

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120121\
 Data File : VD071101.D
 Acq On : 01 Dec 2021 12:34
 Operator : VA/SY
 Sample : M4721-02
 Misc : 4.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-2

Quant Time: Dec 02 03:13:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

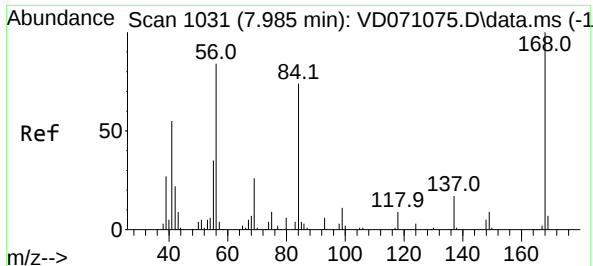
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	320295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	611629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	616193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	288812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	188703	50.210	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.420%	
35) Dibromofluoromethane	7.914	113	194697	49.989	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.980%	
50) Toluene-d8	10.337	98	791767	53.420	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.840%	
62) 4-Bromofluorobenzene	12.626	95	294031	57.230	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.460%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	148	4.596	ug/l #	83
11) Tert butyl alcohol	5.179	59	67	Below Cal	#	71
16) Acetone	4.161	43	1326	31.961	ug/l #	40
20) Methylene Chloride	4.973	84	8760	Below Cal	#	89
23) Vinyl Acetate	6.296	43	60	27.227	ug/l #	72
25) 2-Butanone	7.226	43	73	28.415	ug/l #	45
31) Cyclohexane	7.979	56	9746	1.525	ug/l #	26
36) 1,1-Dichloropropene	7.979	75	29270	5.120	ug/l #	49
38) Carbon Tetrachloride	7.973	117	34341	6.094	ug/l #	17
41) Methacrylonitrile	7.561	41	265	Below Cal	#	43
43) Isopropyl Acetate	8.514	43	168	5.251	ug/l #	47
51) 4-Methyl-2-Pentanone	10.237	43	580	30.835	ug/l #	34
56) Ethyl methacrylate	10.655	69	82	5.988	ug/l #	1
59) 2-Hexanone	10.984	43	425	34.748	ug/l	64
71) Bromoform	12.626	173	3323	1.537	ug/l #	1
74) N-amyl acetate	12.284	43	276	5.744	ug/l #	42
76) 1,2,3-Trichloropropane	12.626	75	164945	59.943	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	164945	129.788	ug/l #	18

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

Quant Time: Dec 02 03:13:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

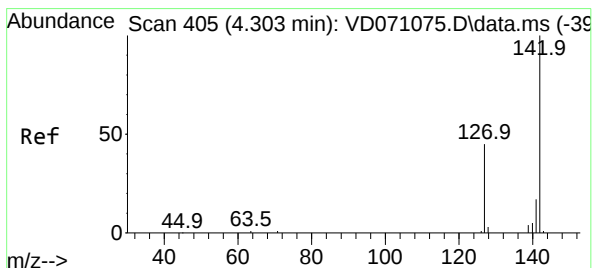
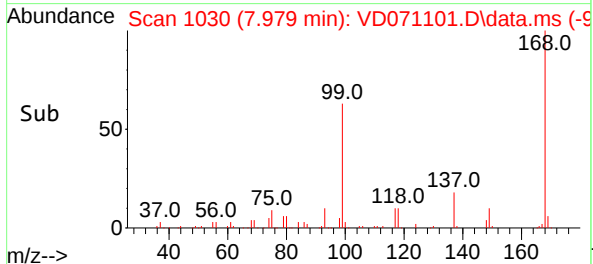
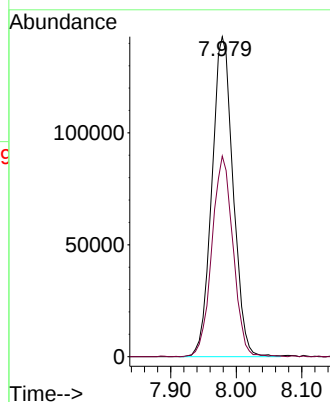
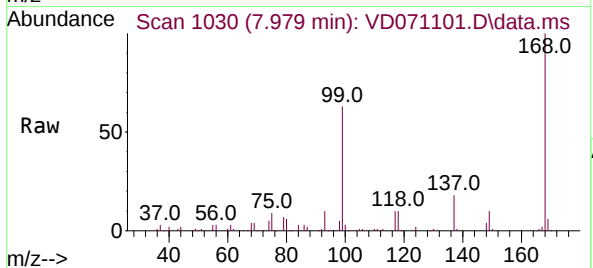




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071101.D
Acq: 01 Dec 2021 12:34

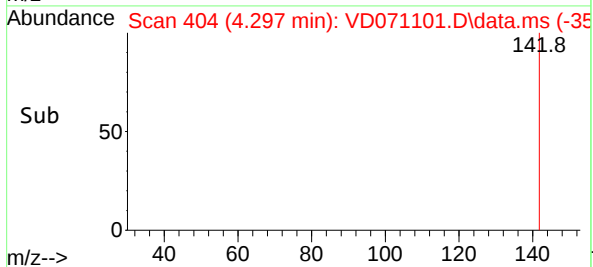
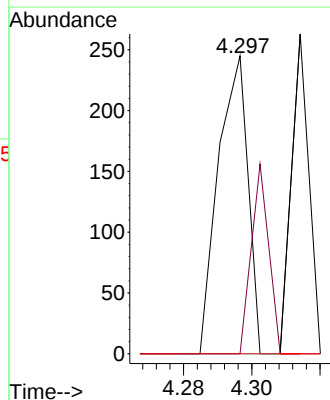
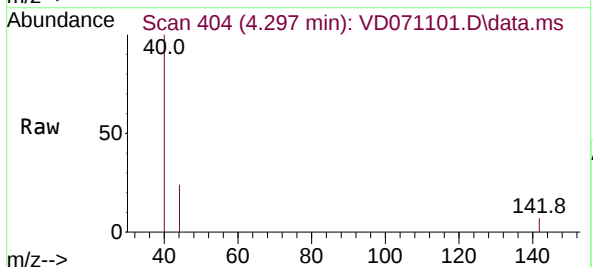
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2

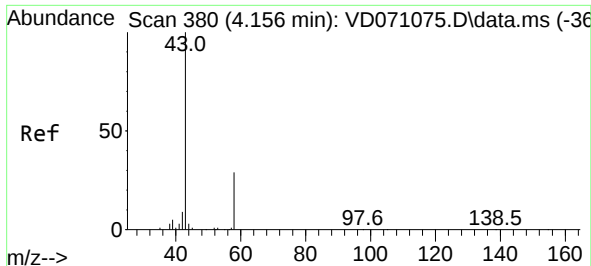
Tgt Ion:168 Resp: 320295
Ion Ratio Lower Upper
168 100
99 62.7 46.6 69.8



#10
Methyl Iodide
Concen: 4.596 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071101.D
Acq: 01 Dec 2021 12:34

Tgt Ion:142 Resp: 148
Ion Ratio Lower Upper
142 100
127 37.2 35.0 52.4
141 0.0 12.0 18.0#

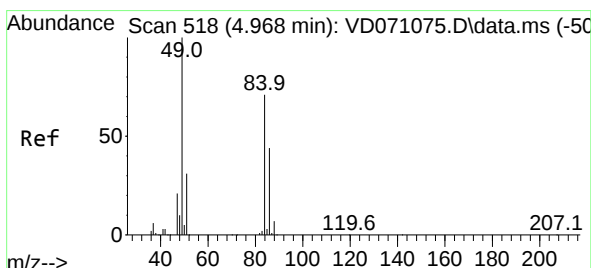
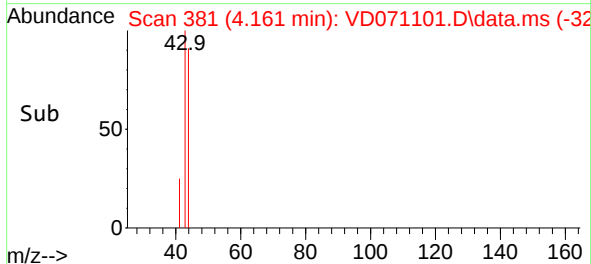
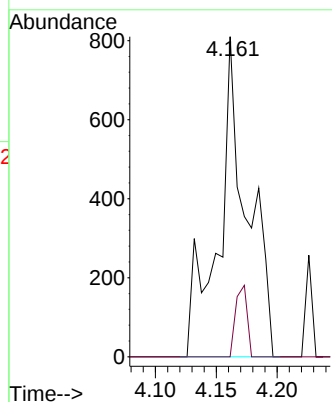
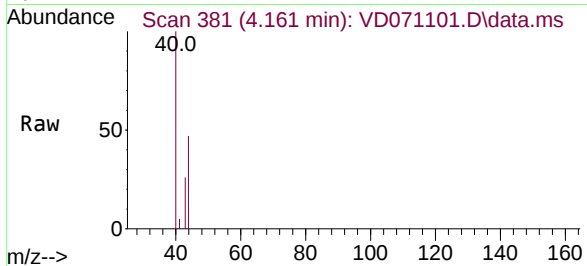




#16
Acetone
Concen: 31.961 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD071101.D
Acq: 01 Dec 2021 12:34

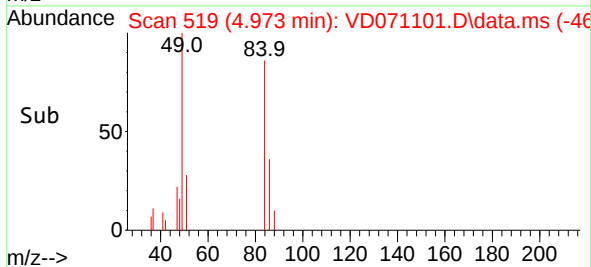
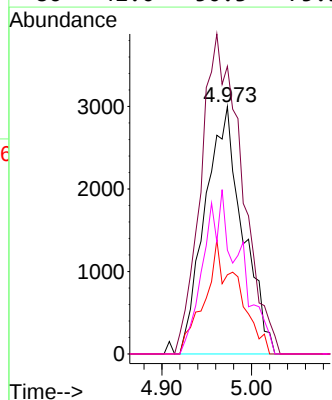
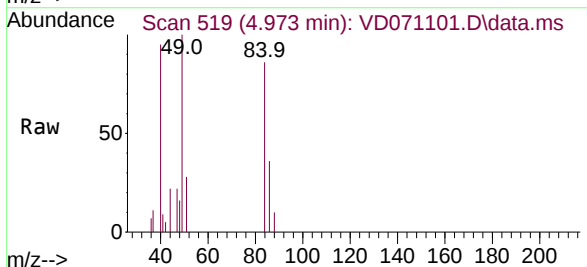
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2

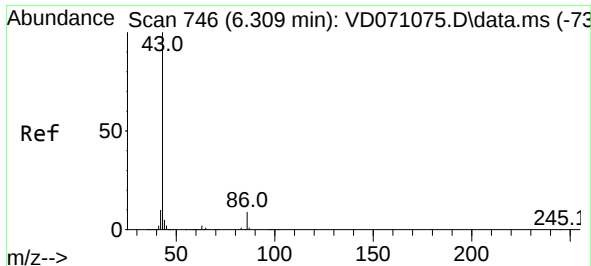
Tgt Ion: 43 Resp: 1326
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071101.D
Acq: 01 Dec 2021 12:34

Tgt Ion: 84 Resp: 8760
Ion Ratio Lower Upper
84 100
49 116.3 95.8 143.6
51 32.1 30.9 46.3
86 42.0 50.3 75.5#

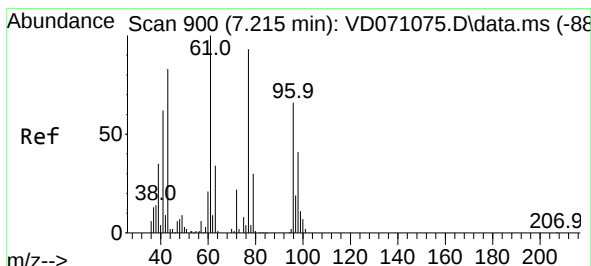
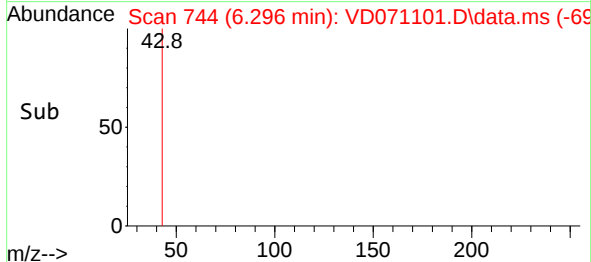
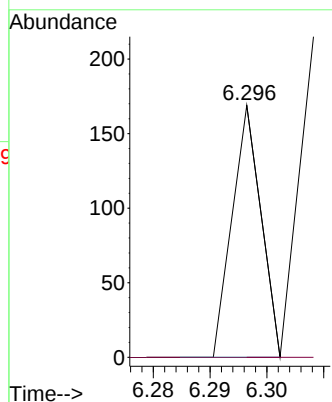
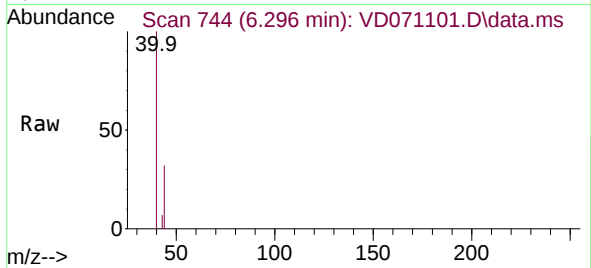




#23
 Vinyl Acetate
 Concen: 27.227 ug/l
 RT: 6.296 min Scan# 744
 Delta R.T. -0.013 min
 Lab File: VD071101.D
 Acq: 01 Dec 2021 12:34

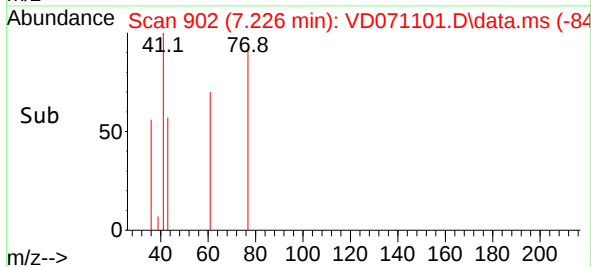
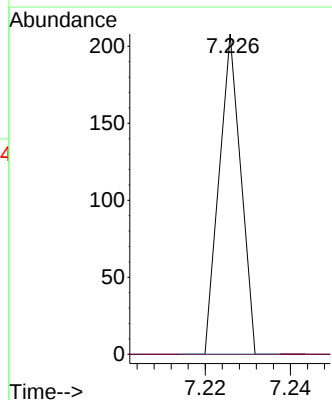
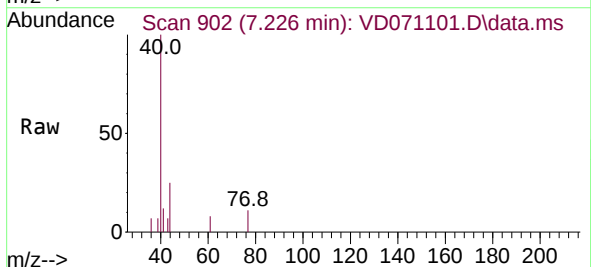
Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-2

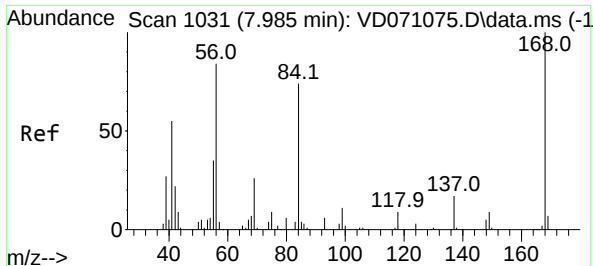
Tgt Ion: 43 Resp: 60
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.415 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.011 min
 Lab File: VD071101.D
 Acq: 01 Dec 2021 12:34

Tgt Ion: 43 Resp: 73
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.525 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071101.D

Acq: 01 Dec 2021 12:34

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-2

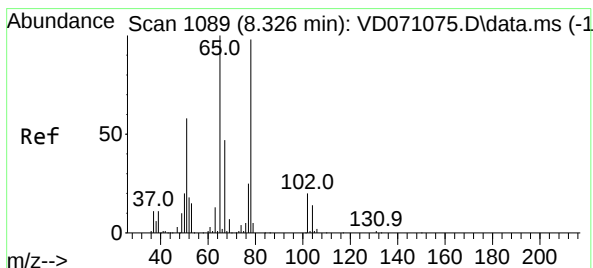
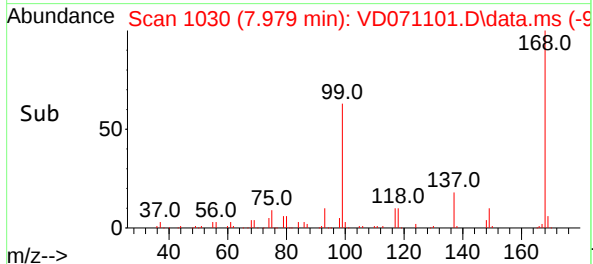
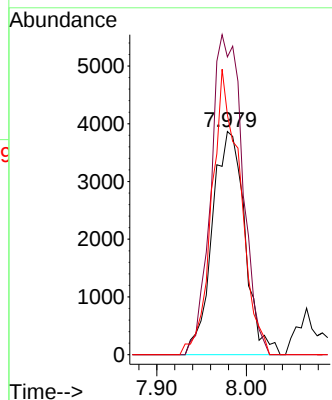
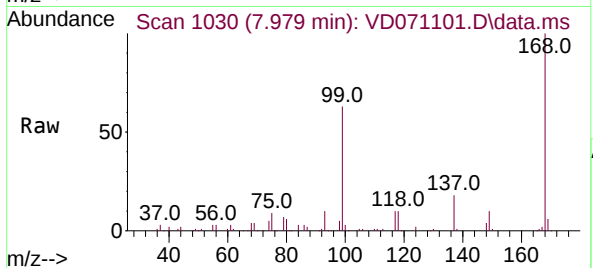
Tgt Ion: 56 Resp: 9746

Ion Ratio Lower Upper

56 100

69 133.4 25.9 38.9#

84 107.5 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 50.210 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071101.D

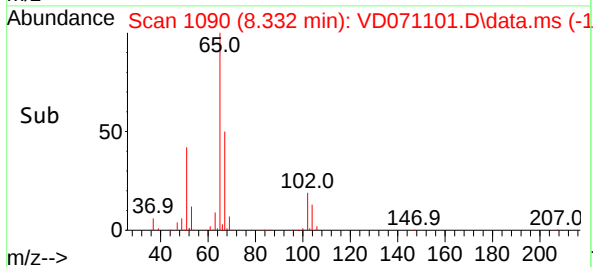
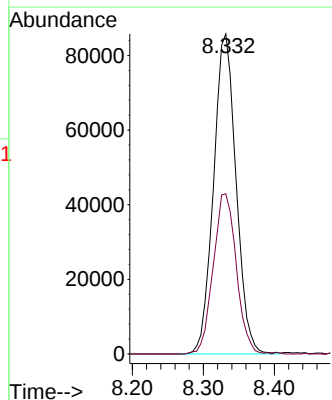
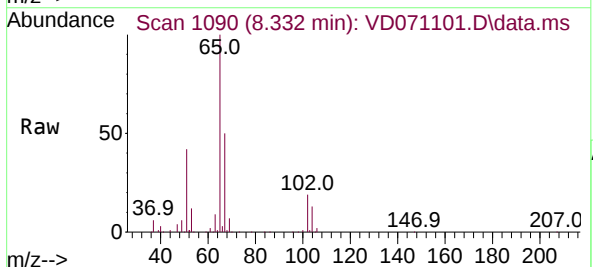
Acq: 01 Dec 2021 12:34

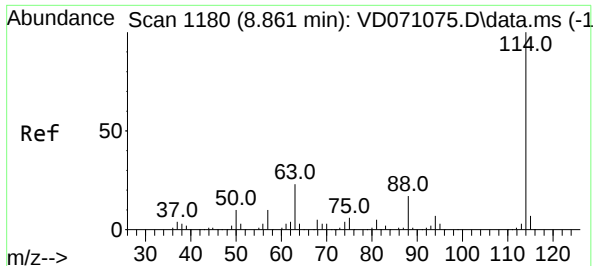
Tgt Ion: 65 Resp: 188703

Ion Ratio Lower Upper

65 100

67 51.2 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD071101.D

Acq: 01 Dec 2021 12:34

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-2

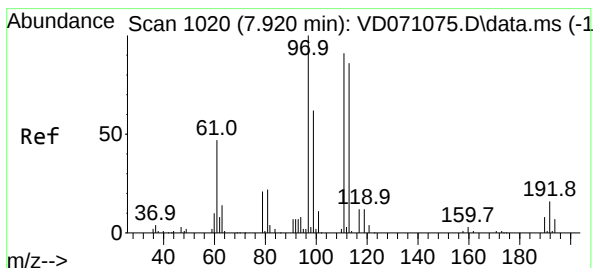
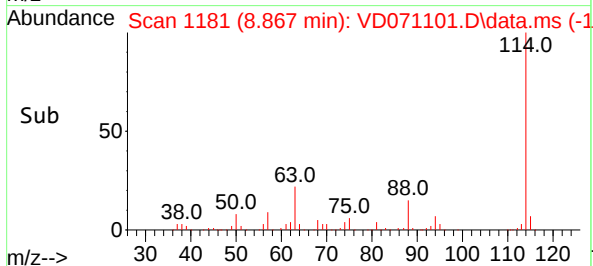
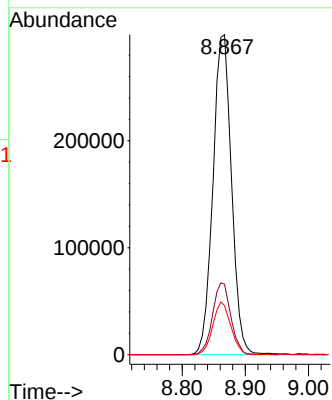
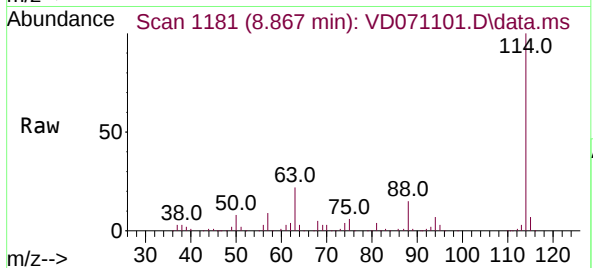
Tgt Ion:114 Resp: 611629

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 15.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.989 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071101.D

Acq: 01 Dec 2021 12:34

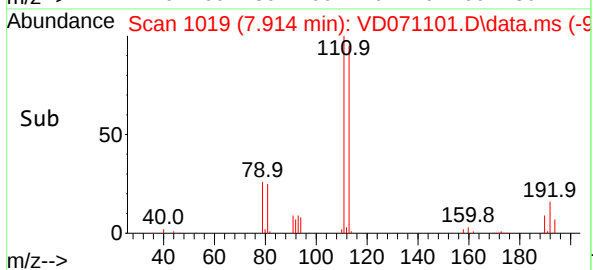
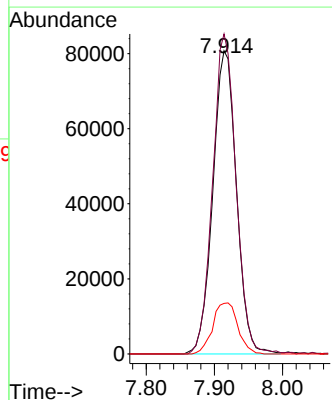
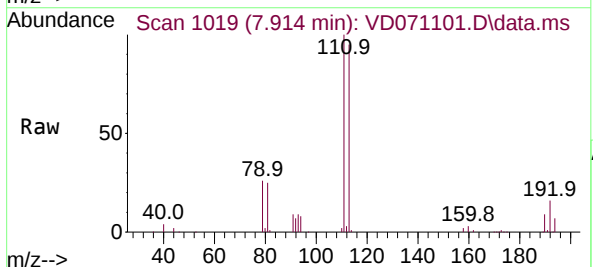
Tgt Ion:113 Resp: 194697

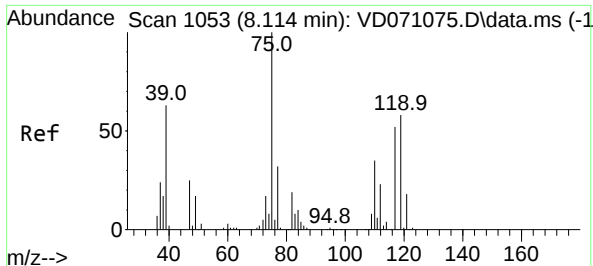
Ion Ratio Lower Upper

113 100

111 104.5 82.0 123.0

192 17.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.120 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD071101.D

Acq: 01 Dec 2021 12:34

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-2

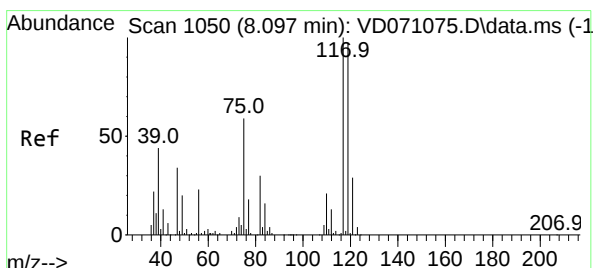
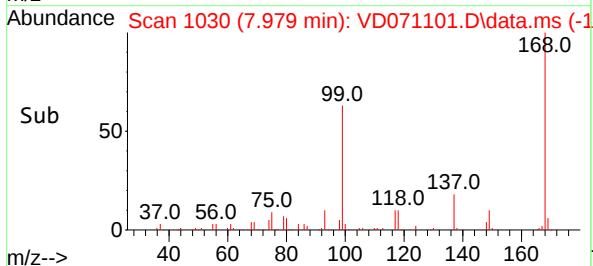
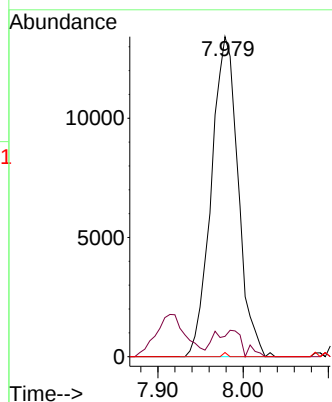
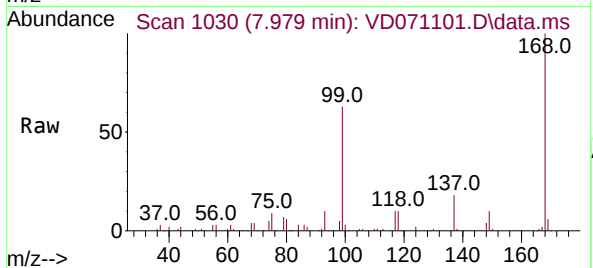
Tgt Ion: 75 Resp: 29270

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.4#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.094 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071101.D

Acq: 01 Dec 2021 12:34

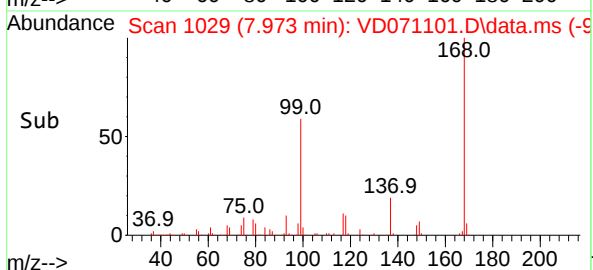
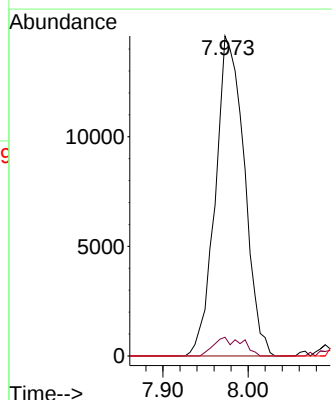
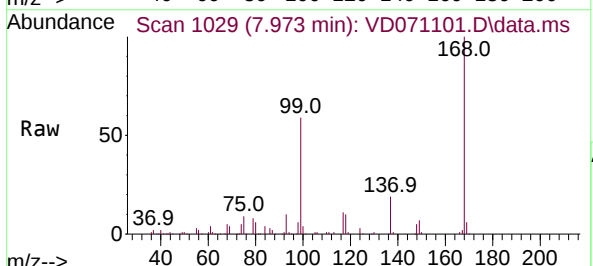
Tgt Ion: 117 Resp: 34341

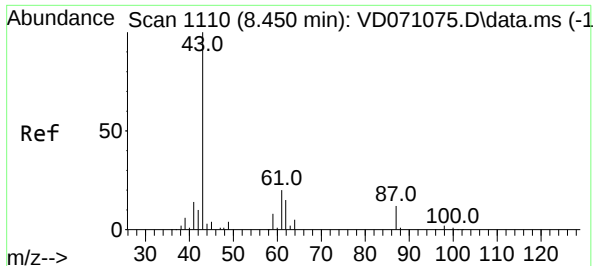
Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.251 ug/l

RT: 8.514 min Scan# 1110

Delta R.T. 0.064 min

Lab File: VD071101.D

Acq: 01 Dec 2021 12:34

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-2

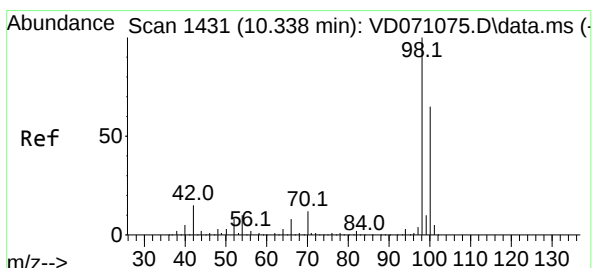
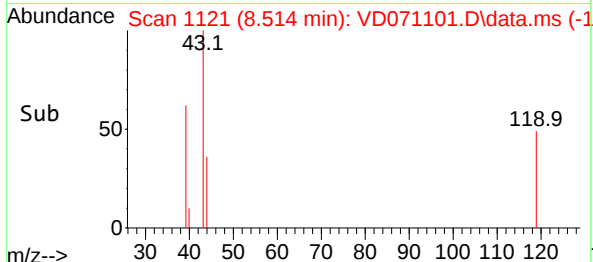
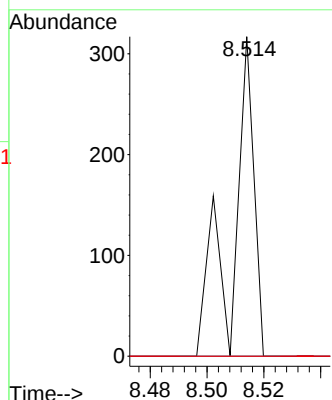
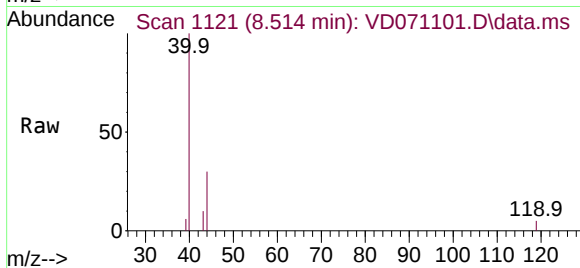
Tgt Ion: 43 Resp: 168

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.420 ug/l

RT: 10.337 min Scan# 1431

Delta R.T. -0.001 min

Lab File: VD071101.D

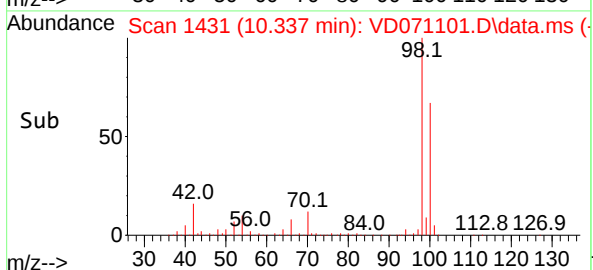
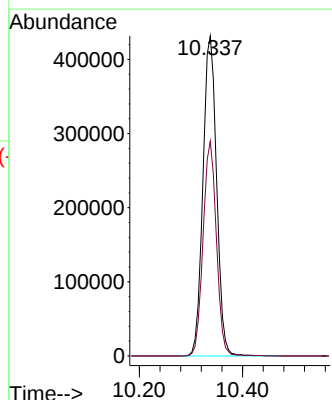
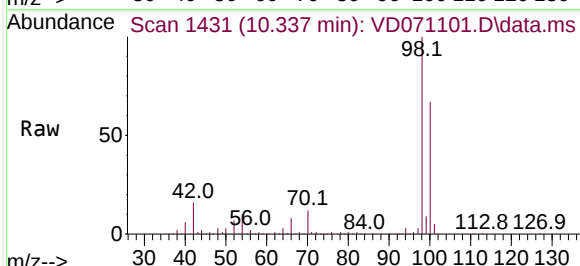
Acq: 01 Dec 2021 12:34

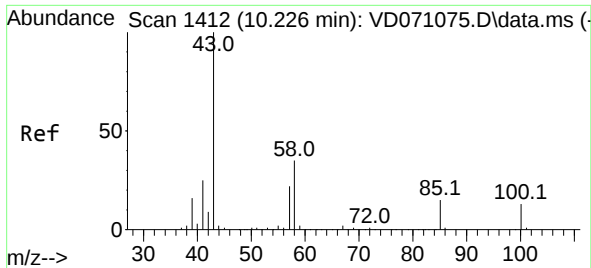
Tgt Ion: 98 Resp: 791767

Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 30.835 ug/l

RT: 10.237 min Scan# 1412

Delta R.T. 0.011 min

Lab File: VD071101.D

Acq: 01 Dec 2021 12:34

Instrument :

MSVOA_D

ClientSampleId :

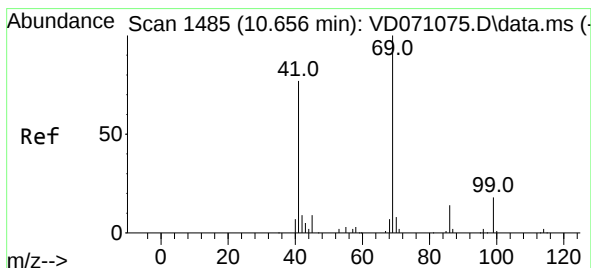
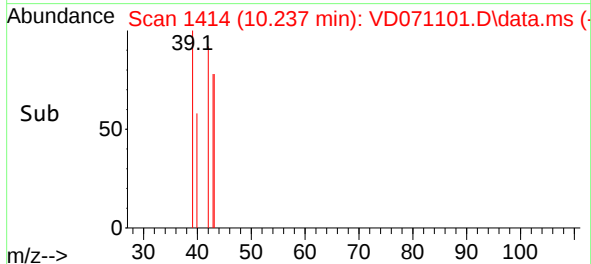
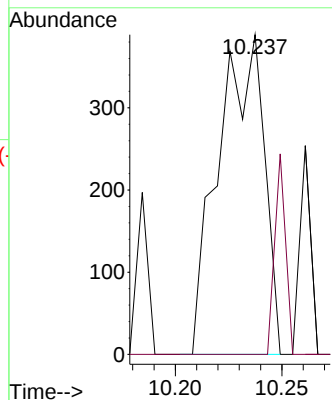
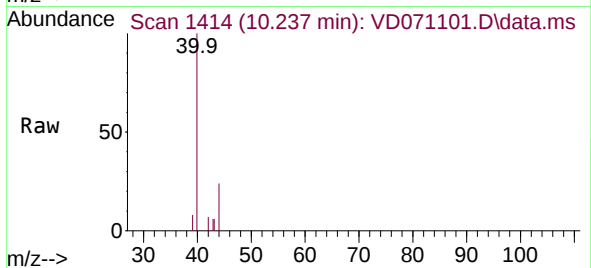
SAMPLE-2

Tgt Ion: 43 Resp: 580

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



#56

Ethyl methacrylate

Concen: 5.988 ug/l

RT: 10.655 min Scan# 1485

Delta R.T. -0.001 min

Lab File: VD071101.D

Acq: 01 Dec 2021 12:34

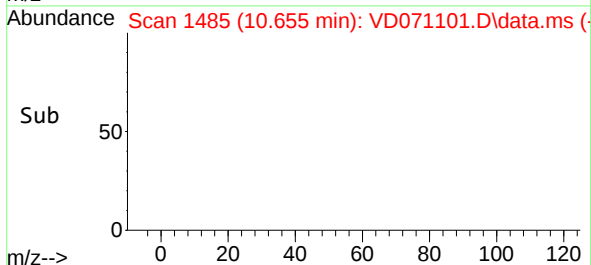
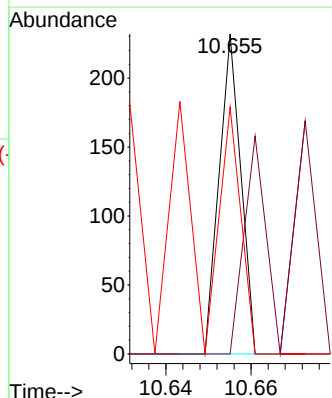
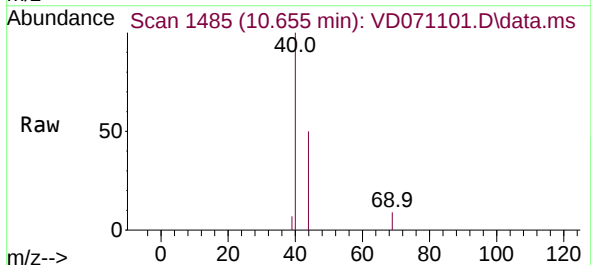
Tgt Ion: 69 Resp: 82

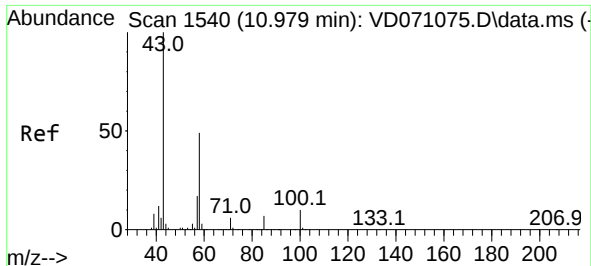
Ion Ratio Lower Upper

69 100

41 0.0 50.2 75.2#

39 156.1 19.8 29.8#

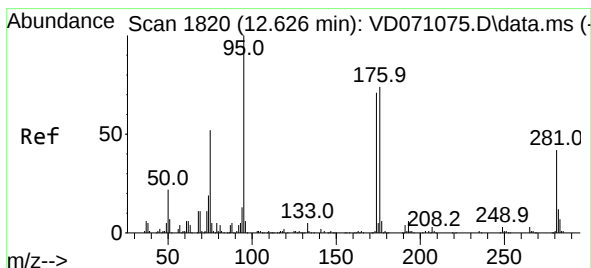
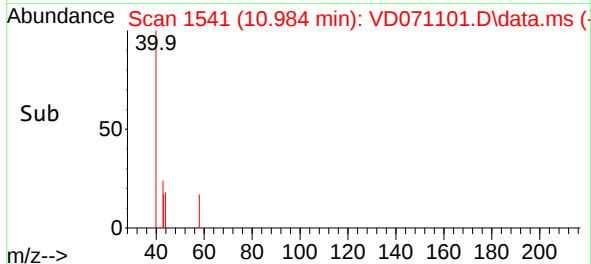
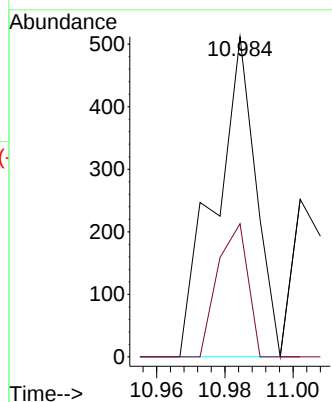
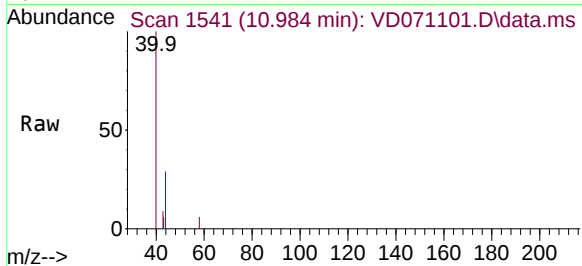




#59
2-Hexanone
Concen: 34.748 ug/l
RT: 10.984 min Scan# 11
Delta R.T. 0.005 min
Lab File: VD071101.D
Acq: 01 Dec 2021 12:34

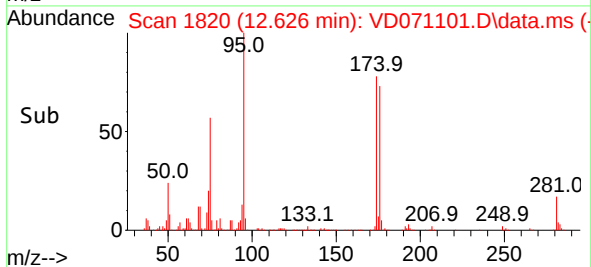
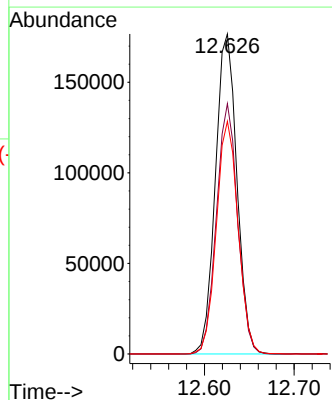
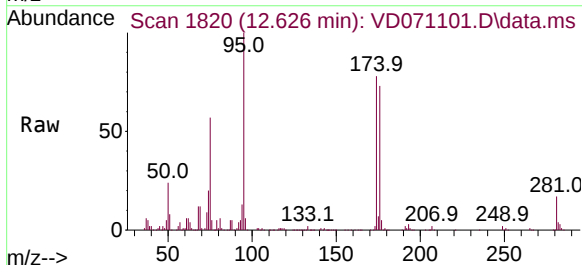
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2

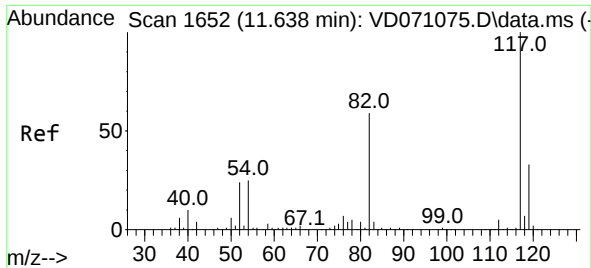
Tgt Ion: 43 Resp: 425
Ion Ratio Lower Upper
43 100
58 30.8 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 57.230 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071101.D
Acq: 01 Dec 2021 12:34

Tgt Ion: 95 Resp: 294031
Ion Ratio Lower Upper
95 100
174 76.9 0.0 159.4
176 73.4 0.0 154.0

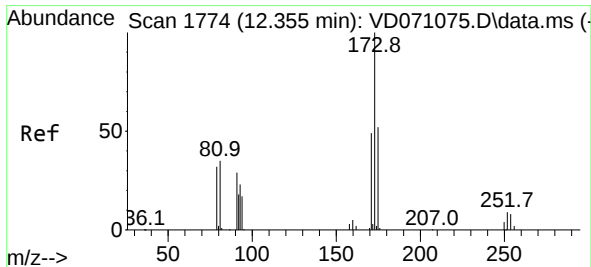
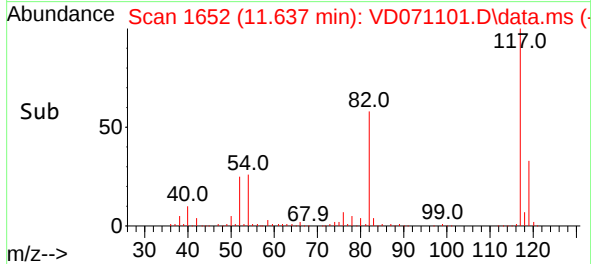
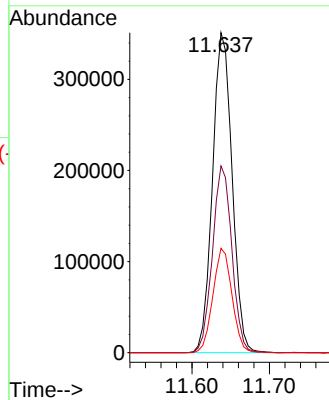
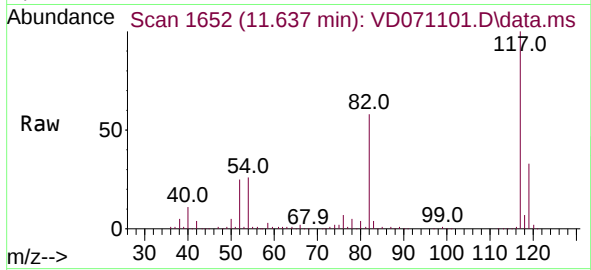




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD071101.D
Acq: 01 Dec 2021 12:34

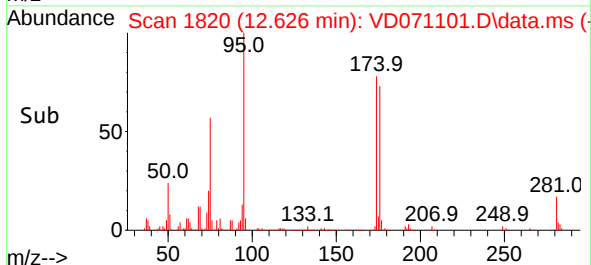
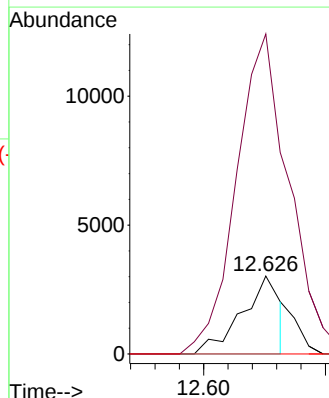
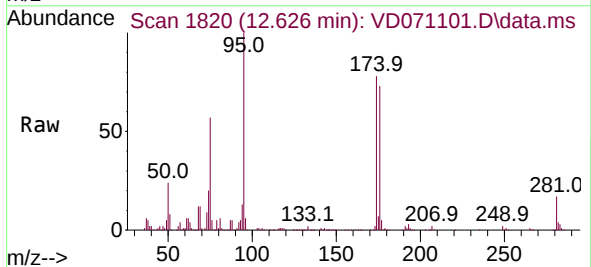
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2

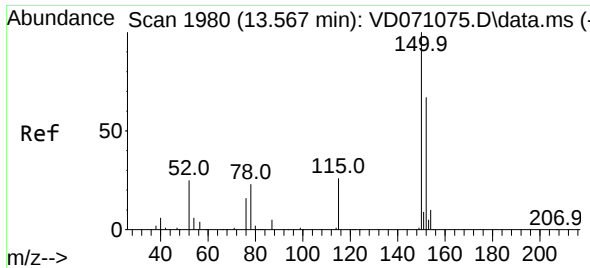
Tgt Ion:117 Resp: 616193
Ion Ratio Lower Upper
117 100
82 58.3 44.7 67.1
119 32.6 26.2 39.4



#71
Bromoform
Concen: 1.537 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071101.D
Acq: 01 Dec 2021 12:34

Tgt Ion:173 Resp: 3323
Ion Ratio Lower Upper
173 100
175 454.5 24.1 72.2#
254 0.0 0.1 0.1#

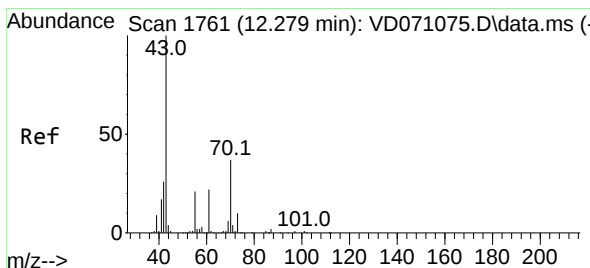
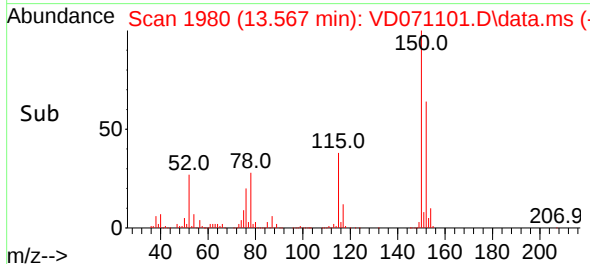
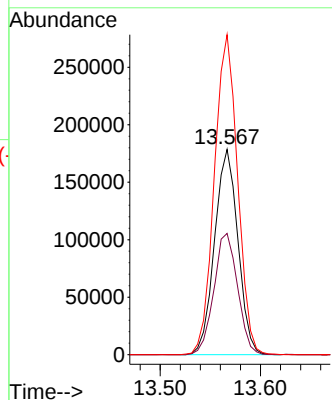
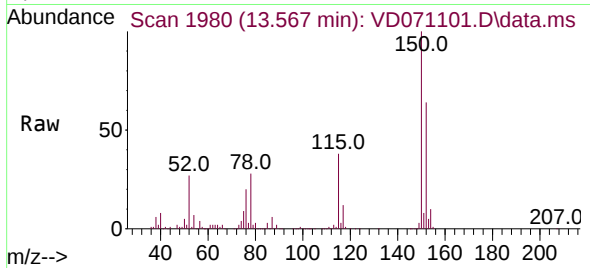




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071101.D
Acq: 01 Dec 2021 12:34

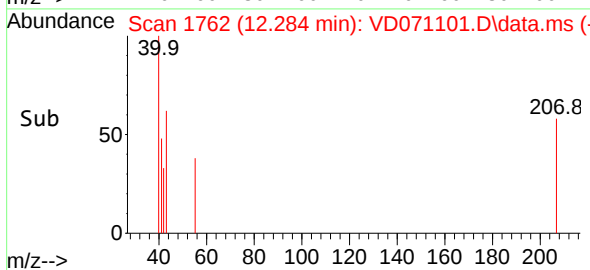
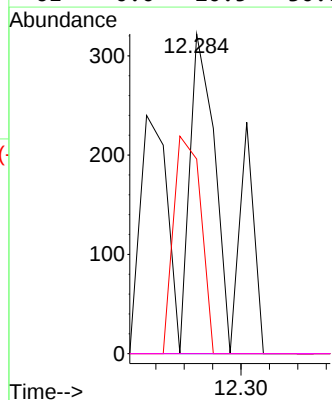
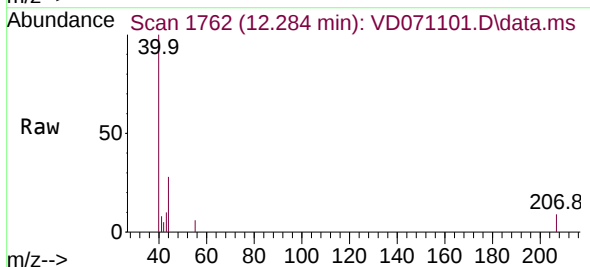
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-2

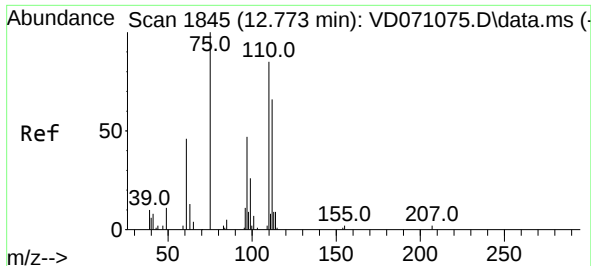
Tgt Ion:152 Resp: 288812
Ion Ratio Lower Upper
152 100
115 60.0 29.8 89.3
150 155.3 0.0 349.2



#74
N-ethyl acetate
Concen: 5.744 ug/l
RT: 12.284 min Scan# 1762
Delta R.T. 0.005 min
Lab File: VD071101.D
Acq: 01 Dec 2021 12:34

Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 52.9 22.5 33.7#
61 0.0 20.5 30.7#

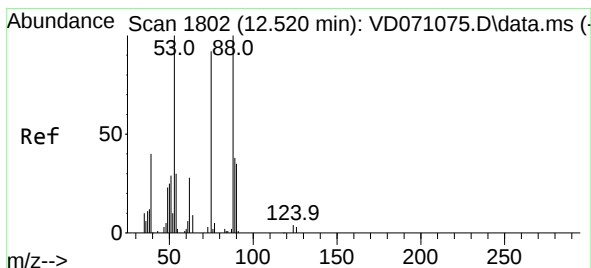
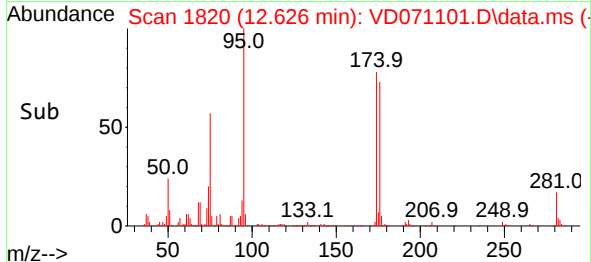
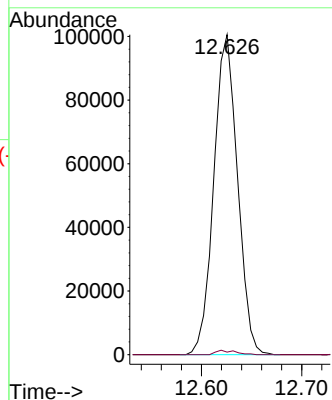
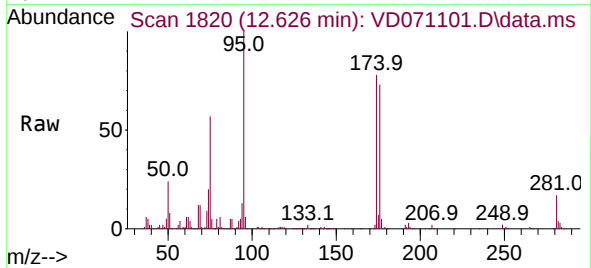




#76
 1,2,3-Trichloropropane
 Concen: 59.943 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071101.D
 Acq: 01 Dec 2021 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-2

Tgt Ion: 75 Resp: 164945
 Ion Ratio Lower Upper
 75 100
 77 1.1 158.4 475.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.788 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD071101.D
 Acq: 01 Dec 2021 12:34

Tgt Ion: 75 Resp: 164945
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.2 34.5 51.7#

