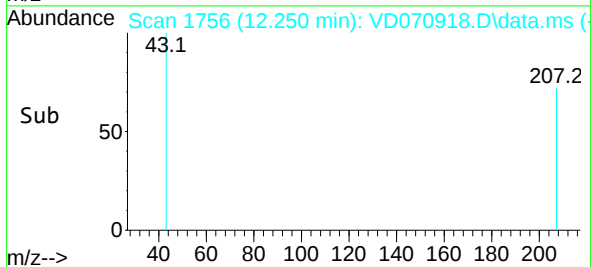
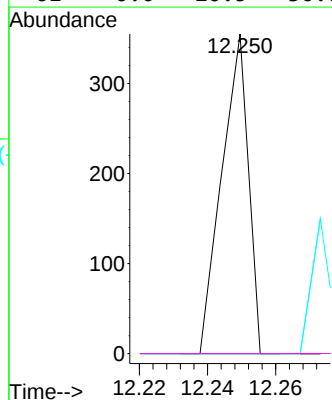
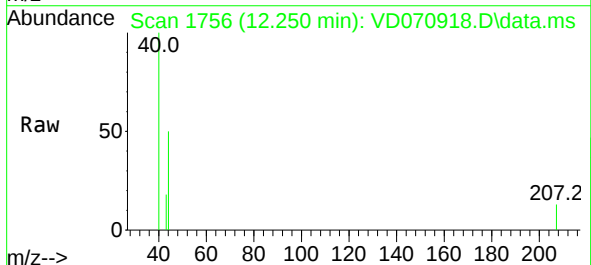
Instrument :
MSVOA_D
ClientSampleId :
30859

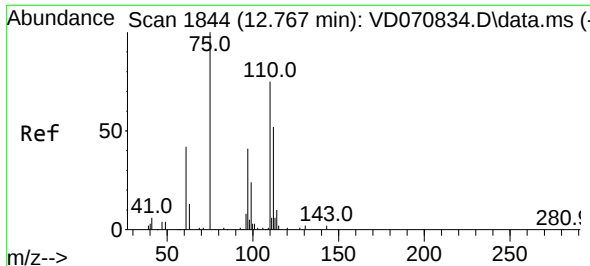
Tgt Ion:152 Resp: 9138
Ion Ratio Lower Upper
152 100
115 54.8 29.8 89.3
150 146.3 0.0 349.2



#74
N-ethyl acetate
Concen: 1.425 ug/l
RT: 12.250 min Scan# 1756
Delta R.T. -0.029 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

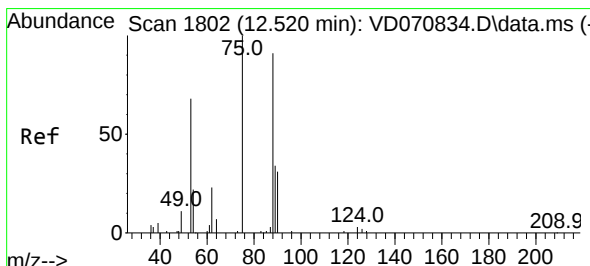
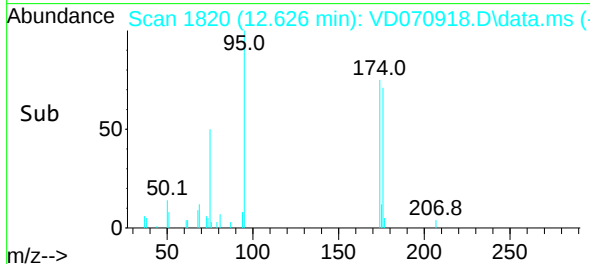
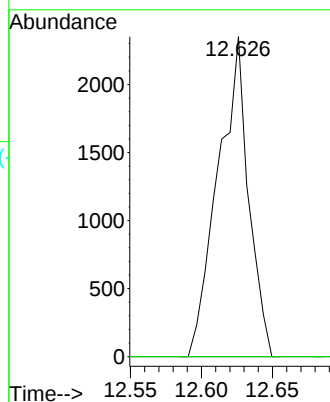
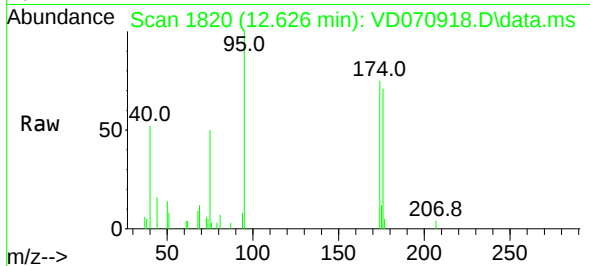




#76
1,2,3-Trichloropropane
Concen: 38.953 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

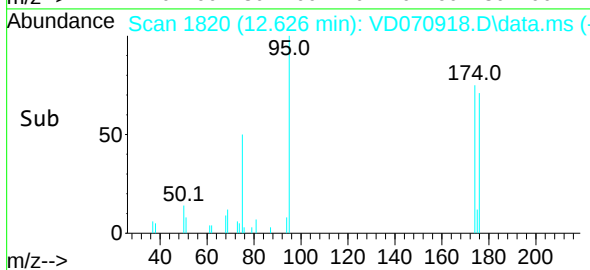
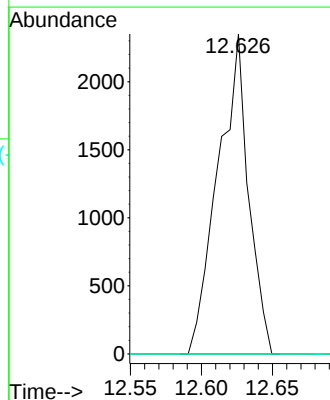
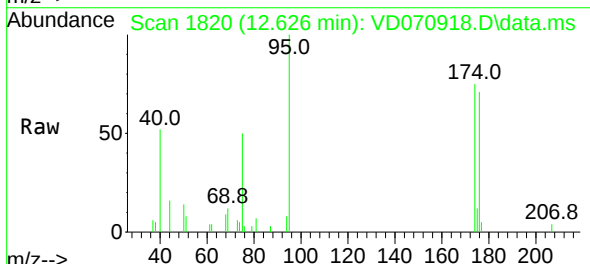
Instrument :
MSVOA_D
ClientSampleId :
30859

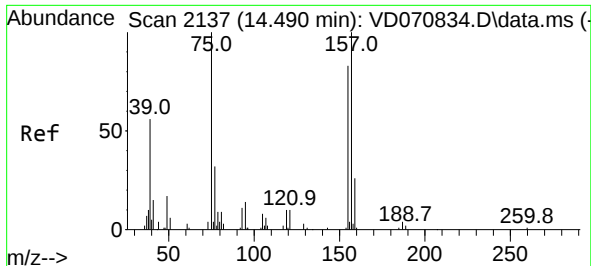
Tgt Ion: 75 Resp: 3504
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.237 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070918.D
Acq: 03 Nov 2021 18:56

Tgt Ion: 75 Resp: 3504
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.918 ug/l

RT: 14.573 min Scan# 2137

Delta R.T. 0.083 min

Lab File: VD070918.D

Acq: 03 Nov 2021 18:56

Instrument :

MSVOA_D

ClientSampleId :

30859

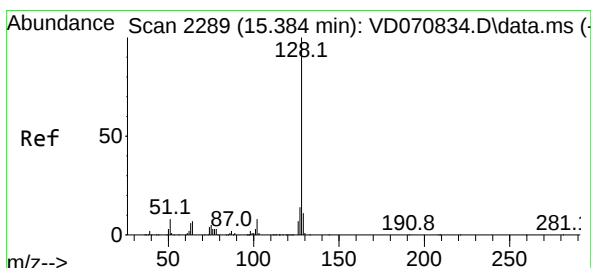
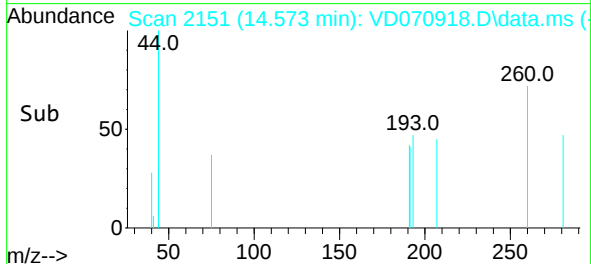
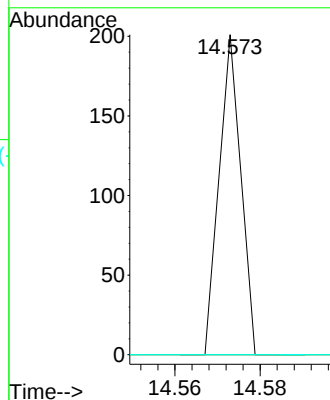
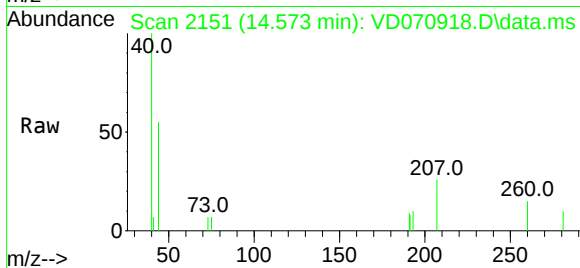
Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

155 0.0 40.0 120.0#

157 0.0 49.8 149.3#



#95

Naphthalene

Concen: 4.409 ug/l

RT: 15.396 min Scan# 2291

Delta R.T. 0.012 min

Lab File: VD070918.D

Acq: 03 Nov 2021 18:56

Tgt Ion: 128 Resp: 89

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 59.6 8.7 13.1#

