

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD113021\
 Data File : VD071086.D
 Acq On : 30 Nov 2021 14:40
 Operator : VA/SY
 Sample : M4858-02
 Misc : 6.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(6.0)

Quant Time: Dec 01 03:33:25 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

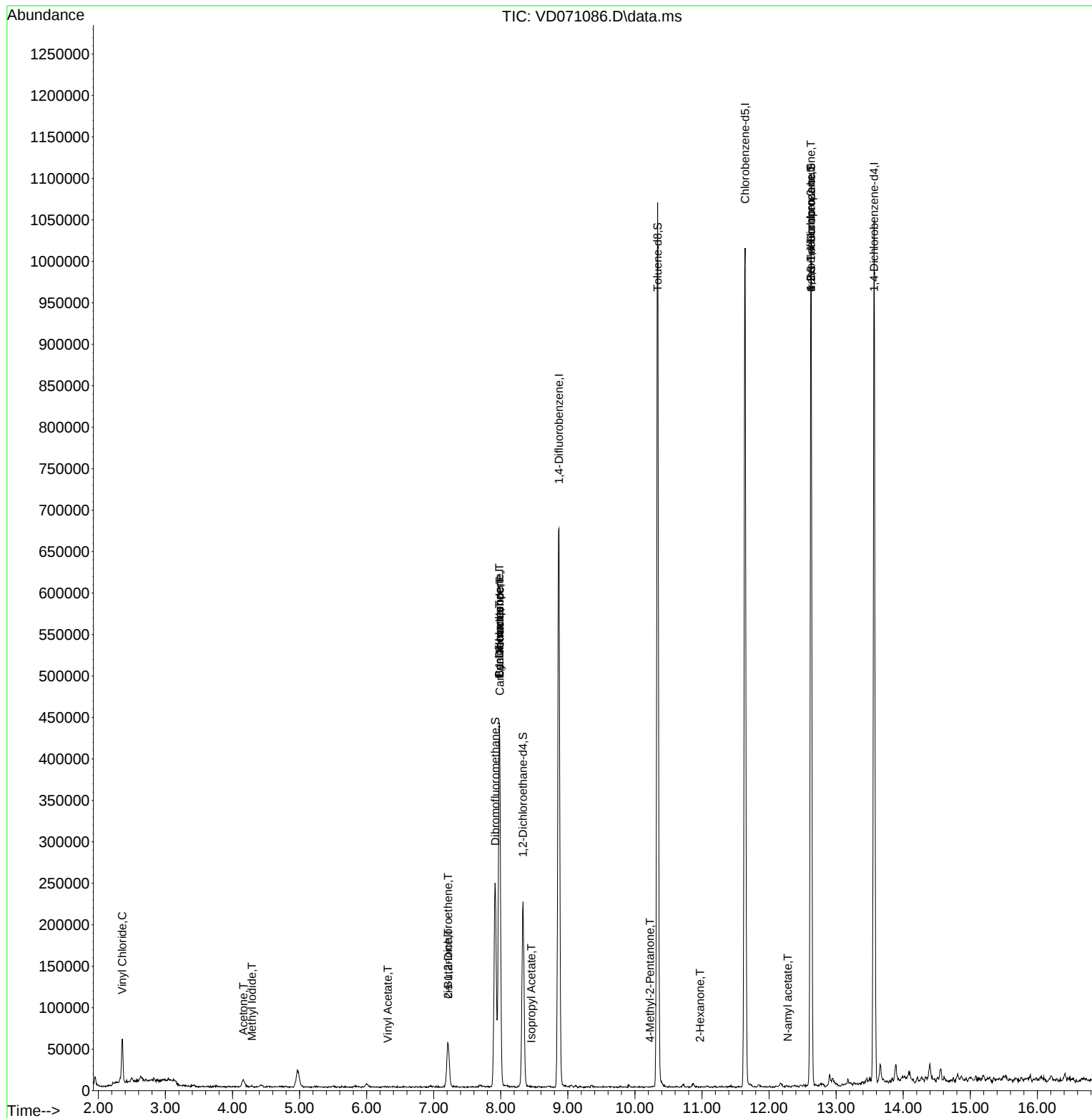
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	309486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	551934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	543563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	254759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	175326	48.280	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.920	113	172660	49.126	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.260%
50) Toluene-d8	10.337	98	694986	51.961	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.920%
62) 4-Bromofluorobenzene	12.626	95	262750	56.672	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.340%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.356	62	45052	11.565	ug/l	97
10) Methyl Iodide	4.291	142	111	4.588	ug/l #	40
11) Tert butyl alcohol	5.226	59	139	Below Cal	#	71
16) Acetone	4.161	43	16416	45.723	ug/l #	77
20) Methylene Chloride	4.967	84	15176	Below Cal	#	93
23) Vinyl Acetate	6.314	43	273	27.259	ug/l #	72
25) 2-Butanone	7.214	43	2209	30.117	ug/l #	82
27) cis-1,2-Dichloroethene	7.214	96	30028	8.207	ug/l	93
31) Cyclohexane	7.979	56	9211	1.491	ug/l #	22
36) 1,1-Dichloropropene	7.979	75	28854	5.593	ug/l #	50
38) Carbon Tetrachloride	7.985	117	32934	6.477	ug/l #	17
41) Methacrylonitrile	7.543	41	66	Below Cal	#	22
43) Isopropyl Acetate	8.455	43	81	5.238	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	531	30.837	ug/l #	34
59) 2-Hexanone	10.973	43	271	34.697	ug/l #	55
74) N-amyl acetate	12.279	43	545	5.797	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	147319	60.694	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	147319	131.341	ug/l #	19

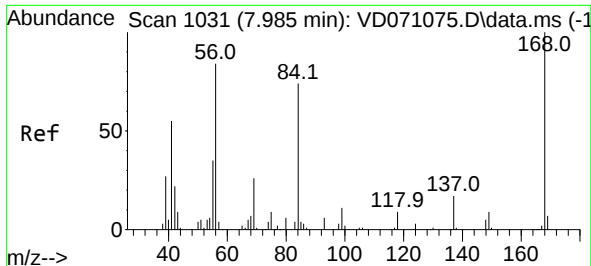
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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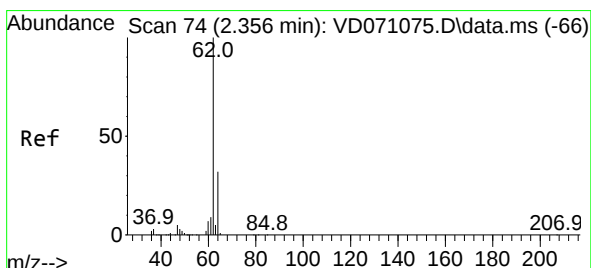
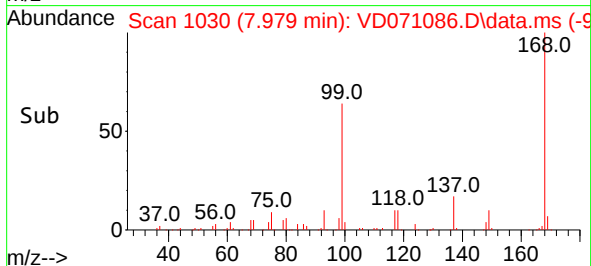
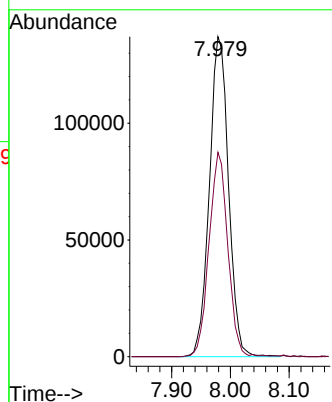
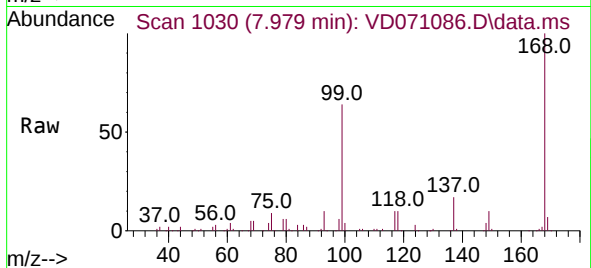




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

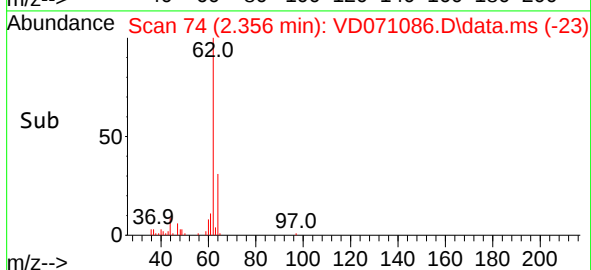
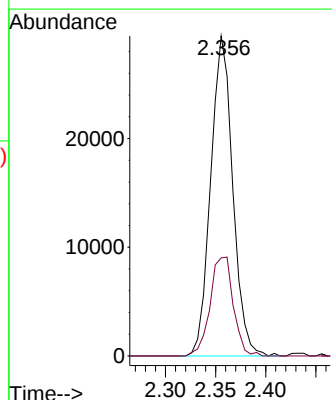
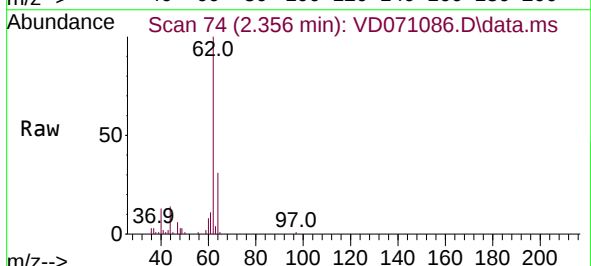
Instrument :
MSVOA_D
ClientSampleId :
B-1(6.0)

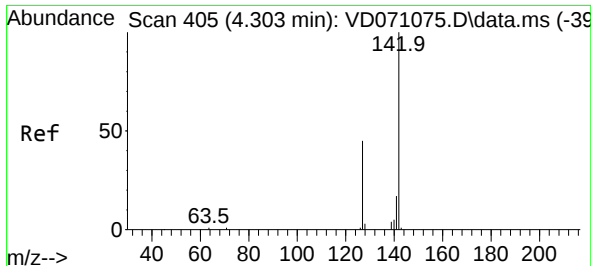
Tgt Ion:168 Resp: 309486
Ion Ratio Lower Upper
168 100
99 63.8 46.6 69.8



#4
Vinyl Chloride
Concen: 11.565 ug/l
RT: 2.356 min Scan# 74
Delta R.T. -0.000 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

Tgt Ion: 62 Resp: 45052
Ion Ratio Lower Upper
62 100
64 30.7 26.0 39.0

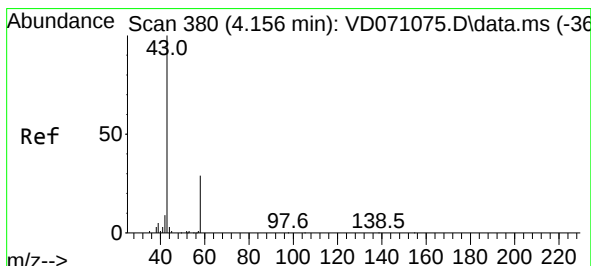
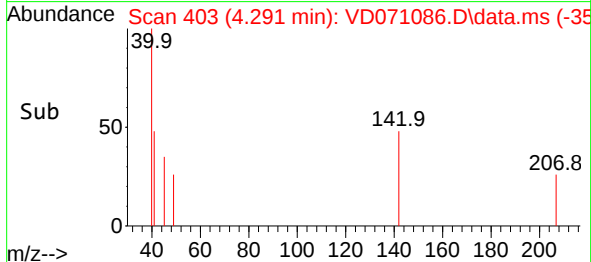
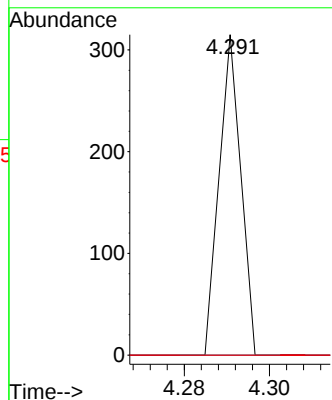
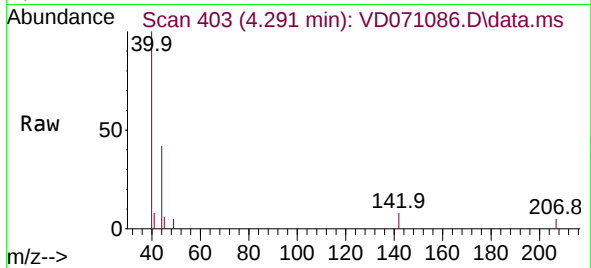




#10
Methyl Iodide
Concen: 4.588 ug/l
RT: 4.291 min Scan# 405
Delta R.T. -0.012 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

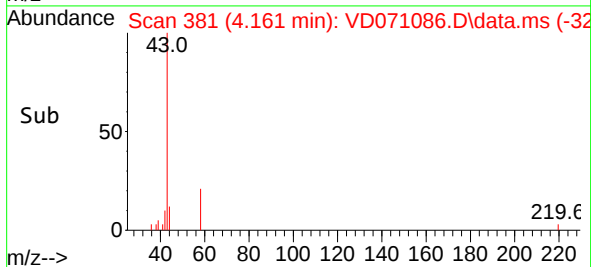
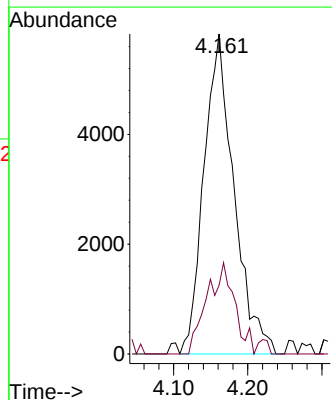
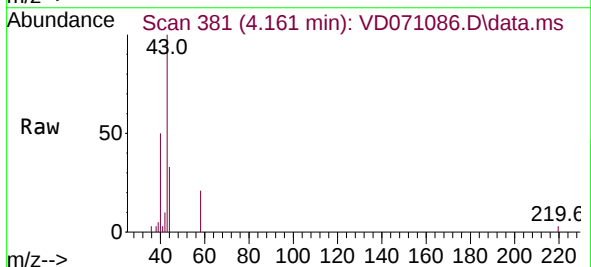
Instrument :
MSVOA_D
ClientSampleId :
B-1(6.0)

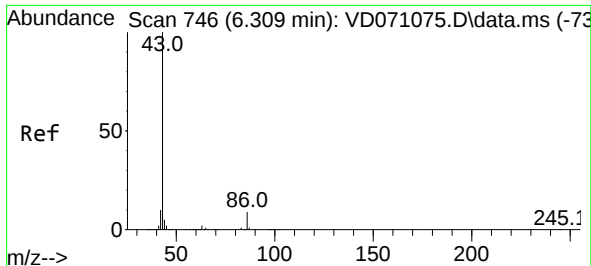
Tgt Ion:142 Resp: 111
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 45.723 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

Tgt Ion: 43 Resp: 16416
Ion Ratio Lower Upper
43 100
58 21.4 27.8 41.8#

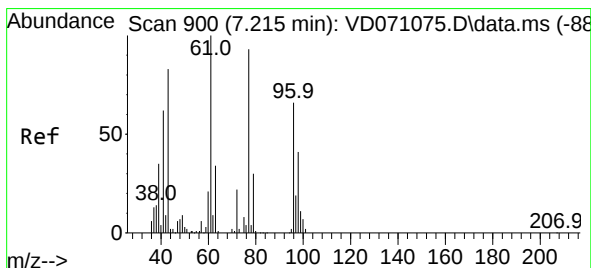
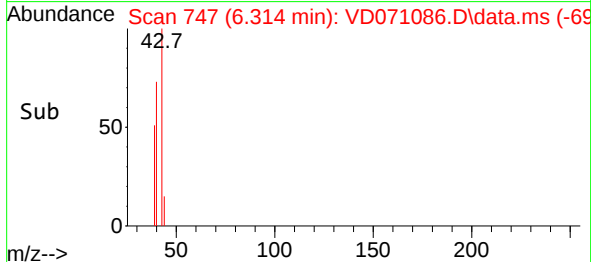
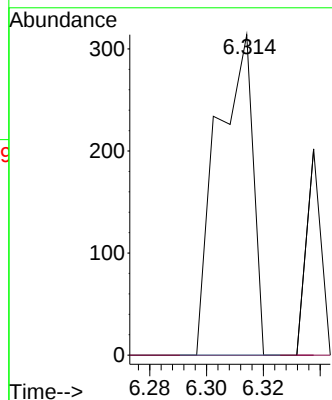
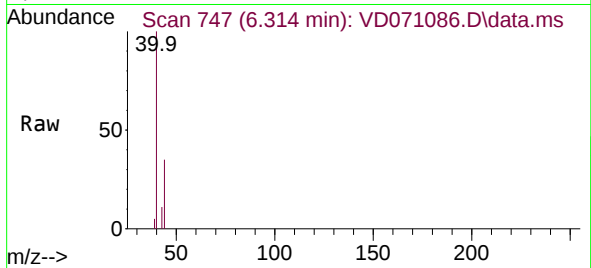




#23
 Vinyl Acetate
 Concen: 27.259 ug/l
 RT: 6.314 min Scan# 746
 Delta R.T. 0.005 min
 Lab File: VD071086.D
 Acq: 30 Nov 2021 14:40

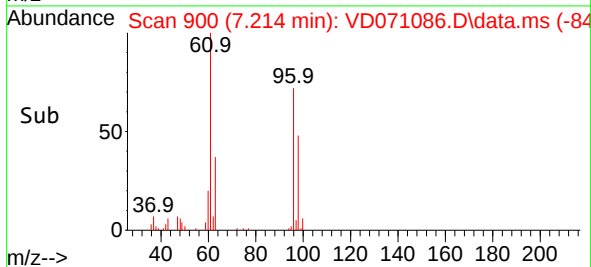
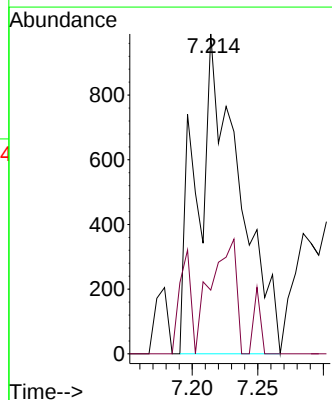
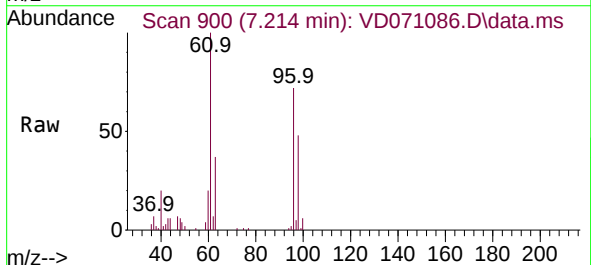
Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(6.0)

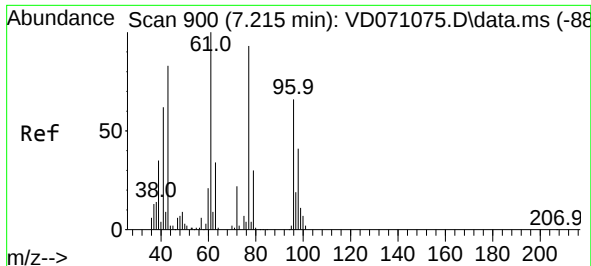
Tgt Ion: 43 Resp: 273
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 30.117 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.001 min
 Lab File: VD071086.D
 Acq: 30 Nov 2021 14:40

Tgt Ion: 43 Resp: 2209
 Ion Ratio Lower Upper
 43 100
 72 19.9 23.8 35.6#





#27

cis-1,2-Dichloroethene

Concen: 8.207 ug/l

RT: 7.214 min Scan# 90

Delta R.T. -0.001 min

Lab File: VD071086.D

Acq: 30 Nov 2021 14:40

Instrument :

MSVOA_D

ClientSampleId :

B-1(6.0)

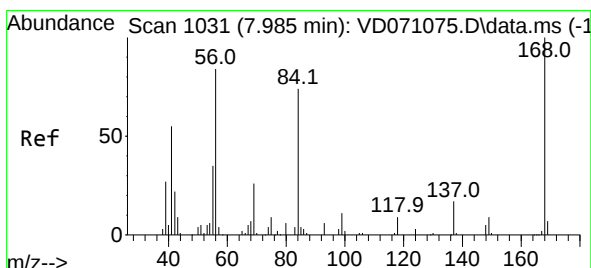
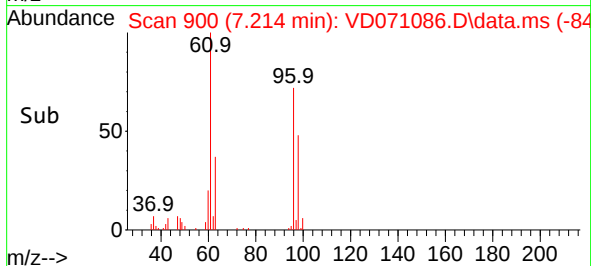
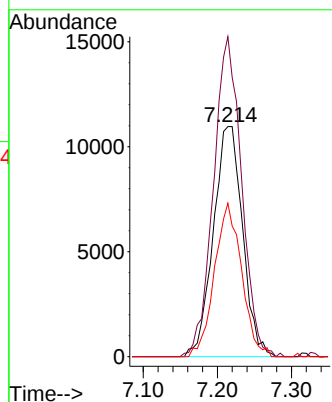
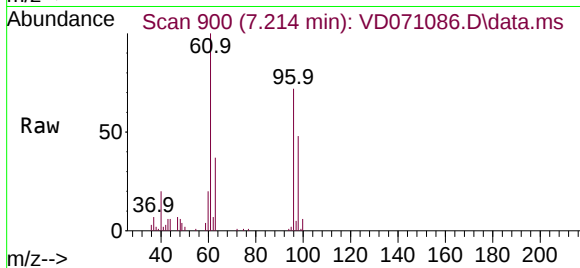
Tgt Ion: 96 Resp: 30028

Ion Ratio Lower Upper

96 100

61 133.6 0.0 288.6

98 61.9 0.0 129.2



#31

Cyclohexane

Concen: 1.491 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071086.D

Acq: 30 Nov 2021 14:40

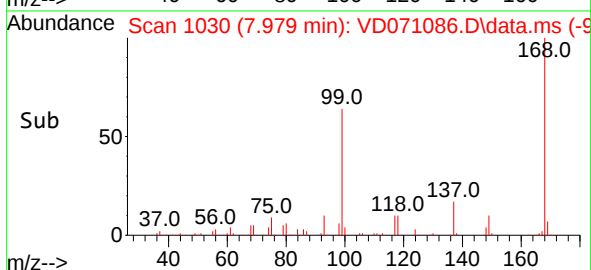
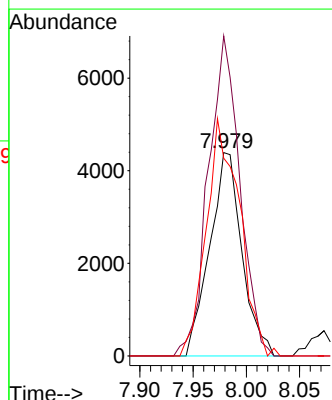
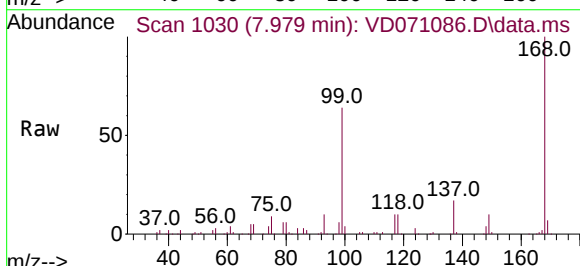
Tgt Ion: 56 Resp: 9211

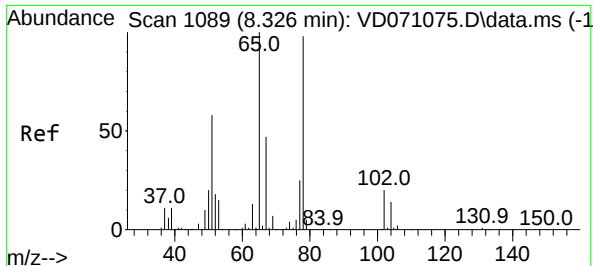
Ion Ratio Lower Upper

56 100

69 157.4 25.9 38.9#

84 97.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 48.280 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071086.D

Acq: 30 Nov 2021 14:40

Instrument :

MSVOA_D

ClientSampleId :

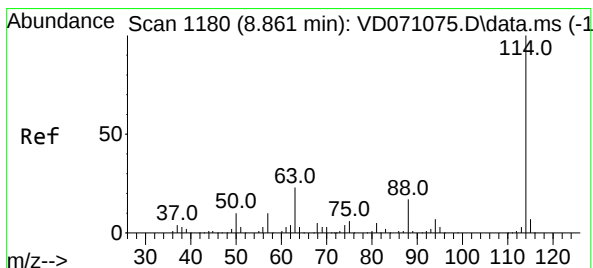
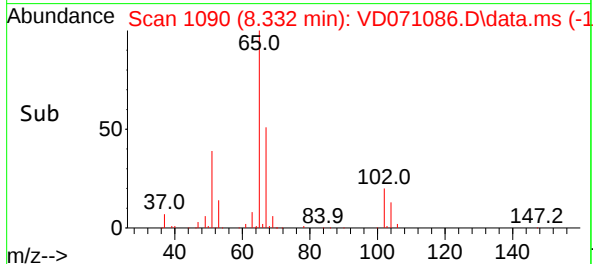
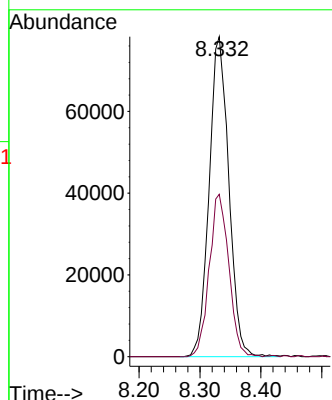
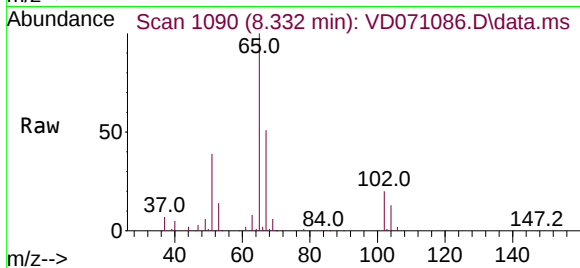
B-1(6.0)

Tgt Ion: 65 Resp: 175326

Ion Ratio Lower Upper

65 100

67 50.5 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD071086.D

Acq: 30 Nov 2021 14:40

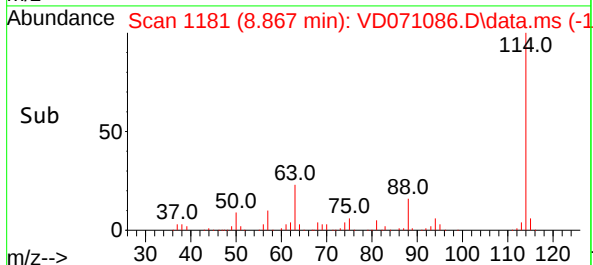
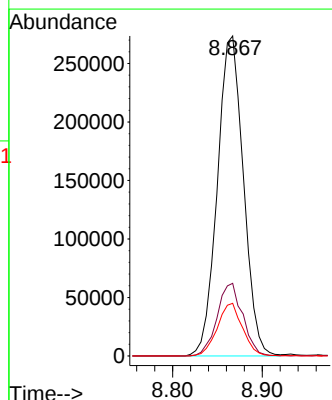
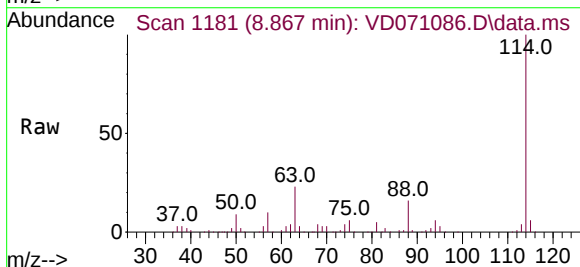
Tgt Ion: 114 Resp: 551934

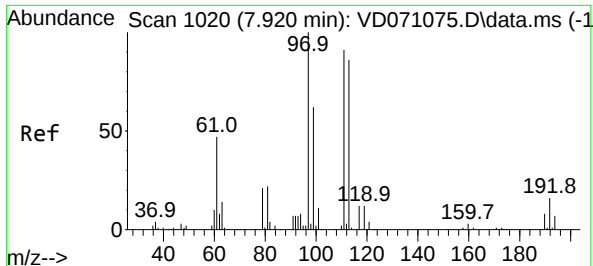
Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.126 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. -0.000 min

Lab File: VD071086.D

Acq: 30 Nov 2021 14:40

Instrument :

MSVOA_D

ClientSampleId :

B-1(6.0)

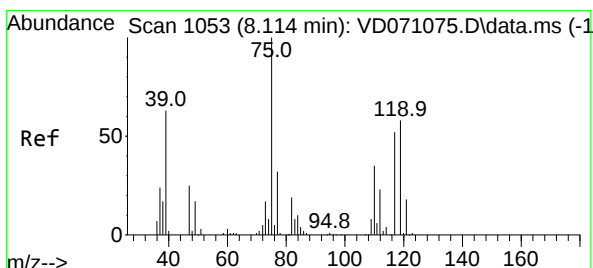
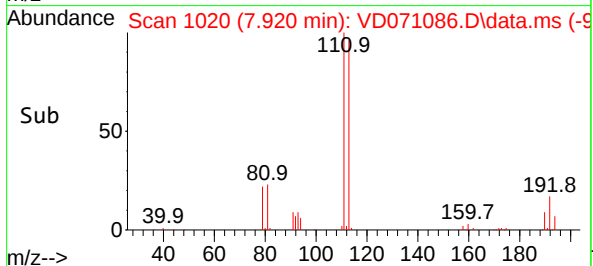
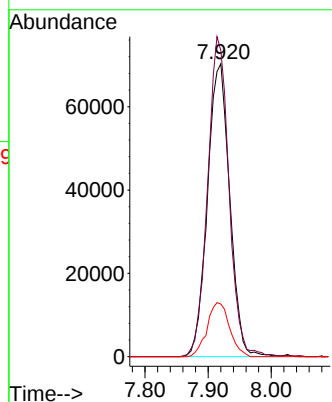
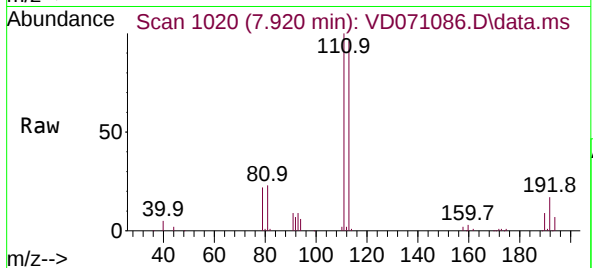
Tgt Ion:113 Resp: 172660

Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

192 18.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.593 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071086.D

Acq: 30 Nov 2021 14:40

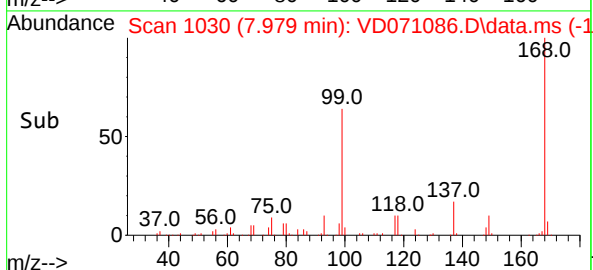
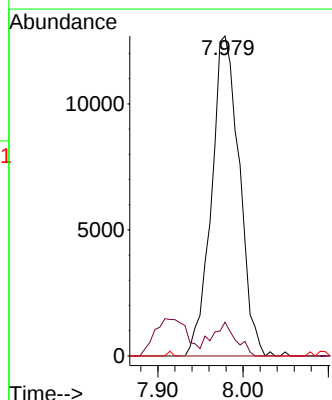
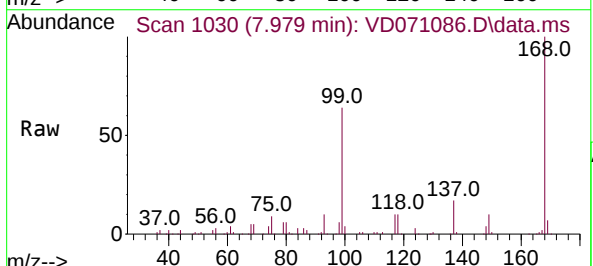
Tgt Ion: 75 Resp: 28854

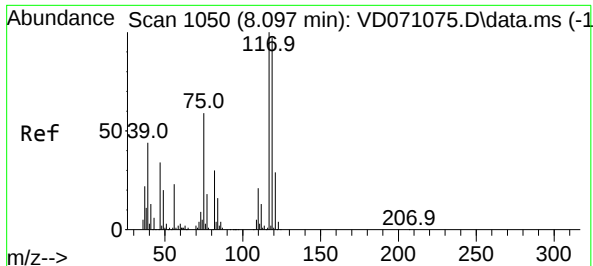
Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.4#

77 0.0 24.8 37.2#

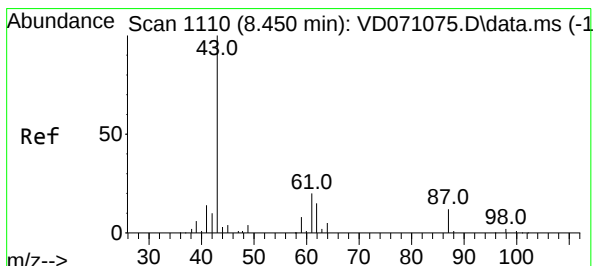
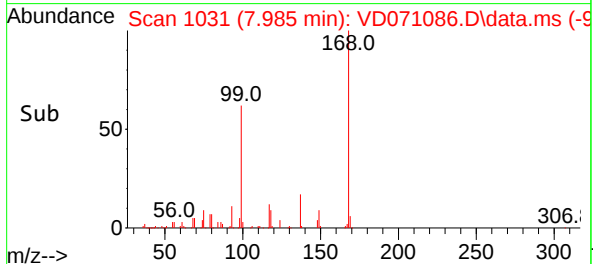
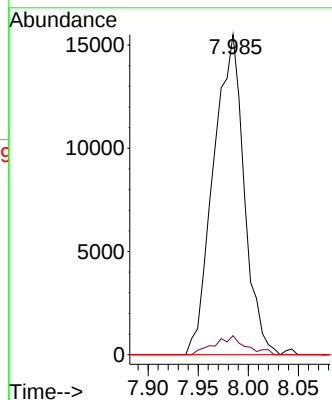
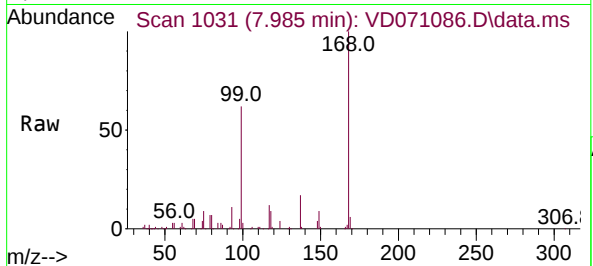




#38
Carbon Tetrachloride
Concen: 6.477 ug/l
RT: 7.985 min Scan# 1050
Delta R.T. -0.112 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

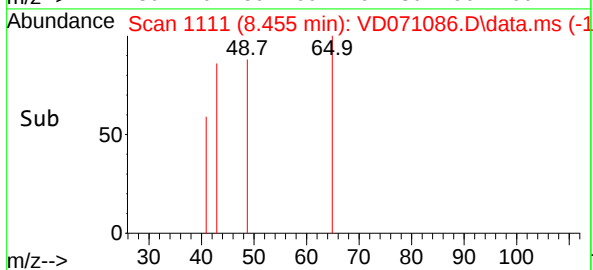
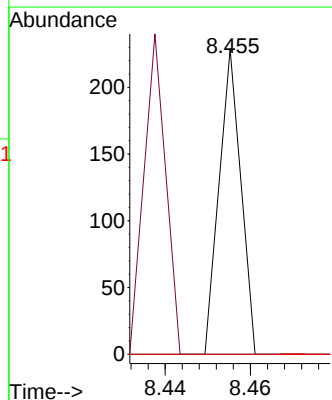
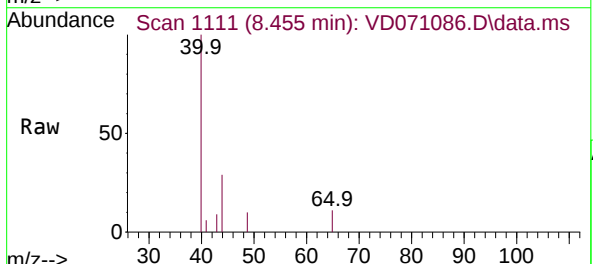
Instrument :
MSVOA_D
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B-1(6.0)

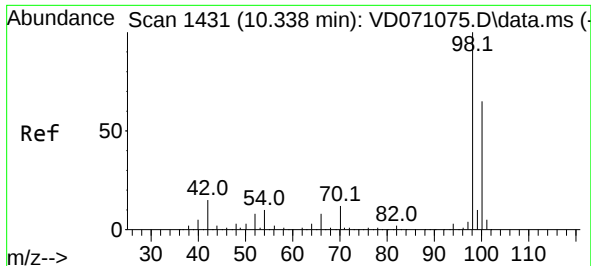
Tgt Ion:117 Resp: 32934
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.238 ug/l
RT: 8.455 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

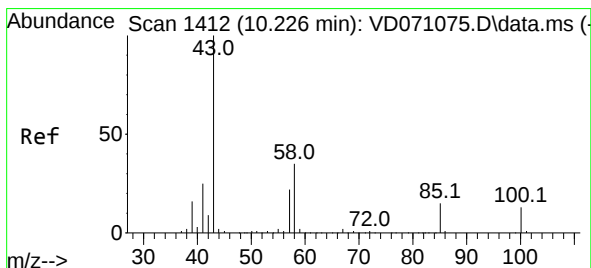
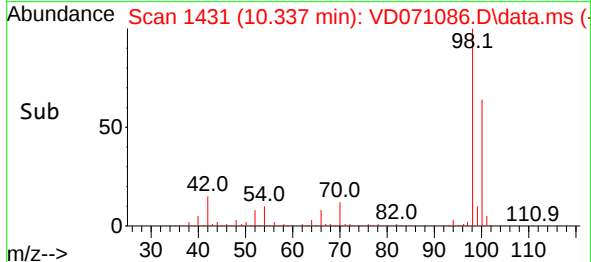
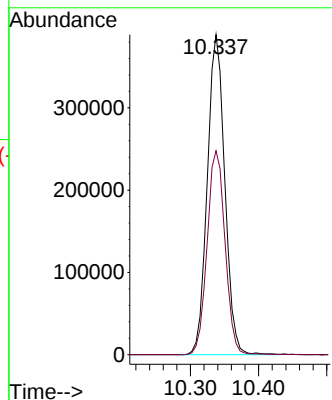
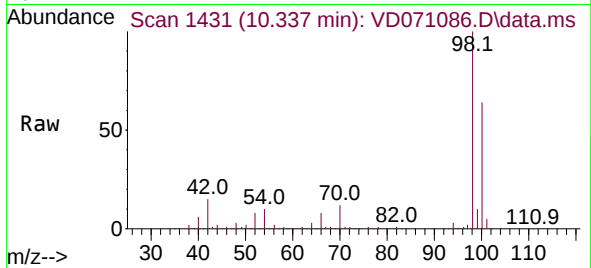




#50
Toluene-d8
Concen: 51.961 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

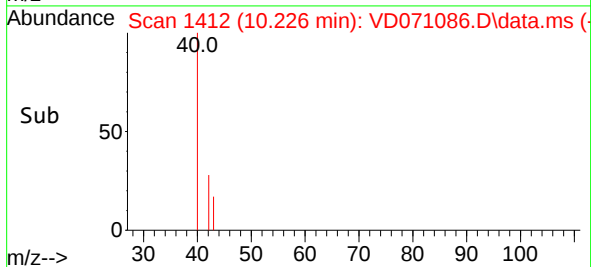
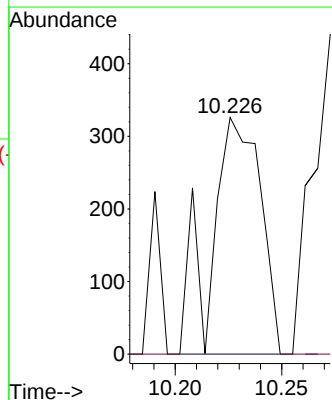
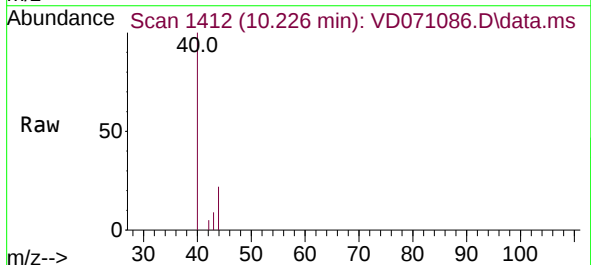
Instrument :
MSVOA_D
ClientSampleId :
B-1(6.0)

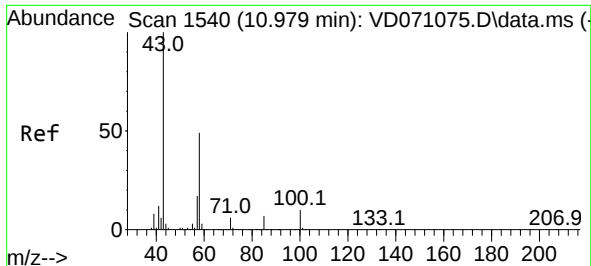
Tgt Ion: 98 Resp: 694986
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.837 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

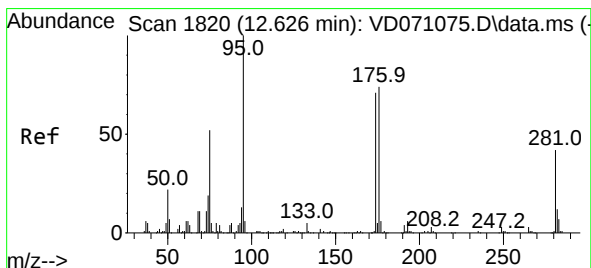
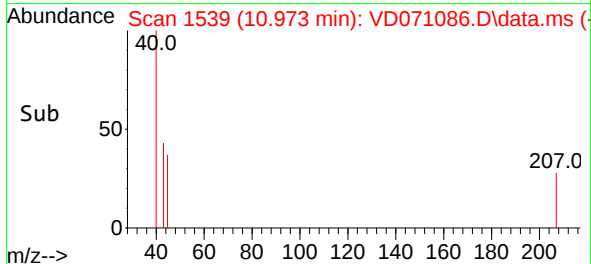
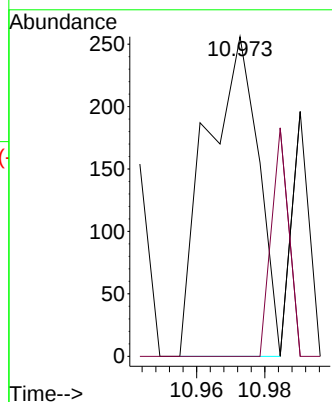
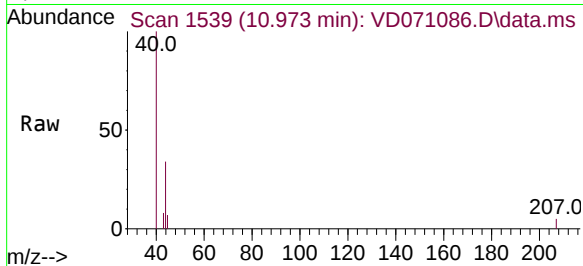




#59
2-Hexanone
Concen: 34.697 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

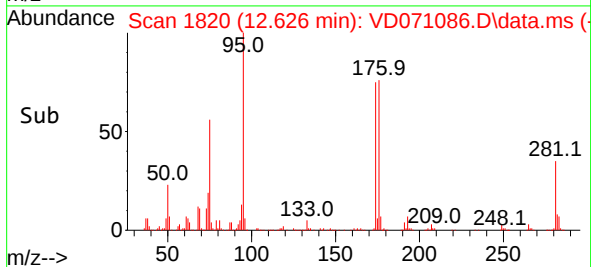
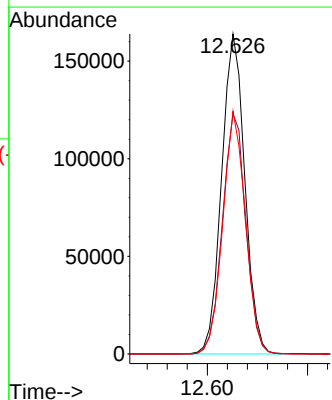
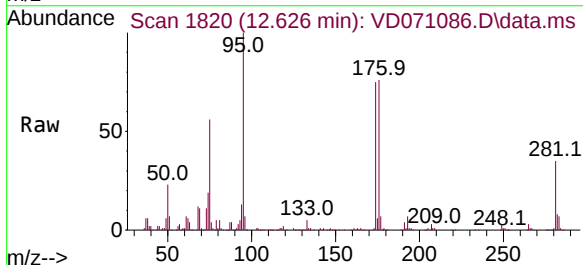
Instrument :
MSVOA_D
ClientSampleId :
B-1(6.0)

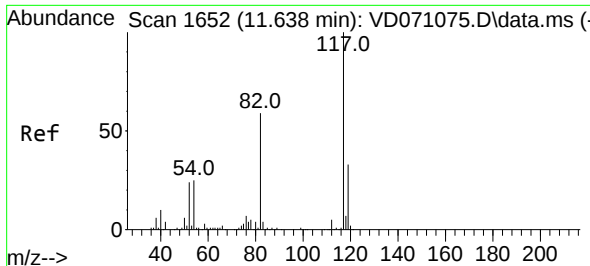
Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
58 24.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 56.672 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

Tgt Ion: 95 Resp: 262750
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.4
176 74.6 0.0 154.0

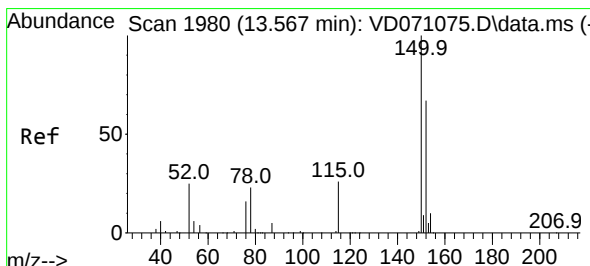
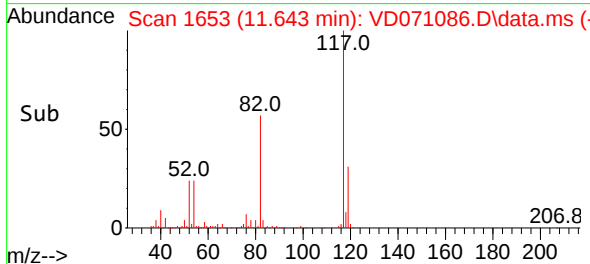
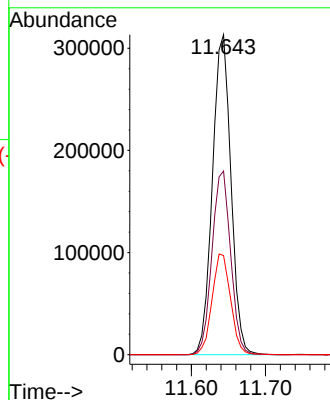
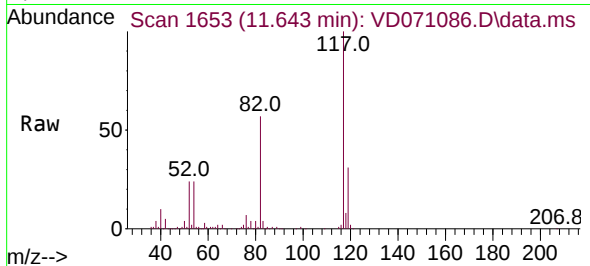




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1170
Delta R.T. 0.005 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

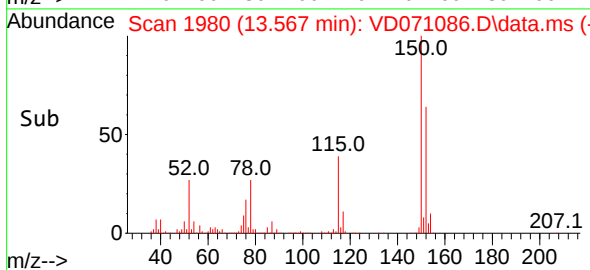
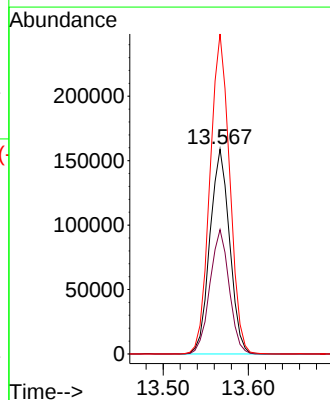
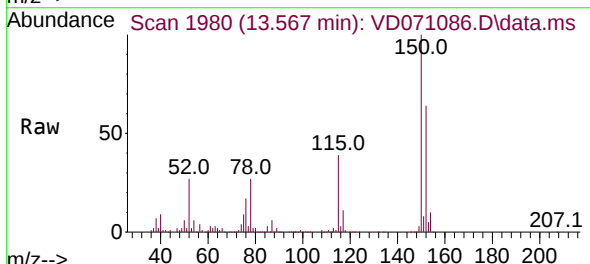
Instrument :
MSVOA_D
ClientSampleId :
B-1(6.0)

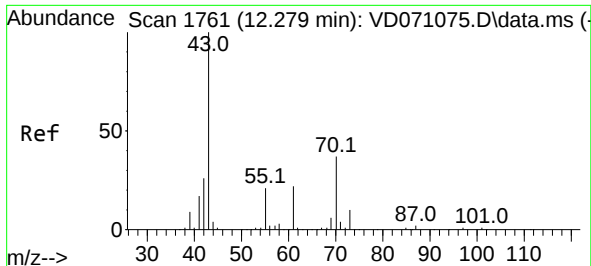
Tgt Ion:117 Resp: 543563
Ion Ratio Lower Upper
117 100
82 57.4 44.7 67.1
119 31.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

Tgt Ion:152 Resp: 254759
Ion Ratio Lower Upper
152 100
115 59.4 29.8 89.3
150 156.5 0.0 349.2

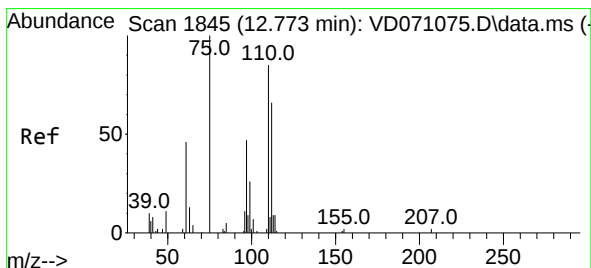
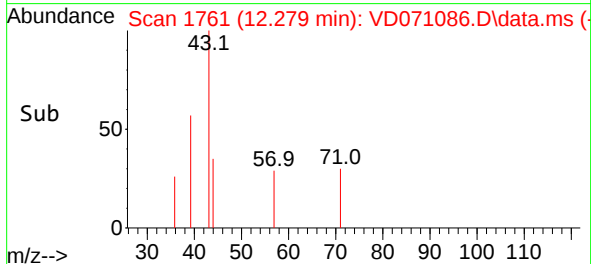
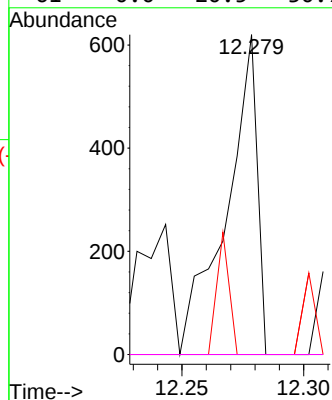
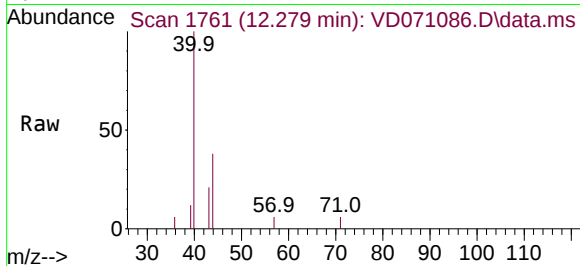




#74
N-amy1 acetate
Concen: 5.797 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

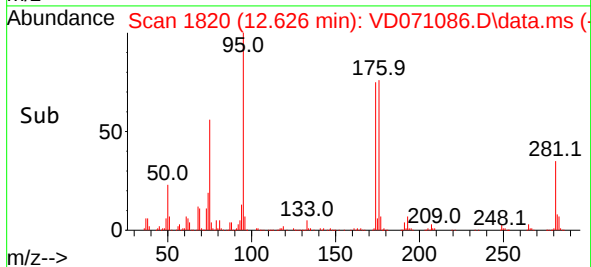
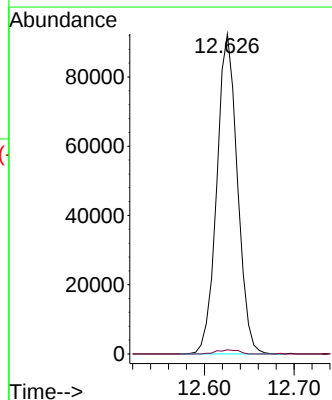
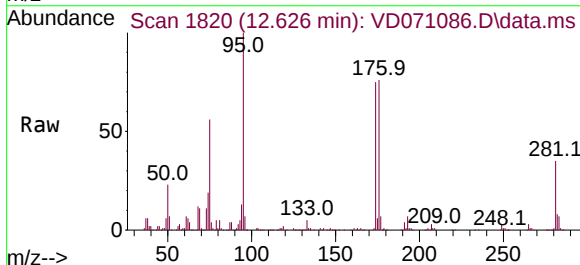
Instrument :
MSVOA_D
ClientSampleId :
B-1(6.0)

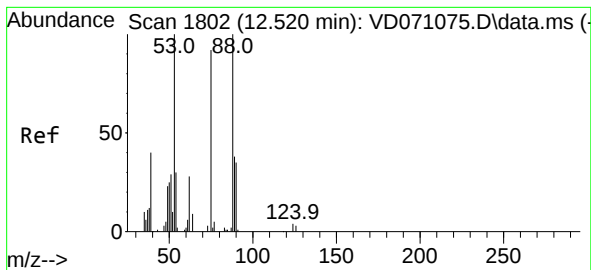
Tgt Ion: 43	Resp: 545
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 15.4	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 60.694 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071086.D
Acq: 30 Nov 2021 14:40

Tgt Ion: 75	Resp: 147319
Ion Ratio	Lower Upper
75 100	
77 1.4	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.341 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071086.D
 Acq: 30 Nov 2021 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(6.0)

Tgt Ion: 75 Resp: 147319
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.6 34.5 51.7#

