

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071200.D
 Acq On : 08 Dec 2021 12:44
 Operator : VA/SY
 Sample : M4949-01RE
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 09 10:14:37 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)

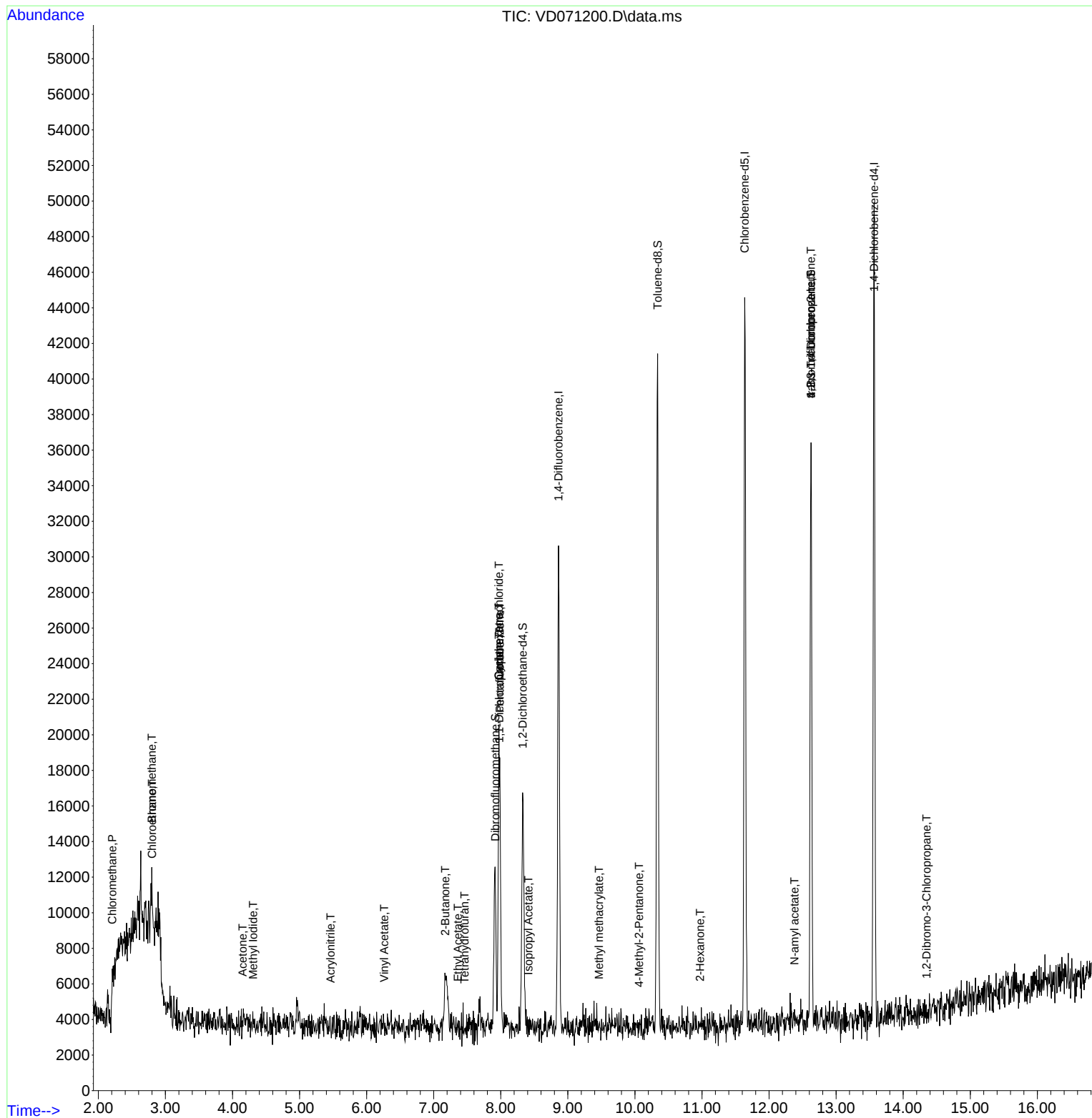
Internal Standards						
1) Pentafluorobenzene	7.984	168	12262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	20062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	22739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	11197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	10360	72.004	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 144.000%			
35) Dibromofluoromethane	7.920	113	6166	48.265	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.540%			
50) Toluene-d8	10.337	98	24982	51.386	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.780%			
62) 4-Bromofluorobenzene	12.625	95	10884	64.585	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 129.160%			
Target Compounds						Qvalue
3) Chloromethane	2.208	50	225	1.626	ug/l #	42
5) Bromomethane	2.797	94	937	8.422	ug/l	90
6) Chloroethane	2.802	64	163	1.536	ug/l #	39
10) Methyl Iodide	4.308	142	504	7.755	ug/l #	85
11) Tert butyl alcohol	5.185	59	126	Below Cal	#	71
15) Acrylonitrile	5.461	53	68	2.467	ug/l #	19
16) Acetone	4.149	43	215	35.730	ug/l #	40
20) Methylene Chloride	4.961	84	552	Below Cal	#	50
23) Vinyl Acetate	6.261	43	57	27.435	ug/l #	72
25) 2-Butanone	7.173	43	114	30.649	ug/l #	57
29) Tetrahydrofuran	7.461	42	75	3.283	ug/l #	34
31) Cyclohexane	7.973	56	319	1.303	ug/l #	69
36) 1,1-Dichloropropene	7.979	75	1260	6.720	ug/l #	41
37) Ethyl Acetate	7.361	43	144	1.778	ug/l #	66
38) Carbon Tetrachloride	7.973	117	1194	6.460	ug/l #	12
41) Methacrylonitrile	7.520	41	55	Below Cal	#	11
43) Isopropyl Acetate	8.414	43	69	5.570	ug/l #	47
48) Methyl methacrylate	9.467	41	258	3.254	ug/l #	28
51) 4-Methyl-2-Pentanone	10.061	43	65	31.276	ug/l #	34
59) 2-Hexanone	10.973	43	68	35.425	ug/l #	1
74) N-amyl acetate	12.378	43	128	6.212	ug/l #	40
76) 1,2,3-Trichloropropane	12.625	75	6156	57.705	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	6156	125.157	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.349	75	61	2.806	ug/l #	4

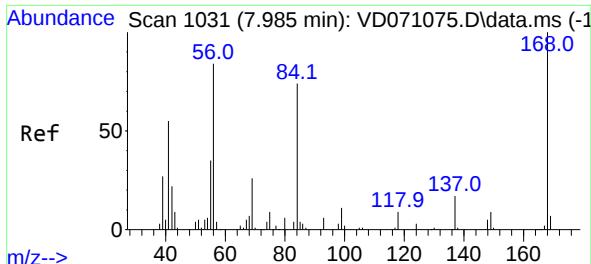
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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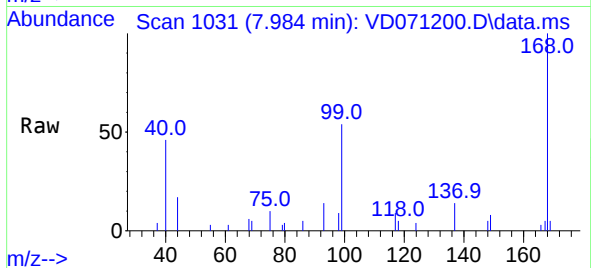
Quant Time: Dec 09 10:14:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
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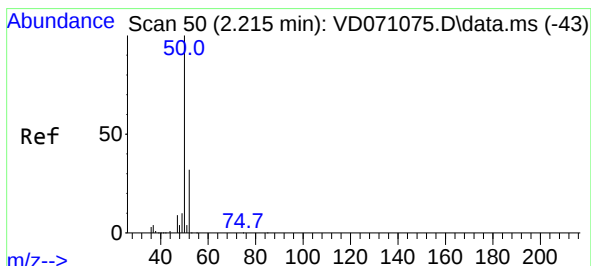
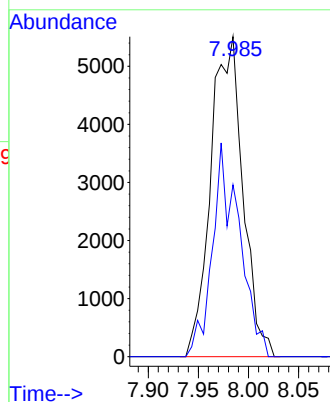
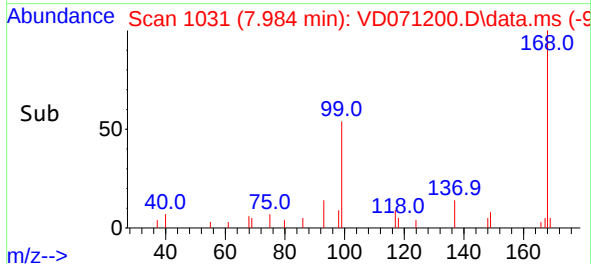


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.984 min Scan# 10
Delta R.T. -0.001 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

Instrument :
MSVOA_D
ClientSampleId :

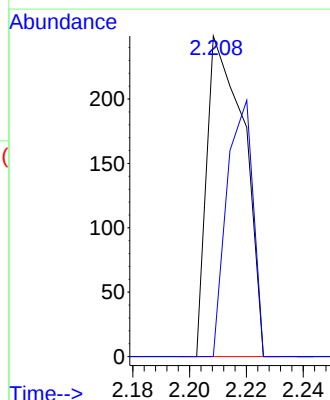
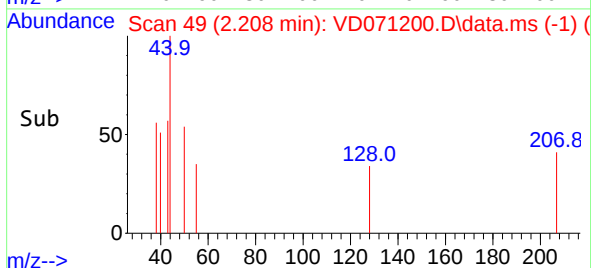
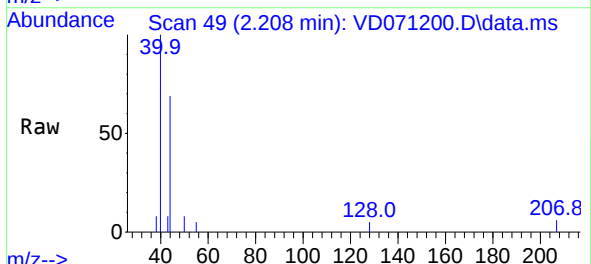


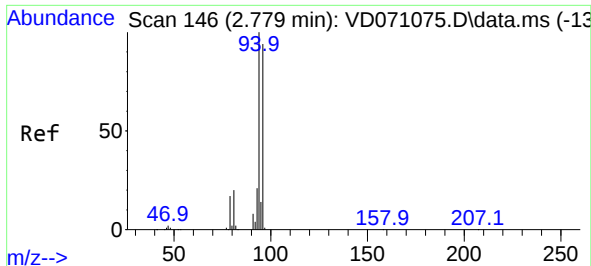
Tgt Ion:168 Resp: 12262
Ion Ratio Lower Upper
168 100
99 53.7 46.6 69.8



#3
Chloromethane
Concen: 1.626 ug/l
RT: 2.208 min Scan# 49
Delta R.T. -0.007 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

Tgt Ion: 50 Resp: 225
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

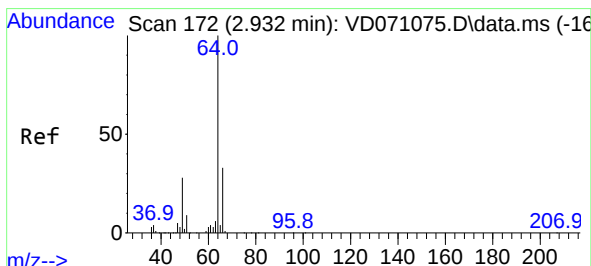
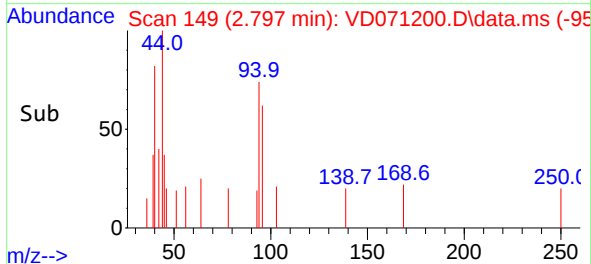
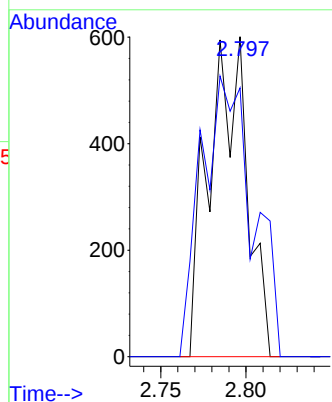
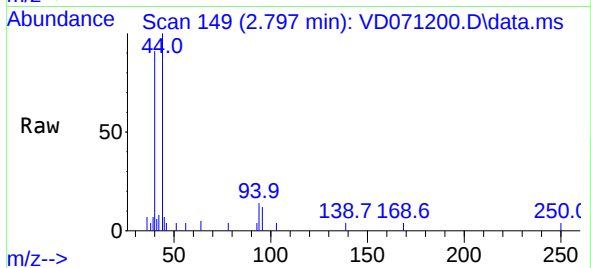




#5
Bromomethane
Concen: 8.422 ug/l
RT: 2.797 min Scan# 14
Delta R.T. 0.018 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

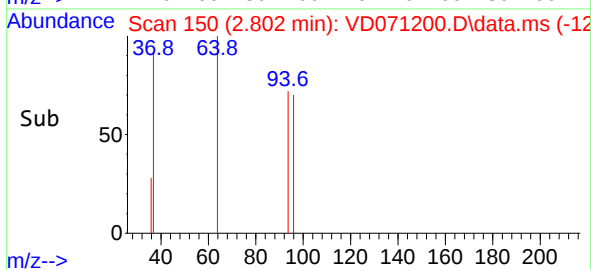
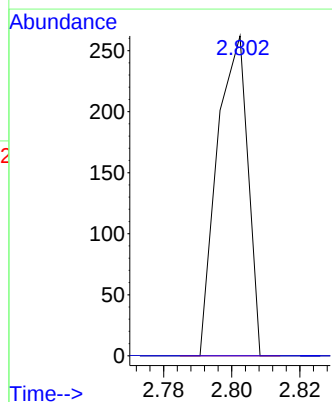
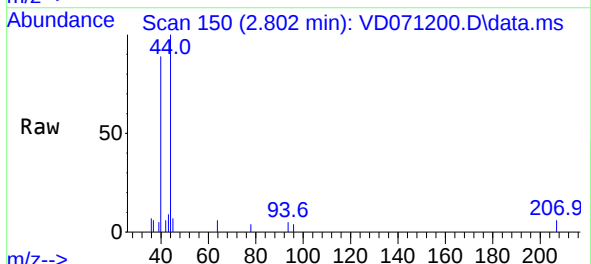
Instrument :
MSVOA_D
ClientSampleId :

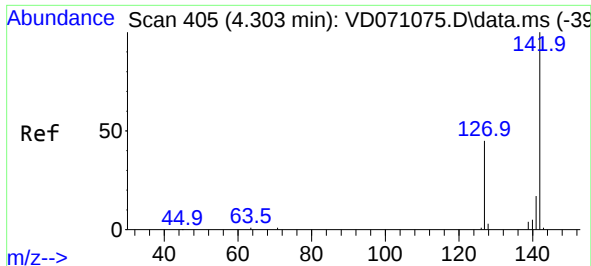
Tgt Ion: 94 Resp: 937
Ion Ratio Lower Upper
94 100
96 84.0 74.8 112.2



#6
Chloroethane
Concen: 1.536 ug/l
RT: 2.802 min Scan# 150
Delta R.T. -0.130 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

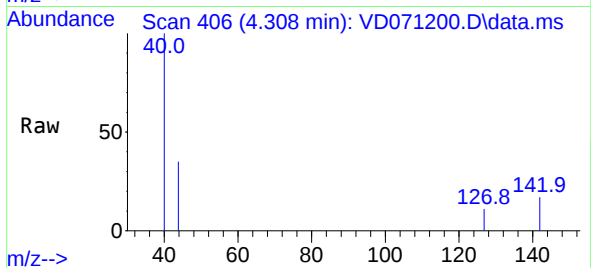
Tgt Ion: 64 Resp: 163
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#



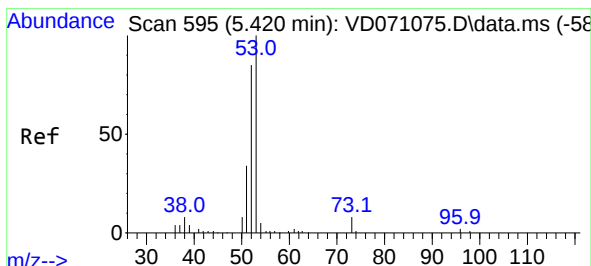
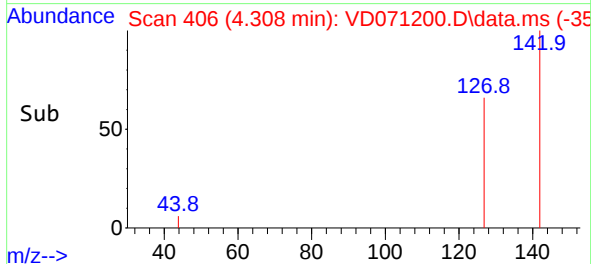
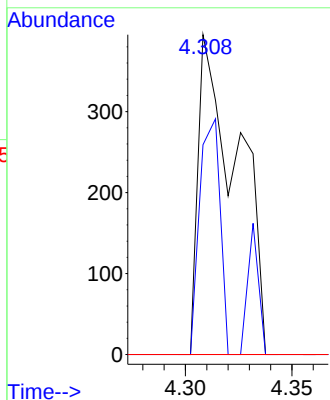


#10
Methyl Iodide
Concen: 7.755 ug/l
RT: 4.308 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

Instrument :
MSVOA_D
ClientSampleId :

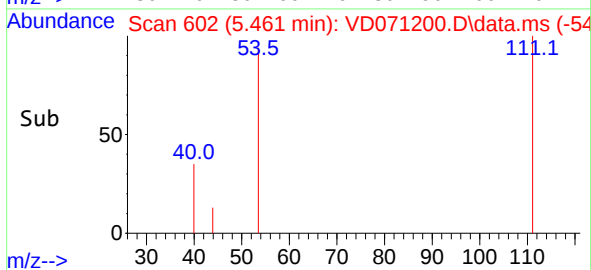
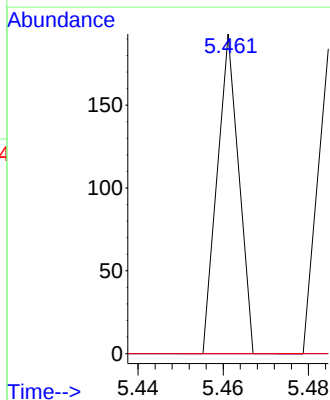
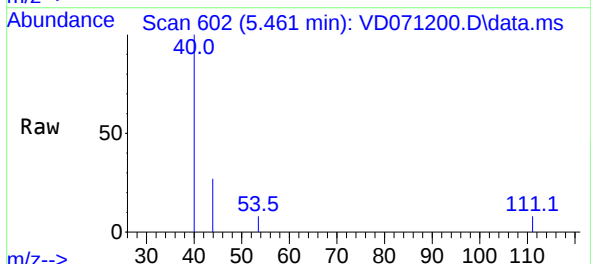


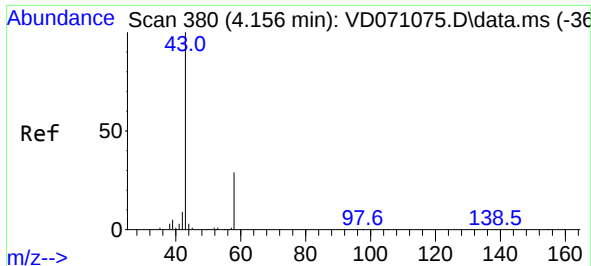
Tgt Ion:142 Resp: 504
Ion Ratio Lower Upper
142 100
127 38.5 35.0 52.4
141 0.0 12.0 18.0#



#15
Acrylonitrile
Concen: 2.467 ug/l
RT: 5.461 min Scan# 602
Delta R.T. 0.041 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

Tgt Ion: 53 Resp: 68
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#

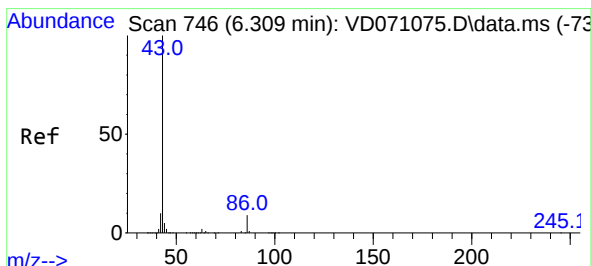
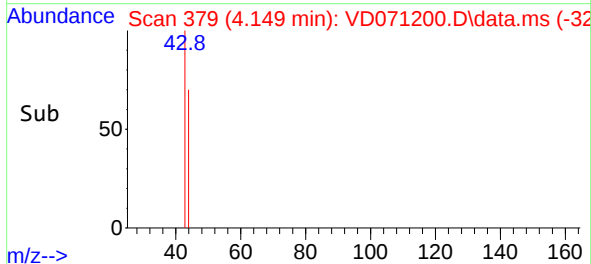
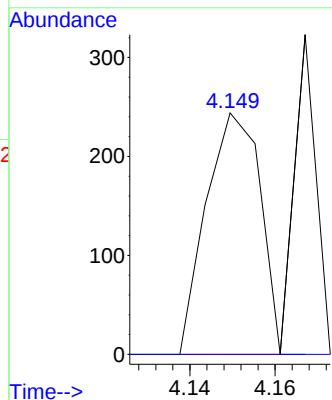
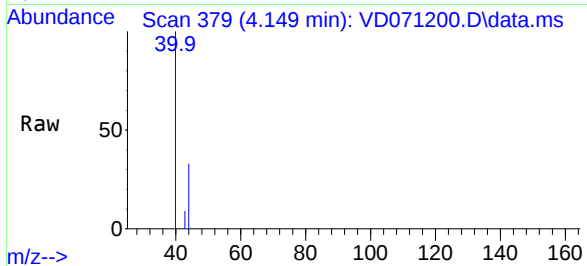




#16
Acetone
Concen: 35.730 ug/l
RT: 4.149 min Scan# 31
Delta R.T. -0.007 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

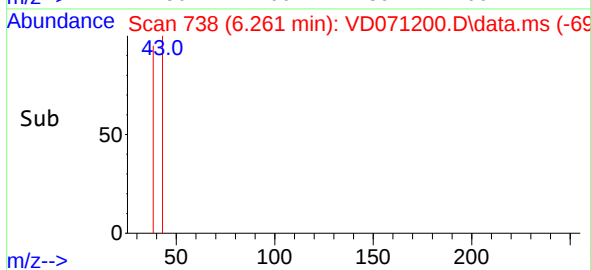
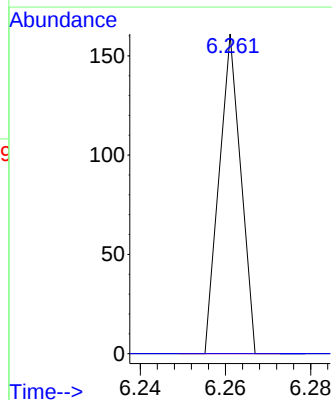
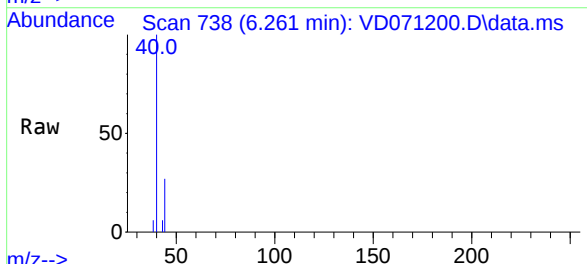
Instrument :
MSVOA_D
ClientSampleId :

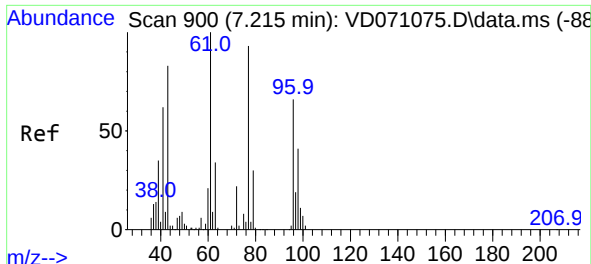
Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.435 ug/l
RT: 6.261 min Scan# 738
Delta R.T. -0.048 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 30.649 ug/l

RT: 7.173 min Scan# 893

Delta R.T. -0.042 min

Lab File: VD071200.D

Acq: 08 Dec 2021 12:44

Instrument :

MSVOA_D

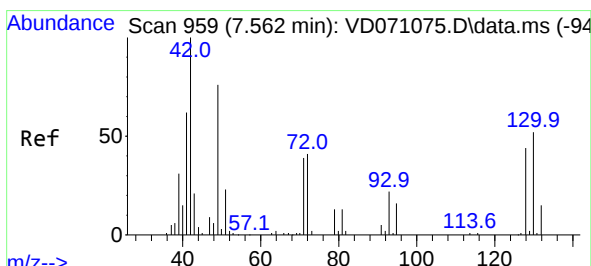
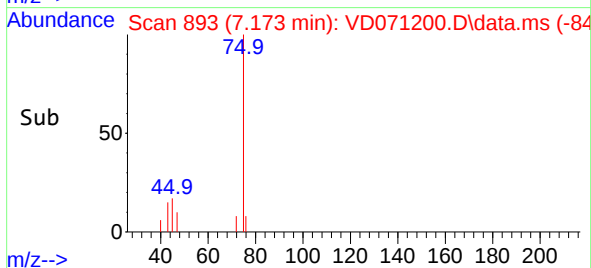
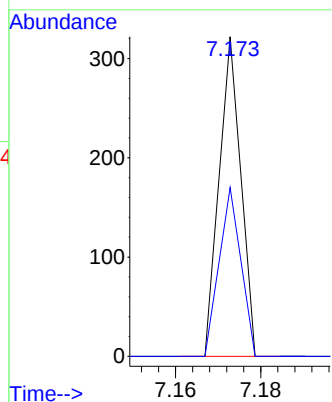
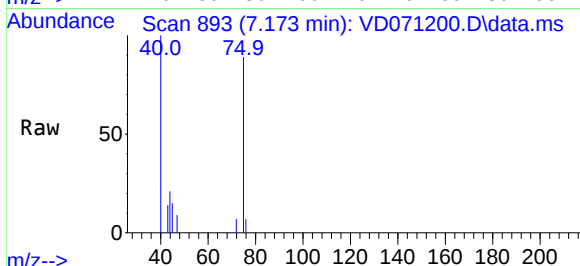
ClientSampleId :

Tgt Ion: 43 Resp: 114

Ion Ratio Lower Upper

43 100

72 52.8 23.8 35.6#



#29

Tetrahydrofuran

Concen: 3.283 ug/l

RT: 7.461 min Scan# 942

Delta R.T. -0.101 min

Lab File: VD071200.D

Acq: 08 Dec 2021 12:44

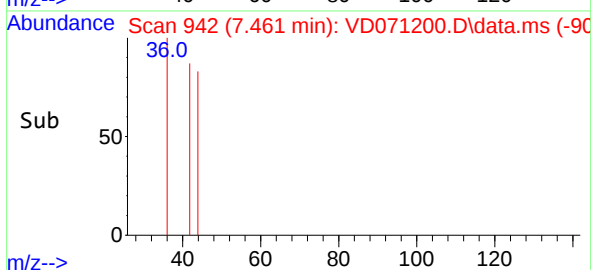
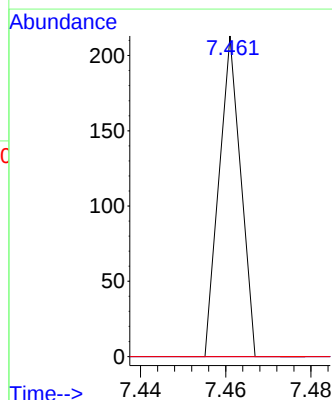
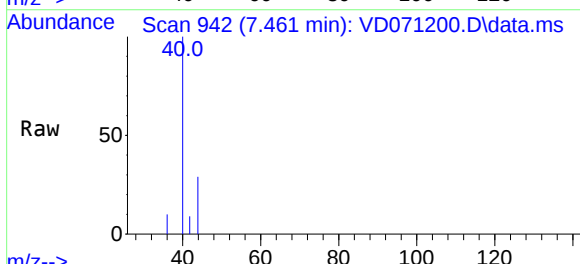
Tgt Ion: 42 Resp: 75

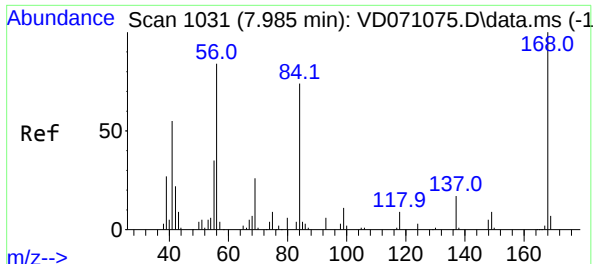
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.303 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

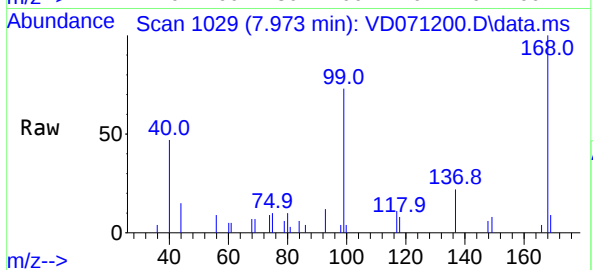
Lab File: VD071200.D

Acq: 08 Dec 2021 12:44

Instrument :

MSVOA_D

ClientSampleId :



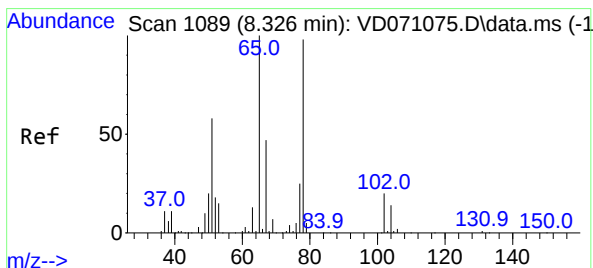
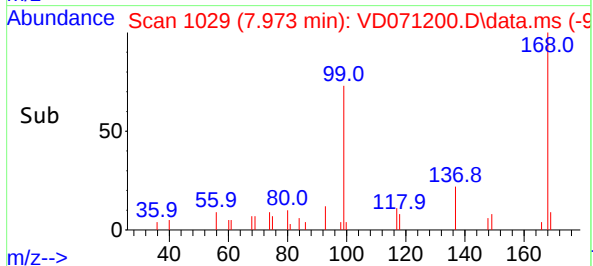
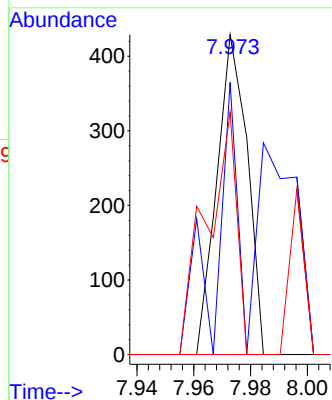
Tgt Ion: 56 Resp: 319

Ion Ratio Lower Upper

56 100

69 85.1 25.9 38.9#

84 75.8 64.3 96.5



#33

1,2-Dichloroethane-d4

Concen: 72.004 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071200.D

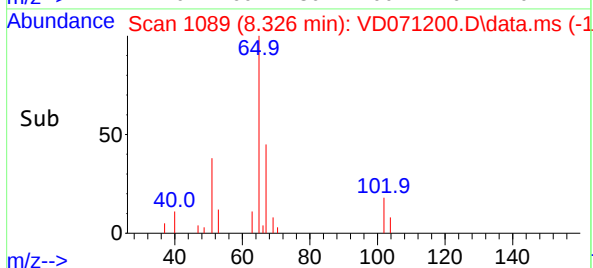
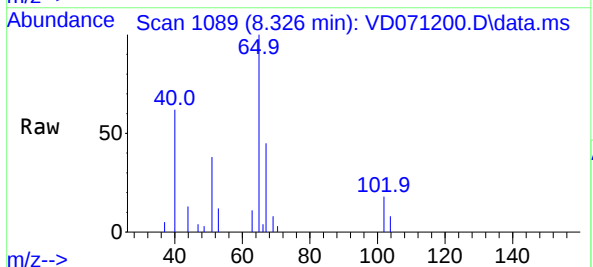
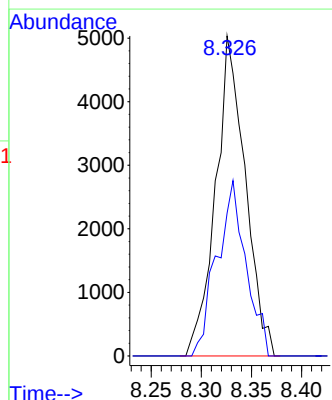
Acq: 08 Dec 2021 12:44

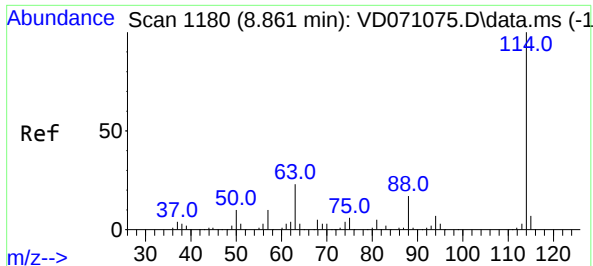
Tgt Ion: 65 Resp: 10360

Ion Ratio Lower Upper

65 100

67 53.8 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: VD071200.D

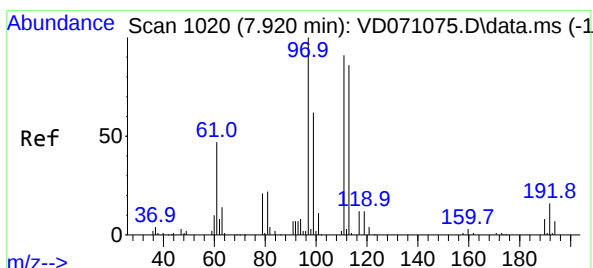
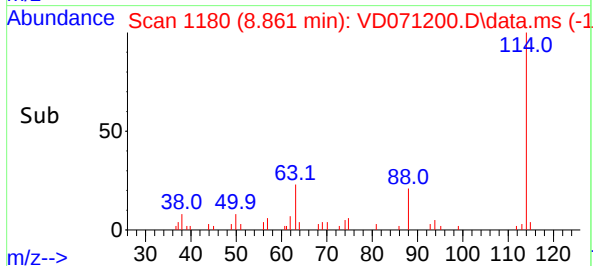
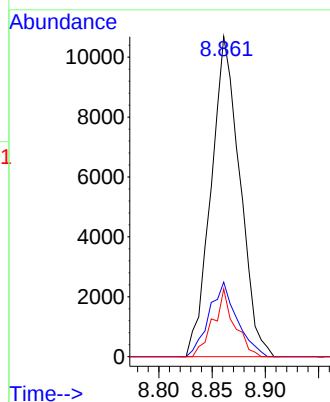
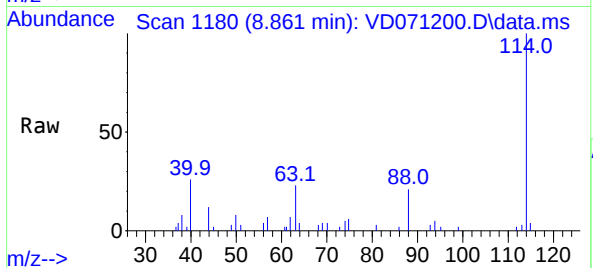
Acq: 08 Dec 2021 12:44

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	20062
Ion Ratio	Lower	Upper
114	100	
63	23.3	0.0 41.8
88	21.2	0.0 32.8



#35

Dibromofluoromethane

Concen: 48.265 ug/l

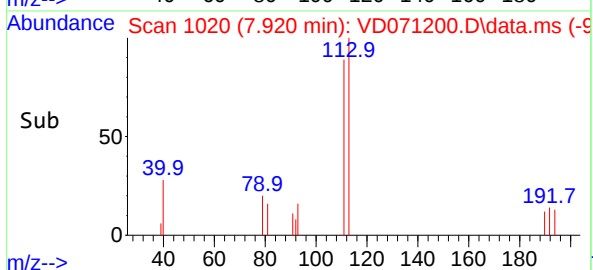
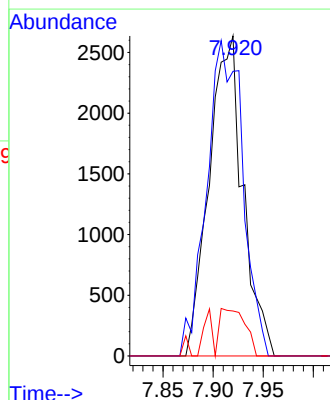
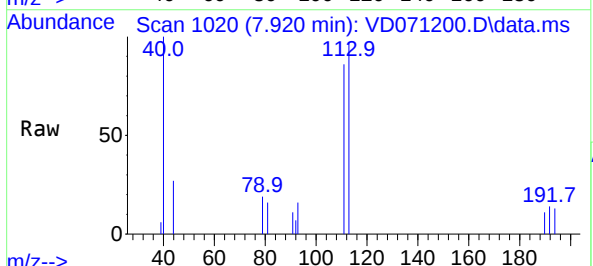
RT: 7.920 min Scan# 1020

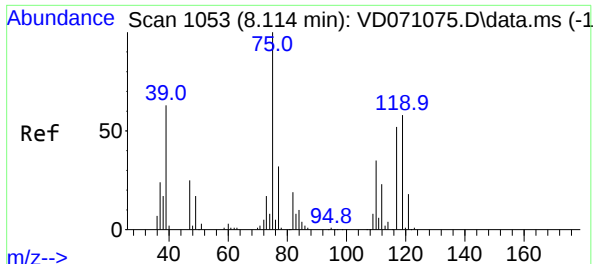
Delta R.T. -0.000 min

Lab File: VD071200.D

Acq: 08 Dec 2021 12:44

Tgt Ion:113	Resp:	6166
Ion Ratio	Lower	Upper
113	100	
111	105.4	82.0 123.0
192	11.2	15.2 22.8





#36

1,1-Dichloropropene

Concen: 6.720 ug/l

RT: 7.979 min Scan# 1053

Delta R.T. -0.135 min

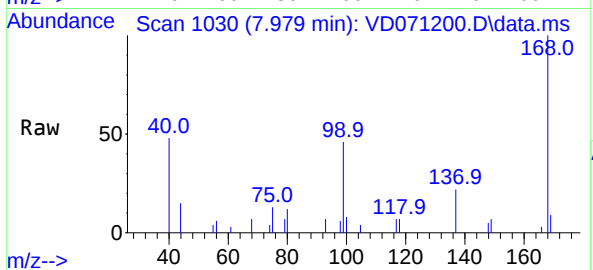
Lab File: VD071200.D

Acq: 08 Dec 2021 12:44

Instrument :

MSVOA_D

ClientSampleId :



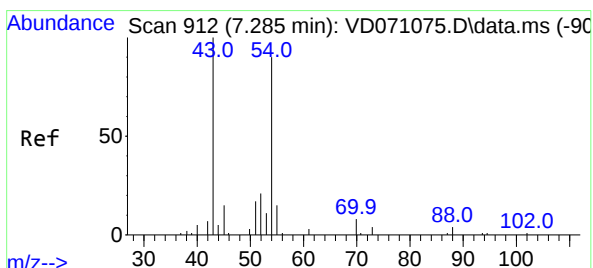
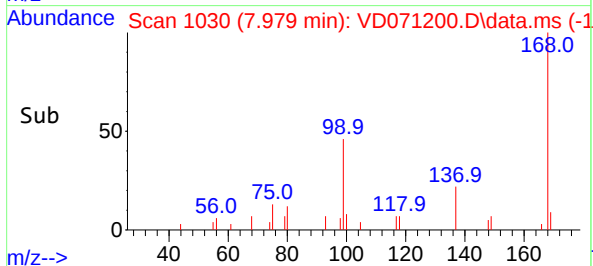
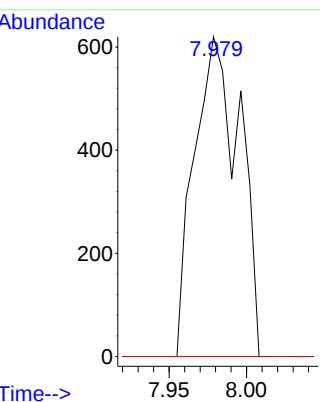
Tgt Ion: 75 Resp: 1260

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.778 ug/l

RT: 7.361 min Scan# 925

Delta R.T. 0.076 min

Lab File: VD071200.D

Acq: 08 Dec 2021 12:44

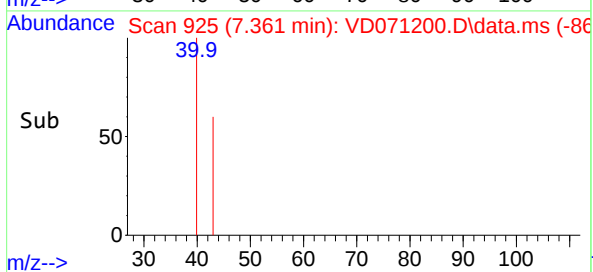
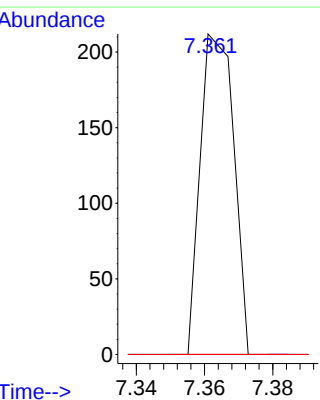
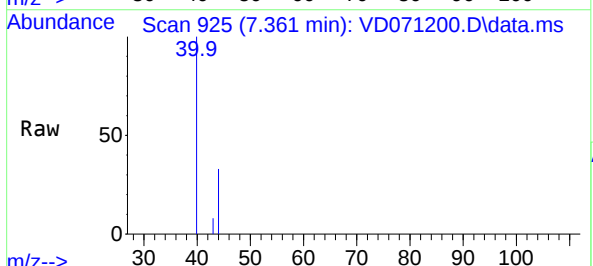
Tgt Ion: 43 Resp: 144

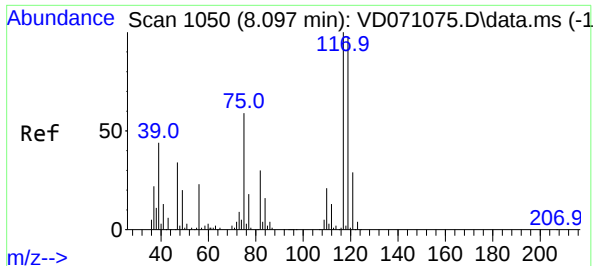
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

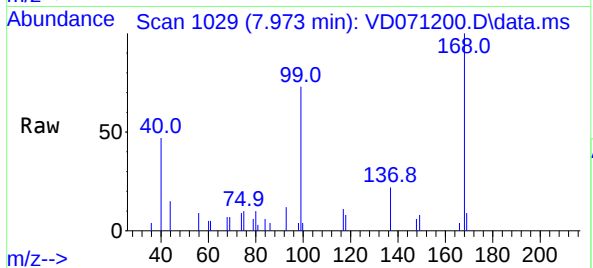
70 0.0 8.7 13.1#



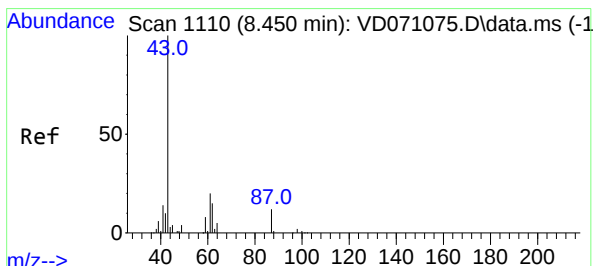
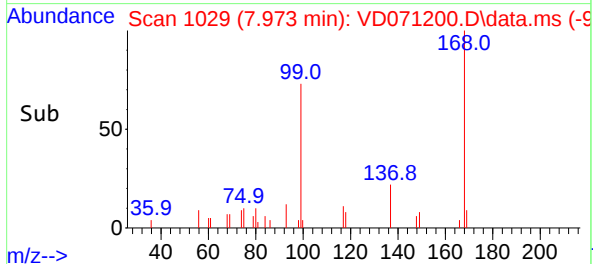
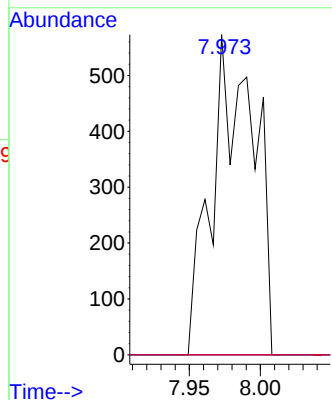


#38
Carbon Tetrachloride
Concen: 6.460 ug/l
RT: 7.973 min Scan# 1104
Delta R.T. -0.124 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

Instrument :
MSVOA_D
ClientSampleId :

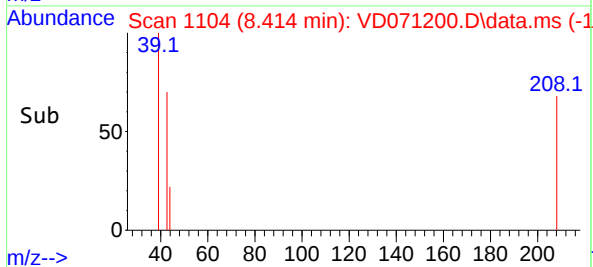
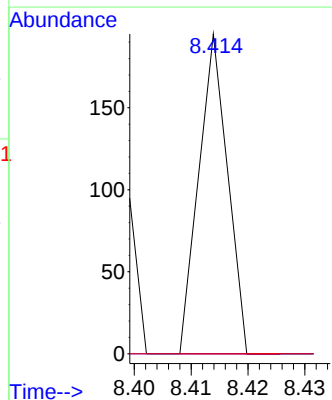
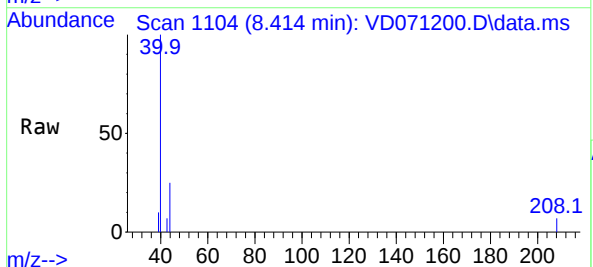


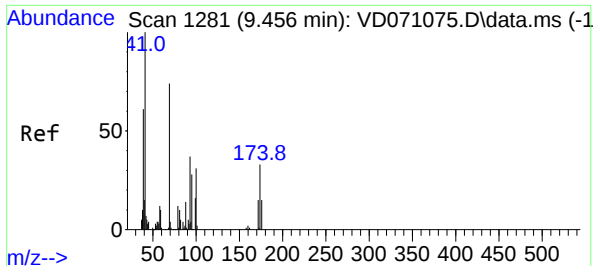
Tgt Ion:117 Resp: 1194
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.570 ug/l
RT: 8.414 min Scan# 1104
Delta R.T. -0.036 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#





#48

Methyl methacrylate

Concen: 3.254 ug/l

RT: 9.467 min Scan# 1281

Delta R.T. 0.011 min

Lab File: VD071200.D

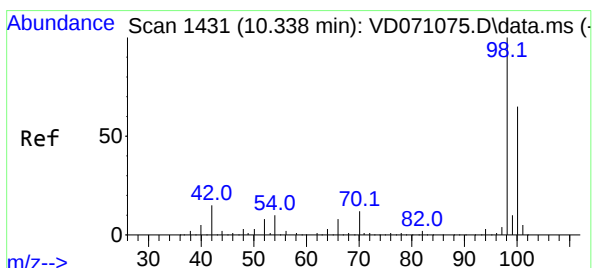
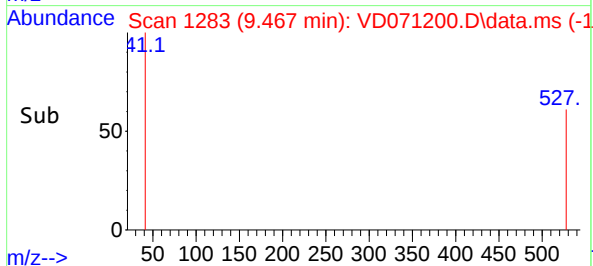
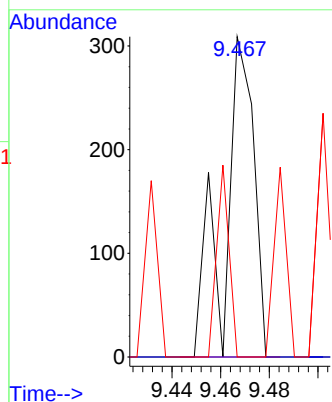
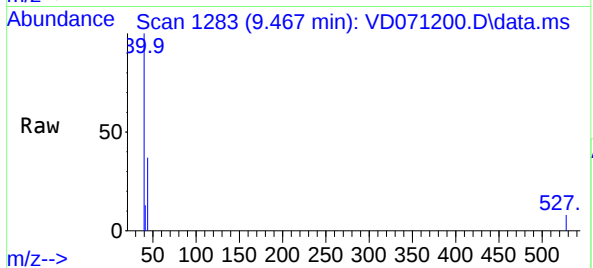
Acq: 08 Dec 2021 12:44

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 41	Resp: 258
Ion Ratio	Lower Upper
41 100	
69 0.0	69.8 104.6#
39 25.2	35.6 53.4#



#50

Toluene-d8

Concen: 51.386 ug/l

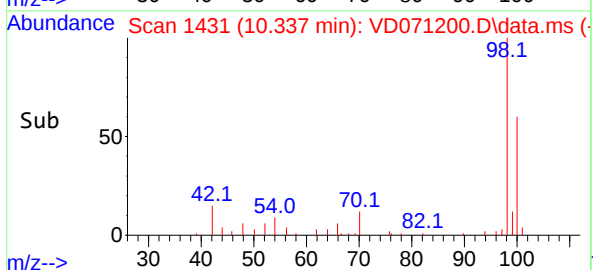
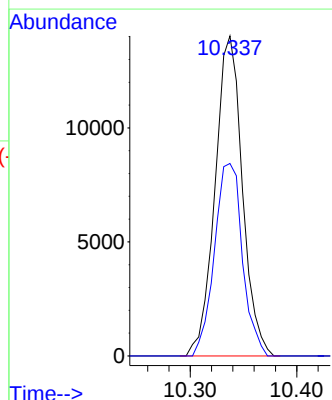
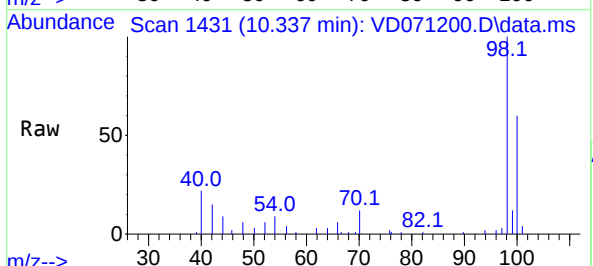
RT: 10.337 min Scan# 1431

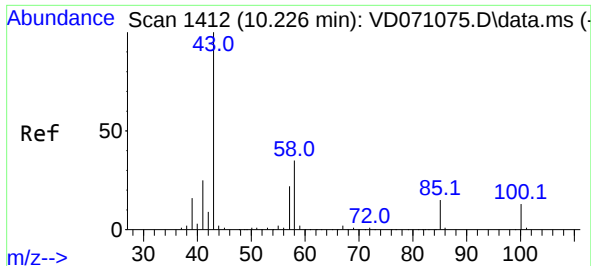
Delta R.T. -0.001 min

Lab File: VD071200.D

Acq: 08 Dec 2021 12:44

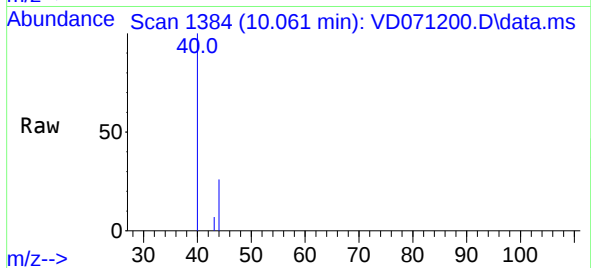
Tgt Ion: 98	Resp: 24982
Ion Ratio	Lower Upper
98 100	
100 61.5	51.8 77.6



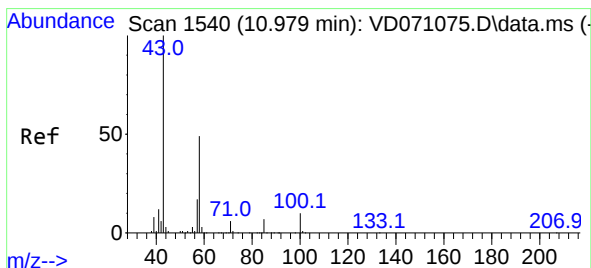
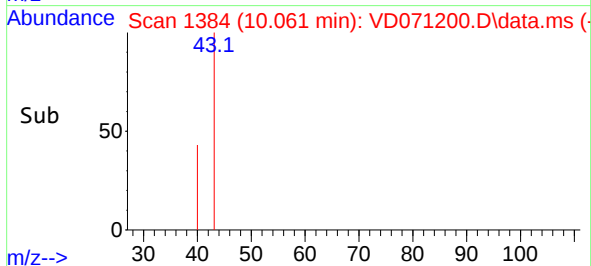
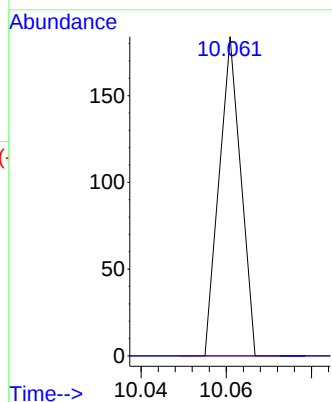


#51
4-Methyl-2-Pentanone
Concen: 31.276 ug/l
RT: 10.061 min Scan# 11
Delta R.T. -0.165 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

Instrument :
MSVOA_D
ClientSampleId :

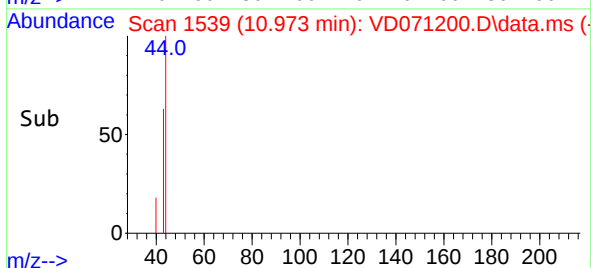
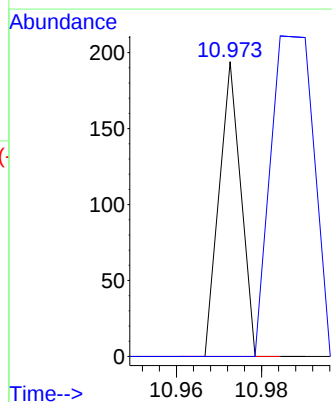
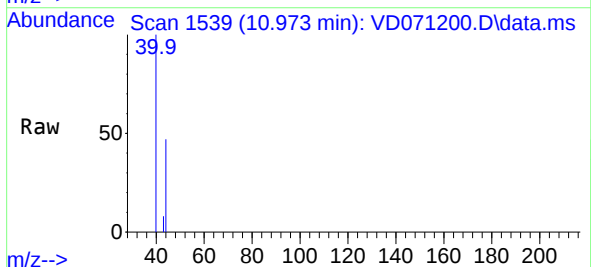


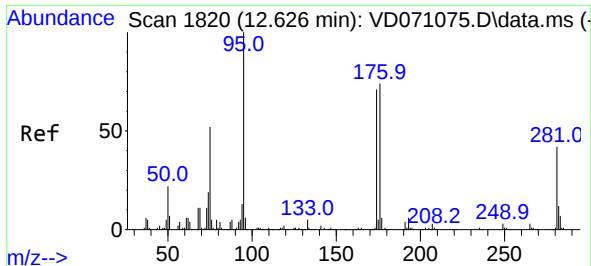
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 35.425 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 219.1 28.7 86.1#

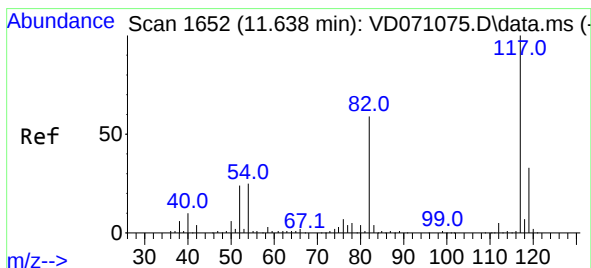
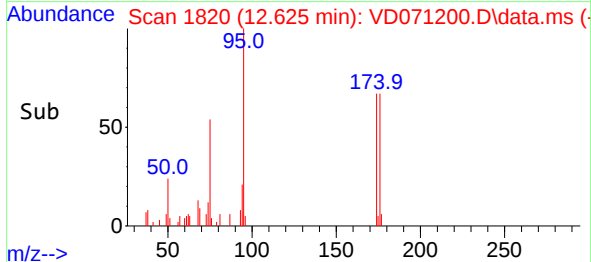
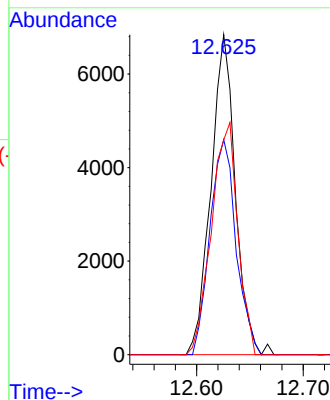
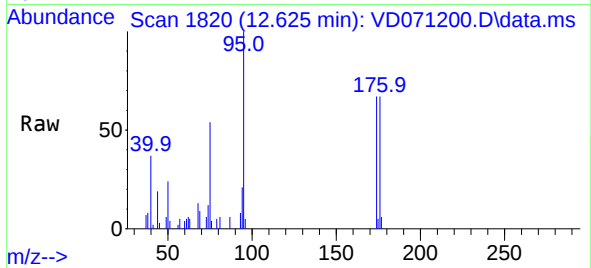




#62
4-Bromofluorobenzene
Concen: 64.585 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.001 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

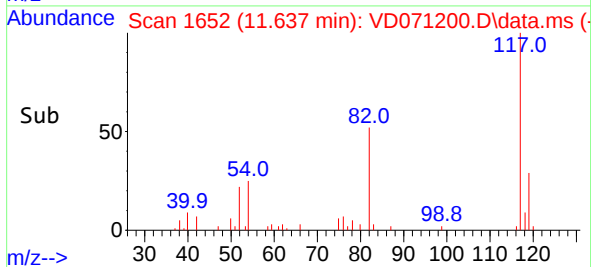
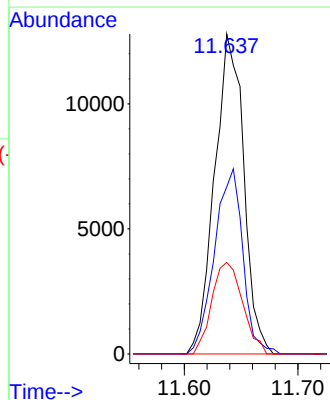
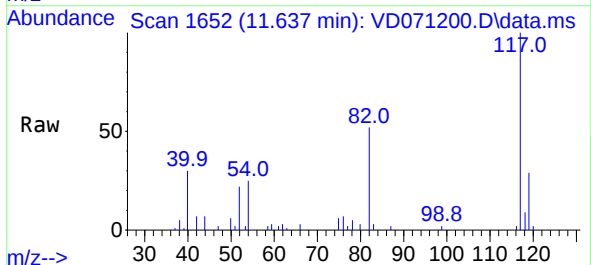
Instrument :
MSVOA_D
ClientSampleId :

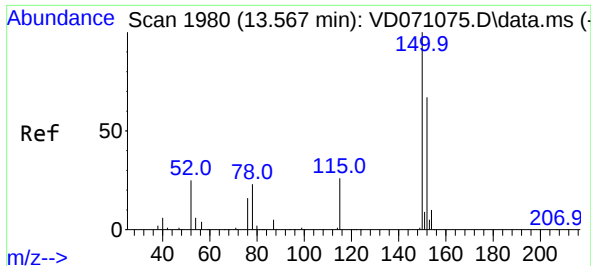
Tgt Ion: 95	Resp: 10884
Ion Ratio	Lower Upper
95 100	
174 72.1	0.0 159.4
176 78.1	0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

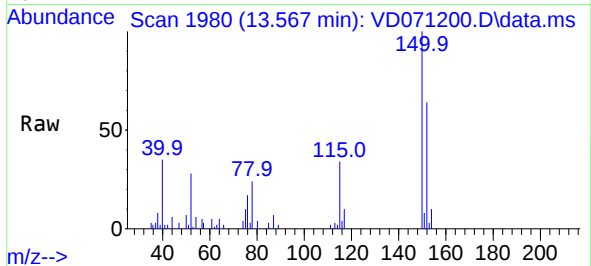
Tgt Ion: 117	Resp: 22739
Ion Ratio	Lower Upper
117 100	
82 52.2	44.7 67.1
119 28.6	26.2 39.4



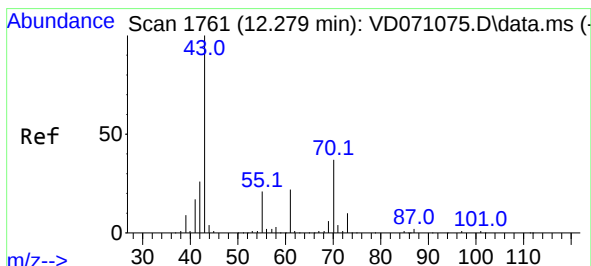
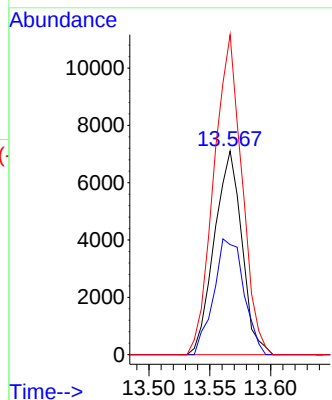
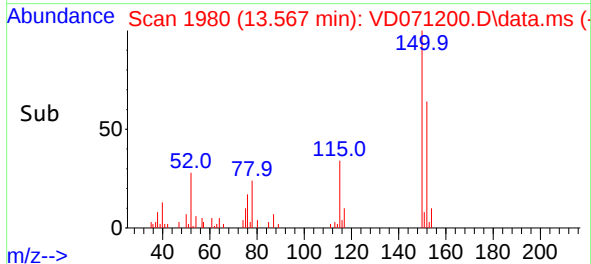


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

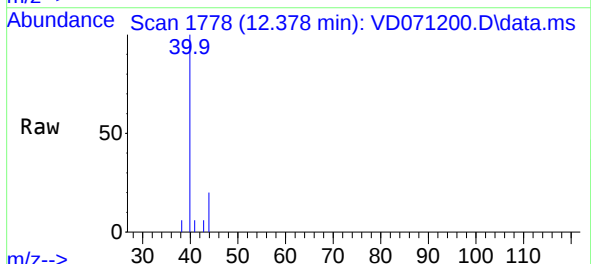
Instrument :
MSVOA_D
ClientSampleId :



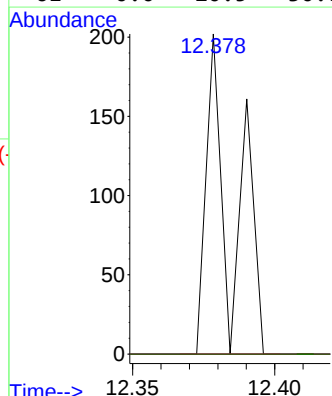
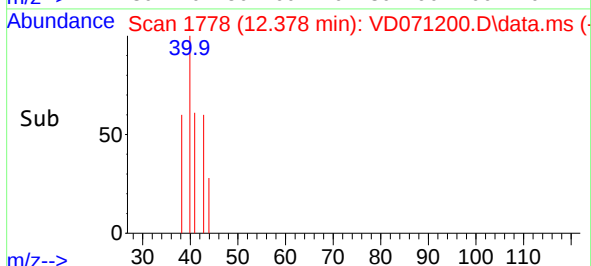
Tgt Ion:152 Resp: 11197
Ion Ratio Lower Upper
152 100
115 62.1 29.8 89.3
150 159.8 0.0 349.2

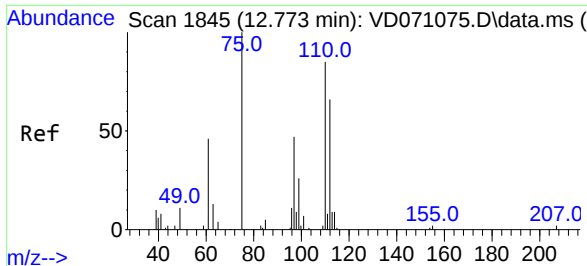


#74
N-ethyl acetate
Concen: 6.212 ug/l
RT: 12.378 min Scan# 1778
Delta R.T. 0.099 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44



Tgt Ion: 43 Resp: 128
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#

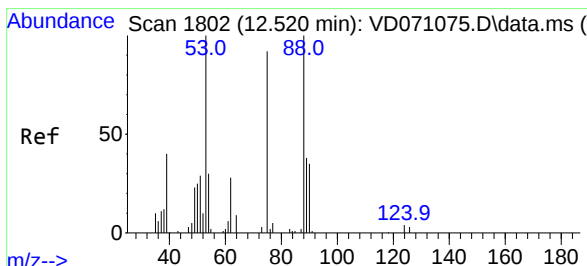
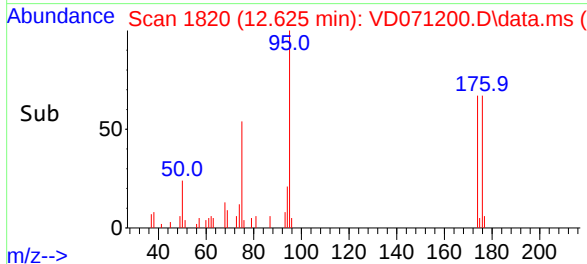
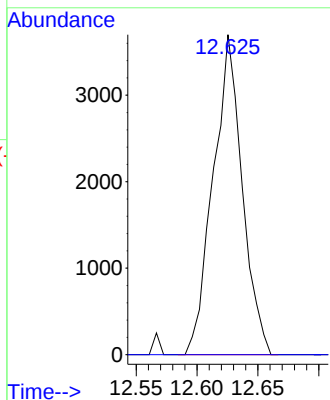
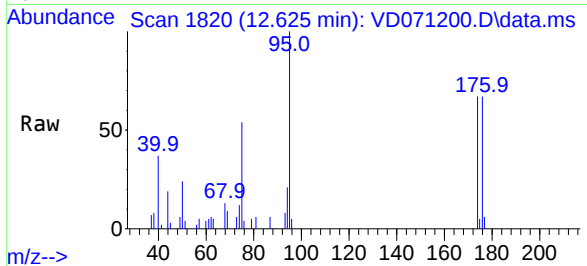




#76
1,2,3-Trichloropropane
Concen: 57.705 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

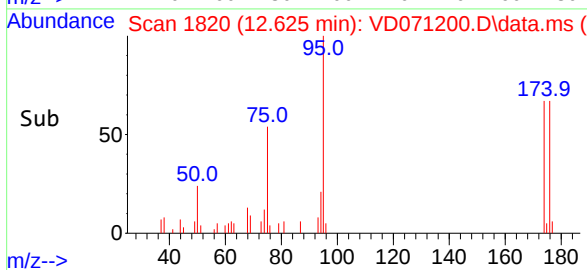
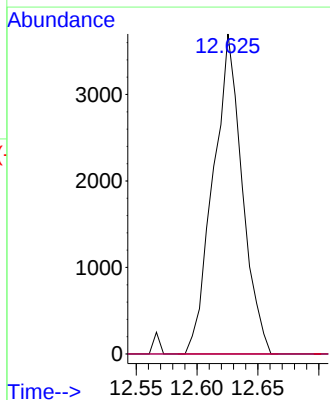
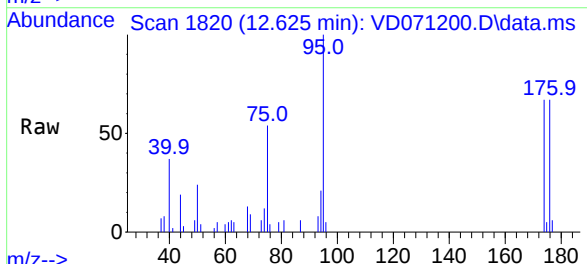
Instrument :
MSVOA_D
ClientSampleId :

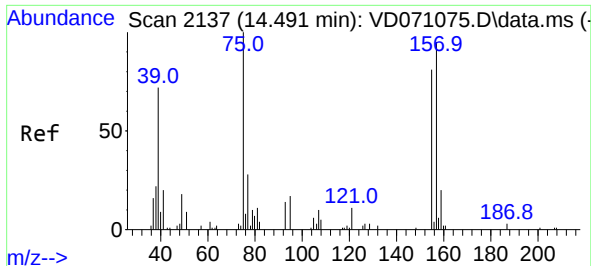
Tgt Ion: 75 Resp: 6156
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.157 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

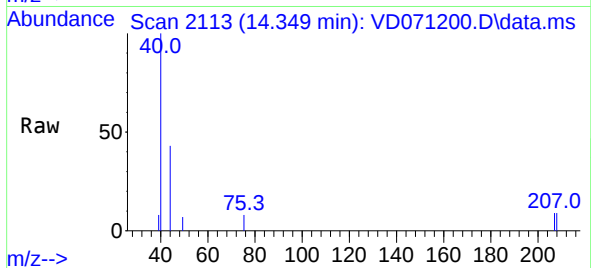
Tgt Ion: 75 Resp: 6156
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#92
1,2-Dibromo-3-Chloropropane
Concen: 2.806 ug/l
RT: 14.349 min Scan# 2113
Delta R.T. -0.142 min
Lab File: VD071200.D
Acq: 08 Dec 2021 12:44

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

