

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 :
 VNJ-221

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)

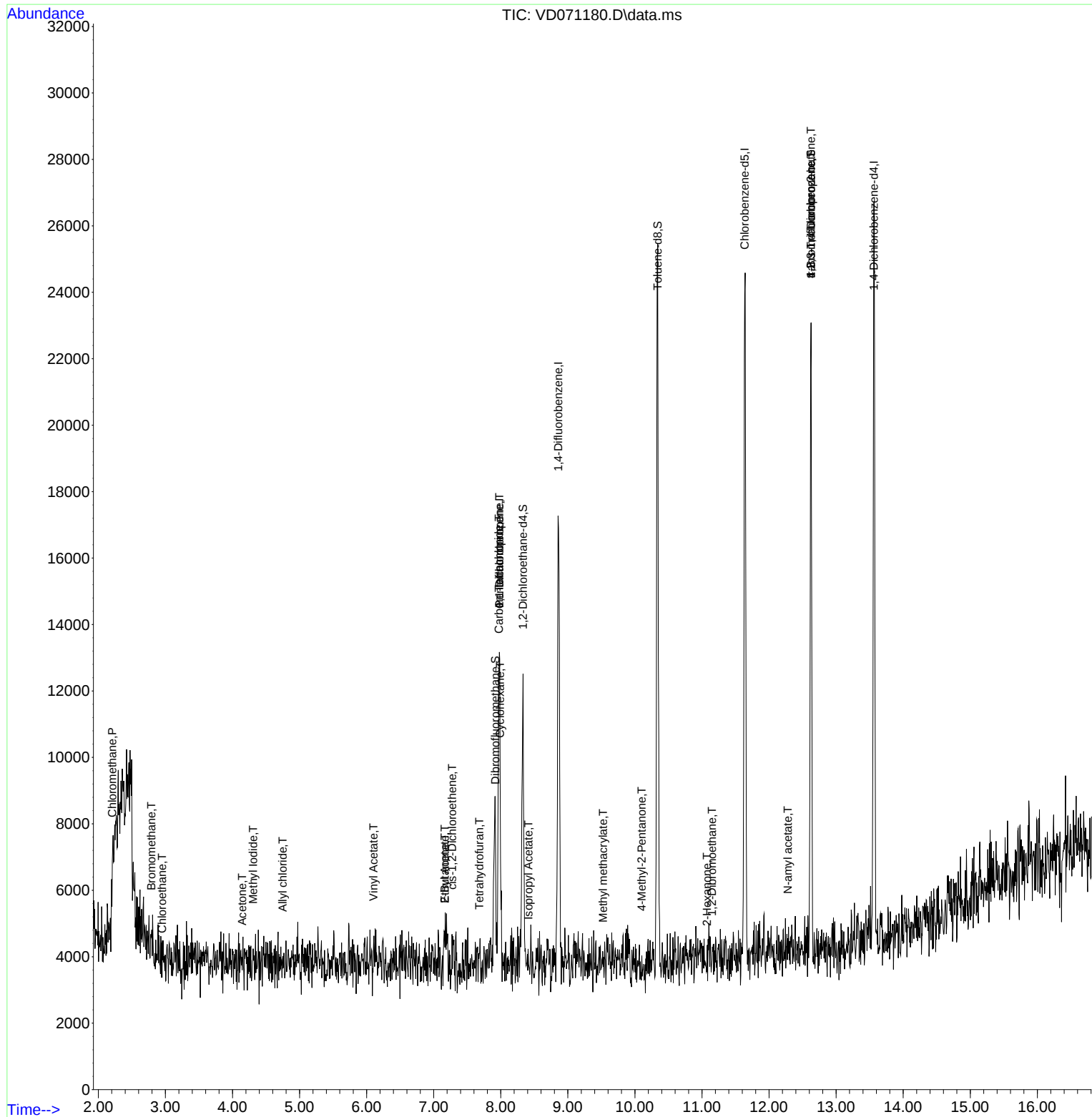
Internal Standards						
1) Pentafluorobenzene	7.979	168	6638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	11003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	11968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	5674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	5893	75.659	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.320%	
35) Dibromofluoromethane	7.920	113	3211	45.828	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.660%	
50) Toluene-d8	10.338	98	13947	52.307	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.620%	
62) 4-Bromofluorobenzene	12.626	95	5781	62.547	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 125.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	344	4.593	ug/l #	42
5) Bromomethane	2.791	94	270	4.483	ug/l	88
6) Chloroethane	2.950	64	58	1.009	ug/l #	39
10) Methyl Iodide	4.309	142	140	6.200	ug/l #	89
14) Allyl chloride	4.750	41	136	1.162	ug/l #	1
16) Acetone	4.144	43	228	40.462	ug/l #	40
20) Methylene Chloride	4.973	84	56	Below Cal	#	7
23) Vinyl Acetate	6.103	43	75	27.745	ug/l #	72
25) 2-Butanone	7.167	43	65	30.771	ug/l #	45
27) cis-1,2-Dichloroethene	7.273	96	80	1.019	ug/l #	1
29) Tetrahydrofuran	7.679	42	185	14.958	ug/l #	34
31) Cyclohexane	7.991	56	264	1.993	ug/l #	19
36) 1,1-Dichloropropene	7.979	75	698	6.787	ug/l #	41
37) Ethyl Acetate	7.167	43	65	1.463	ug/l #	66
38) Carbon Tetrachloride	7.973	117	808	7.971	ug/l #	12
41) Methacrylonitrile	7.503	41	132	Below Cal	#	34
43) Isopropyl Acetate	8.414	43	82	5.974	ug/l #	47
48) Methyl methacrylate	9.526	41	82	1.886	ug/l #	18
51) 4-Methyl-2-Pentanone	10.102	43	59	31.685	ug/l #	34
59) 2-Hexanone	11.073	43	58	35.898	ug/l #	22
61) 1,2-Dibromoethane	11.149	107	57	1.187	ug/l #	3
74) N-amyl acetate	12.279	43	60	6.174	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	3358	62.117	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	3358	134.284	ug/l #	18

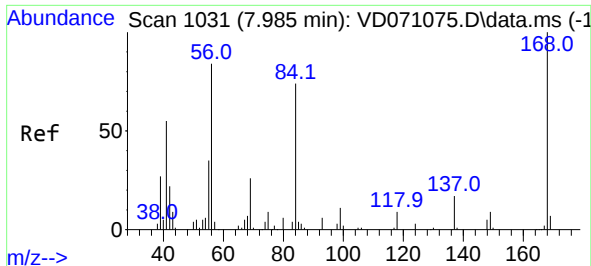
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071180.D
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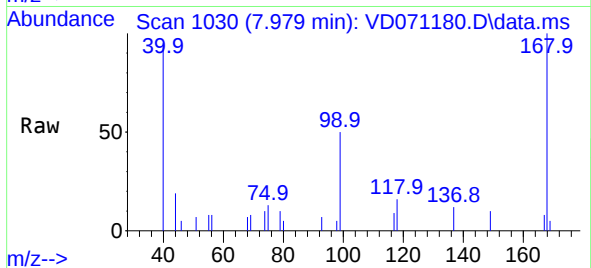
Quant Time: Dec 08 02:49:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
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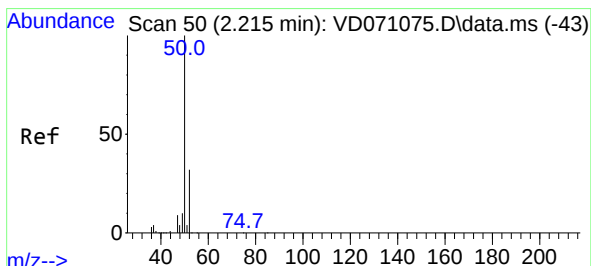
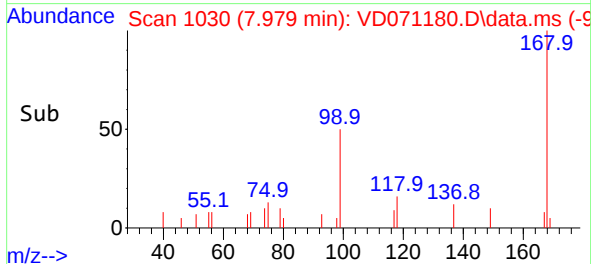
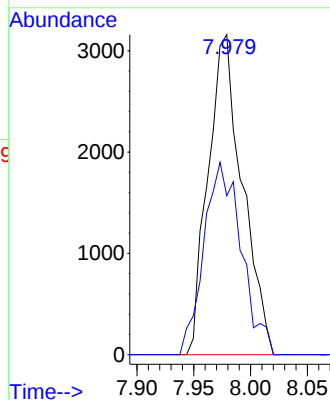


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

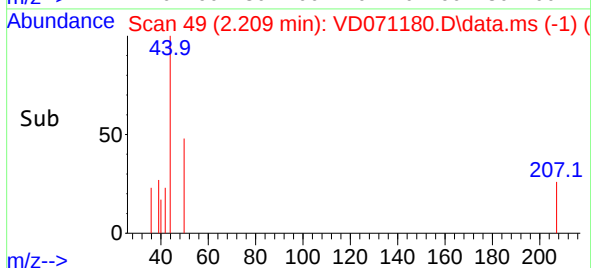
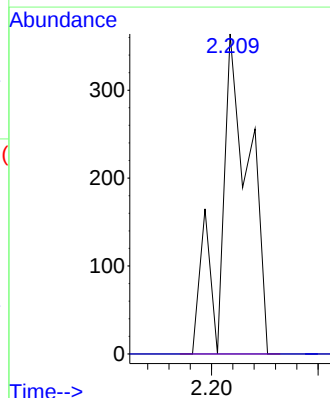
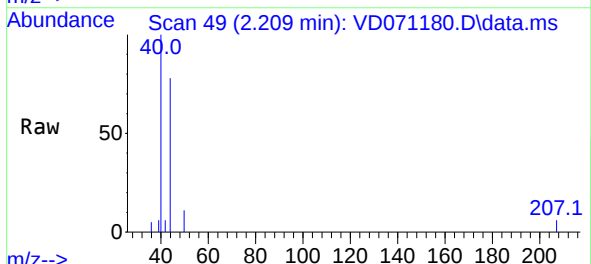


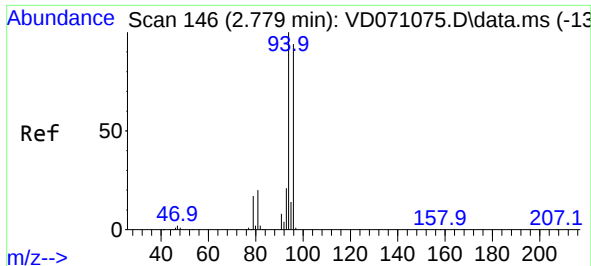
Tgt Ion:168 Resp: 6638
Ion Ratio Lower Upper
168 100
99 49.7 46.6 69.8



#3
Chloromethane
Concen: 4.593 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#

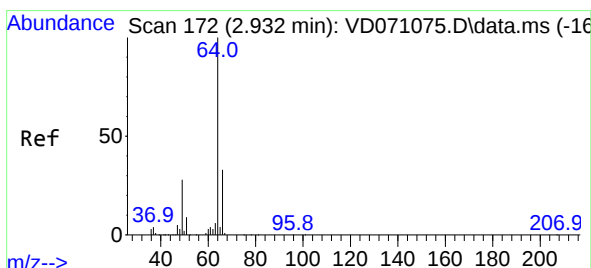
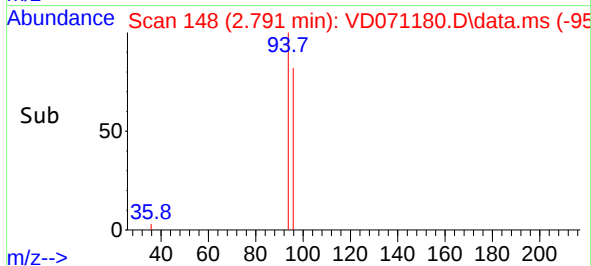
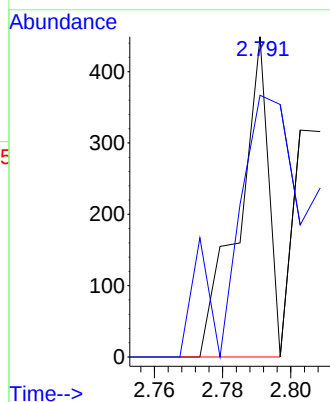
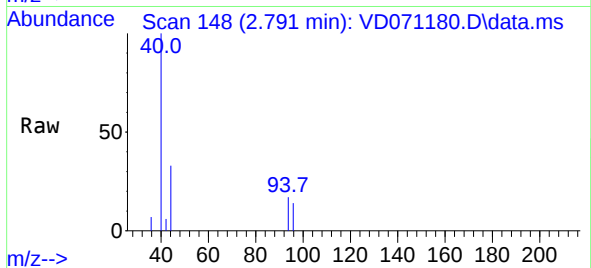




#5
Bromomethane
Concen: 4.483 ug/l
RT: 2.791 min Scan# 14
Delta R.T. 0.012 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

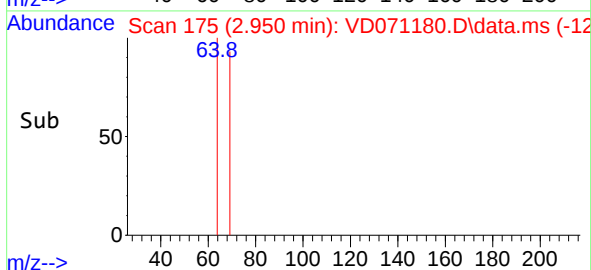
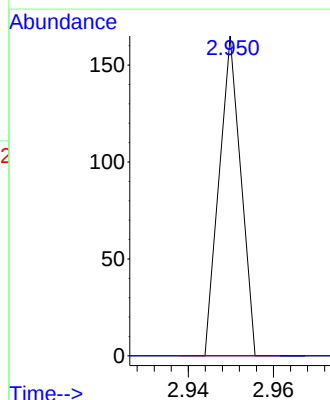
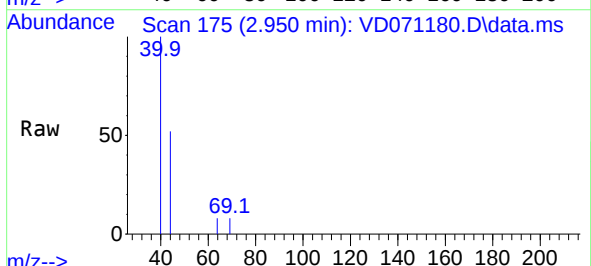
Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

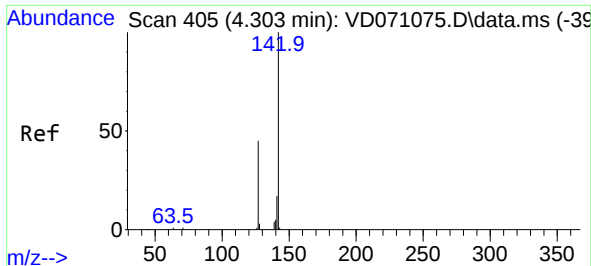
Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 81.7 74.8 112.2



#6
Chloroethane
Concen: 1.009 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#

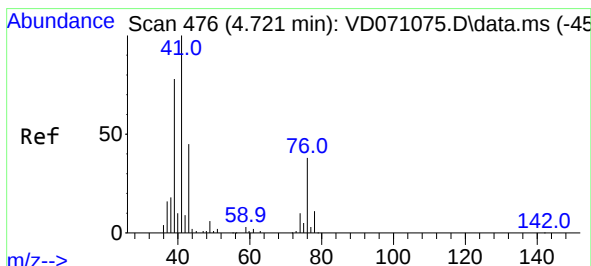
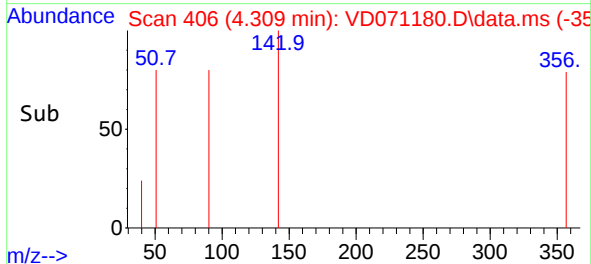
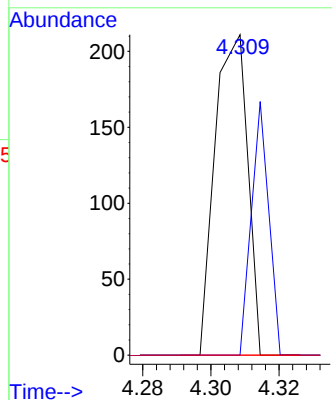
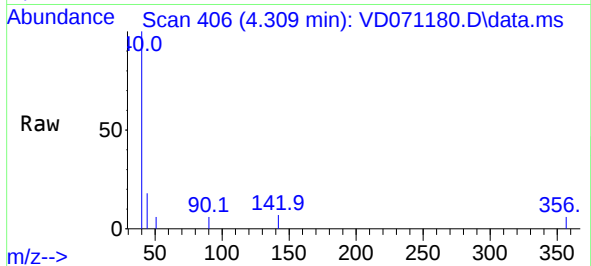




#10
Methyl Iodide
Concen: 6.200 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

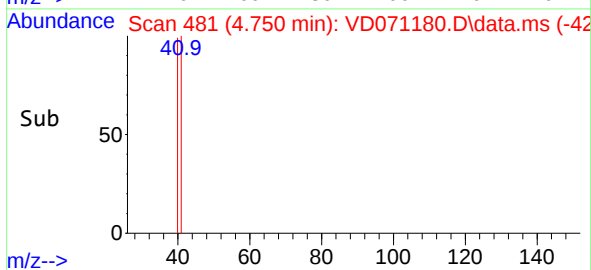
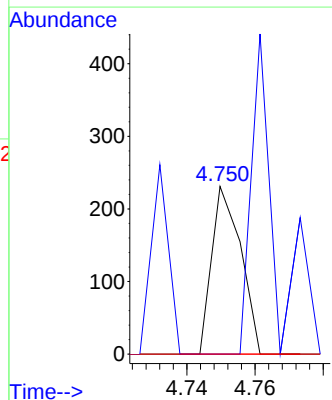
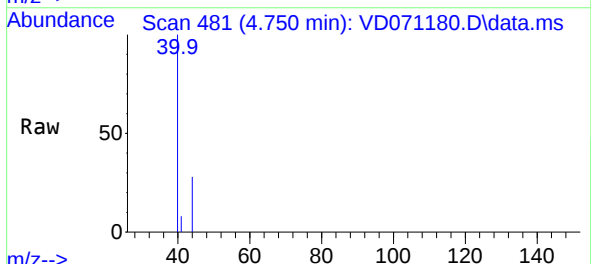
Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

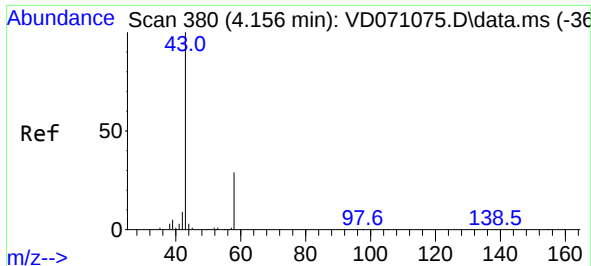
Tgt Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
127 42.1 35.0 52.4
141 0.0 12.0 18.0#



#14
Allyl chloride
Concen: 1.162 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#

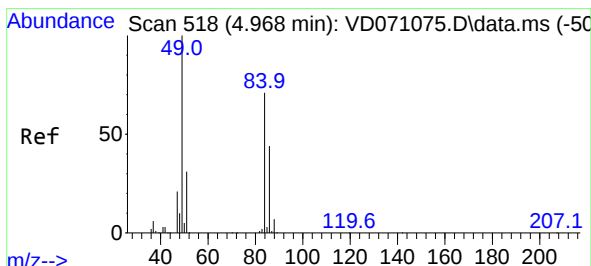
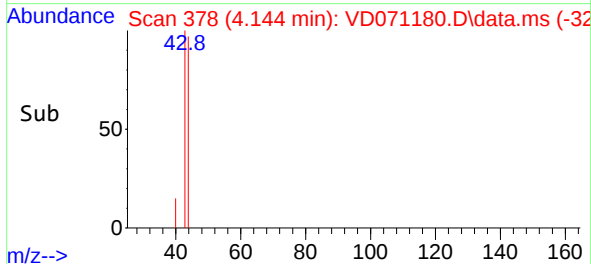
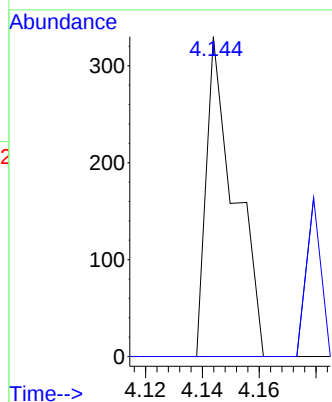
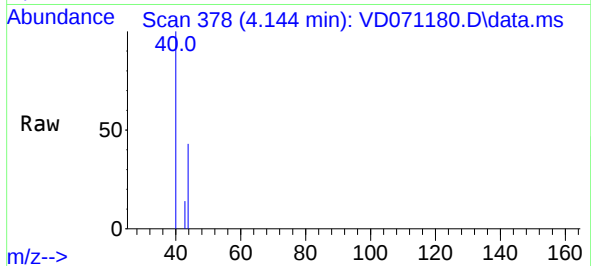




#16
Acetone
Concen: 40.462 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

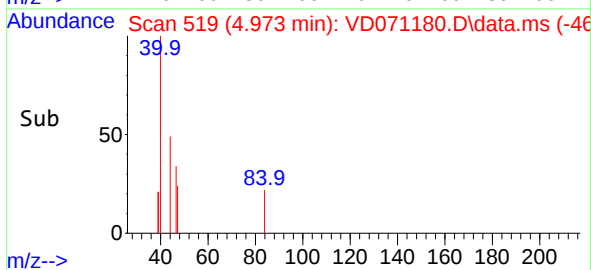
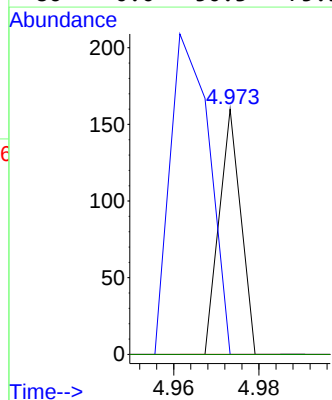
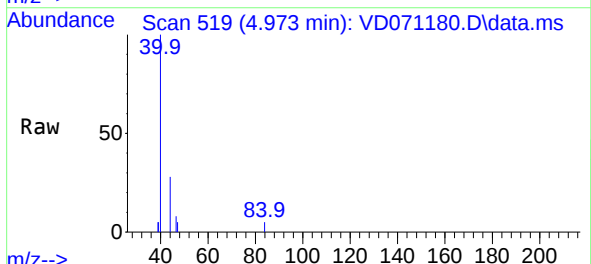
Instrument :
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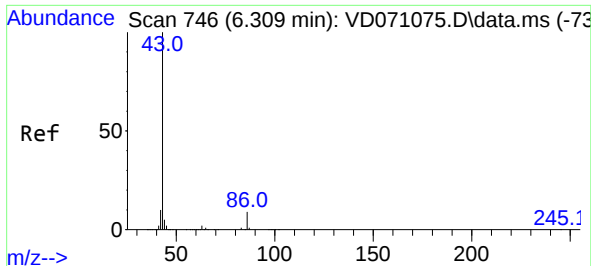
Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#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#

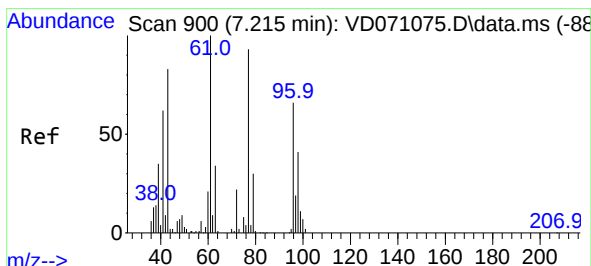
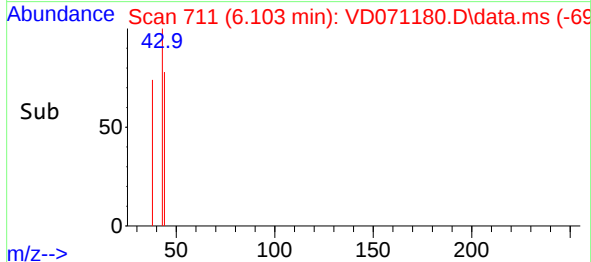
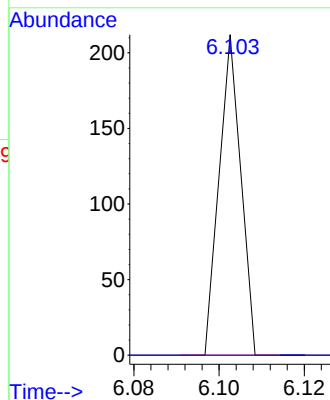
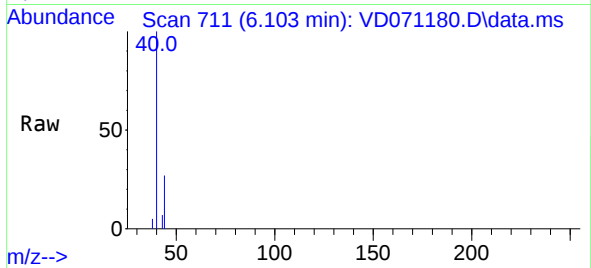




#23
 Vinyl Acetate
 Concen: 27.745 ug/l
 RT: 6.103 min Scan# 711
 Delta R.T. -0.206 min
 Lab File: VD071180.D
 Acq: 07 Dec 2021 13:45

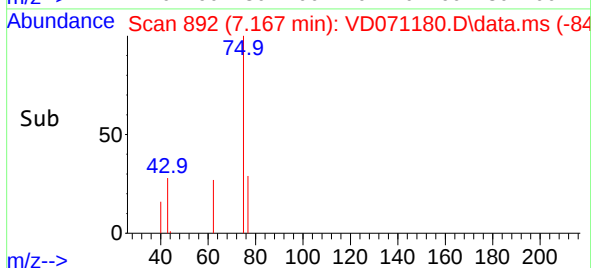
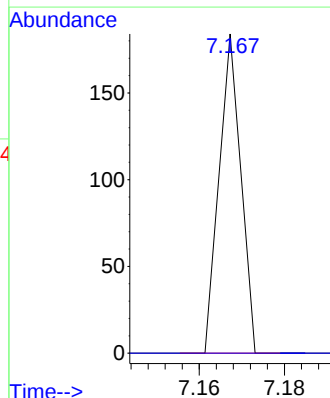
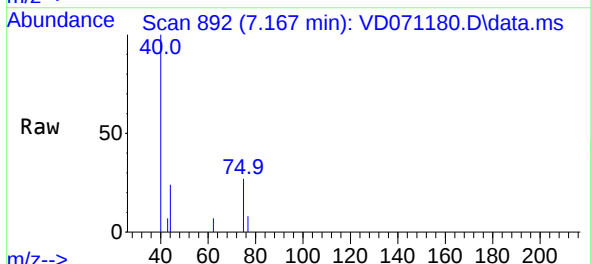
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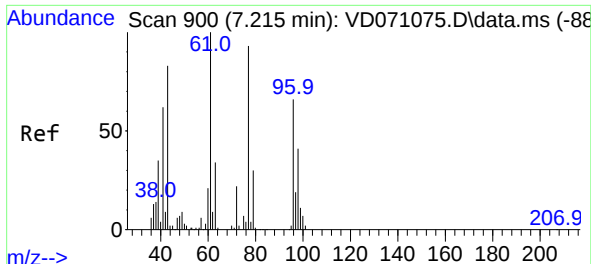
Tgt Ion: 43 Resp: 75
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 30.771 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#

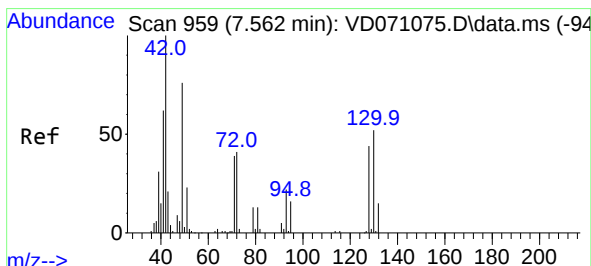
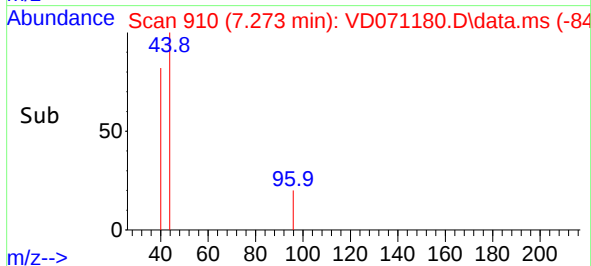
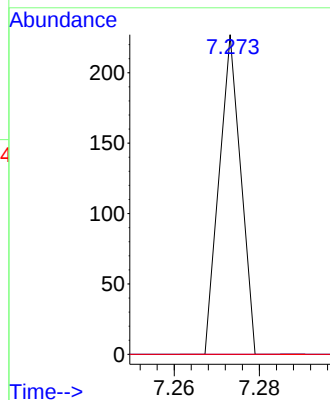
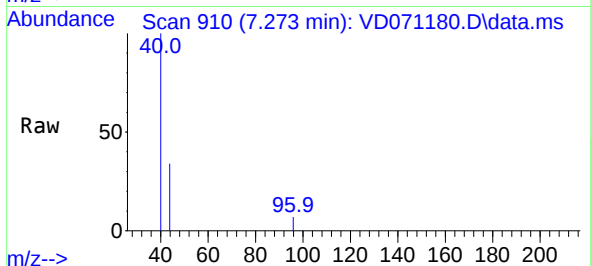




#27
 cis-1,2-Dichloroethene
 Concen: 1.019 ug/l
 RT: 7.273 min Scan# 911
 Delta R.T. 0.058 min
 Lab File: VD071180.D
 Acq: 07 Dec 2021 13:45

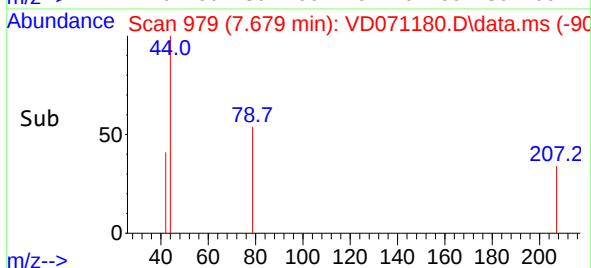
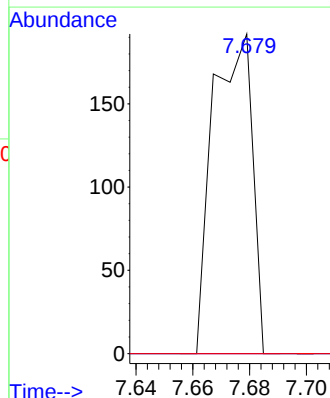
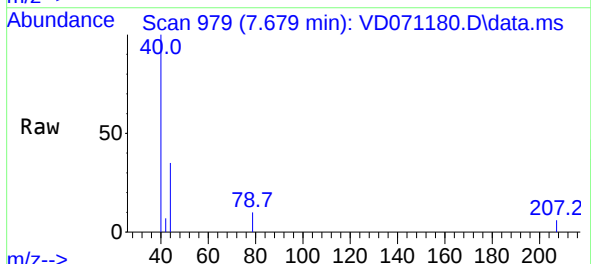
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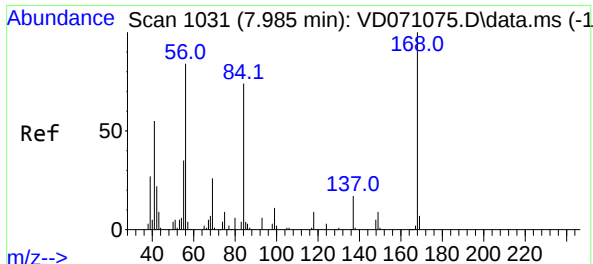
Tgt Ion:	96	Resp:	80
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	288.6
98	0.0	0.0	129.2



#29
 Tetrahydrofuran
 Concen: 14.958 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: 1.993 ug/l

RT: 7.991 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

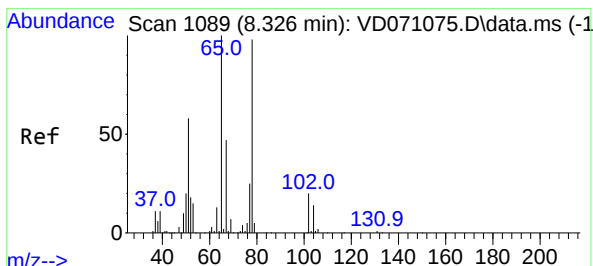
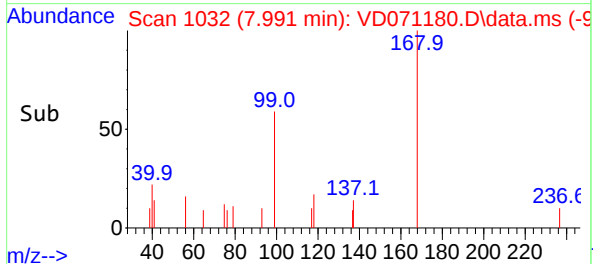
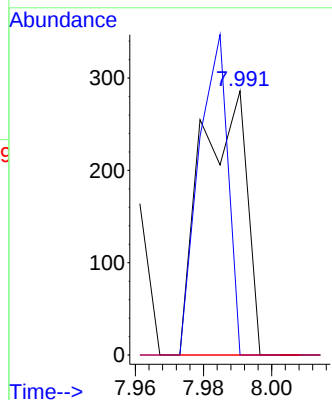
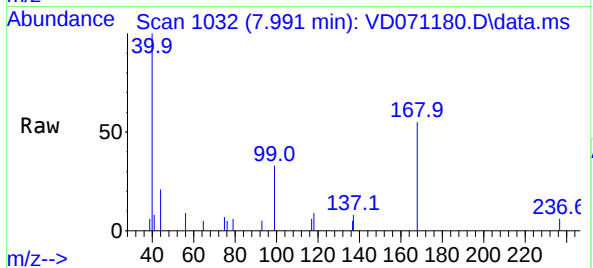
Instrument :

MSVOA_D

ClientSampleId :

VNJ-221

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



#33

1,2-Dichloroethane-d4

Concen: 75.659 ug/l

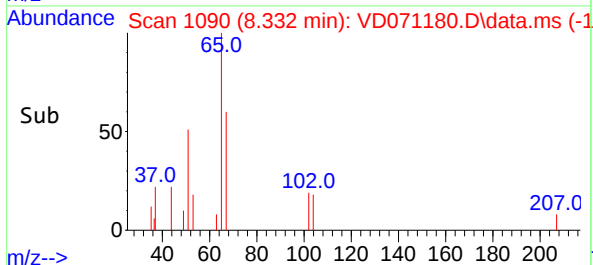
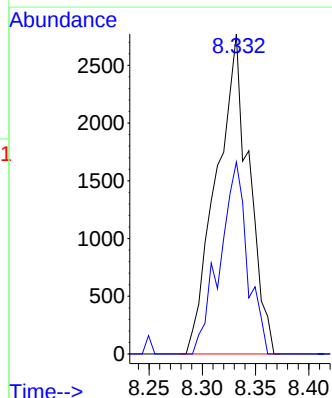
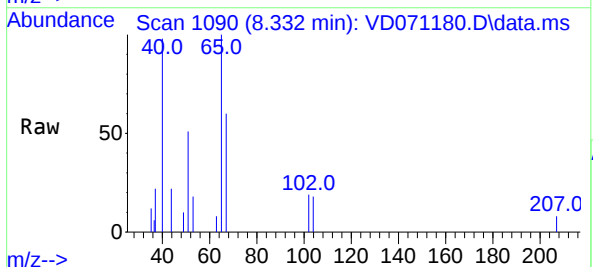
RT: 8.332 min Scan# 1090

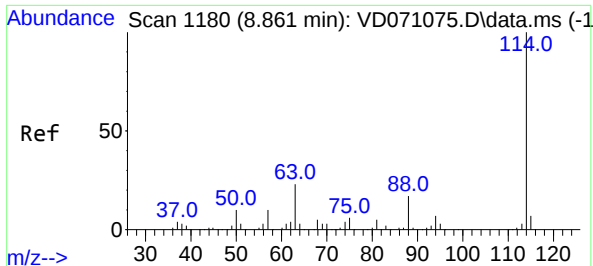
Delta R.T. 0.006 min

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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

Instrument :

MSVOA_D

ClientSampleId :

VNJ-221

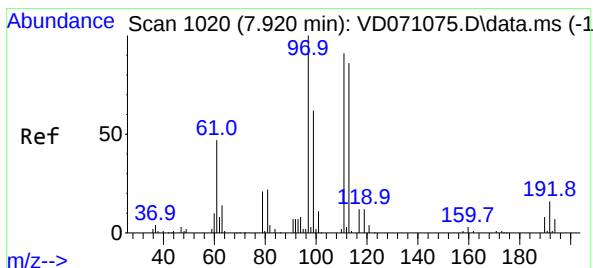
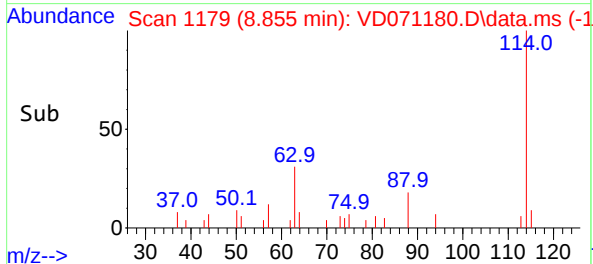
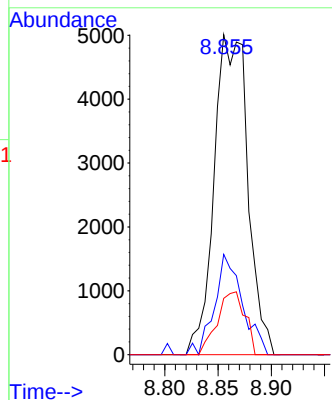
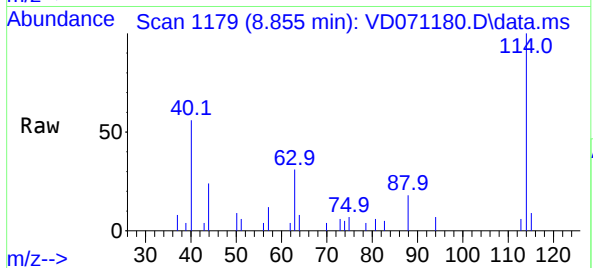
Tgt Ion:114 Resp: 11003

Ion Ratio Lower Upper

114 100

63 31.4 0.0 41.8

88 17.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.828 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

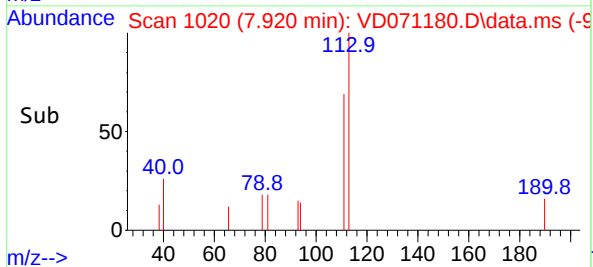
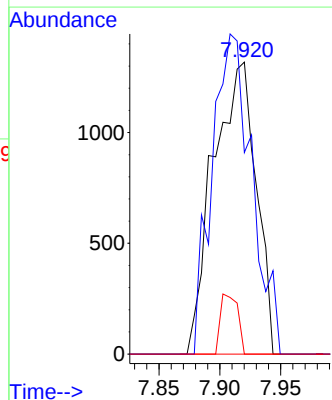
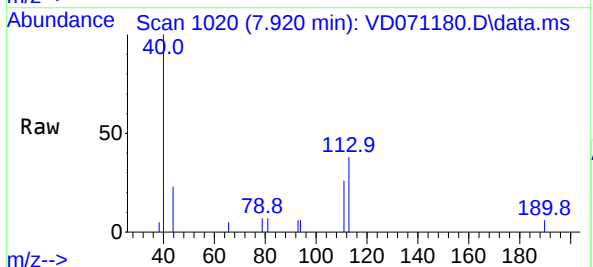
Tgt Ion:113 Resp: 3211

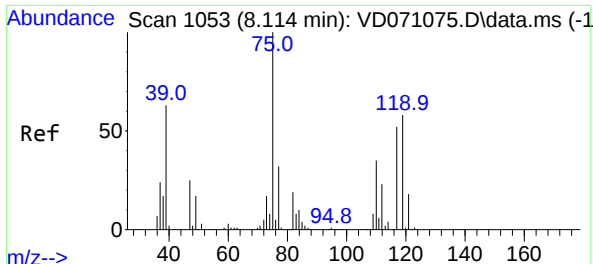
Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

192 8.3 15.2 22.8#

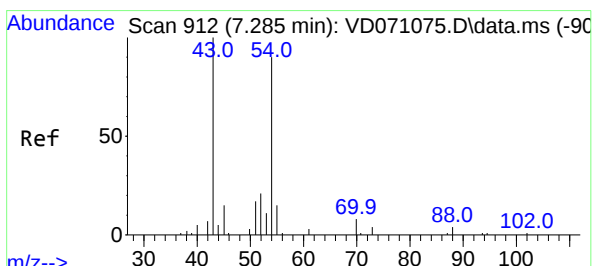
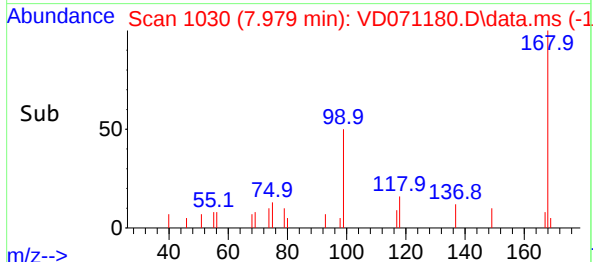
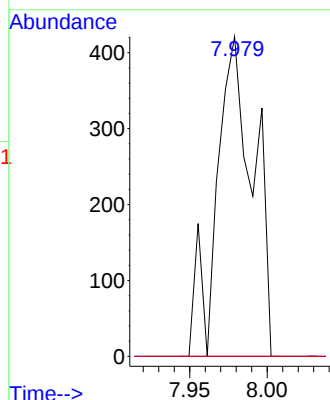
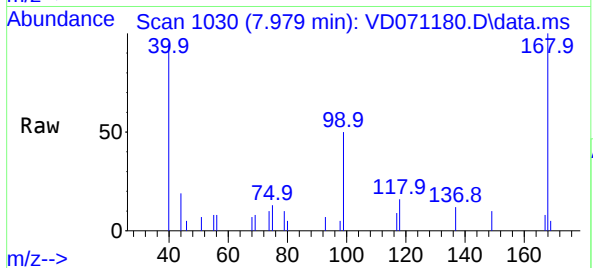




#36
1,1-Dichloropropene
Concen: 6.787 ug/l
RT: 7.979 min Scan# 1053
Delta R.T. -0.135 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

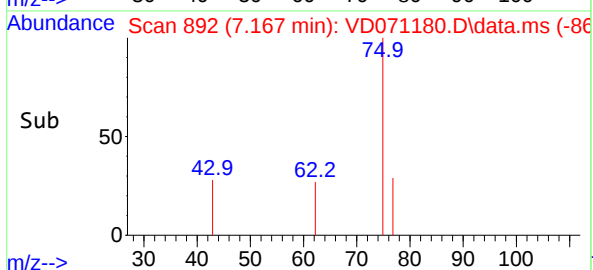
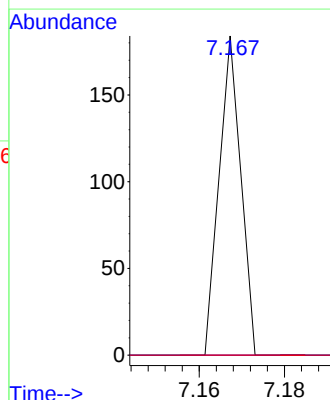
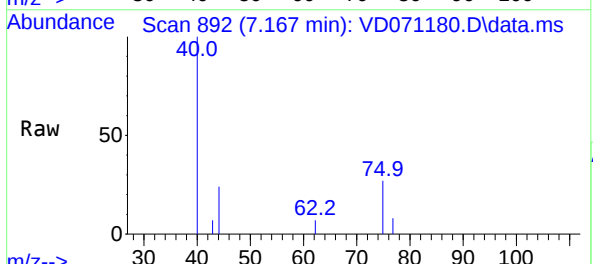
Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

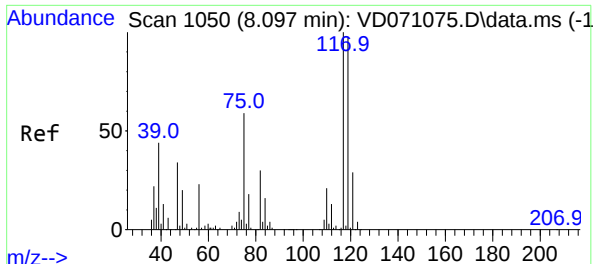
Tgt Ion: 75 Resp: 698
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.463 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: 7.971 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 :

VNJ-221

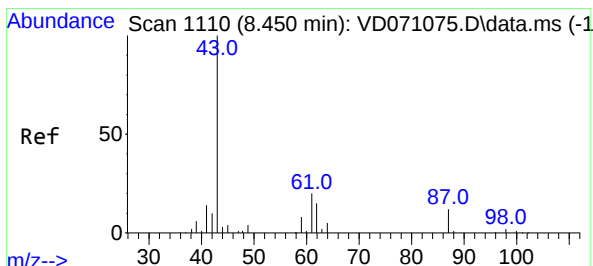
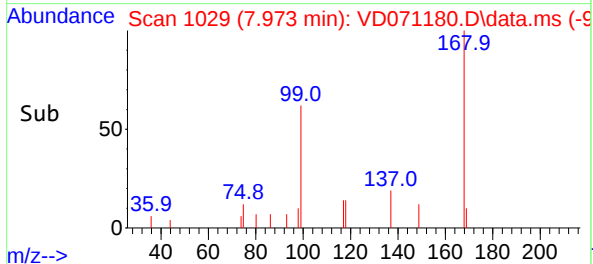
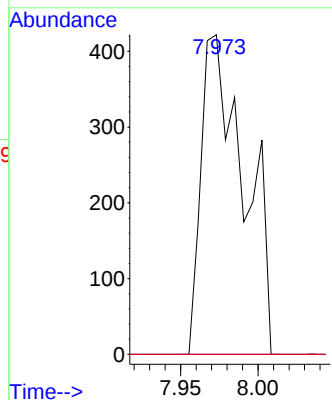
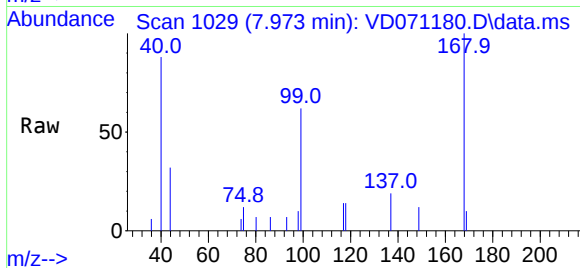
Tgt Ion:117 Resp: 808

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 23.6 35.4#



#43

Isopropyl Acetate

Concen: 5.974 ug/l

RT: 8.414 min Scan# 1104

Delta R.T. -0.036 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

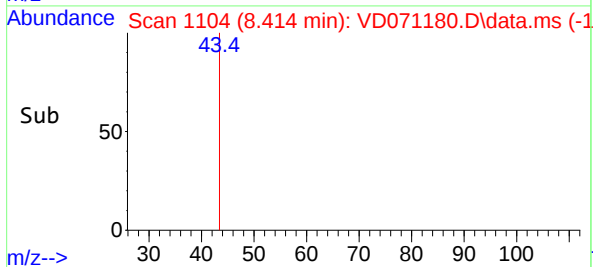
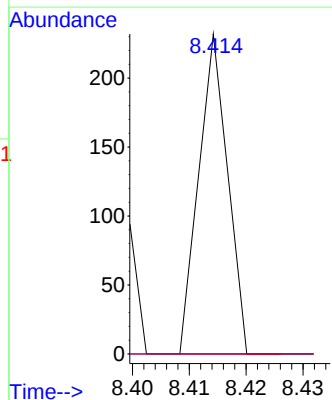
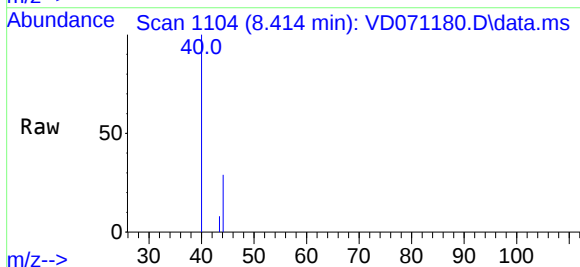
Tgt Ion: 43 Resp: 82

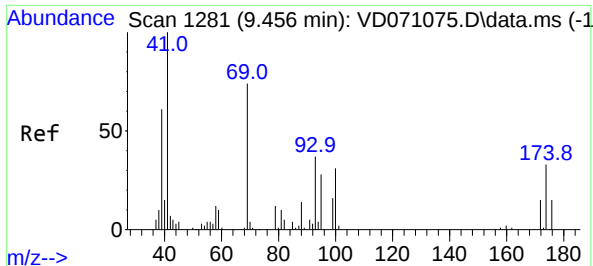
Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#





#48

Methyl methacrylate

Concen: 1.886 ug/l

RT: 9.526 min Scan# 1293

Delta R.T. 0.070 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

Instrument :

MSVOA_D

ClientSampleId :

VNJ-221

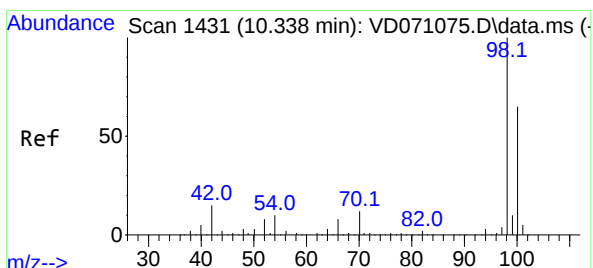
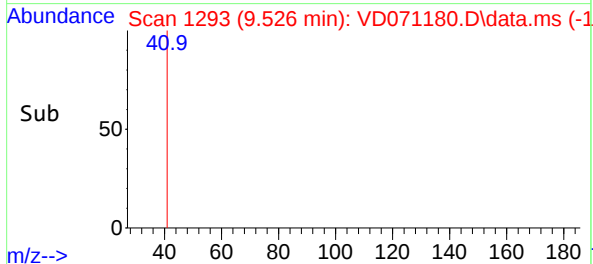
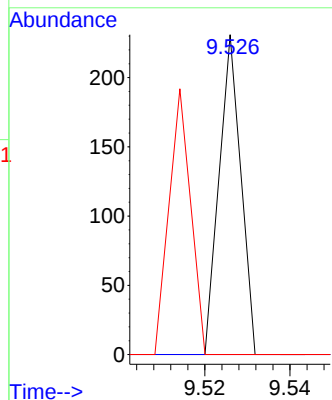
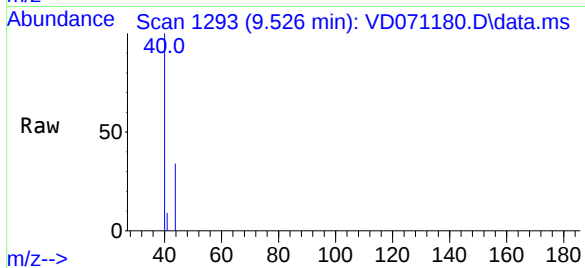
Tgt Ion: 41 Resp: 82

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 82.9 35.6 53.4#



#50

Toluene-d8

Concen: 52.307 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071180.D

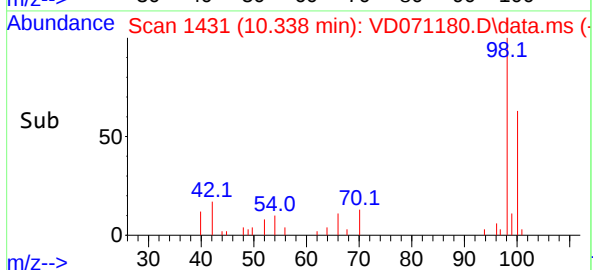
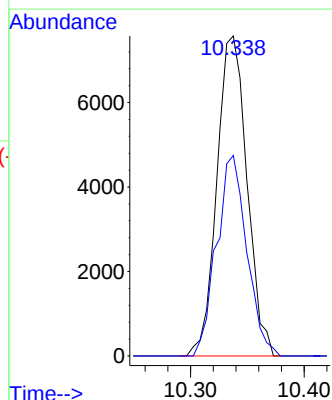
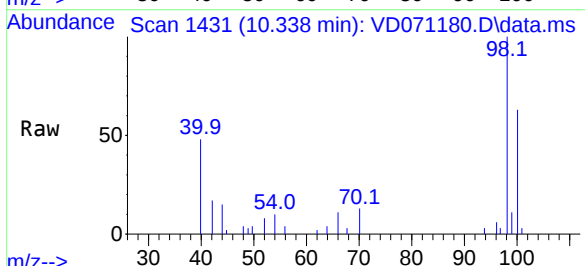
Acq: 07 Dec 2021 13:45

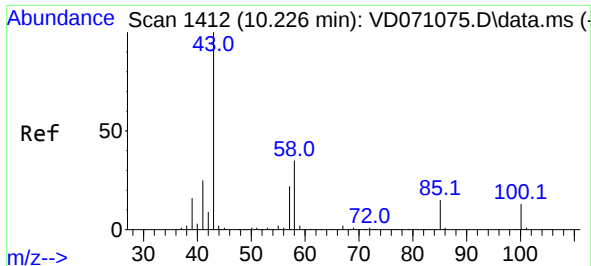
Tgt Ion: 98 Resp: 13947

Ion Ratio Lower Upper

98 100

100 63.0 51.8 77.6

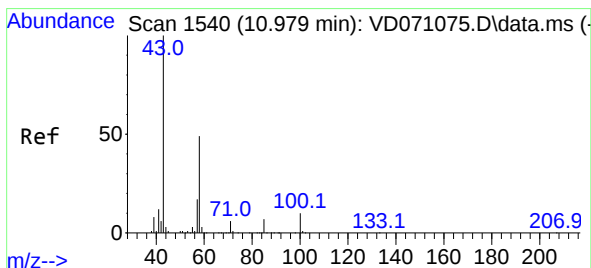
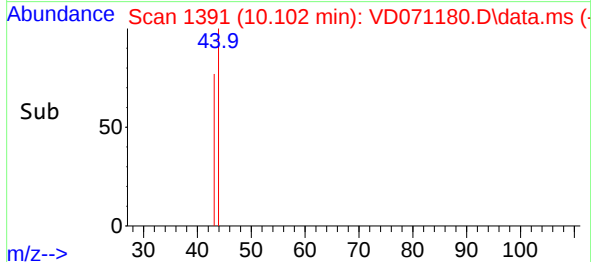
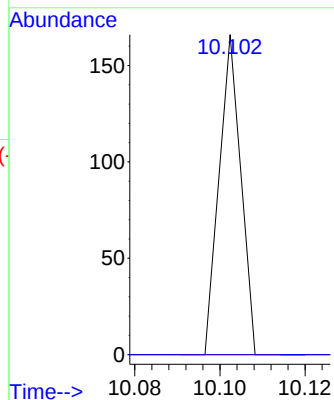
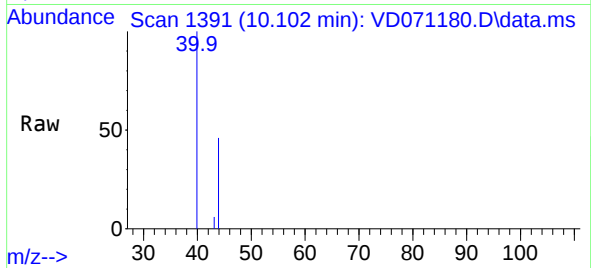




#51
4-Methyl-2-Pentanone
Concen: 31.685 ug/l
RT: 10.102 min Scan# 11
Delta R.T. -0.124 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

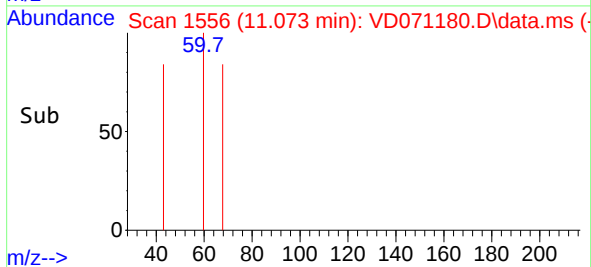
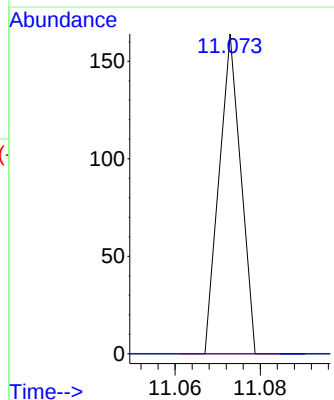
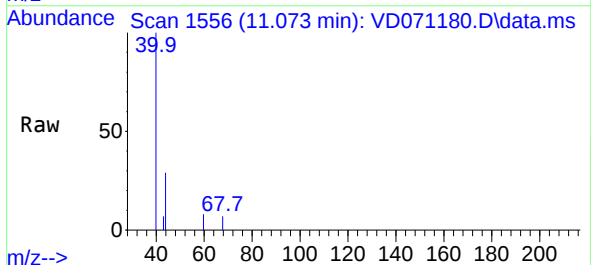
Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

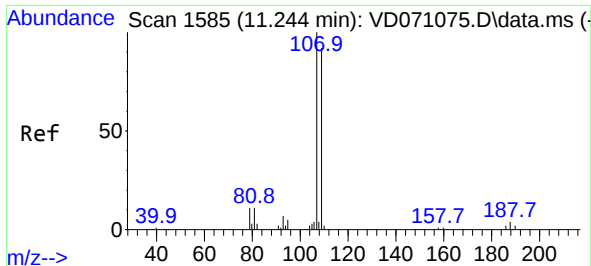
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 35.898 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: 1.187 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 :

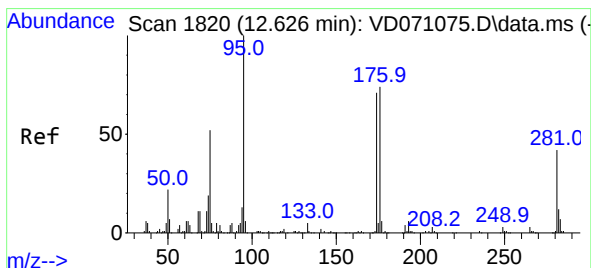
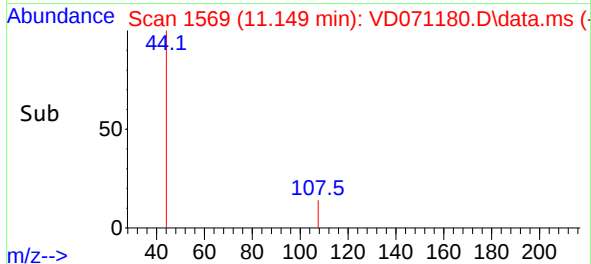
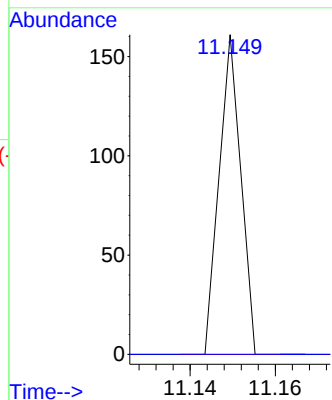
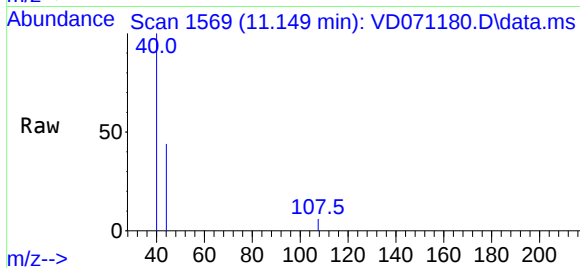
VNJ-221

Tgt Ion:107 Resp: 57

Ion Ratio Lower Upper

107 100

109 0.0 74.6 112.0#



#62

4-Bromofluorobenzene

Concen: 62.547 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071180.D

Acq: 07 Dec 2021 13:45

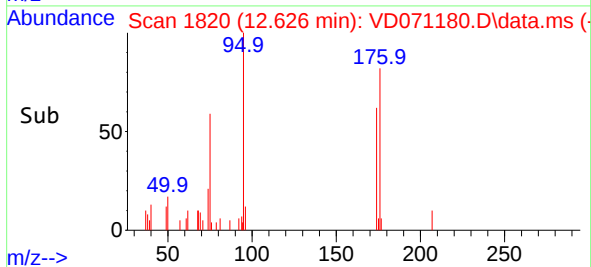
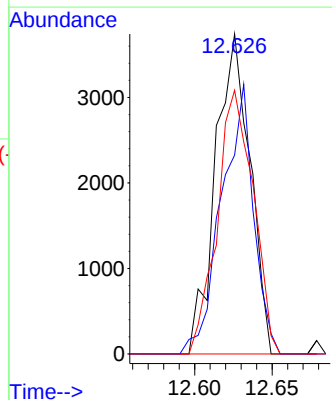
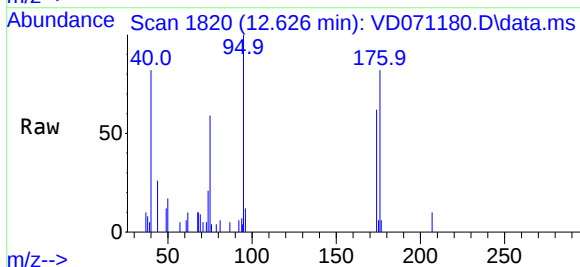
Tgt Ion: 95 Resp: 5781

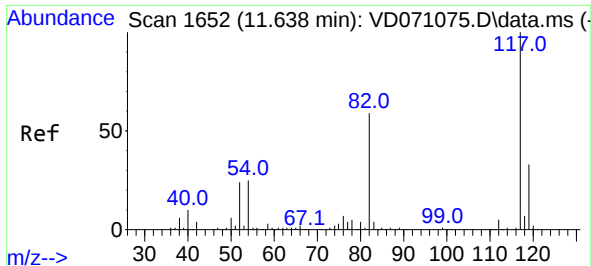
Ion Ratio Lower Upper

95 100

174 77.9 0.0 159.4

176 86.2 0.0 154.0

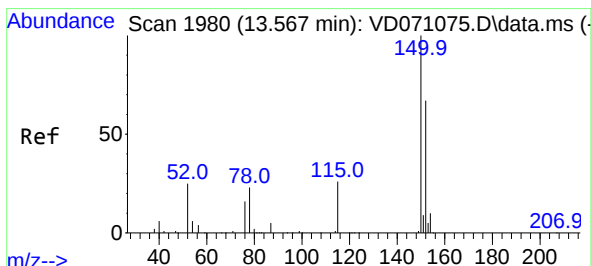
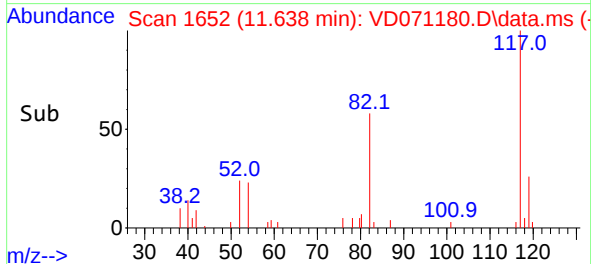
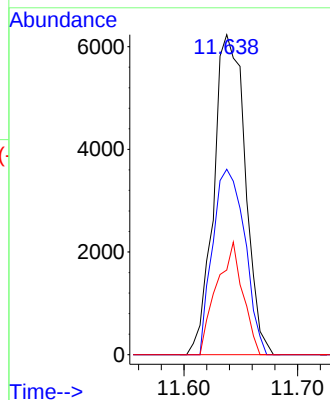
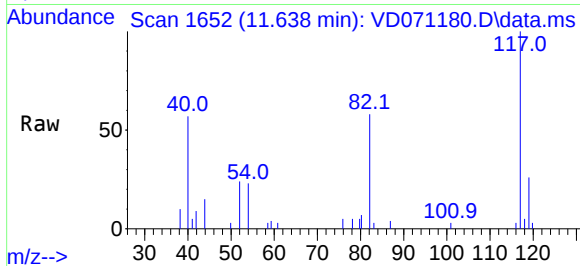




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11968
Delta R.T. -0.000 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

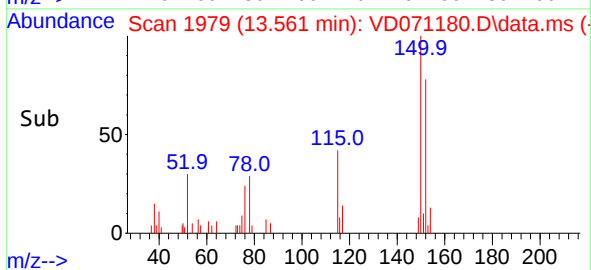
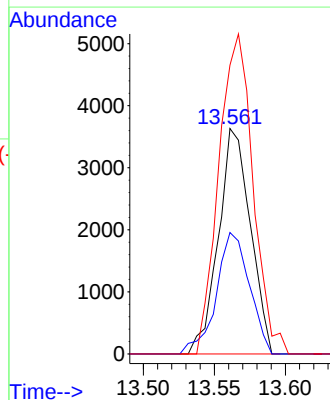
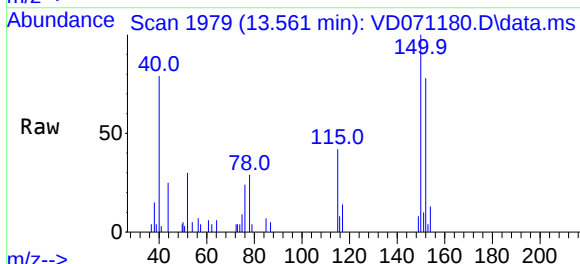
Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

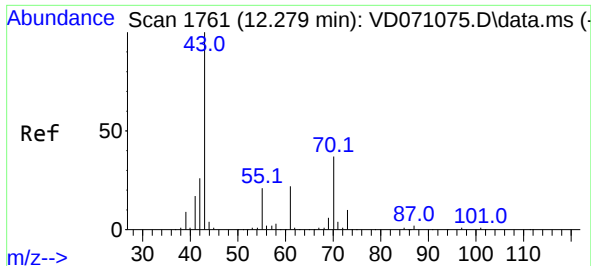
Tgt Ion:117	Resp:	11968
Ion	Ratio	Lower Upper
117	100	
82	57.9	44.7 67.1
119	26.4	26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 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

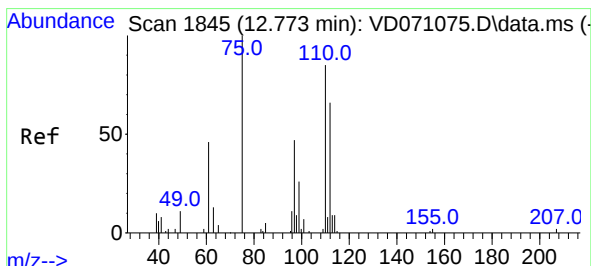
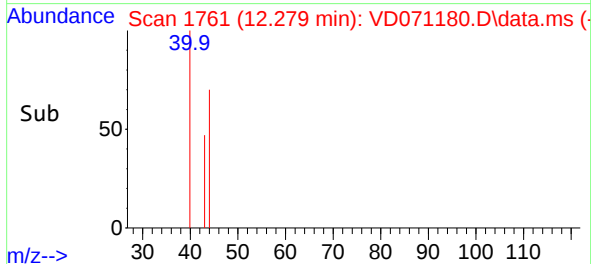
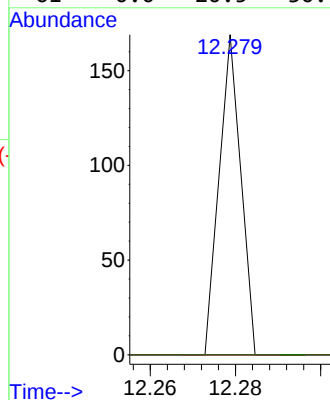
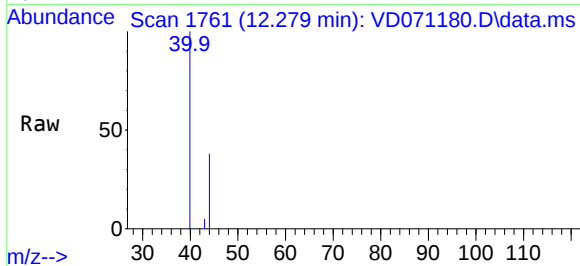




#74
N-amy1 acetate
Concen: 6.174 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071180.D
Acq: 07 Dec 2021 13:45

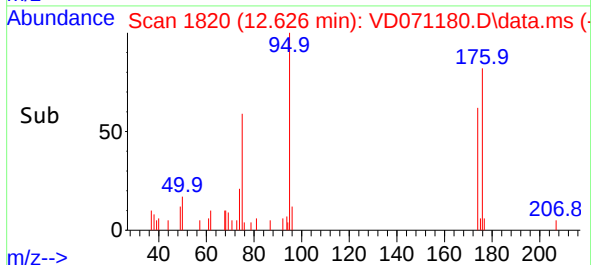
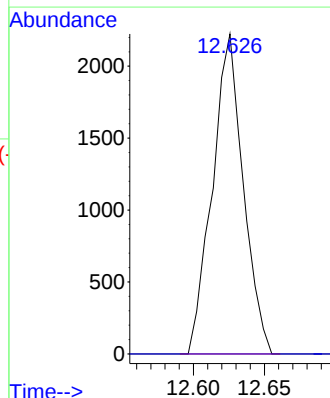
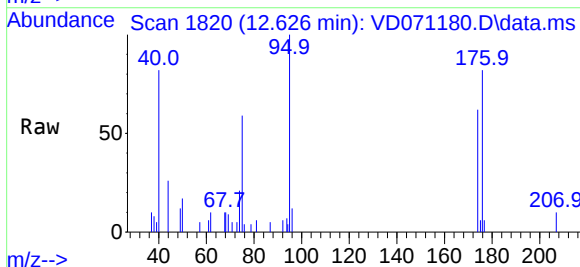
Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

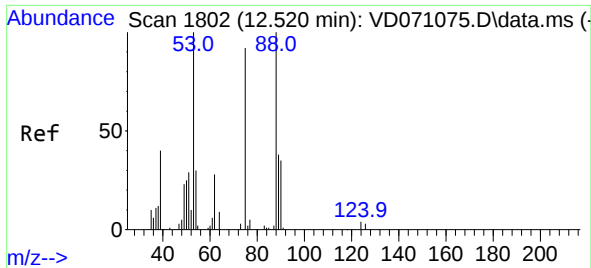
Tgt Ion: 43	Resp:	60
Ion	Ratio	Lower Upper
43	100	
70	0.0	36.6 55.0#
55	0.0	22.5 33.7#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 62.117 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: 134.284 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 :
 VNJ-221

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#

