

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071300.D
 Acq On : 13 Dec 2021 16:56
 Operator : VA/SY
 Sample : M5030-03
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:14:40 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	241075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	423715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	470334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	228312	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	129760	45.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.740%
35) Dibromofluoromethane	7.914	113	131755	48.831	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.660%
50) Toluene-d8	10.338	98	549426	53.509	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.020%
62) 4-Bromofluorobenzene	12.626	95	228679	64.249	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.500%

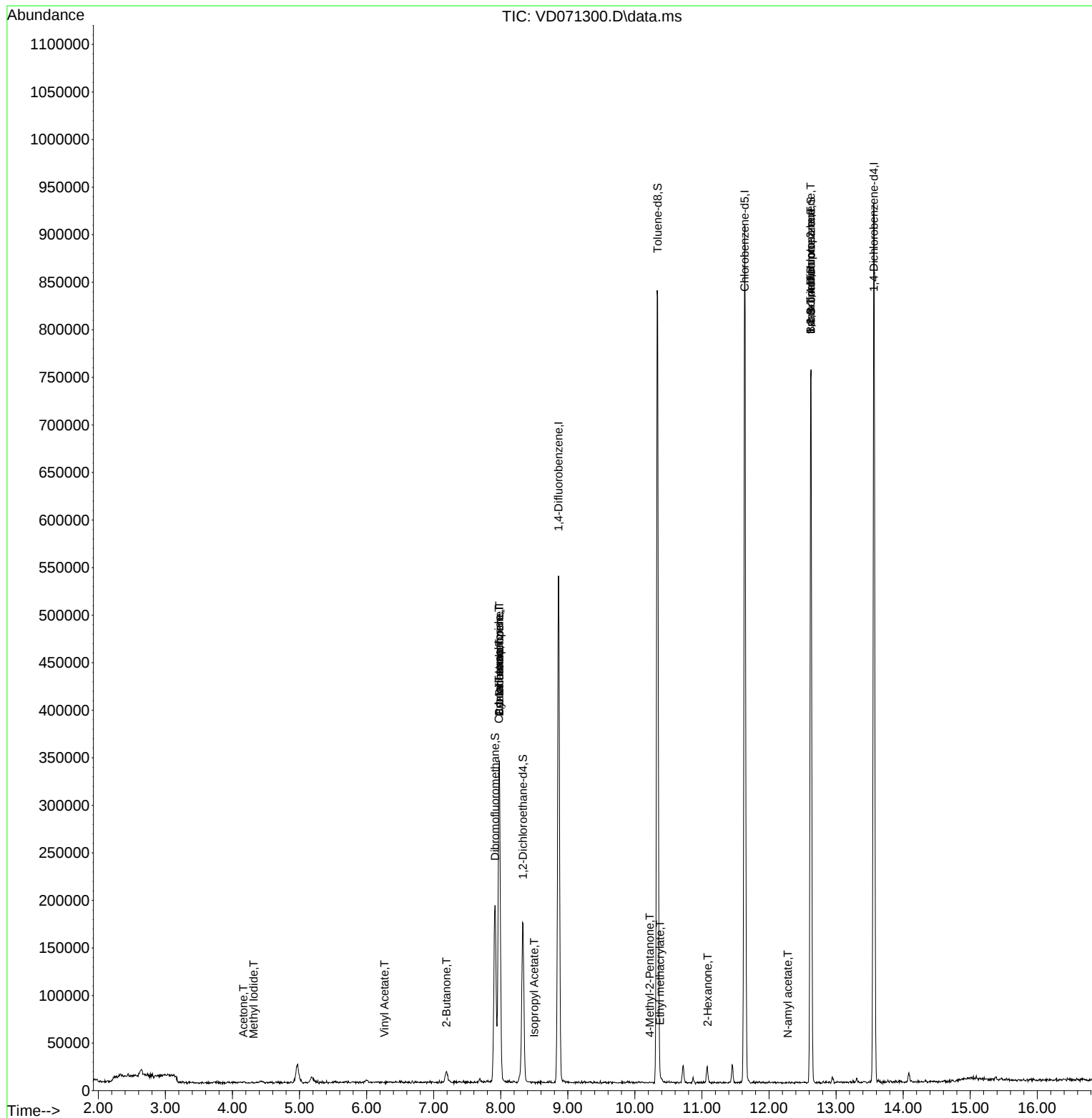
Target Compounds			Qvalue			
10) Methyl Iodide	4.315	142	78	4.586	ug/l #	40
11) Tert butyl alcohol	5.185	59	5343	Below Cal	#	74
16) Acetone	4.162	43	2116	33.266	ug/l #	40
23) Vinyl Acetate	6.267	43	59	27.230	ug/l #	72
25) 2-Butanone	7.191	43	599	28.971	ug/l #	45
31) Cyclohexane	7.979	56	7336	1.525	ug/l #	25
36) 1,1-Dichloropropene	7.979	75	23052	5.821	ug/l #	46
38) Carbon Tetrachloride	7.973	117	26471	6.781	ug/l #	16
41) Methacrylonitrile	7.514	41	69	Below Cal	#	34
43) Isopropyl Acetate	8.497	43	54	5.236	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	473	30.867	ug/l #	34
56) Ethyl methacrylate	10.373	69	58	5.989	ug/l #	28
59) 2-Hexanone	11.085	43	90	34.627	ug/l	71
71) Bromoform	12.620	173	1725	1.045	ug/l #	1
74) N-amyl acetate	12.279	43	70	5.715	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	128631	59.134	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	128631	128.112	ug/l #	18

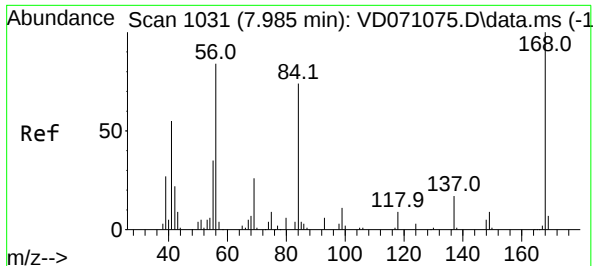
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
Data File : VD071300.D
Acq On : 13 Dec 2021 16:56
Operator : VA/SY
Sample : M5030-03
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 14 08:14:40 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

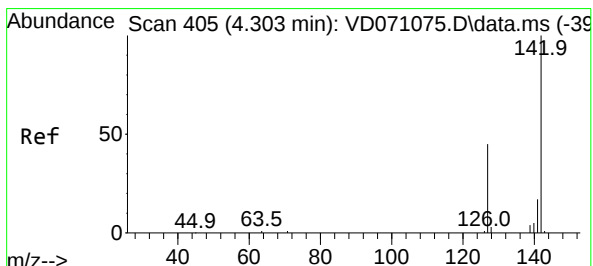
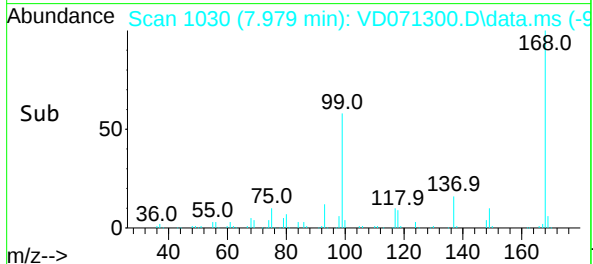
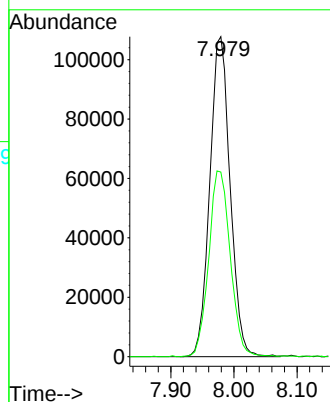
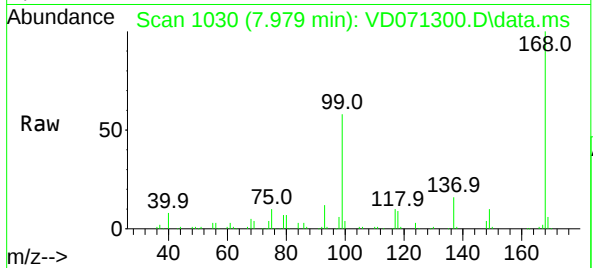




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

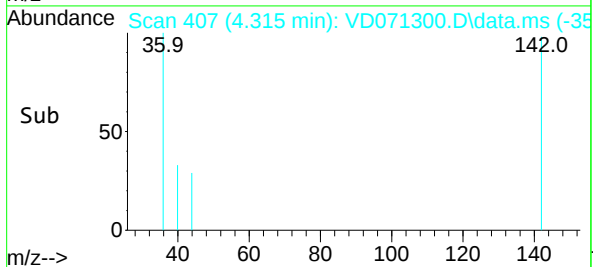
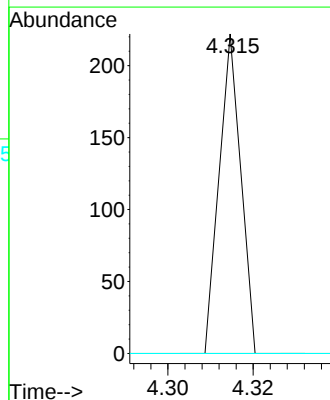
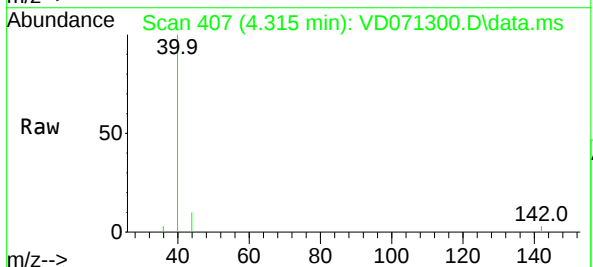
Instrument :
MSVOA_D
ClientSampleId :

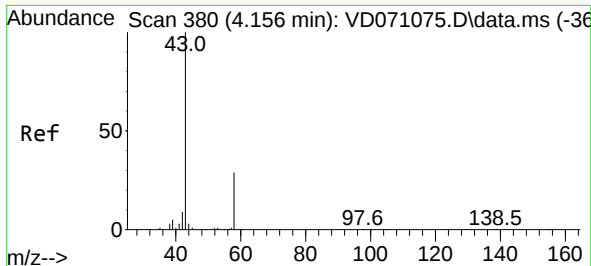
Tgt Ion:168 Resp: 241075
Ion Ratio Lower Upper
168 100
99 57.7 46.6 69.8



#10
Methyl Iodide
Concen: 4.586 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

Tgt Ion:142 Resp: 78
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

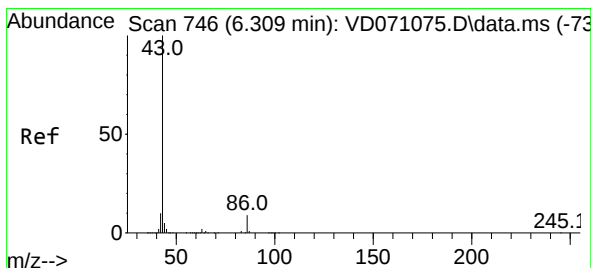
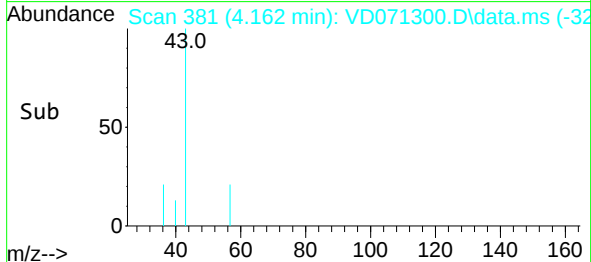
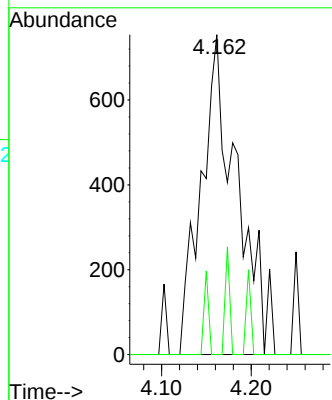
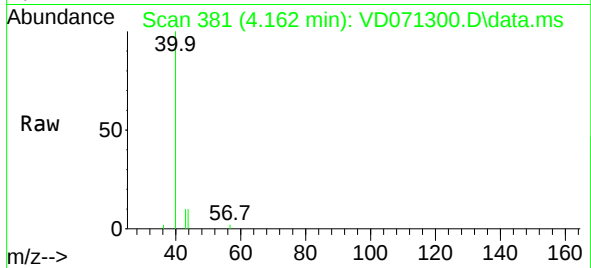




#16
Acetone
Concen: 33.266 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

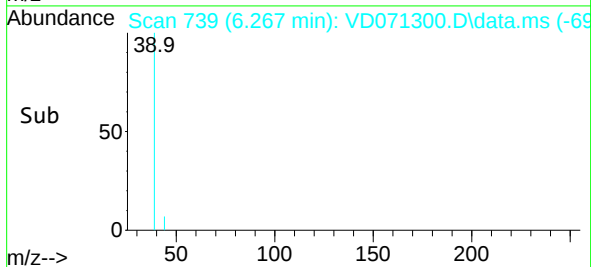
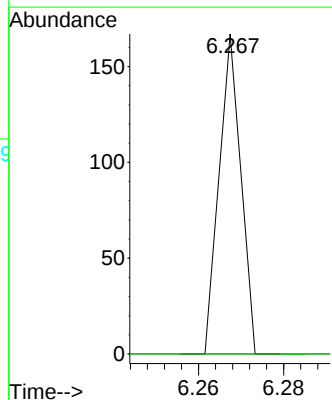
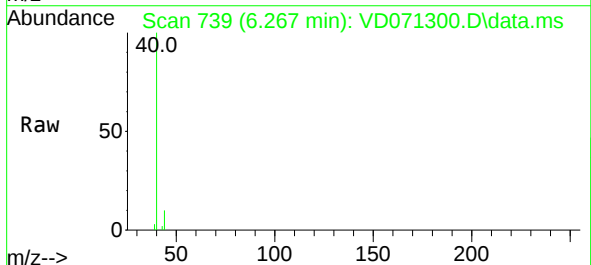
Instrument :
MSVOA_D
ClientSampleId :

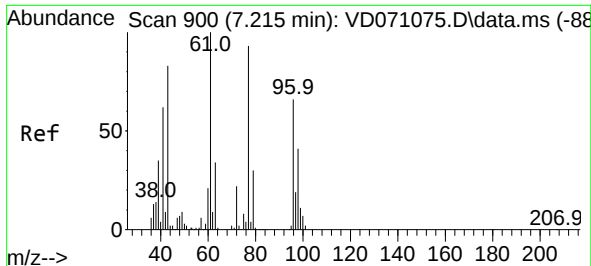
Tgt Ion: 43 Resp: 2116
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.230 ug/l
RT: 6.267 min Scan# 739
Delta R.T. -0.042 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

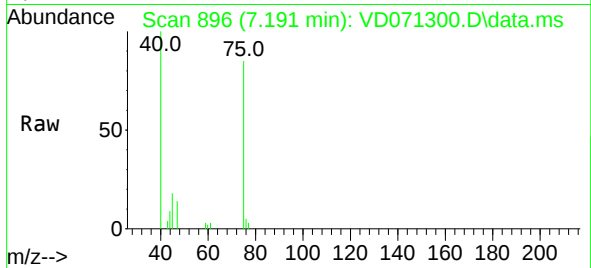
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



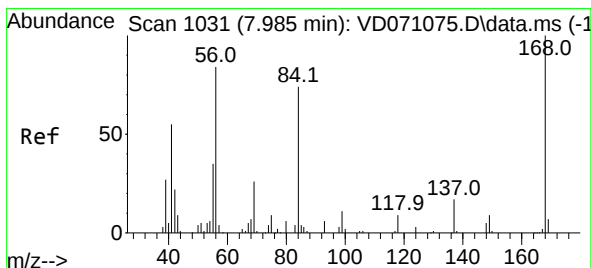
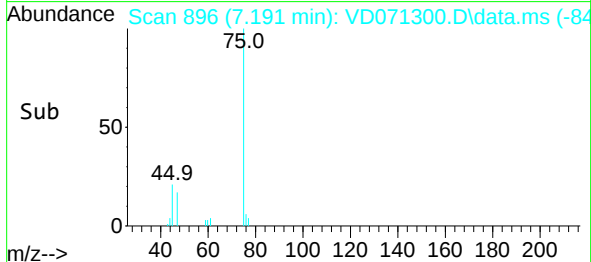
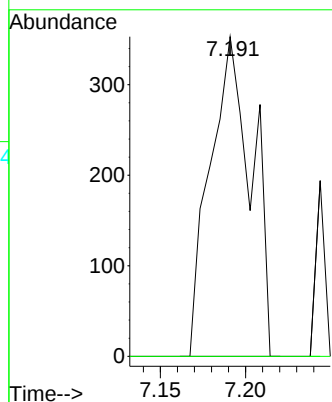


#25
2-Butanone
Concen: 28.971 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.024 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

Instrument :
MSVOA_D
ClientSampleId :

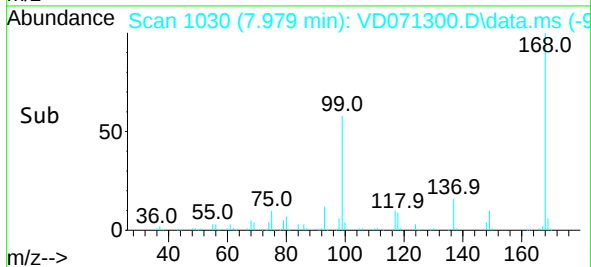
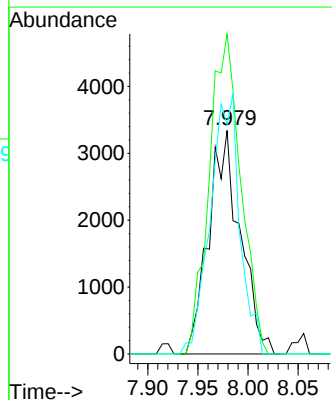
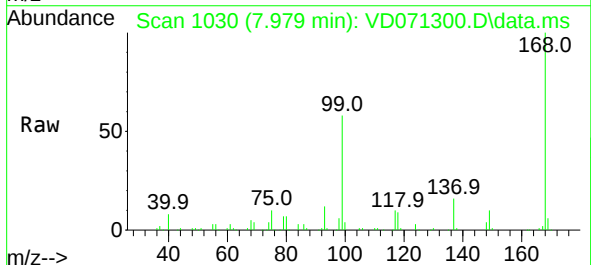


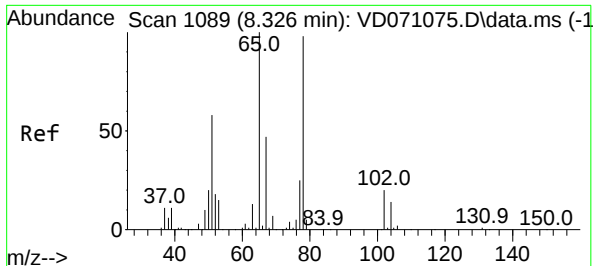
Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.525 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

Tgt Ion: 56 Resp: 7336
Ion Ratio Lower Upper
56 100
69 143.1 25.9 38.9#
84 102.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 45.872 ug/l

RT: 8.332 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VD071300.D

Acq: 13 Dec 2021 16:56

Instrument :

MSVOA_D

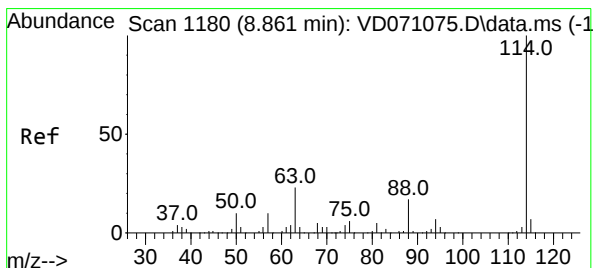
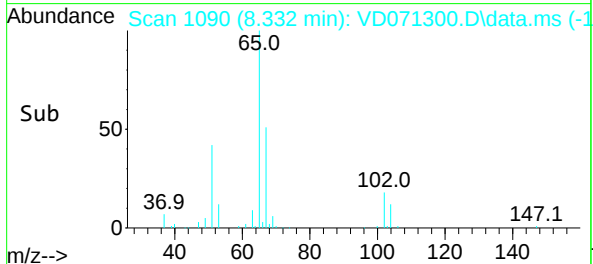
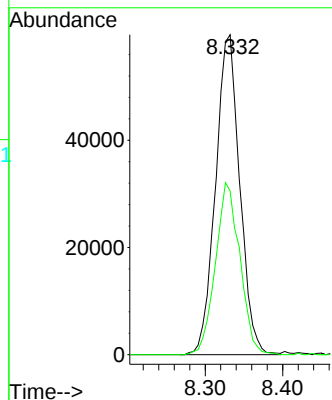
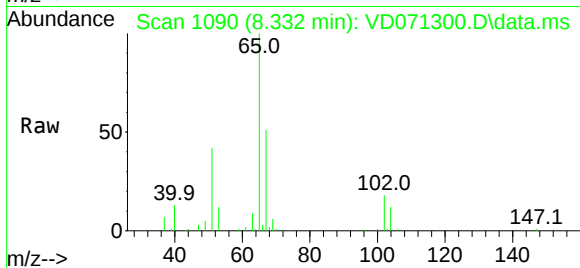
ClientSampleId :

Tgt Ion: 65 Resp: 129760

Ion Ratio Lower Upper

65 100

67 54.2 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: VD071300.D

Acq: 13 Dec 2021 16:56

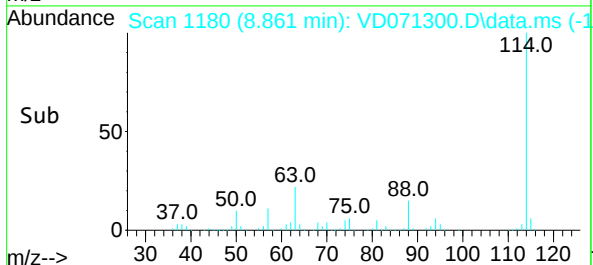
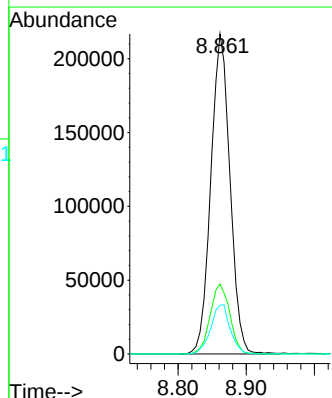
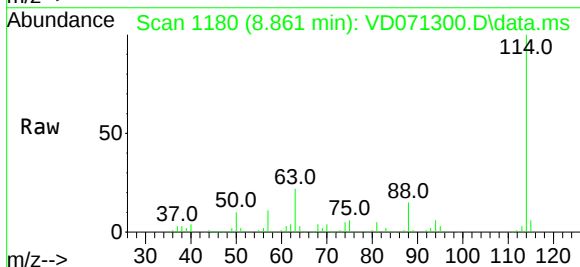
Tgt Ion: 114 Resp: 423715

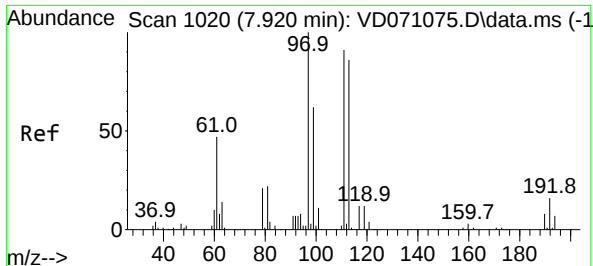
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 15.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.831 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

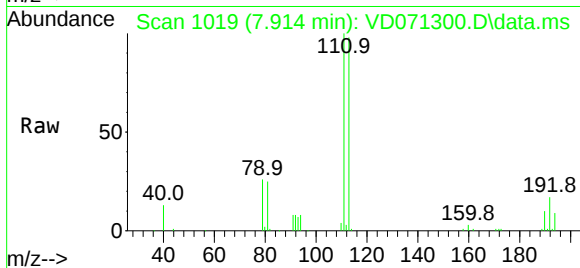
Lab File: VD071300.D

Acq: 13 Dec 2021 16:56

Instrument :

MSVOA_D

ClientSampleId :



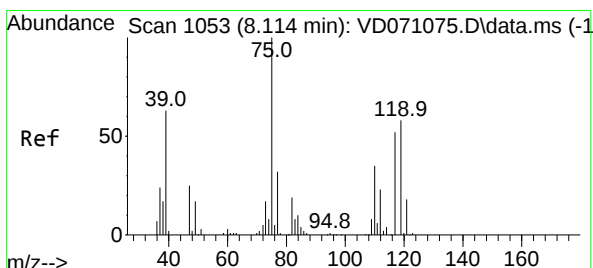
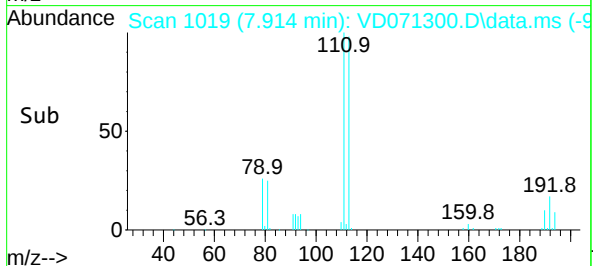
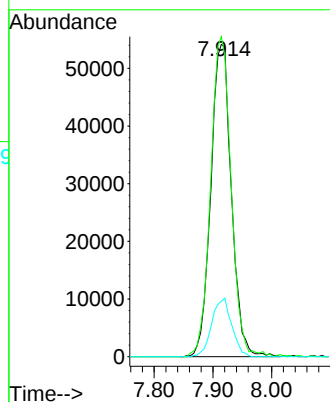
Tgt Ion:113 Resp: 131755

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

192 18.1 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.821 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071300.D

Acq: 13 Dec 2021 16:56

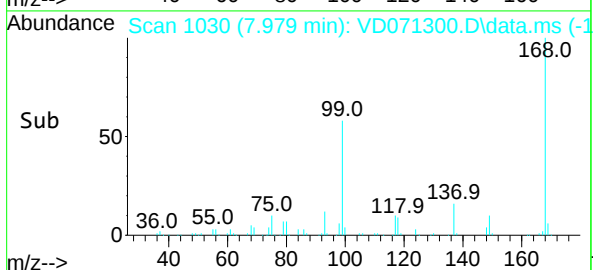
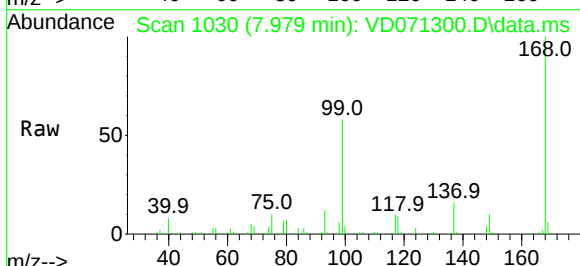
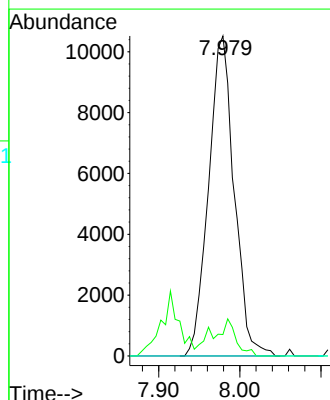
Tgt Ion: 75 Resp: 23052

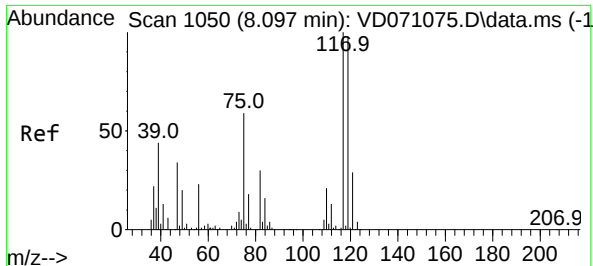
Ion Ratio Lower Upper

75 100

110 4.8 17.8 53.4#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.781 ug/l

RT: 7.973 min Scan# 1109

Delta R.T. -0.124 min

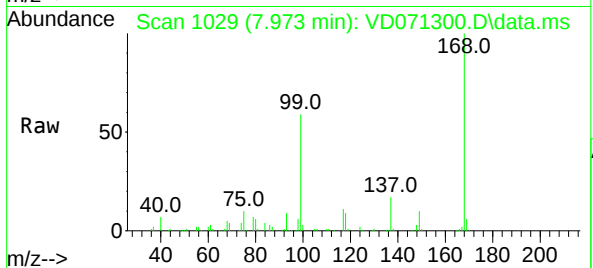
Lab File: VD071300.D

Acq: 13 Dec 2021 16:56

Instrument :

MSVOA_D

ClientSampleId :



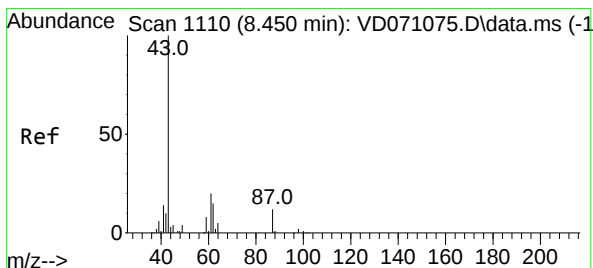
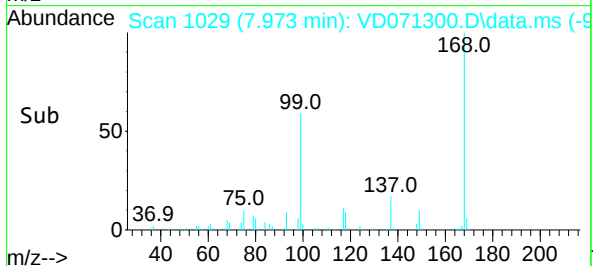
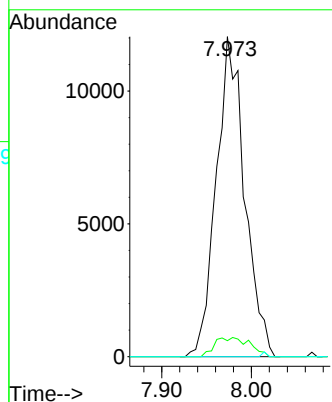
Tgt Ion:117 Resp: 26471

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 23.6 35.4#



#43

Isopropyl Acetate

Concen: 5.236 ug/l

RT: 8.497 min Scan# 1118

Delta R.T. 0.047 min

Lab File: VD071300.D

Acq: 13 Dec 2021 16:56

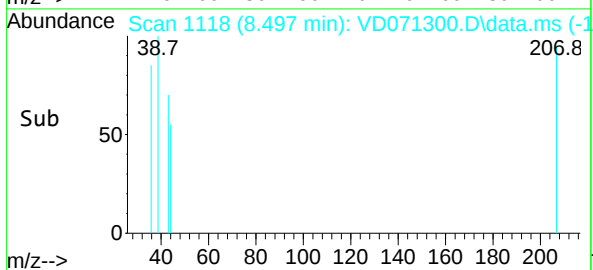
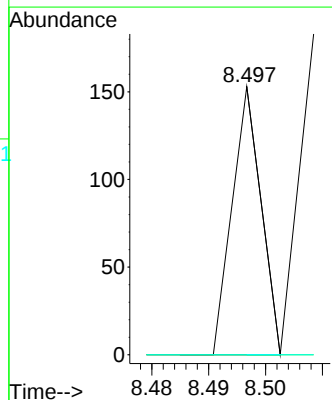
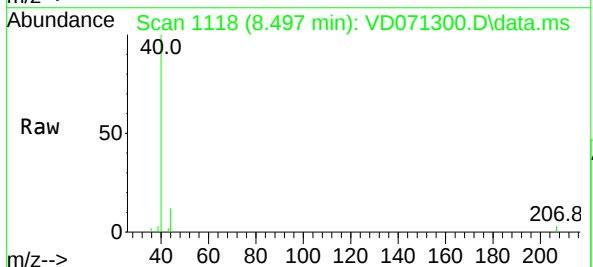
Tgt Ion: 43 Resp: 54

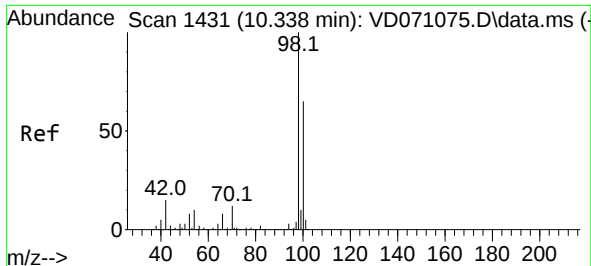
Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#

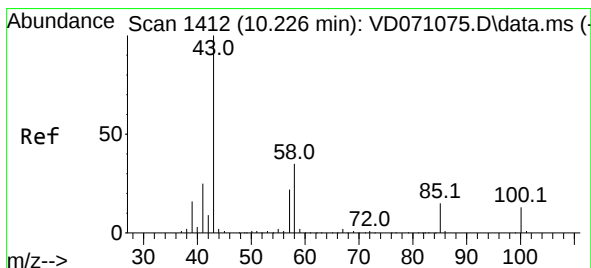
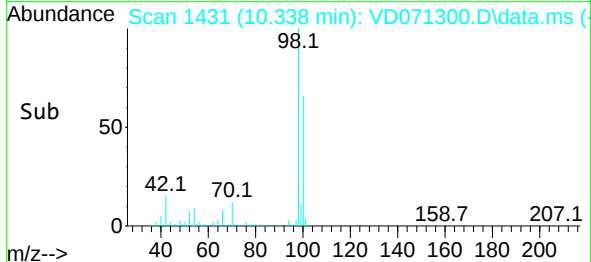
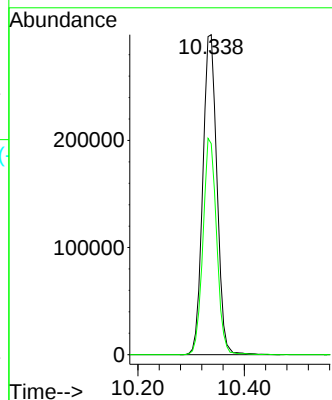
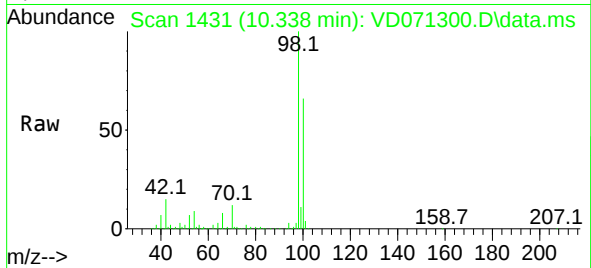




#50
Toluene-d8
Concen: 53.509 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

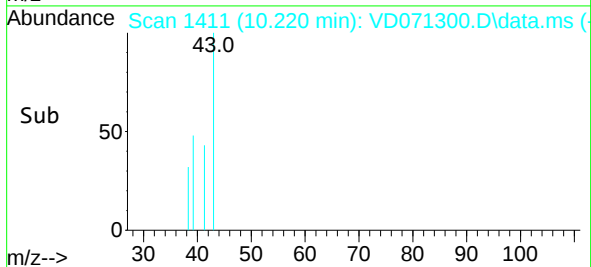
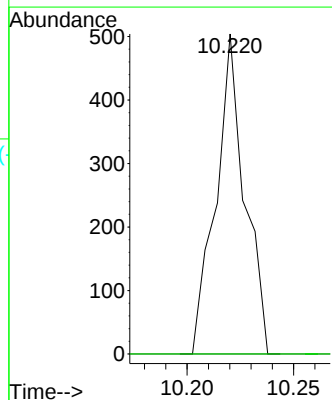
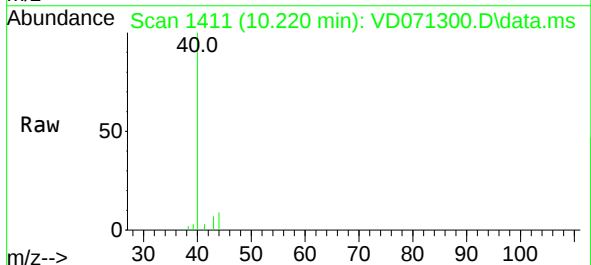
Instrument :
MSVOA_D
ClientSampleId :

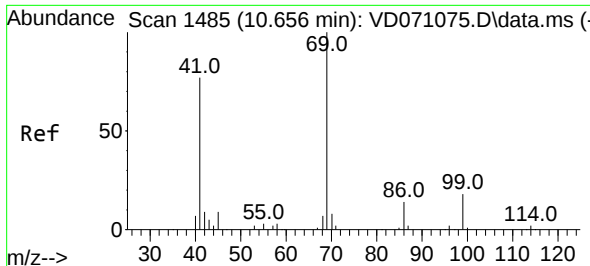
Tgt Ion: 98 Resp: 549426
Ion Ratio Lower Upper
98 100
100 65.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.867 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

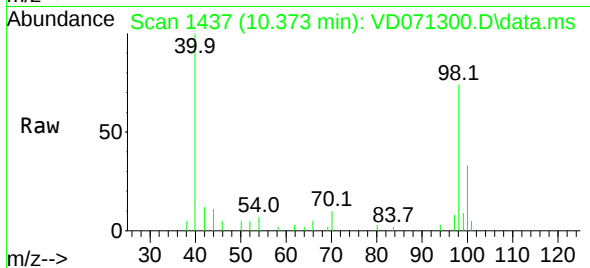
Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



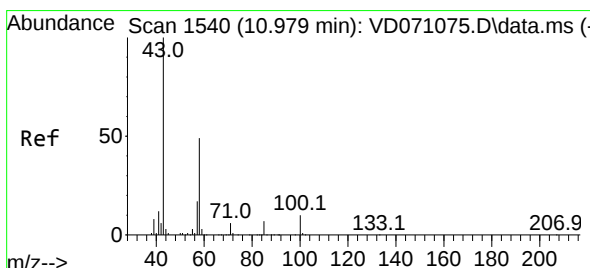
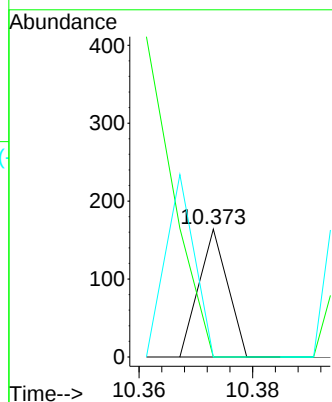
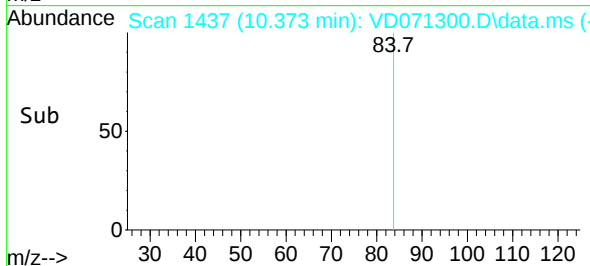


#56
Ethyl methacrylate
Concen: 5.989 ug/l
RT: 10.373 min Scan# 14
Delta R.T. -0.283 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

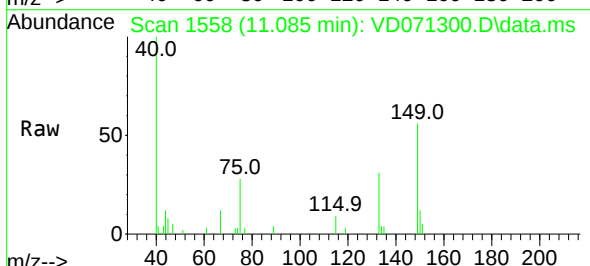
Instrument :
MSVOA_D
ClientSampleId :



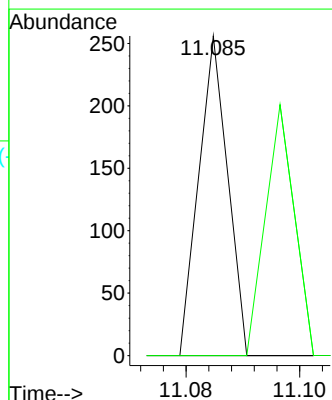
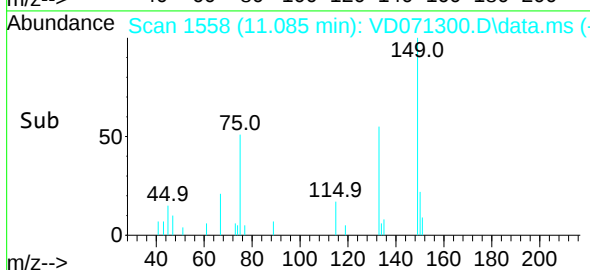
Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

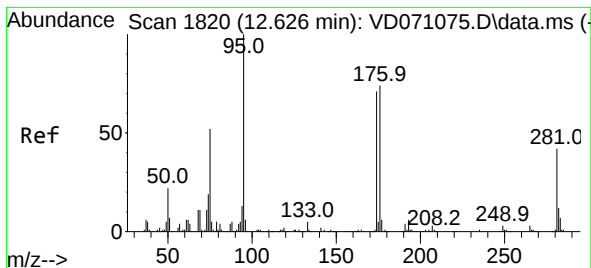


#59
2-Hexanone
Concen: 34.627 ug/l
RT: 11.085 min Scan# 1558
Delta R.T. 0.106 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56



Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
58 78.9 28.7 86.1

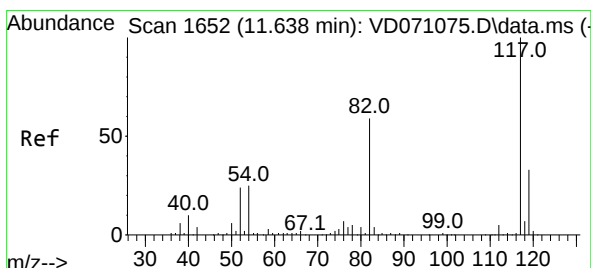
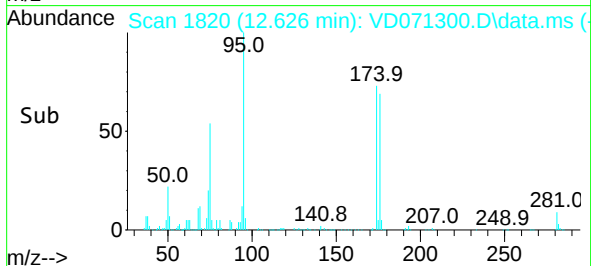
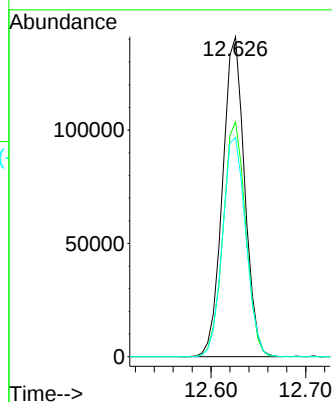
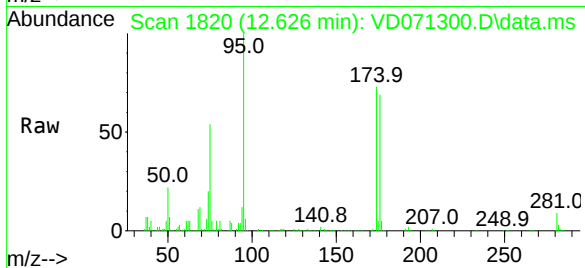




#62
4-Bromofluorobenzene
Concen: 64.249 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

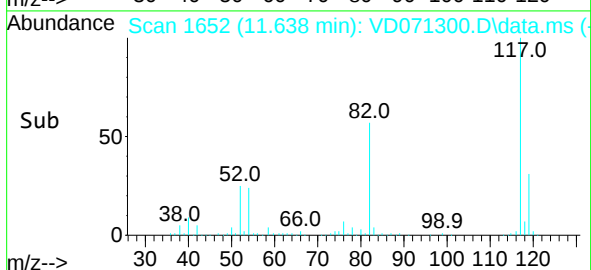
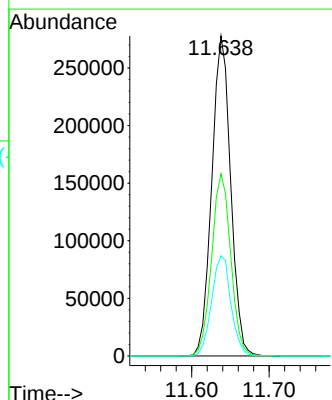
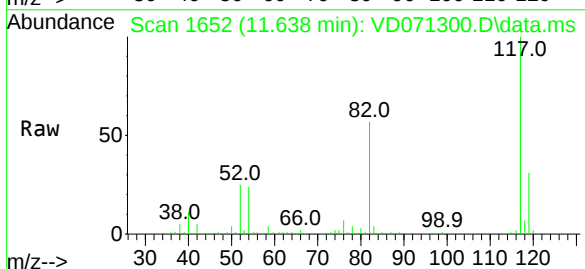
Instrument :
MSVOA_D
ClientSampleId :

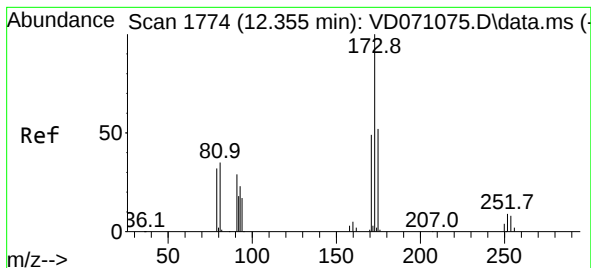
Tgt Ion: 95 Resp: 228679
Ion Ratio Lower Upper
95 100
174 75.0 0.0 159.4
176 72.4 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

Tgt Ion: 117 Resp: 470334
Ion Ratio Lower Upper
117 100
82 56.9 44.7 67.1
119 31.3 26.2 39.4





#71

Bromoform

Concen: 1.045 ug/l

RT: 12.620 min Scan# 11

Delta R.T. 0.265 min

Lab File: VD071300.D

Acq: 13 Dec 2021 16:56

Instrument :

MSVOA_D

ClientSampleId :

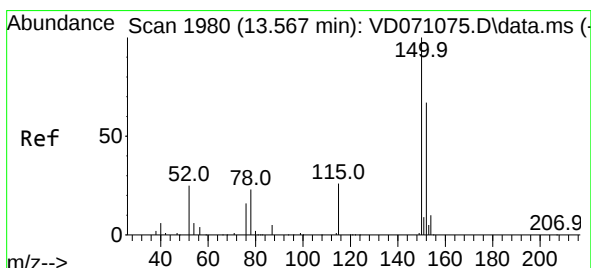
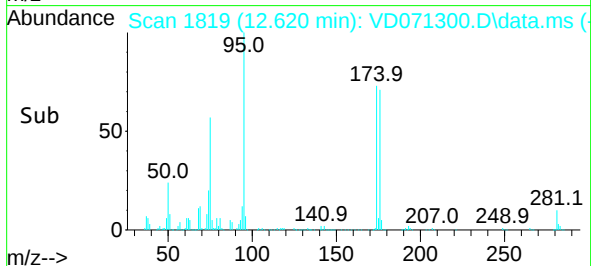
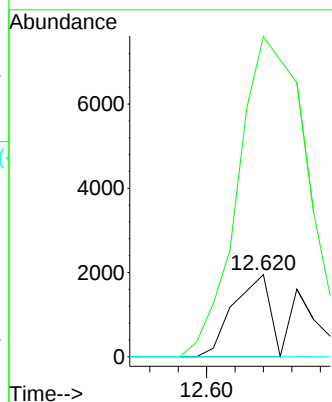
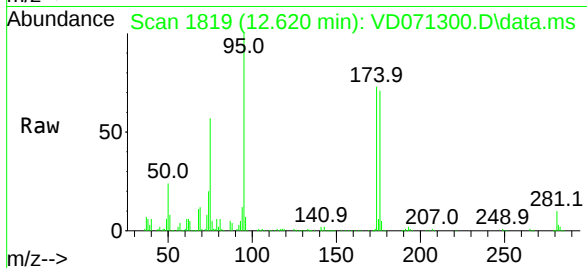
Tgt Ion:173 Resp: 1725

Ion Ratio Lower Upper

173 100

175 638.3 24.1 72.2#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.006 min

Lab File: VD071300.D

Acq: 13 Dec 2021 16:56

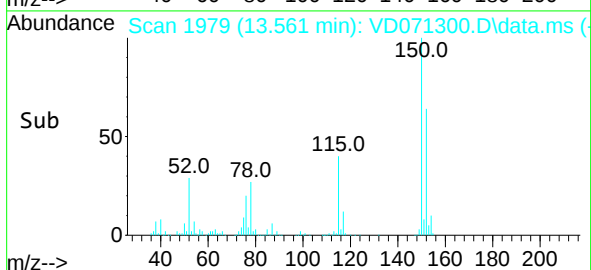
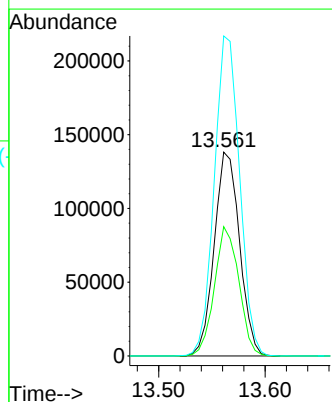
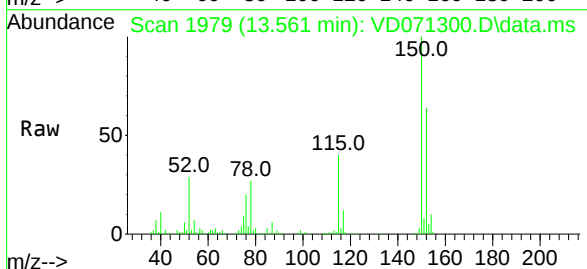
Tgt Ion:152 Resp: 228312

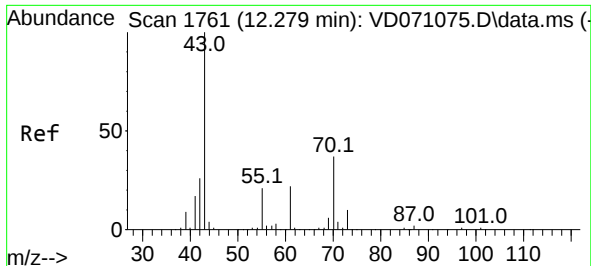
Ion Ratio Lower Upper

152 100

115 61.2 29.8 89.3

150 157.2 0.0 349.2

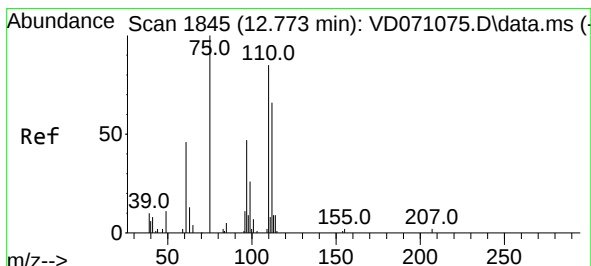
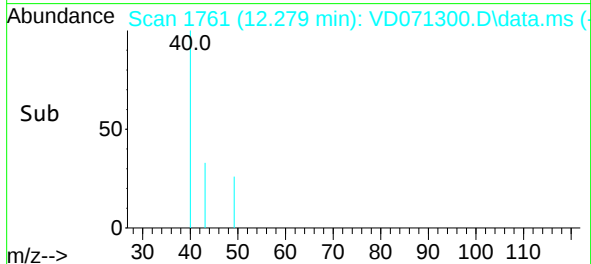
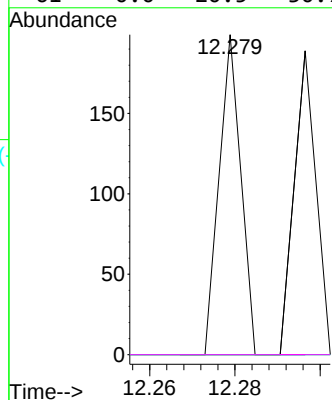
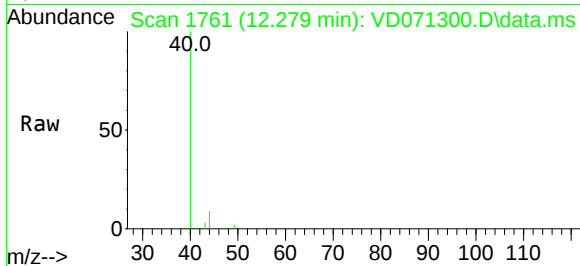




#74
N-amy1 acetate
Concen: 5.715 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

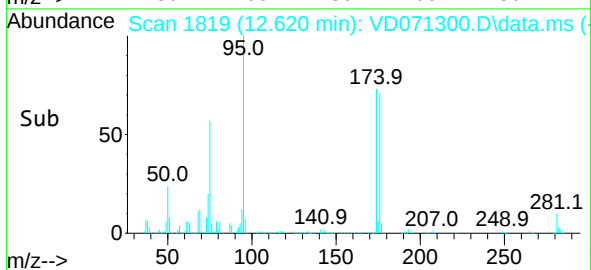
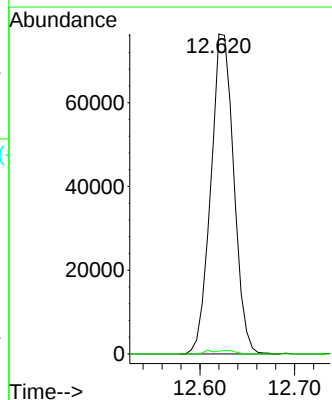
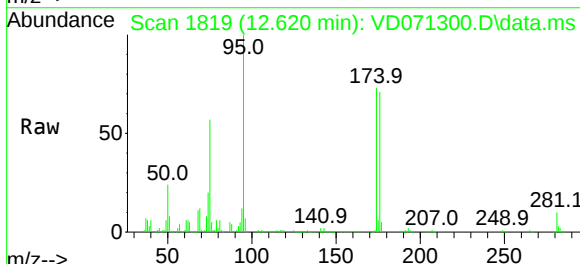
Instrument :
MSVOA_D
ClientSampleId :

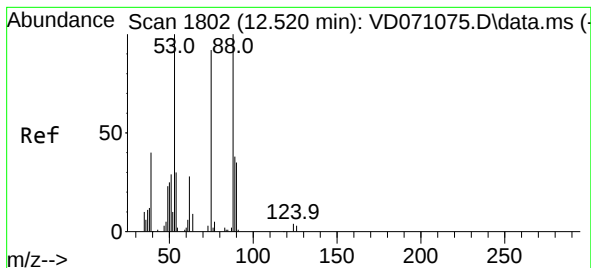
Tgt Ion: 43	Resp:	70
Ion	Ratio	Lower Upper
43	100	
70	0.0	36.6 55.0#
55	0.0	22.5 33.7#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 59.134 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071300.D
Acq: 13 Dec 2021 16:56

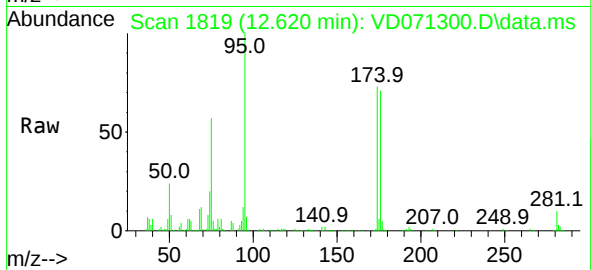
Tgt Ion: 75	Resp:	128631
Ion	Ratio	Lower Upper
75	100	
77	1.3	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.112 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071300.D
 Acq: 13 Dec 2021 16:56

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 128631
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.1 34.5 51.7#

