

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120721\
 Data File : VD071180.D
 Acq On : 07 Dec 2021 13:45
 Operator : VA/SY
 Sample : M4949-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 08 02:49:03 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)

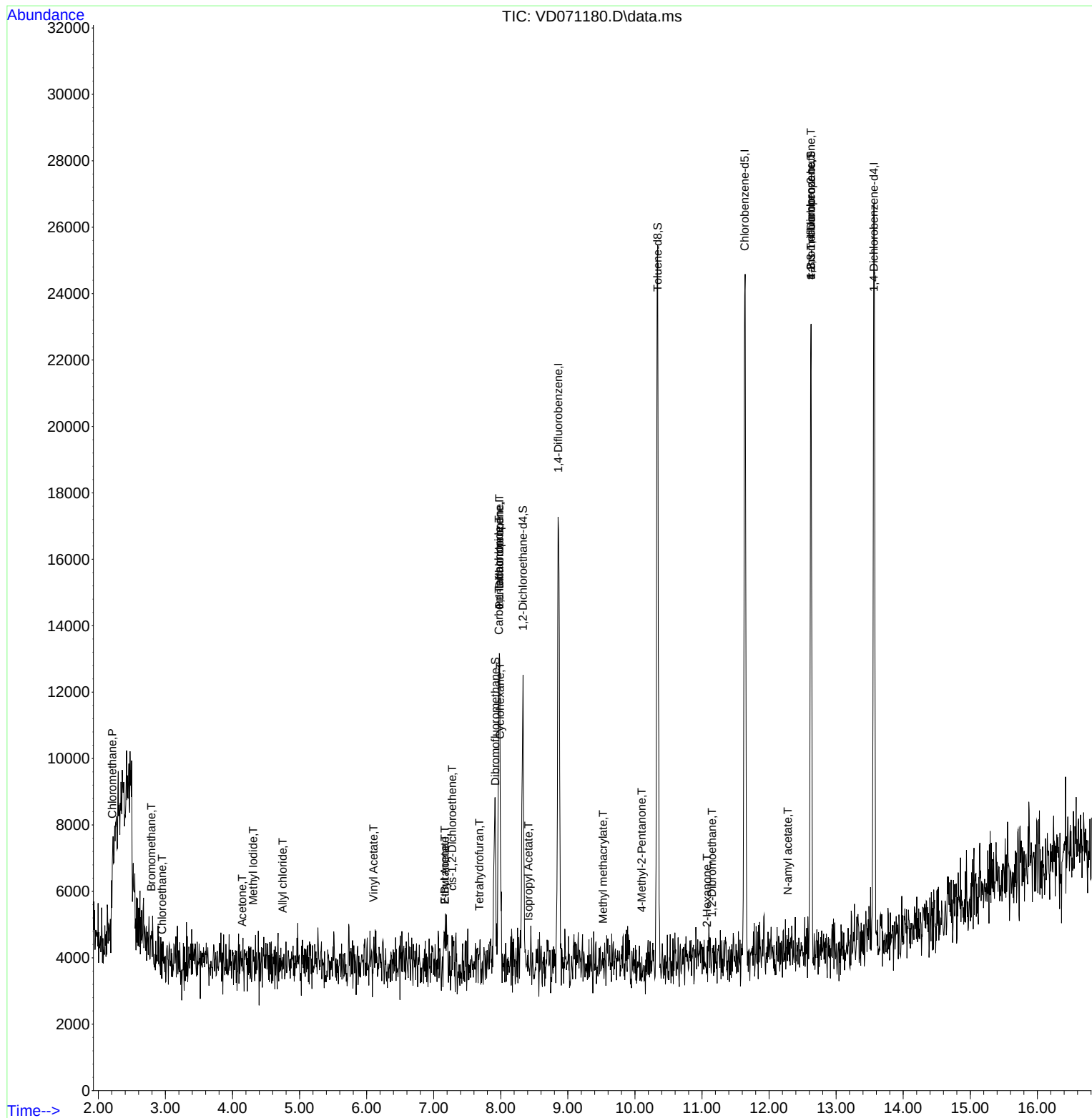
Internal Standards						
1) Pentafluorobenzene	7.979	168	6638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	11003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	11968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	5674	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	5893	75.66	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 151.32%			
35) Dibromofluoromethane	7.920	113	3211	45.83	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.66%			
50) Toluene-d8	10.338	98	13947	52.31	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.62%			
62) 4-Bromofluorobenzene	12.626	95	5781	62.55	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.10%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	344	4.59	ug/l #	42
5) Bromomethane	2.791	94	270	4.48	ug/l	88
6) Chloroethane	2.950	64	58	1.01	ug/l #	39
10) Methyl Iodide	4.309	142	140	6.20	ug/l #	89
14) Allyl chloride	4.750	41	136	1.16	ug/l #	1
16) Acetone	4.144	43	228	40.46	ug/l #	40
20) Methylene Chloride	4.973	84	56	Below Cal	#	7
23) Vinyl Acetate	6.103	43	75	27.75	ug/l #	72
25) 2-Butanone	7.167	43	65	30.77	ug/l #	45
27) cis-1,2-Dichloroethene	7.273	96	80	1.02	ug/l #	1
29) Tetrahydrofuran	7.679	42	185	14.96	ug/l #	34
31) Cyclohexane	7.991	56	264	1.99	ug/l #	19
36) 1,1-Dichloropropene	7.979	75	698	6.79	ug/l #	41
37) Ethyl Acetate	7.167	43	65	1.46	ug/l #	66
38) Carbon Tetrachloride	7.973	117	808	7.97	ug/l #	12
41) Methacrylonitrile	7.503	41	132	Below Cal	#	34
43) Isopropyl Acetate	8.414	43	82	5.97	ug/l #	47
48) Methyl methacrylate	9.526	41	82	1.89	ug/l #	18
51) 4-Methyl-2-Pentanone	10.102	43	59	31.69	ug/l #	34
59) 2-Hexanone	11.073	43	58	35.90	ug/l #	22
61) 1,2-Dibromoethane	11.149	107	57	1.19	ug/l #	3
74) N-amyl acetate	12.279	43	60	6.17	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	3358	62.12	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	3358	134.28	ug/l #	18

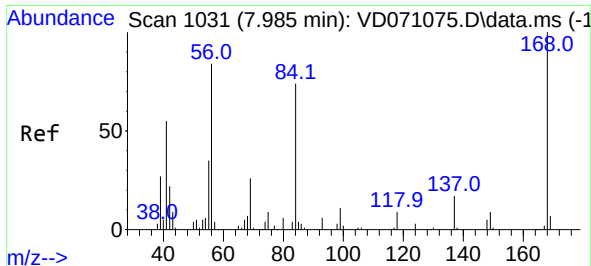
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120721\
Data File : VD071180.D
Acq On : 07 Dec 2021 13:45
Operator : VA/SY
Sample : M4949-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

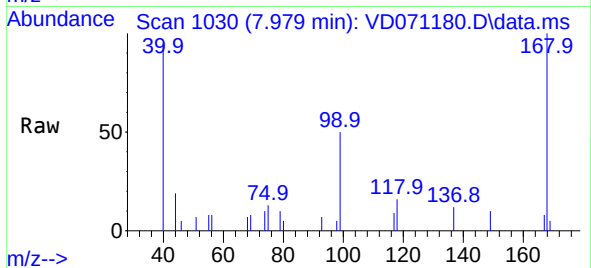
Quant Time: Dec 08 02:49:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



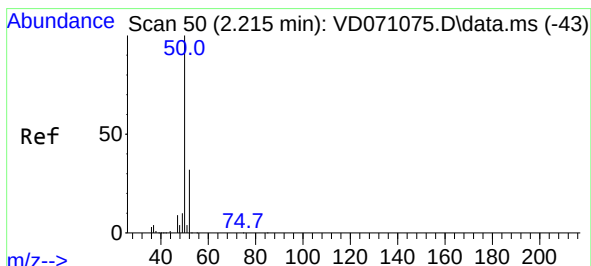
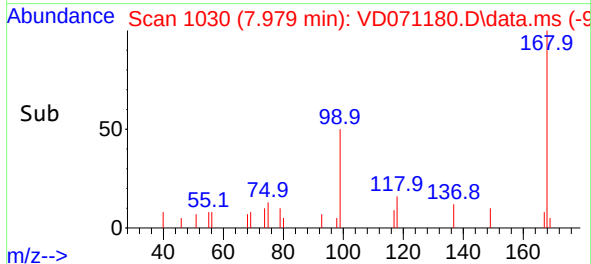
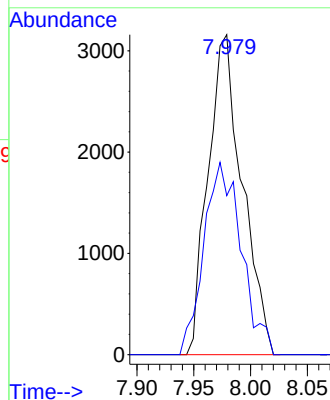


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Instrument :
MSVOA_D
ClientSampleId :

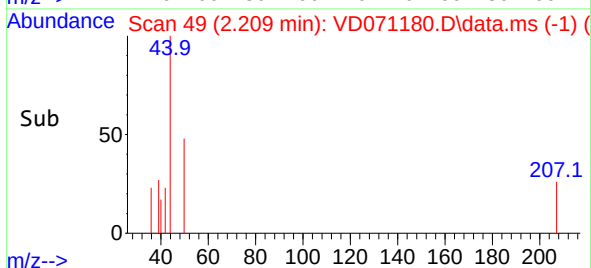
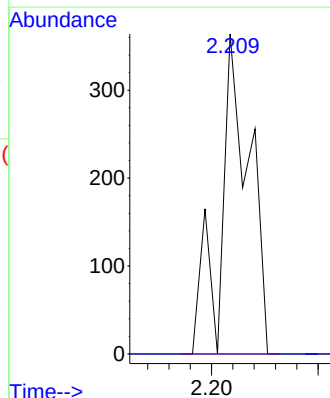
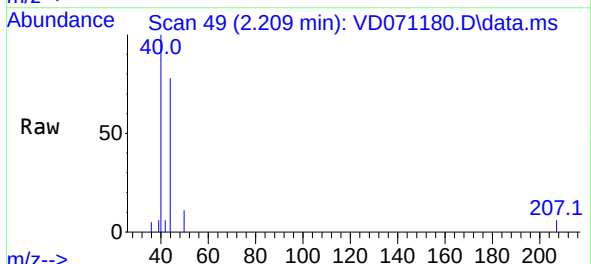


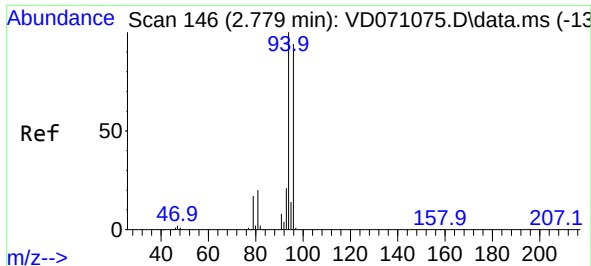
Tgt Ion:168 Resp: 6638
Ion Ratio Lower Upper
168 100
99 49.7 46.6 69.8



#3
Chloromethane
Concen: 4.59 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

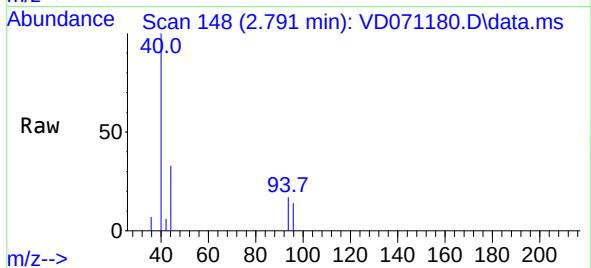
Tgt Ion: 50 Resp: 344
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



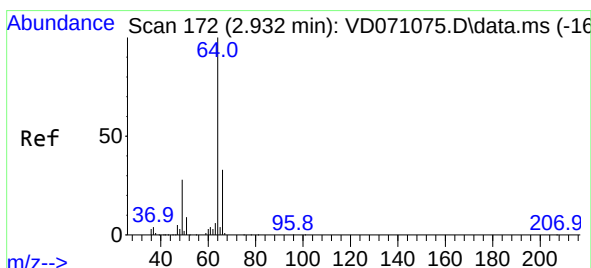
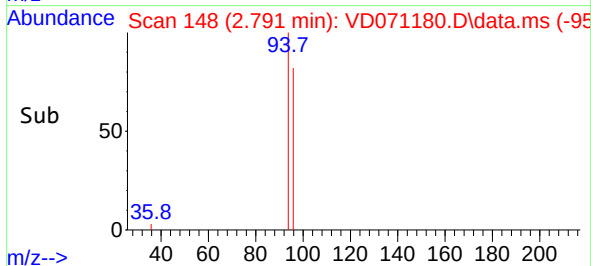
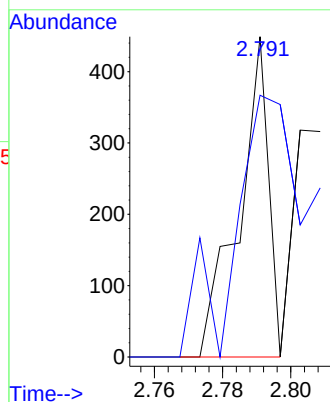


#5
Bromomethane
Concen: 4.48 ug/l
RT: 2.791 min Scan# 14
Delta R.T. 0.012 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Instrument :
MSVOA_D
ClientSampleId :

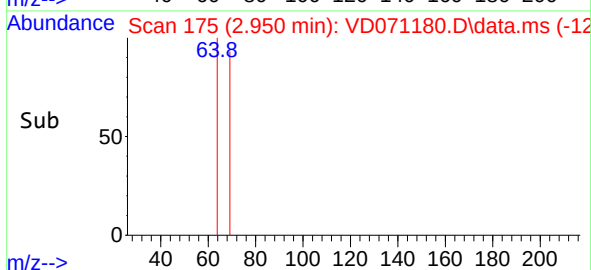
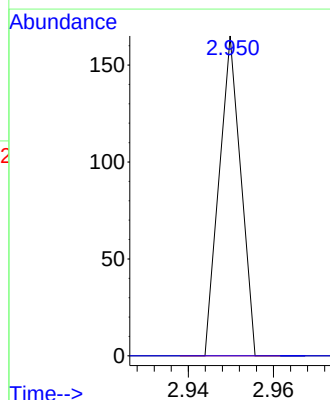
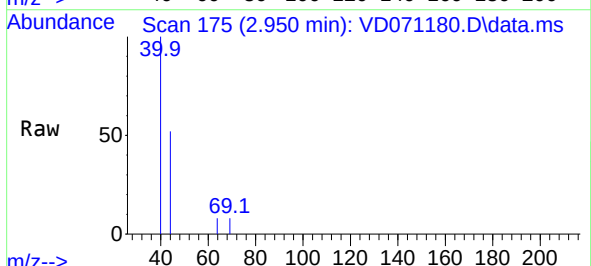


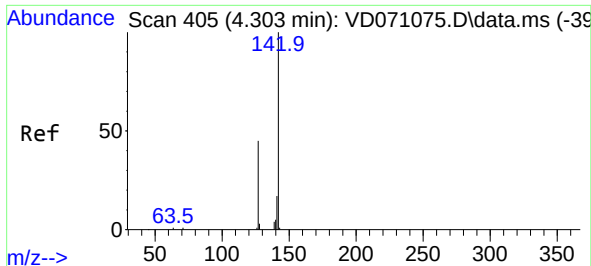
Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 81.7 74.8 112.2



#6
Chloroethane
Concen: 1.01 ug/l
RT: 2.950 min Scan# 175
Delta R.T. 0.018 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

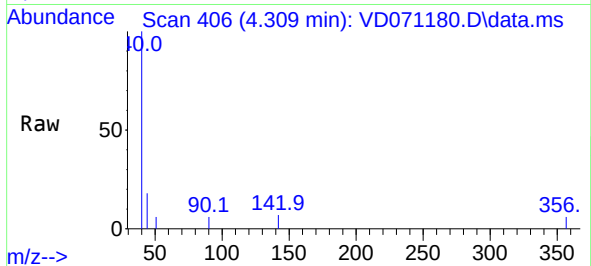
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#



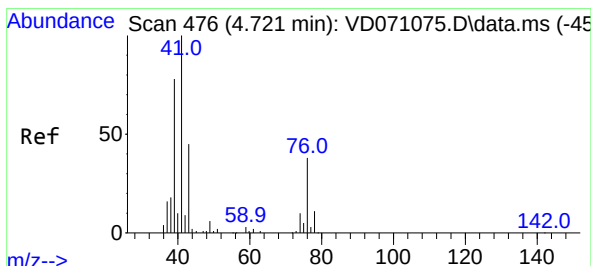
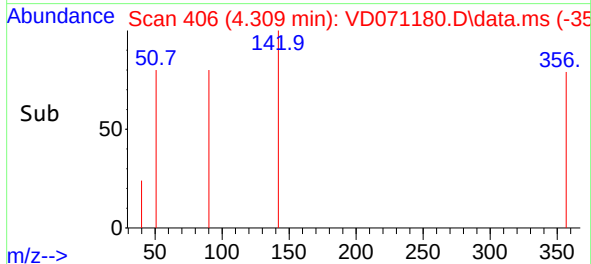
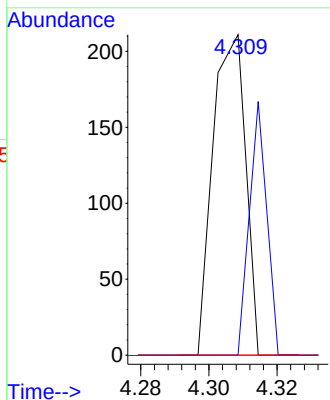


#10
Methyl Iodide
Concen: 6.20 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Instrument :
MSVOA_D
ClientSampleId :

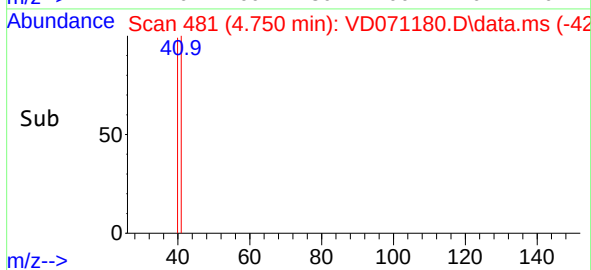
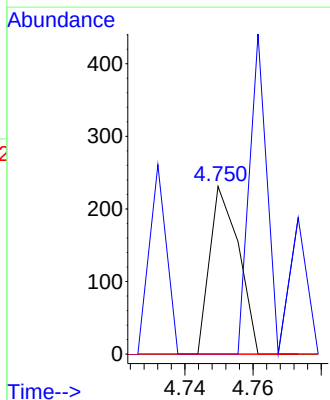
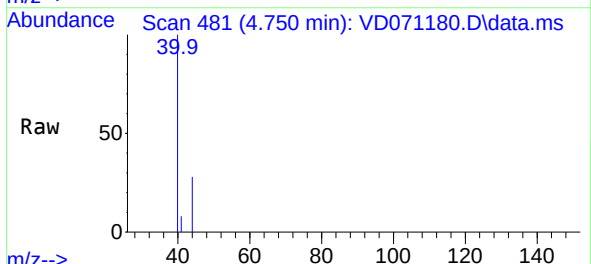


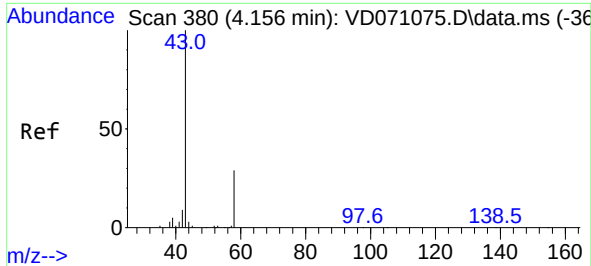
Tgt Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
127 42.1 35.0 52.4
141 0.0 12.0 18.0#



#14
Allyl chloride
Concen: 1.16 ug/l
RT: 4.750 min Scan# 481
Delta R.T. 0.029 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Tgt Ion: 41 Resp: 136
Ion Ratio Lower Upper
41 100
39 163.2 45.6 68.4#
76 0.0 30.2 45.4#





#16

Acetone

Concen: 40.46 ug/l

RT: 4.144 min Scan# 31

Delta R.T. -0.012 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

Instrument :

MSVOA_D

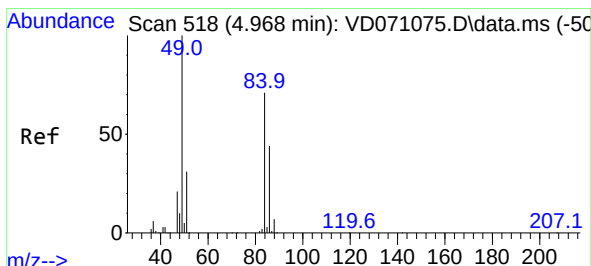
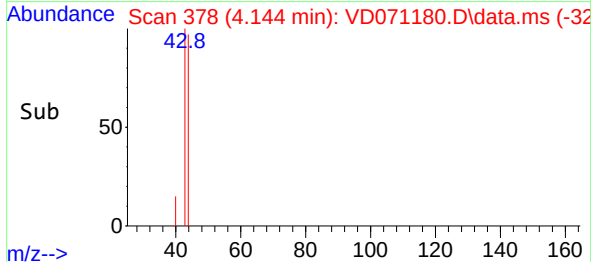
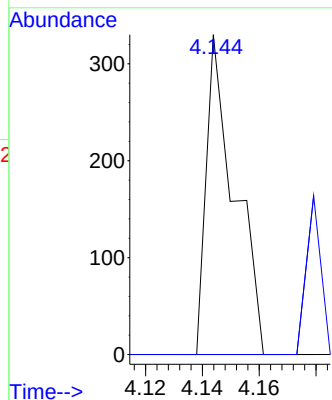
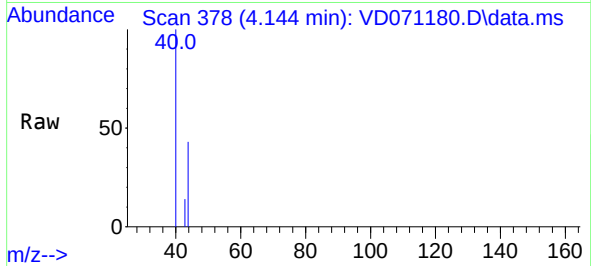
ClientSampleId :

Tgt Ion: 43 Resp: 228

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: VD071180.D

Acq: 07 Dec 2021 13:45

Tgt Ion: 84 Resp: 56

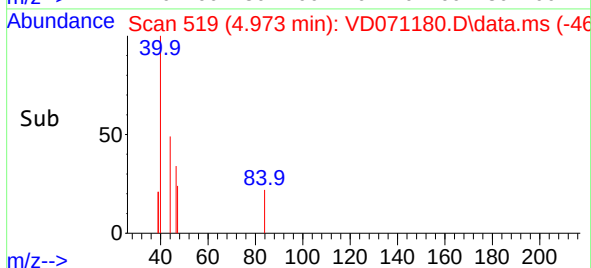
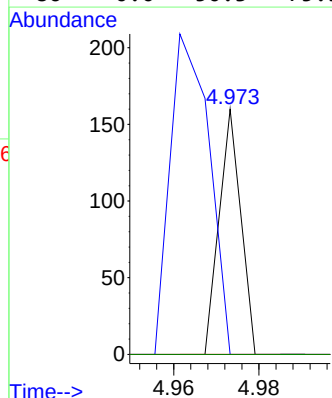
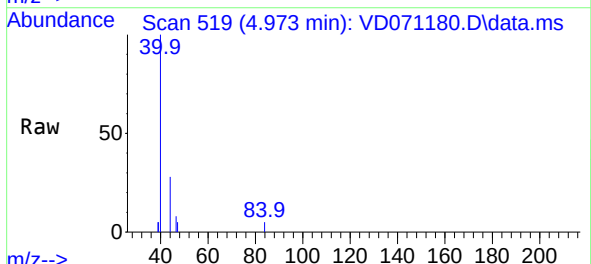
Ion Ratio Lower Upper

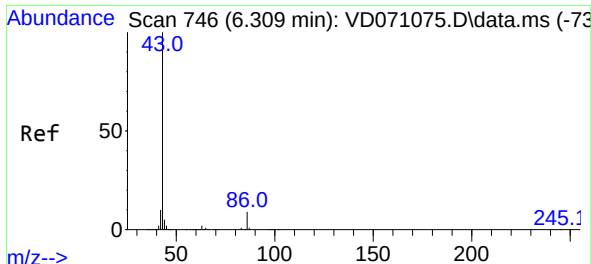
84 100

49 0.0 95.8 143.6#

51 0.0 30.9 46.3#

86 0.0 50.3 75.5#

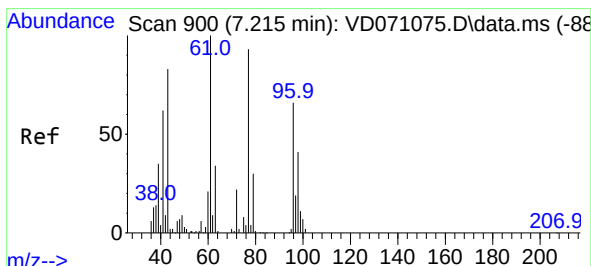
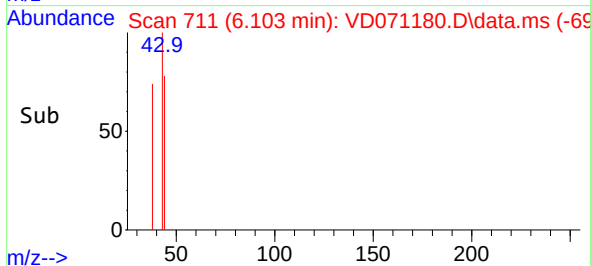
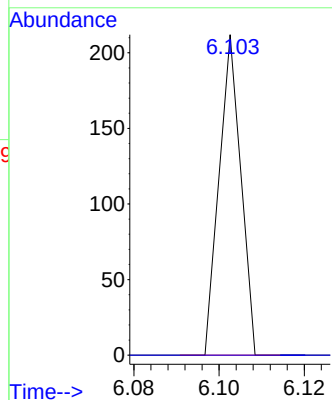
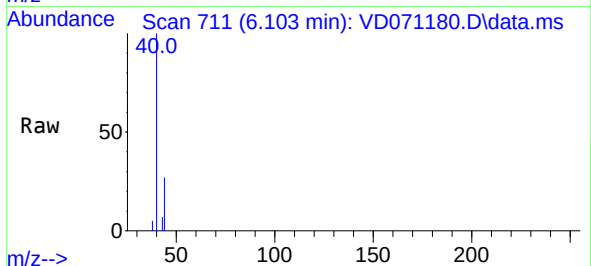




#23
 Vinyl Acetate
 Concen: 27.75 ug/l
 RT: 6.103 min Scan# 711
 Delta R.T. -0.206 min
 Lab File: VD071180.D
 Acq: 07 Dec 2021 13:45

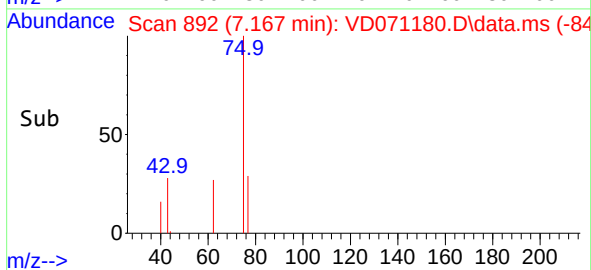
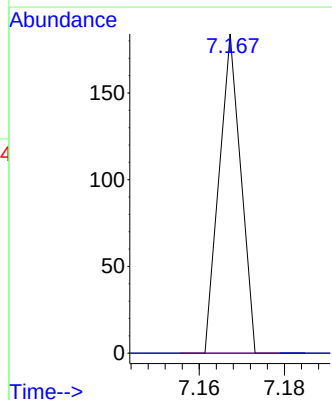
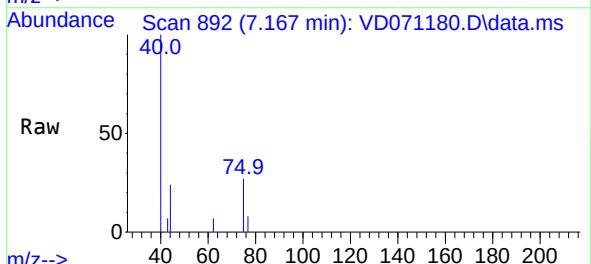
Instrument :
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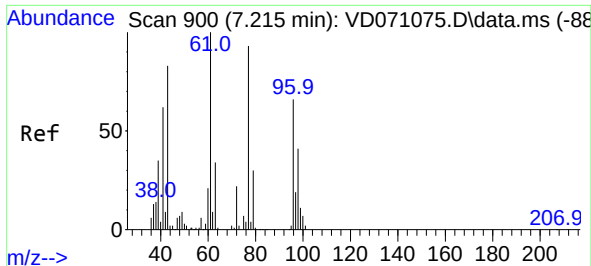
Tgt Ion: 43 Resp: 75
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 30.77 ug/l
 RT: 7.167 min Scan# 892
 Delta R.T. -0.048 min
 Lab File: VD071180.D
 Acq: 07 Dec 2021 13:45

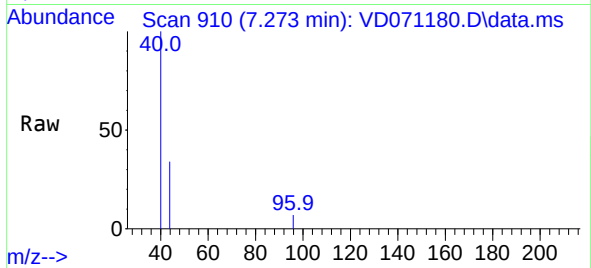
Tgt Ion: 43 Resp: 65
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



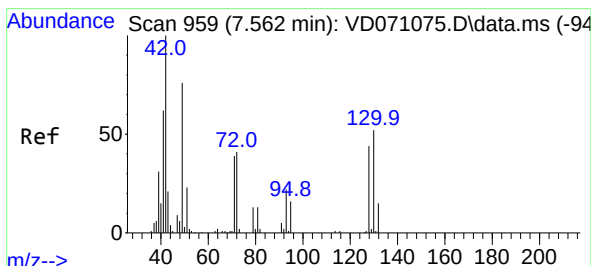
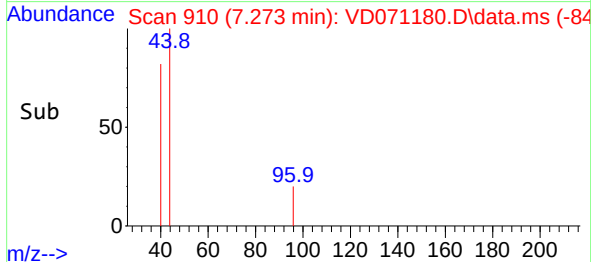
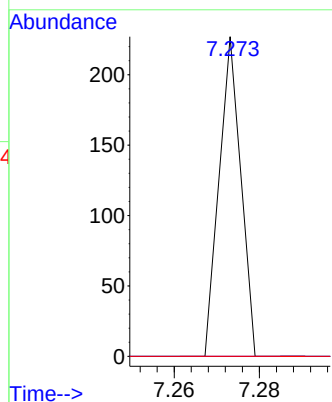


#27
cis-1,2-Dichloroethene
Concen: 1.02 ug/l
RT: 7.273 min Scan# 910
Delta R.T. 0.058 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Instrument :
MSVOA_D
ClientSampleId :

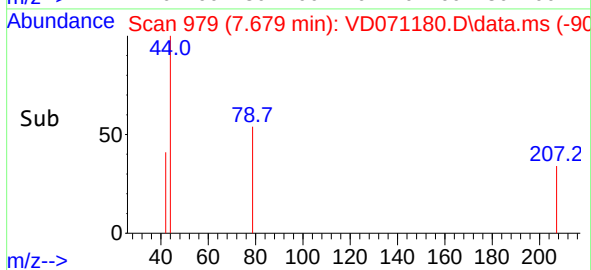
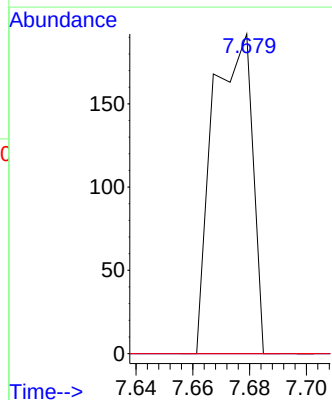
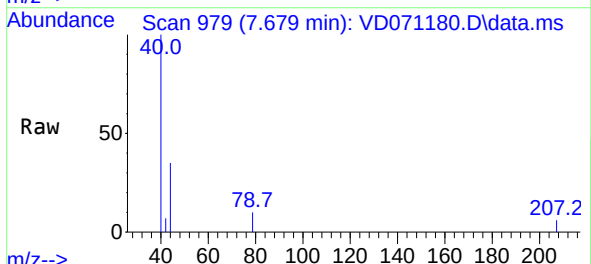


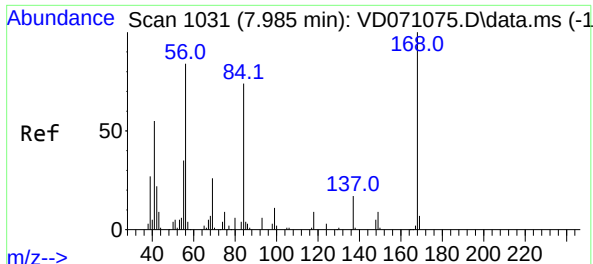
Tgt Ion: 96 Resp: 80
Ion Ratio Lower Upper
96 100
61 0.0 0.0 288.6
98 0.0 0.0 129.2



#29
Tetrahydrofuran
Concen: 14.96 ug/l
RT: 7.679 min Scan# 979
Delta R.T. 0.117 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Tgt Ion: 42 Resp: 185
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#

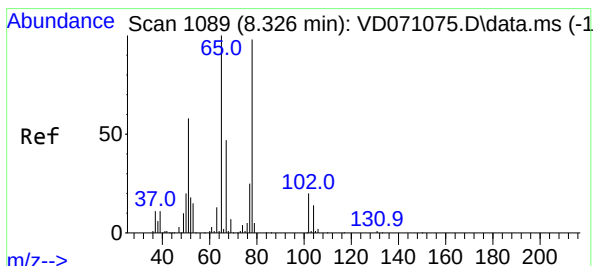
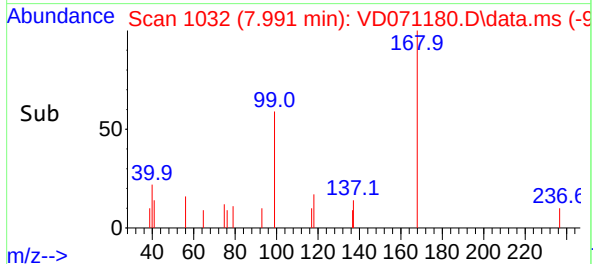
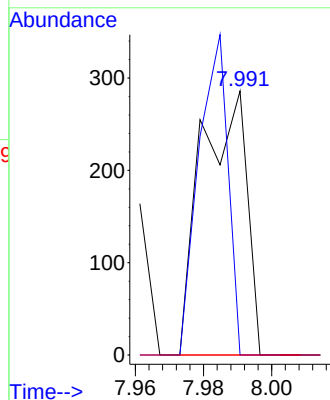
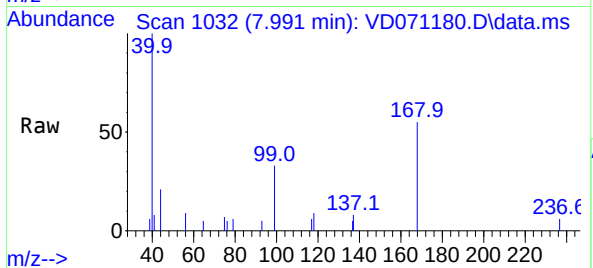




#31
Cyclohexane
Concen: 1.99 ug/l
RT: 7.991 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

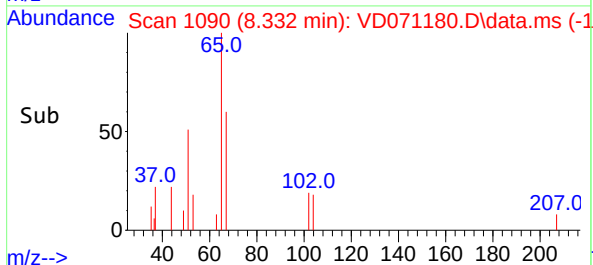
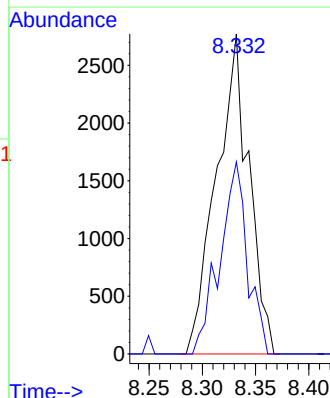
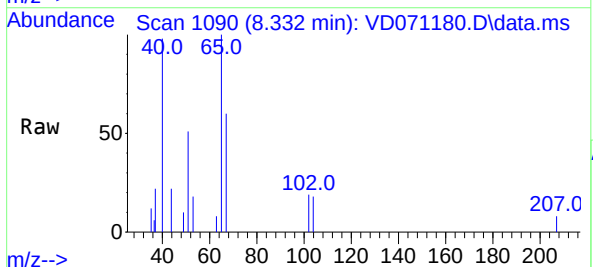
Instrument :
MSVOA_D
ClientSampleId :

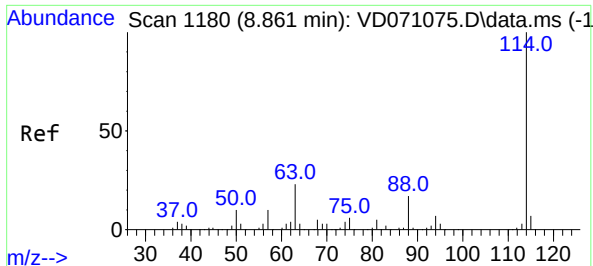
Tgt Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
69 0.0 25.9 38.9#
84 0.0 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 75.66 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Tgt Ion: 65 Resp: 5893
Ion Ratio Lower Upper
65 100
67 51.1 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

Instrument :

MSVOA_D

ClientSampleId :

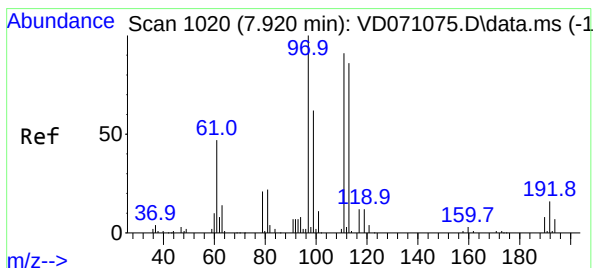
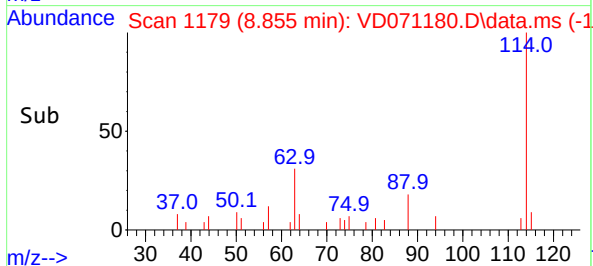
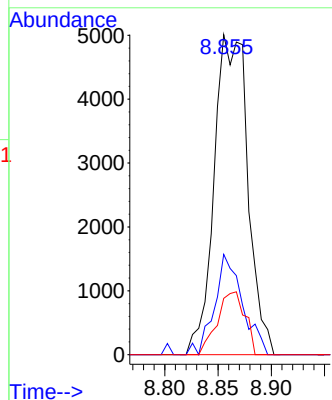
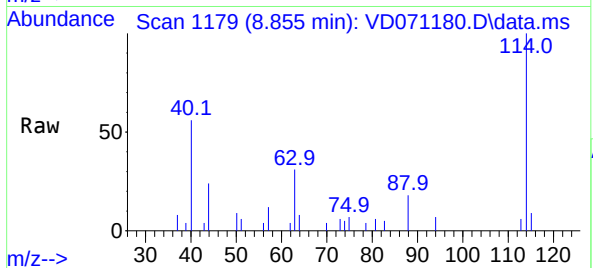
Tgt Ion:114 Resp: 11003

Ion Ratio Lower Upper

114 100

63 31.4 0.0 41.8

88 17.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.83 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

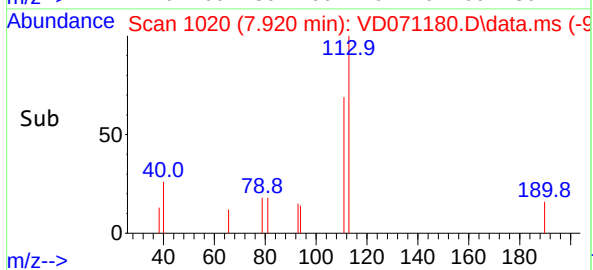
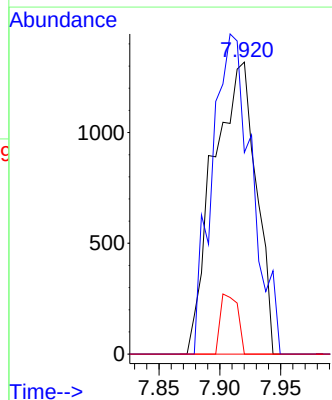
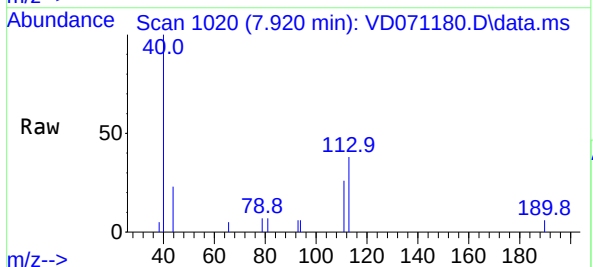
Tgt Ion:113 Resp: 3211

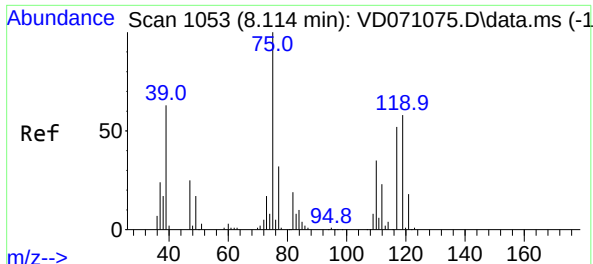
Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

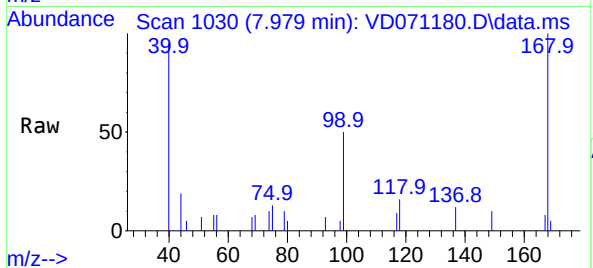
192 8.3 15.2 22.8#



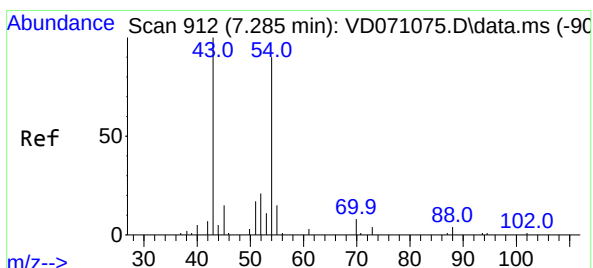
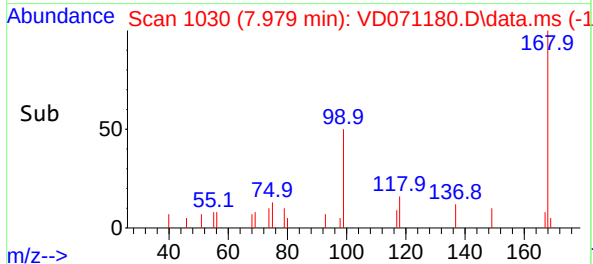
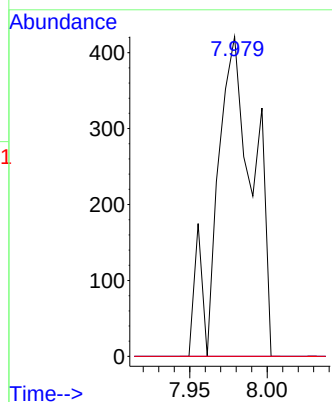


#36
1,1-Dichloropropene
Concen: 6.79 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Instrument :
MSVOA_D
ClientSampleId :

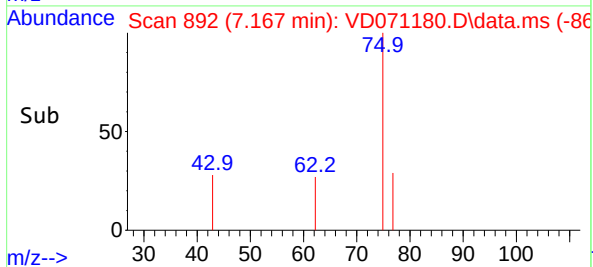
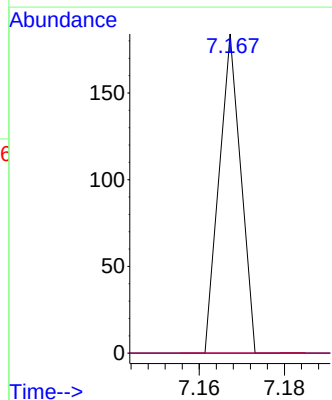
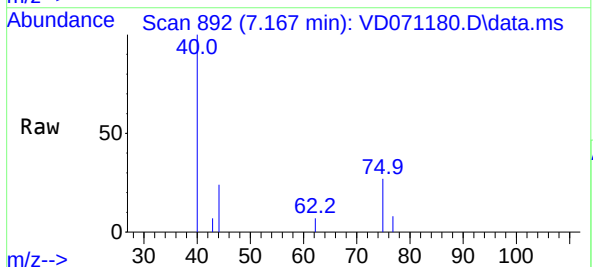


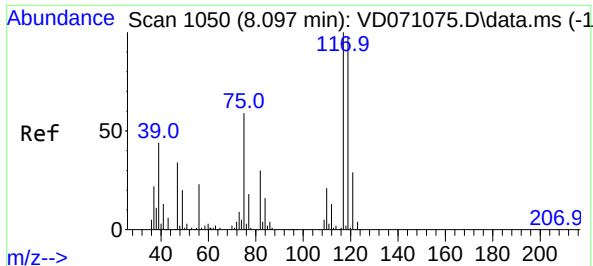
Tgt Ion: 75 Resp: 698
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.46 ug/l
RT: 7.167 min Scan# 892
Delta R.T. -0.118 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

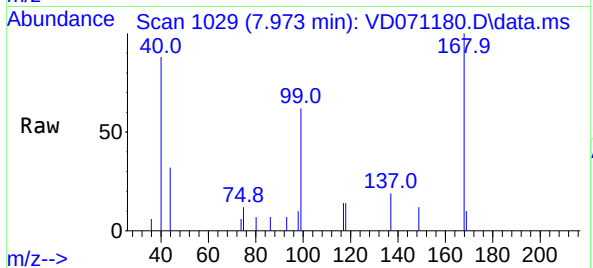
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 8.7 13.1#



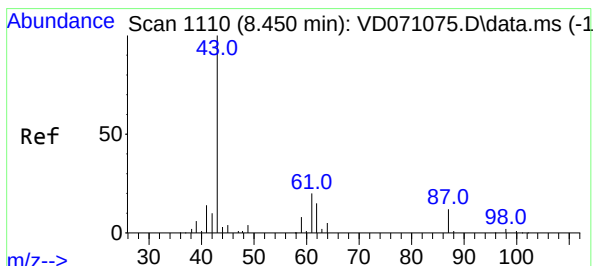
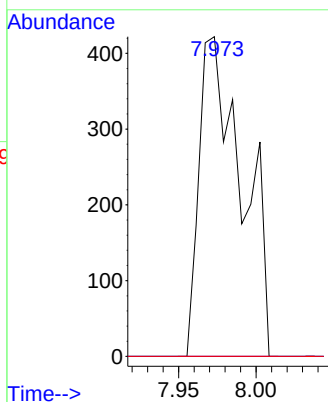
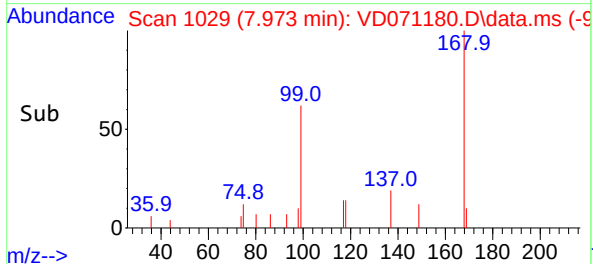


#38
Carbon Tetrachloride
Concen: 7.97 ug/l
RT: 7.973 min Scan# 1104
Delta R.T. -0.124 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Instrument :
MSVOA_D
ClientSampleId :

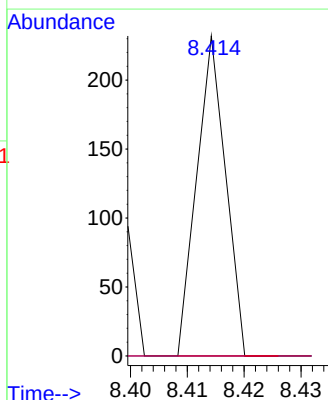
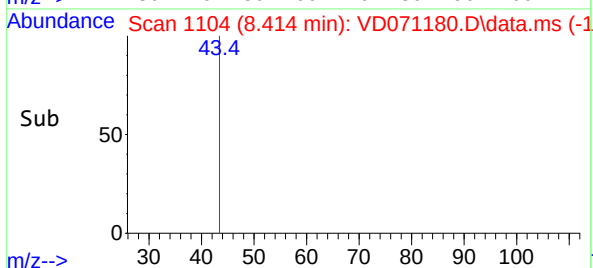
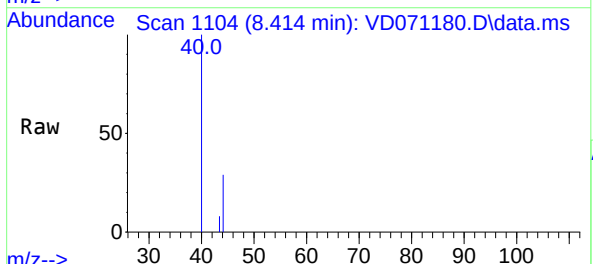


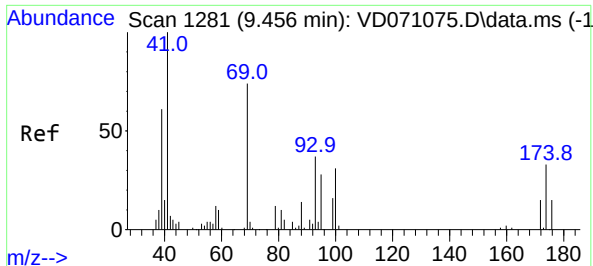
Tgt Ion:117 Resp: 808
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.97 ug/l
RT: 8.414 min Scan# 1104
Delta R.T. -0.036 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#





#48

Methyl methacrylate

Concen: 1.89 ug/l

RT: 9.526 min Scan# 1281

Delta R.T. 0.070 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

Instrument :

MSVOA_D

ClientSampleId :

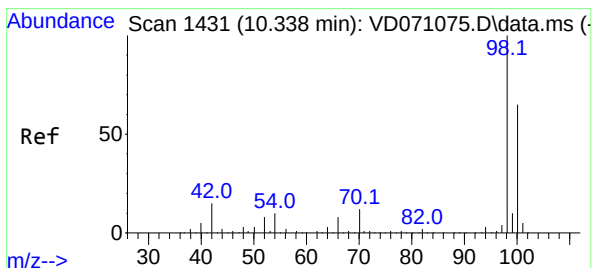
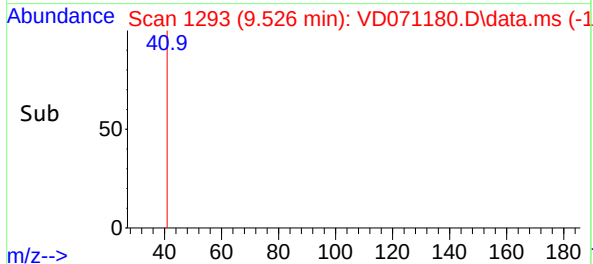
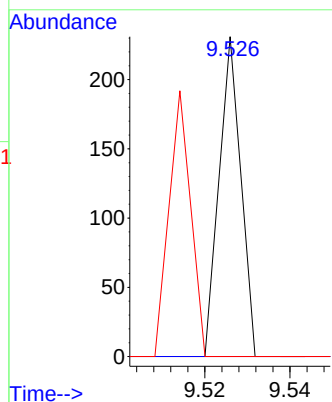
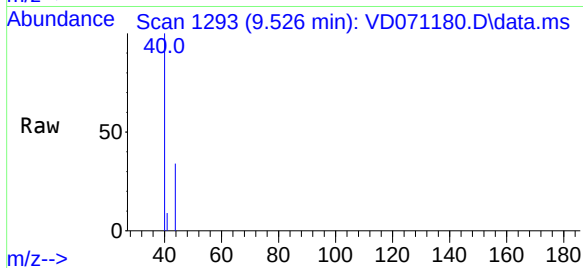
Tgt Ion: 41 Resp: 82

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 82.9 35.6 53.4#



#50

Toluene-d8

Concen: 52.31 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071180.D

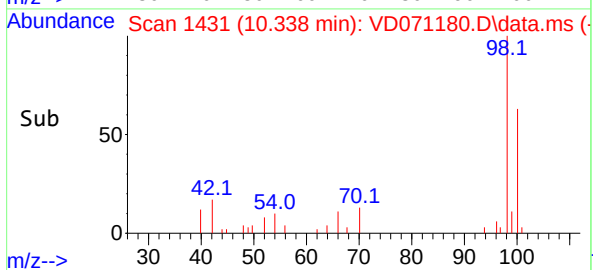
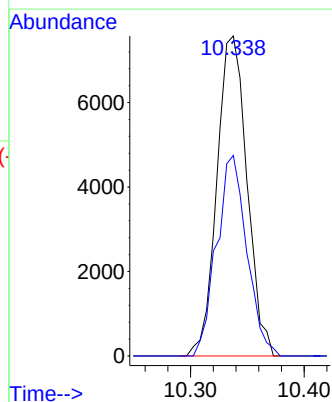
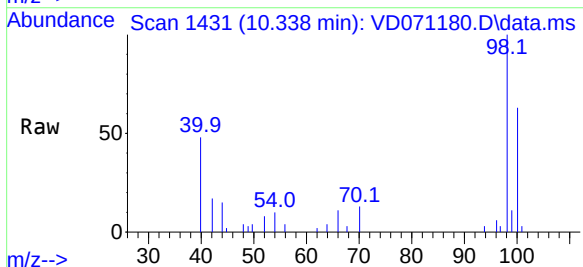
Acq: 07 Dec 2021 13:45

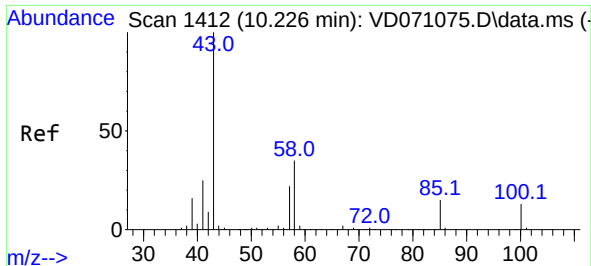
Tgt Ion: 98 Resp: 13947

Ion Ratio Lower Upper

98 100

100 63.0 51.8 77.6

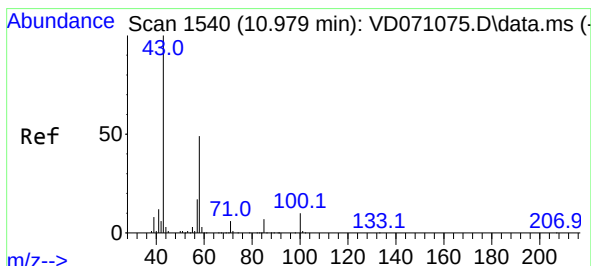
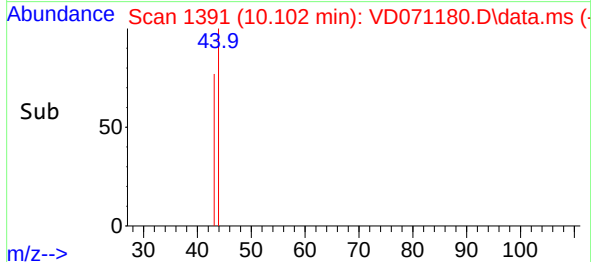
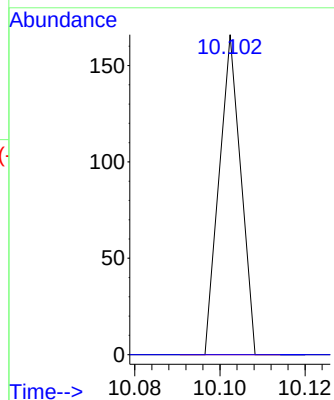
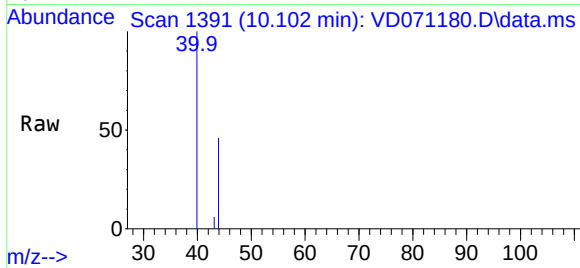




#51
4-Methyl-2-Pentanone
Concen: 31.69 ug/l
RT: 10.102 min Scan# 11
Delta R.T. -0.124 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

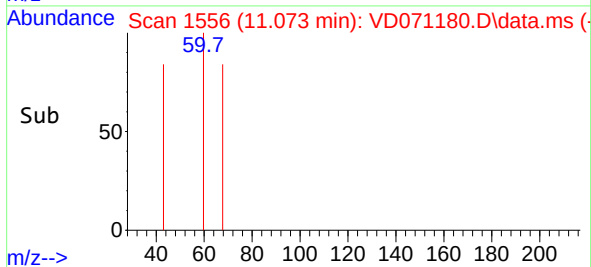
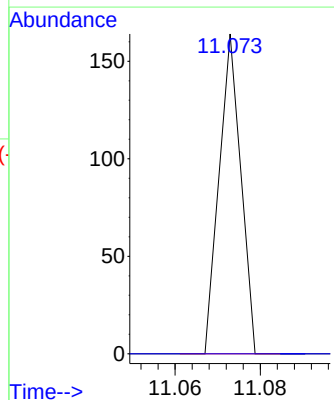
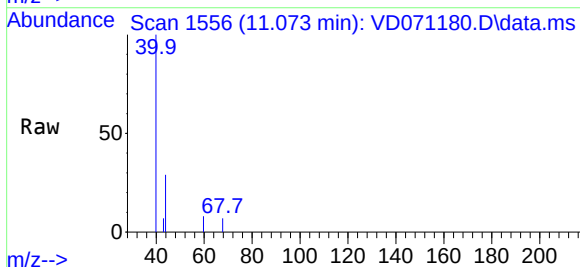
Instrument :
MSVOA_D
ClientSampleId :

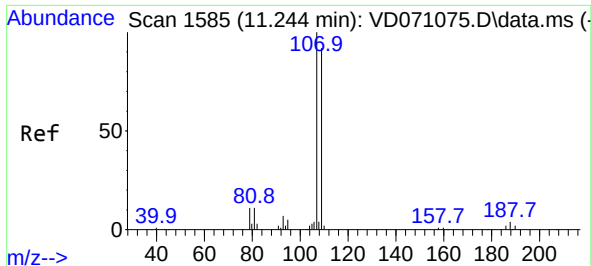
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 35.90 ug/l
RT: 11.073 min Scan# 1556
Delta R.T. 0.094 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

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





#61

1,2-Dibromoethane

Concen: 1.19 ug/l

RT: 11.149 min Scan# 1569

Delta R.T. -0.095 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

Instrument :

MSVOA_D

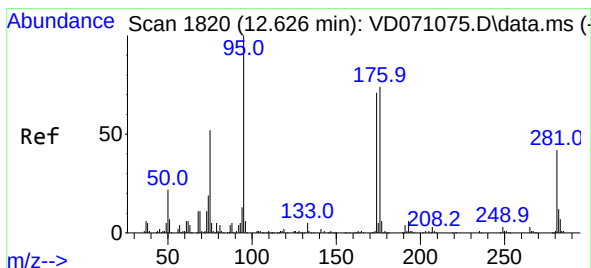
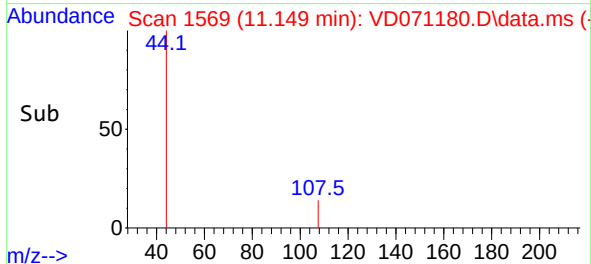
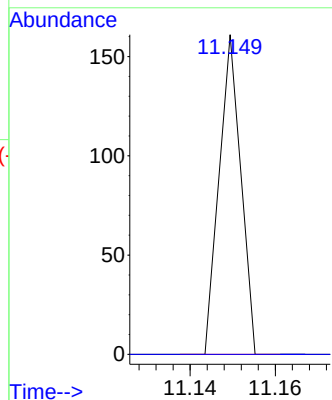
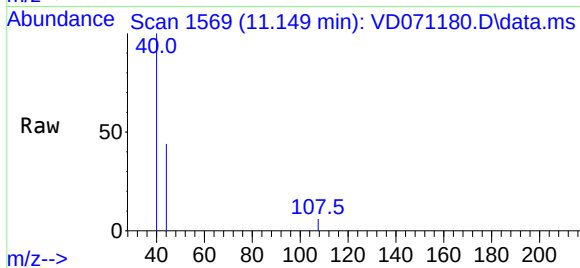
ClientSampleId :

Tgt Ion:107 Resp: 57

Ion Ratio Lower Upper

107 100

109 0.0 74.6 112.0#



#62

4-Bromofluorobenzene

Concen: 62.55 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

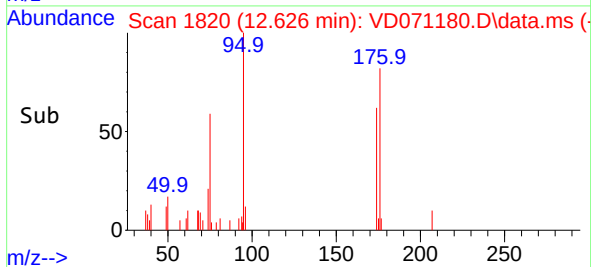
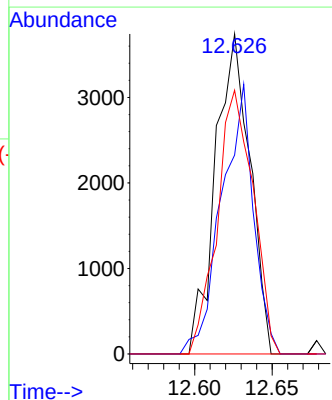
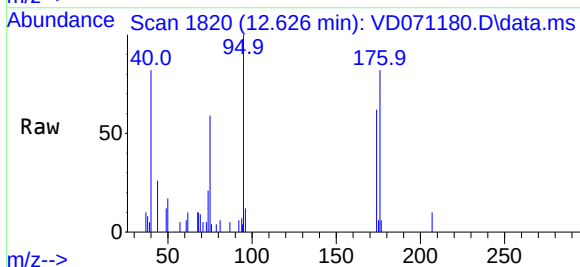
Tgt Ion: 95 Resp: 5781

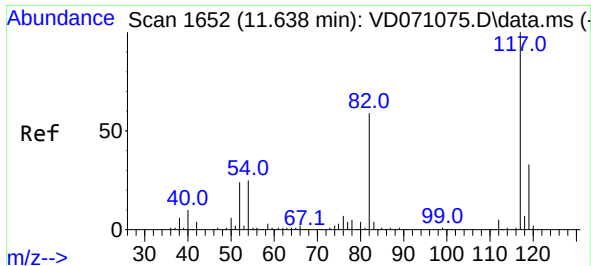
Ion Ratio Lower Upper

95 100

174 77.9 0.0 159.4

176 86.2 0.0 154.0

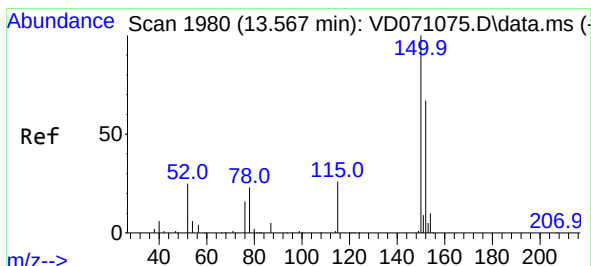
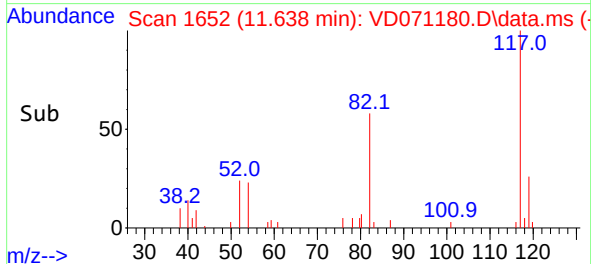
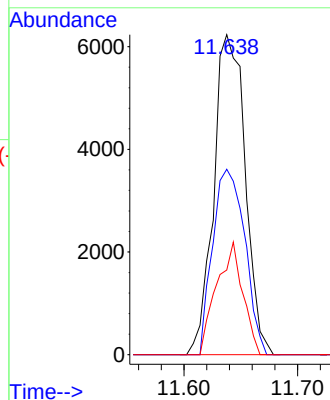
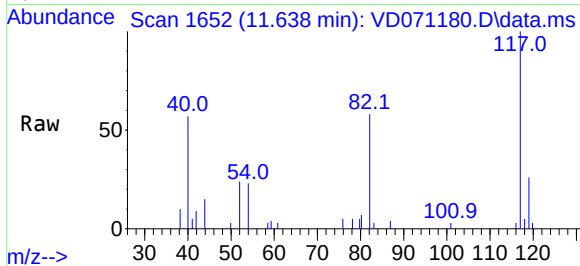




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 11968
Delta R.T. -0.000 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

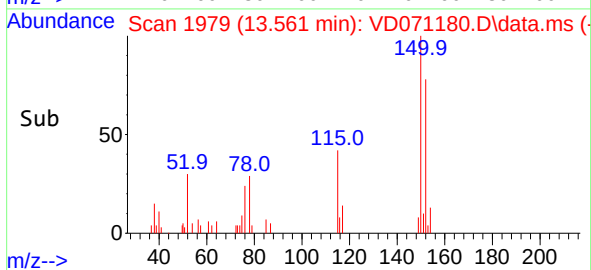
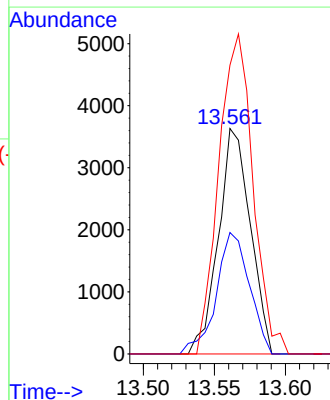
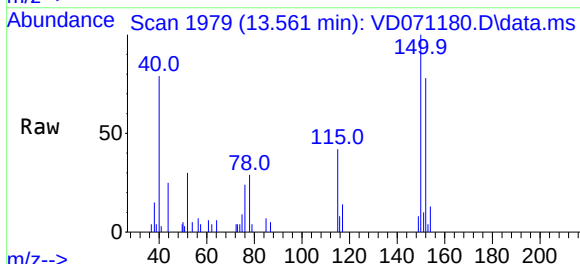
Instrument :
MSVOA_D
ClientSampleId :

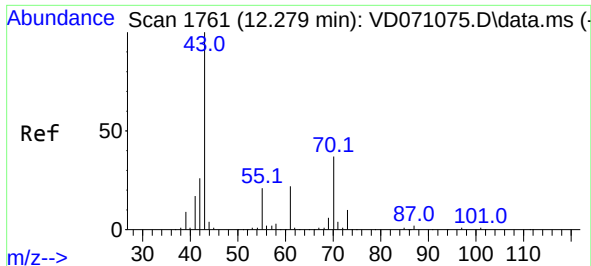
Tgt Ion:	117	Resp:	11968
Ion	Ratio	Lower	Upper
117	100		
82	57.9	44.7	67.1
119	26.4	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Tgt Ion:	152	Resp:	5674
Ion	Ratio	Lower	Upper
152	100		
115	55.9	29.8	89.3
150	152.4	0.0	349.2

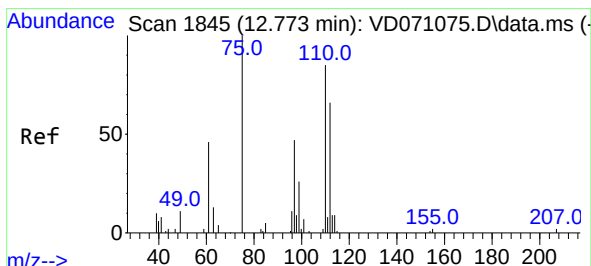
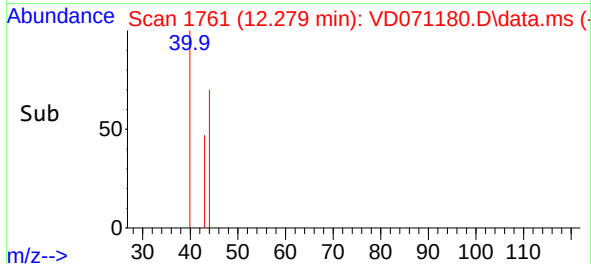
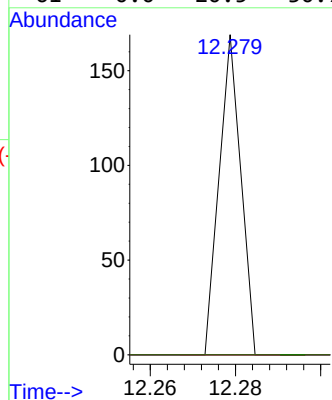
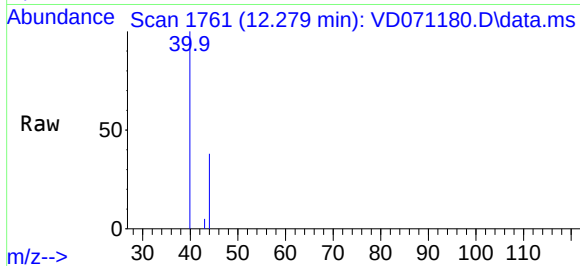




#74
N-amy1 acetate
Concen: 6.17 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

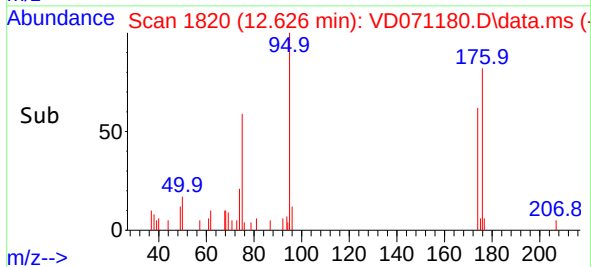
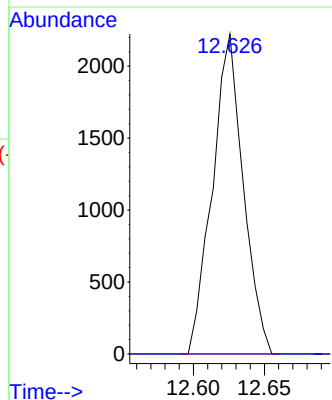
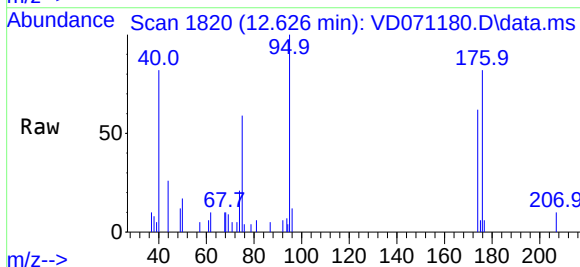
Instrument :
MSVOA_D
ClientSampleId :

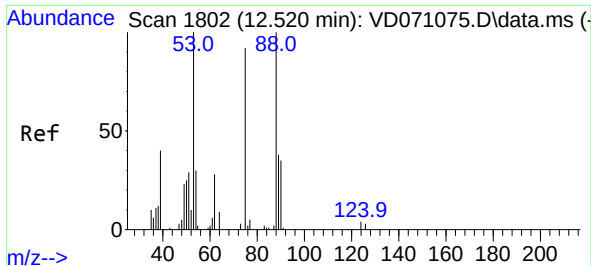
Tgt Ion: 43	Resp: 60
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 62.12 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

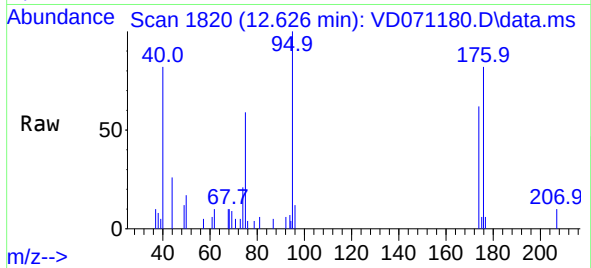
Tgt Ion: 75	Resp: 3358
Ion Ratio	Lower Upper
75 100	
77 0.0	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.28 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071180.D
 Acq: 07 Dec 2021 13:45

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 3358
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

