

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120321\
 Data File : VD071138.D
 Acq On : 03 Dec 2021 17:30
 Operator : VA/SY
 Sample : M4939-01RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 04 03:51:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

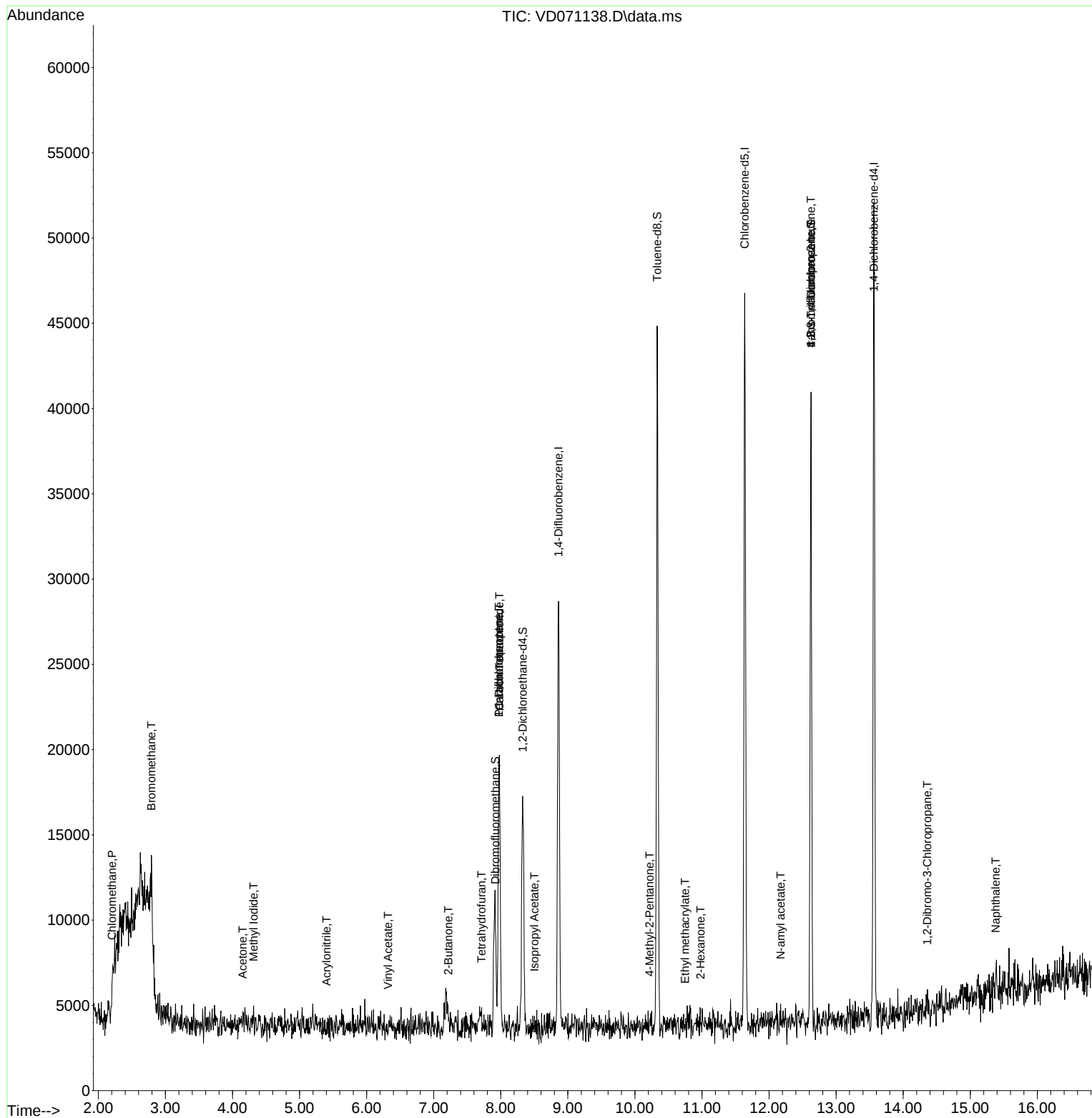
Internal Standards						
1) Pentafluorobenzene	7.973	168	11042	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	19213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	22602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	11121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	10509	81.110	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 162.220%			
35) Dibromofluoromethane	7.920	113	5530	45.200	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.400%			
50) Toluene-d8	10.332	98	23706	50.916	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.840%			
62) 4-Bromofluorobenzene	12.626	95	10765	66.701	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 133.400%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	402	3.227	ug/l #	42
5) Bromomethane	2.791	94	1079	10.770	ug/l #	57
10) Methyl Iodide	4.314	142	275	6.496	ug/l #	26
15) Acrylonitrile	5.403	53	55	2.216	ug/l #	19
16) Acetone	4.150	43	1213	61.710	ug/l #	40
20) Methylene Chloride	4.956	84	298	Below Cal	#	7
23) Vinyl Acetate	6.320	43	78	27.548	ug/l #	72
25) 2-Butanone	7.220	43	138	31.438	ug/l #	45
29) Tetrahydrofuran	7.714	42	58	2.819	ug/l #	34
36) 1,1-Dichloropropene	7.973	75	1193	6.644	ug/l #	41
38) Carbon Tetrachloride	7.979	117	1386	7.830	ug/l #	12
41) Methacrylonitrile	7.514	41	80	Below Cal	#	12
43) Isopropyl Acetate	8.502	43	81	5.648	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	153	32.187	ug/l #	34
56) Ethyl methacrylate	10.749	69	57	6.370	ug/l #	1
59) 2-Hexanone	10.979	43	98	35.855	ug/l #	22
74) N-amyl acetate	12.173	43	73	5.994	ug/l #	30
76) 1,2,3-Trichloropropane	12.626	75	5887	55.561	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	5887	120.720	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.361	75	60	2.778	ug/l #	4
95) Naphthalene	15.379	128	857	2.640	ug/l #	69

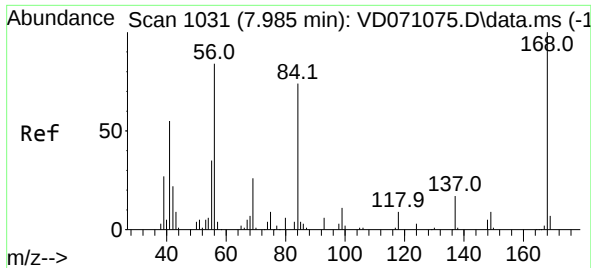
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

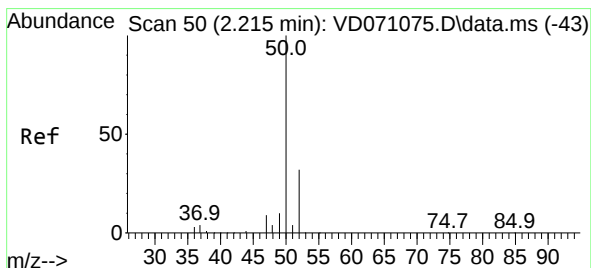
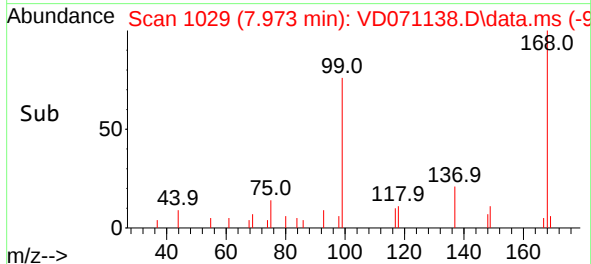
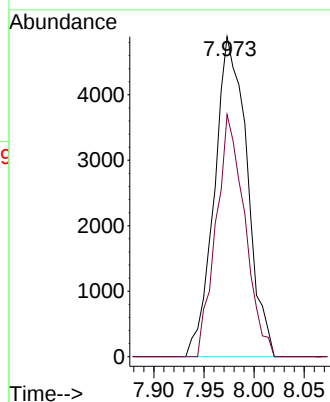
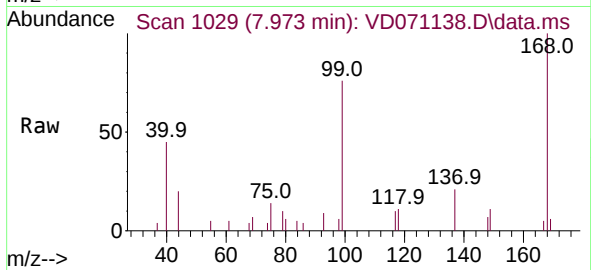




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.012 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

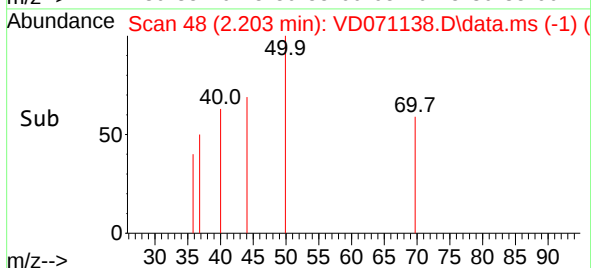
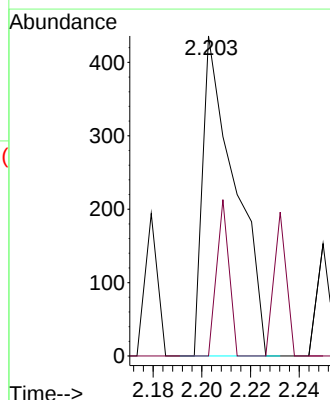
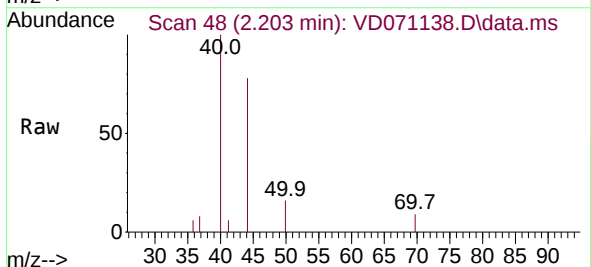
Instrument :
MSVOA_D
ClientSampleId :

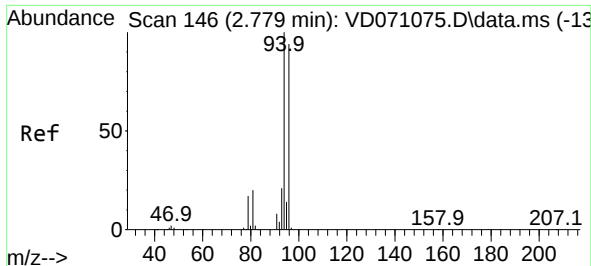
Tgt Ion:168 Resp: 11042
Ion Ratio Lower Upper
168 100
99 75.7 46.6 69.8#



#3
Chloromethane
Concen: 3.227 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.012 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

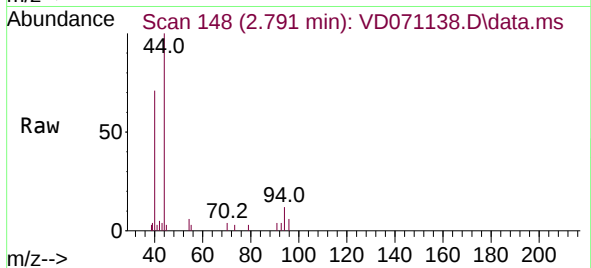
Tgt Ion: 50 Resp: 402
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



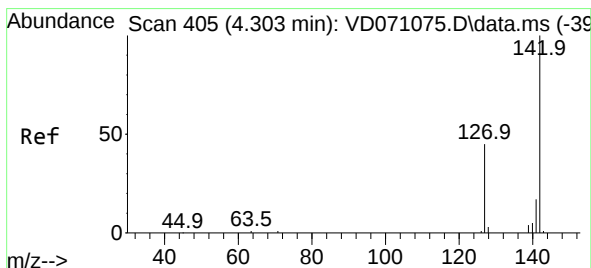
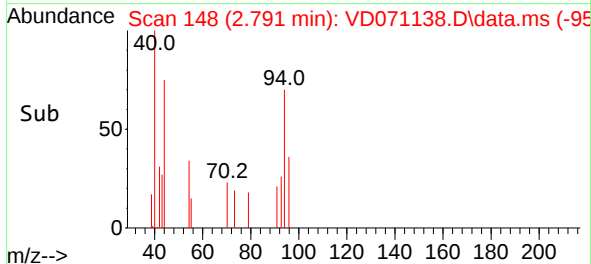
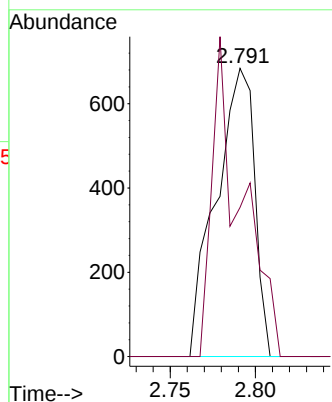


#5
Bromomethane
Concen: 10.770 ug/l
RT: 2.791 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

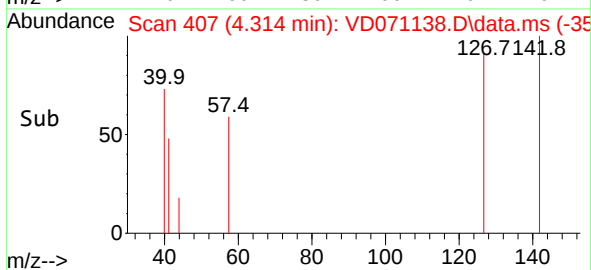
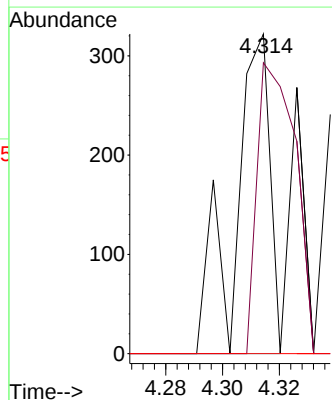
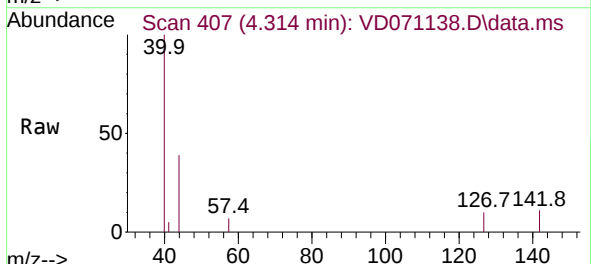


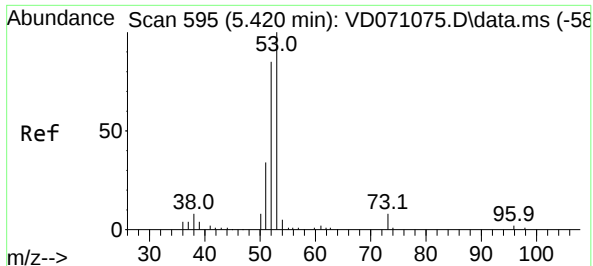
Tgt Ion: 94 Resp: 1079
Ion Ratio Lower Upper
94 100
96 51.8 74.8 112.2#



#10
Methyl Iodide
Concen: 6.496 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

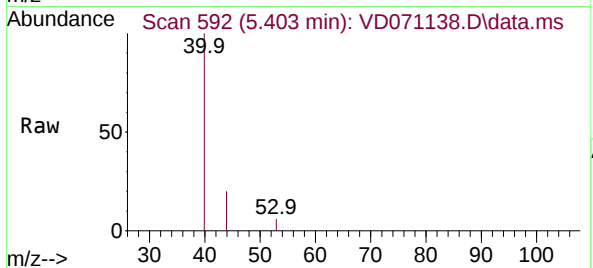
Tgt Ion: 142 Resp: 275
Ion Ratio Lower Upper
142 100
127 99.6 35.0 52.4#
141 0.0 12.0 18.0#



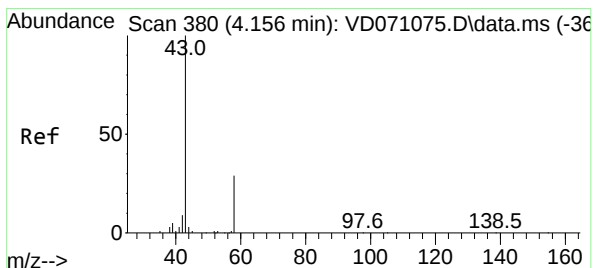
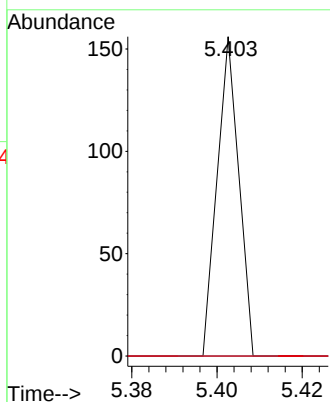


#15
Acrylonitrile
Concen: 2.216 ug/l
RT: 5.403 min Scan# 595
Delta R.T. -0.017 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

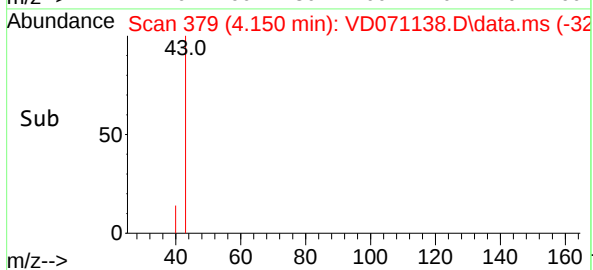
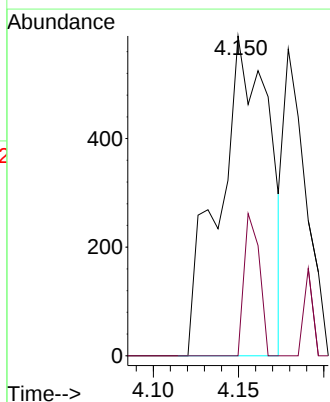
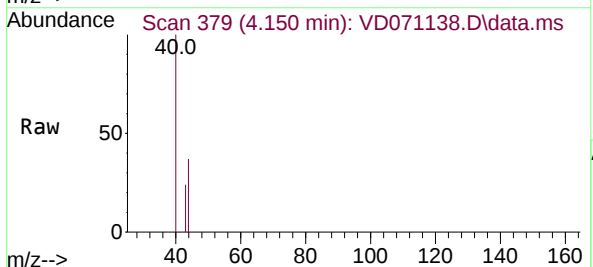


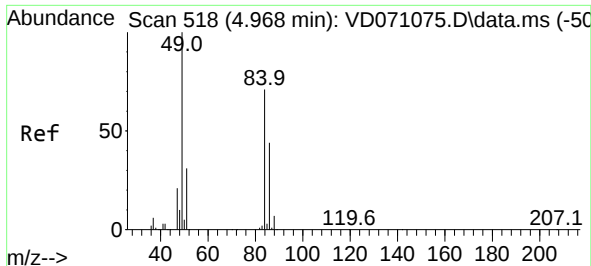
Tgt Ion: 53 Resp: 55
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 61.710 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

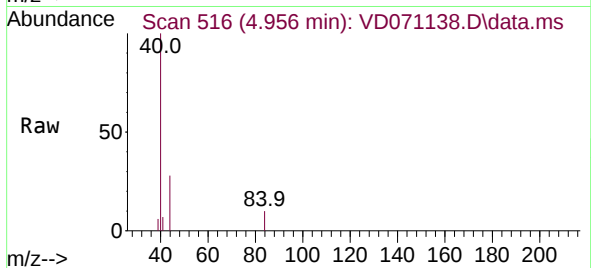
Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



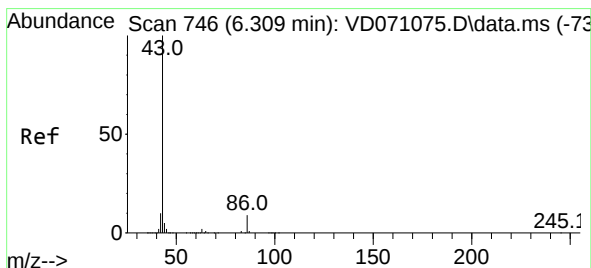
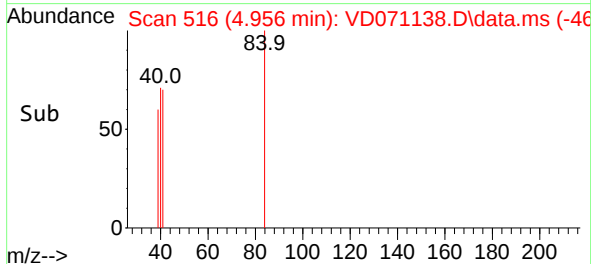
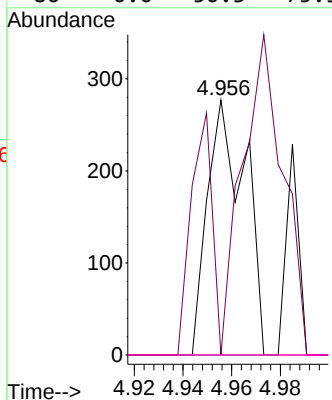


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 518
Delta R.T. -0.012 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

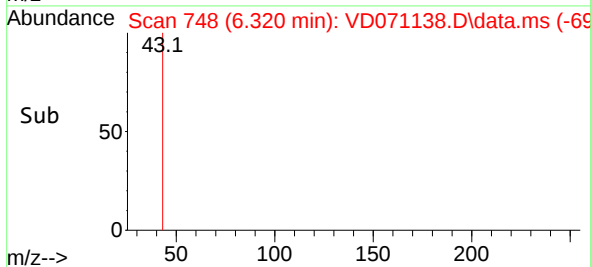
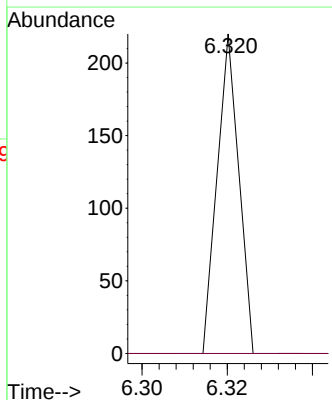
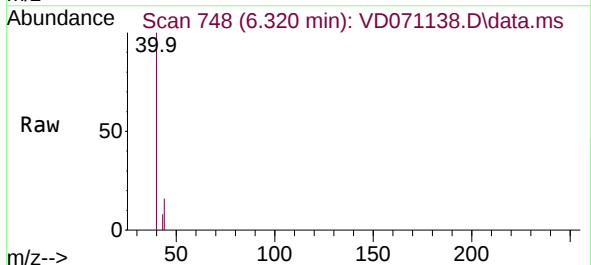


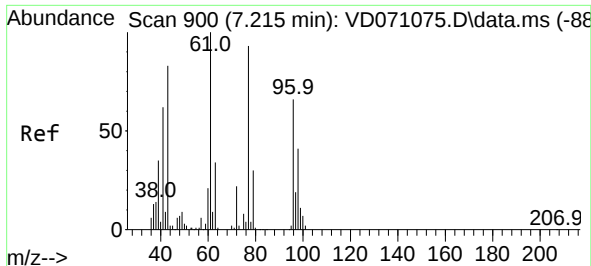
Tgt Ion: 84 Resp: 298
Ion Ratio Lower Upper
84 100
49 0.0 95.8 143.6#
51 0.0 30.9 46.3#
86 0.0 50.3 75.5#



#23
Vinyl Acetate
Concen: 27.548 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

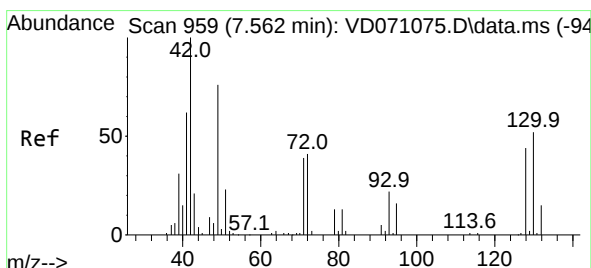
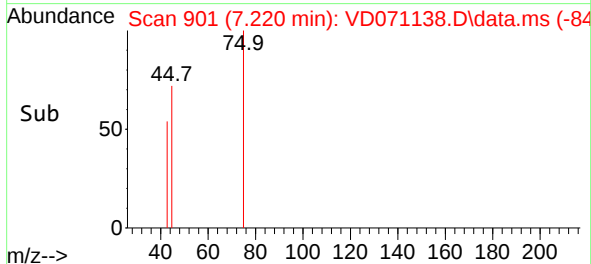
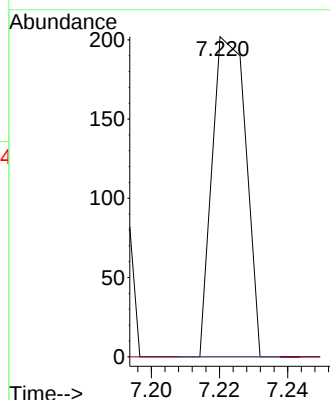
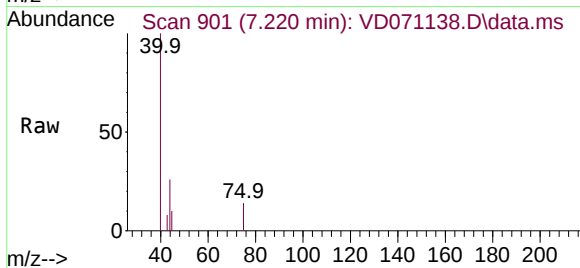




#25
2-Butanone
Concen: 31.438 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.005 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

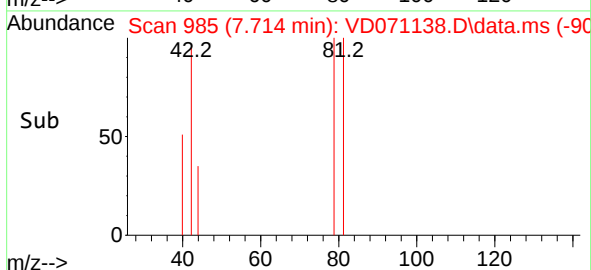
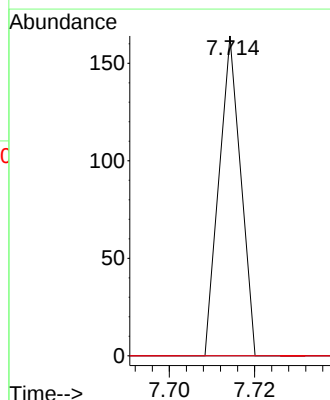
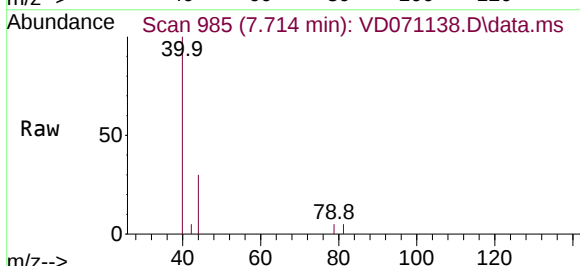
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MSVOA_D
ClientSampleId :

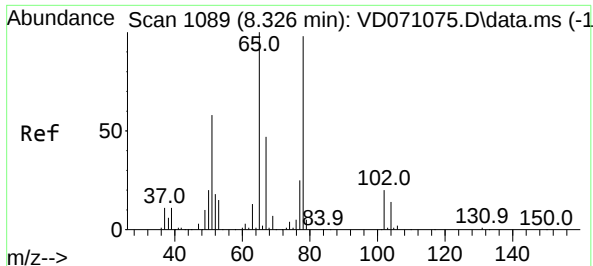
Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 2.819 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.152 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

Tgt Ion: 42 Resp: 58
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#





#33

1,2-Dichloroethane-d4

Concen: 81.110 ug/l

RT: 8.326 min Scan# 110

Delta R.T. -0.000 min

Lab File: VD071138.D

Acq: 03 Dec 2021 17:30

Instrument :

MSVOA_D

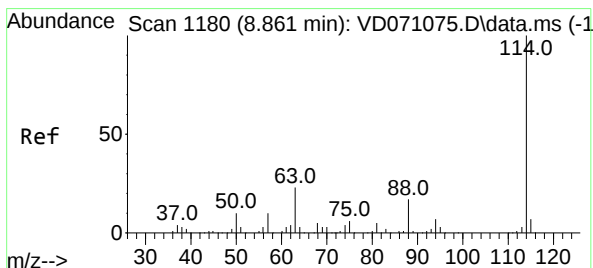
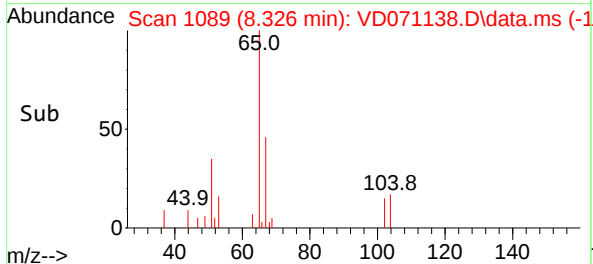
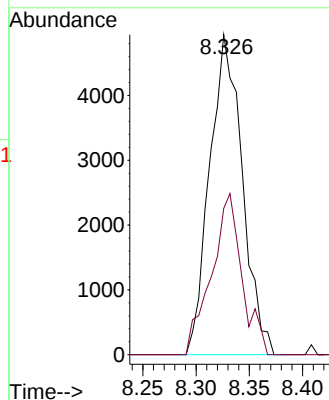
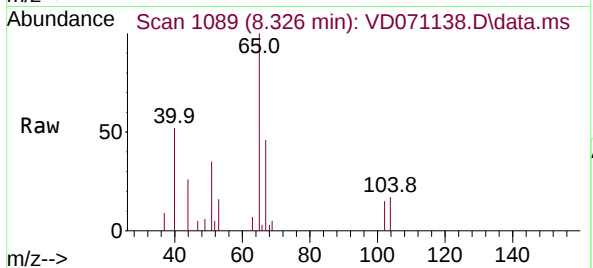
ClientSampleId :

Tgt Ion: 65 Resp: 10509

Ion Ratio Lower Upper

65 100

67 47.1 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: VD071138.D

Acq: 03 Dec 2021 17:30

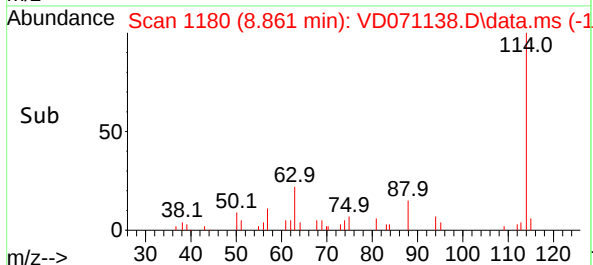
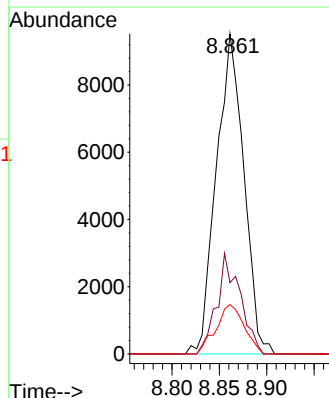
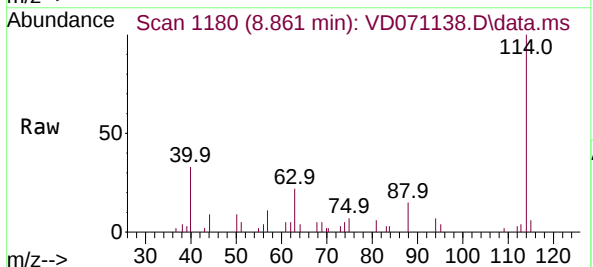
Tgt Ion: 114 Resp: 19213

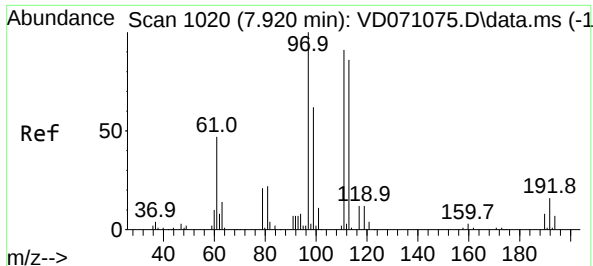
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.200 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

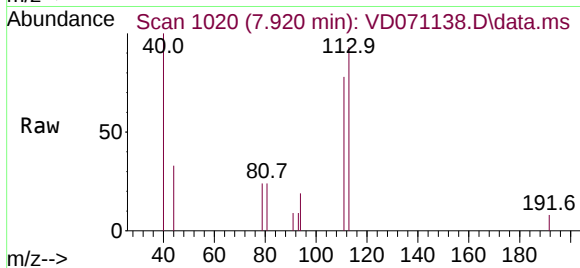
Lab File: VD071138.D

Acq: 03 Dec 2021 17:30

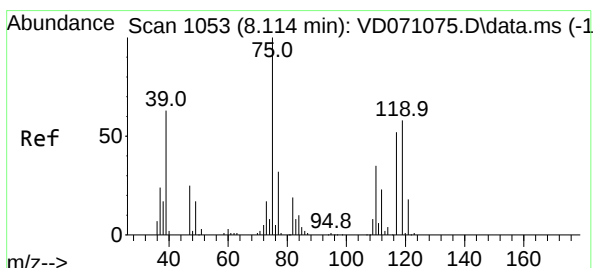
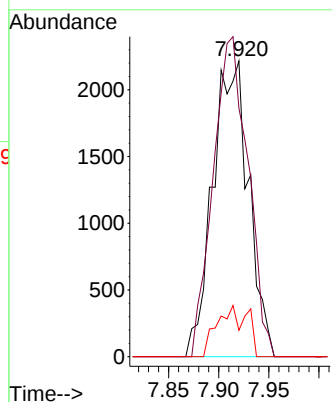
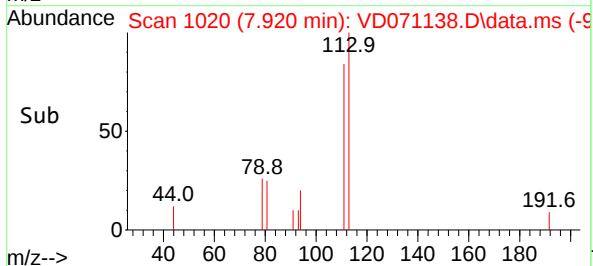
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	5530
Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.0	123.0
192	14.4	15.2	22.8#



#36

1,1-Dichloropropene

Concen: 6.644 ug/l

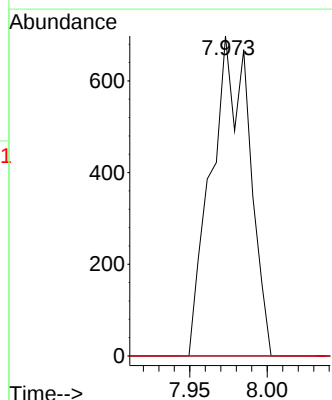
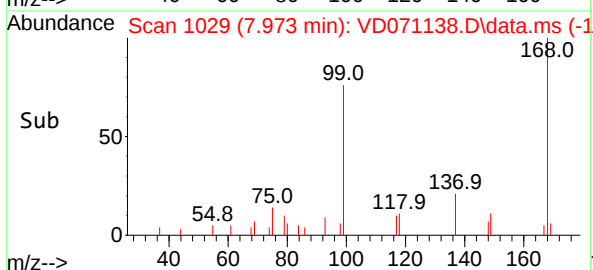
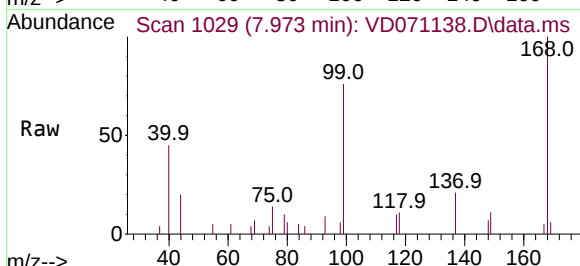
RT: 7.973 min Scan# 1029

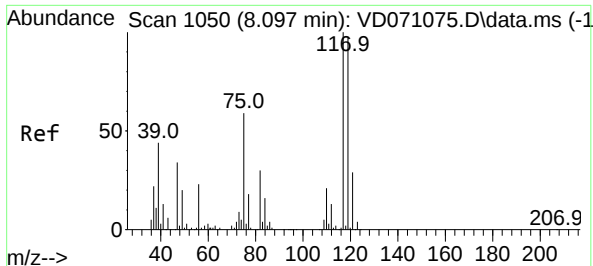
Delta R.T. -0.141 min

Lab File: VD071138.D

Acq: 03 Dec 2021 17:30

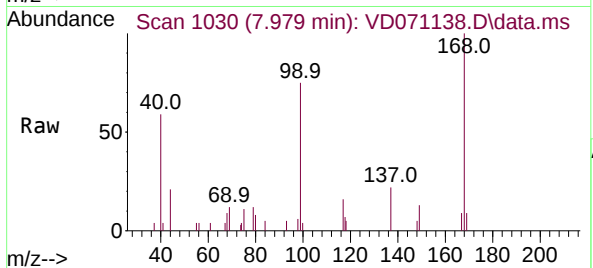
Tgt Ion:	75	Resp:	1193
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#



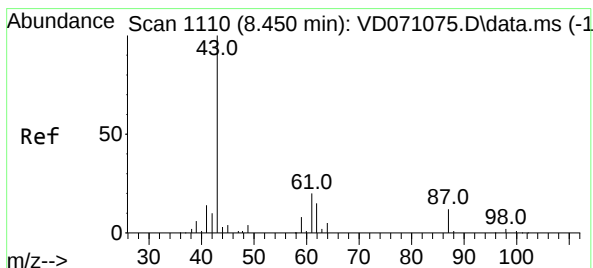
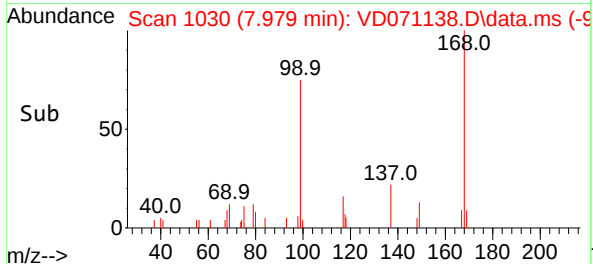
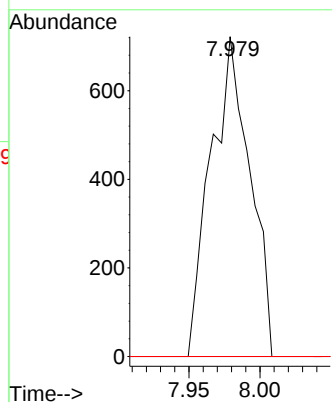


#38
Carbon Tetrachloride
Concen: 7.830 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

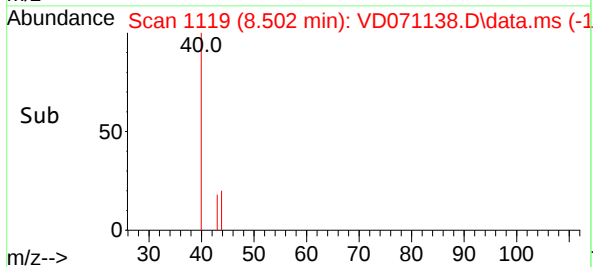
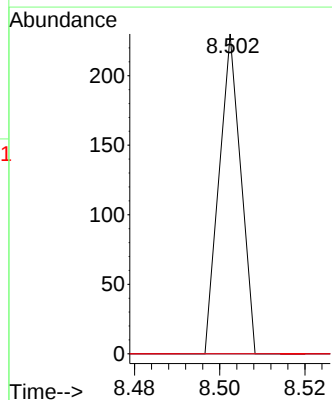
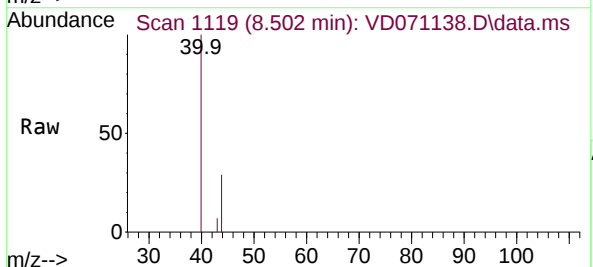


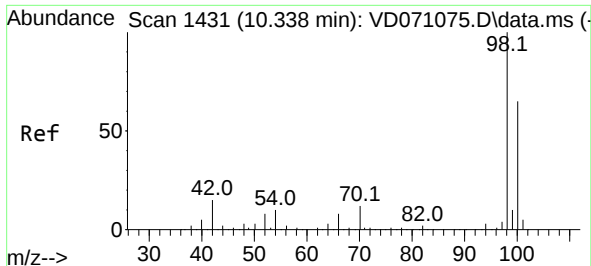
Tgt Ion:117 Resp: 1386
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.648 ug/l
RT: 8.502 min Scan# 1119
Delta R.T. 0.052 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

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

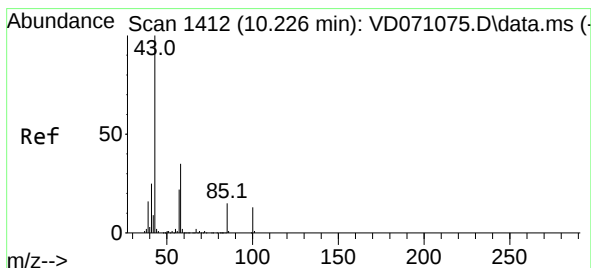
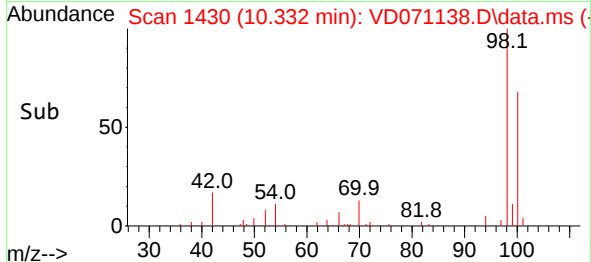
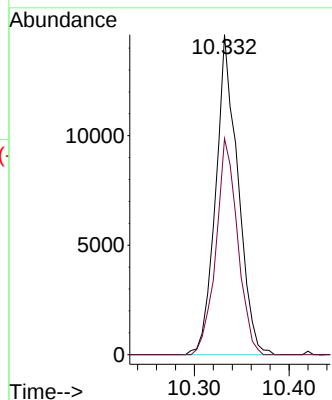
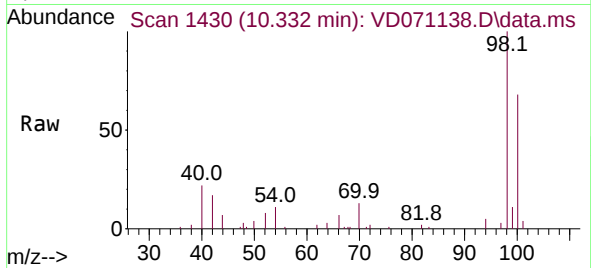




#50
Toluene-d8
Concen: 50.916 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

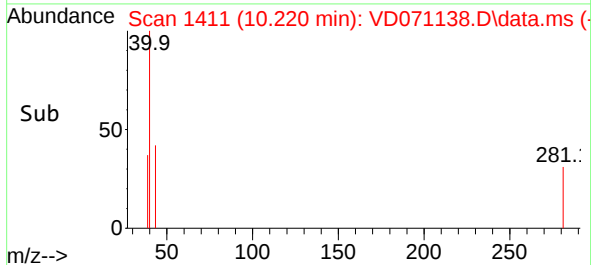
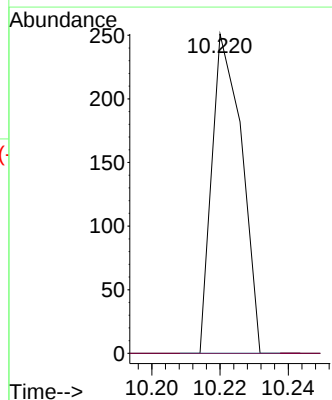
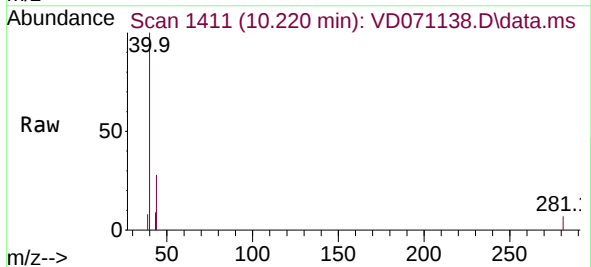
Instrument :
MSVOA_D
ClientSampleId :

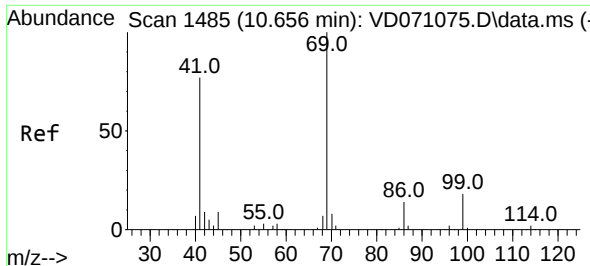
Tgt Ion: 98 Resp: 23706
Ion Ratio Lower Upper
98 100
100 66.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 32.187 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

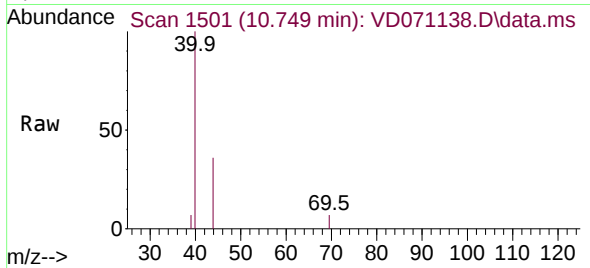
Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



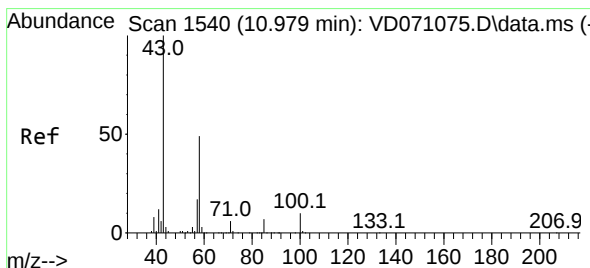
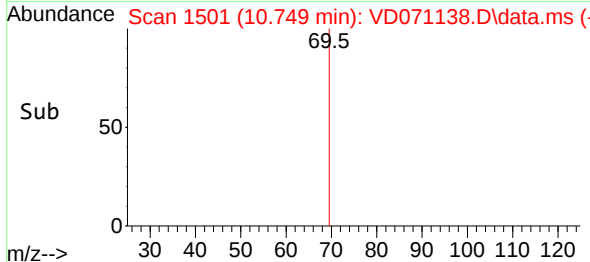
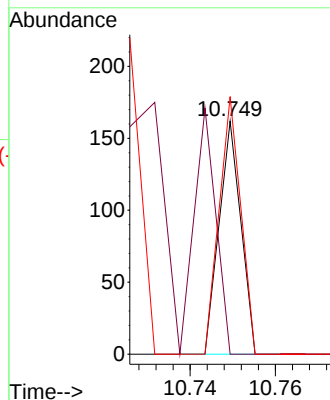


#56
Ethyl methacrylate
Concen: 6.370 ug/l
RT: 10.749 min Scan# 11
Delta R.T. 0.093 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

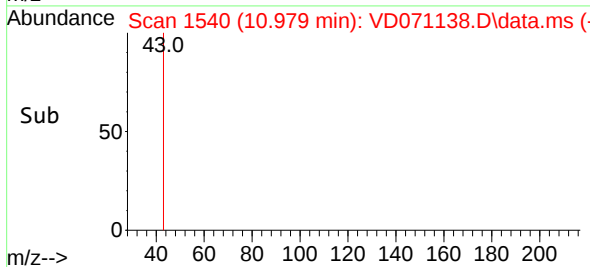
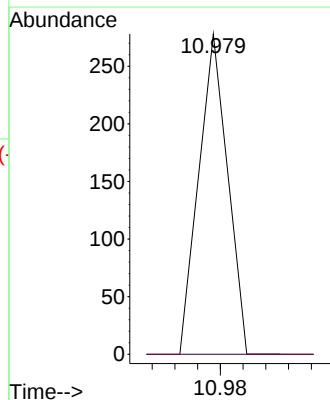
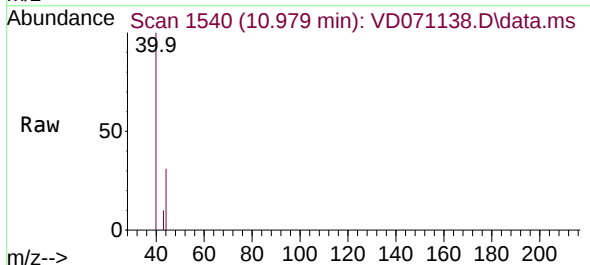


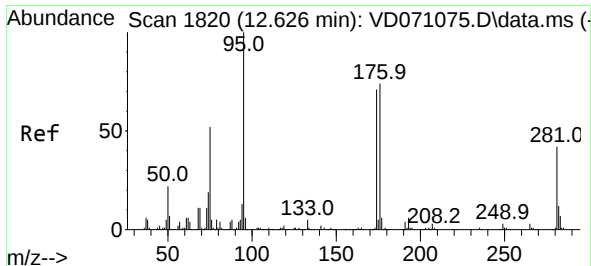
Tgt Ion: 69 Resp: 57
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 110.5 19.8 29.8#



#59
2-Hexanone
Concen: 35.855 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

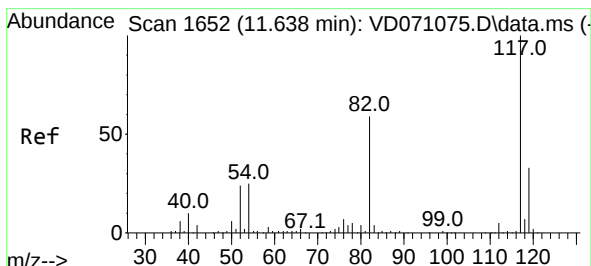
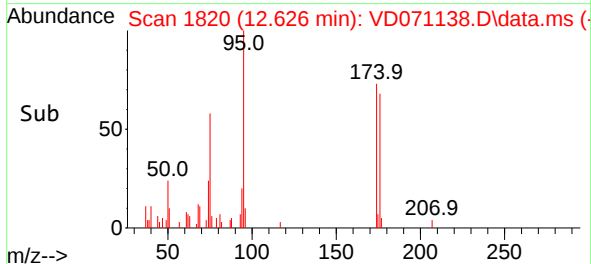
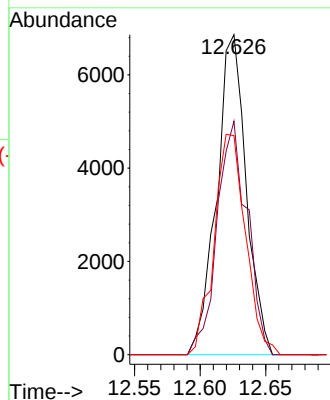
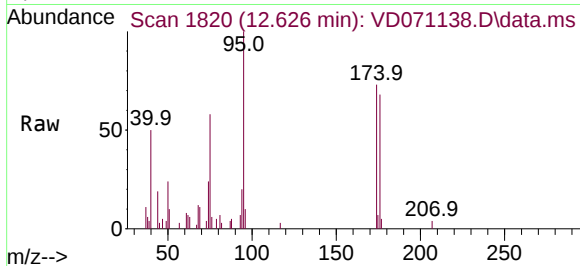




#62
4-Bromofluorobenzene
Concen: 66.701 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

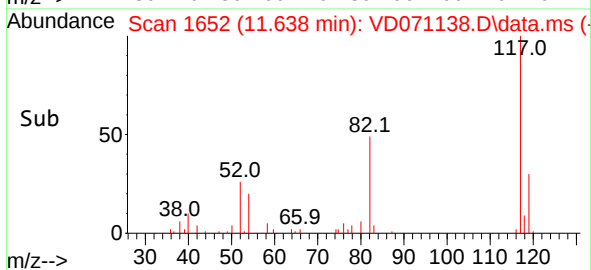
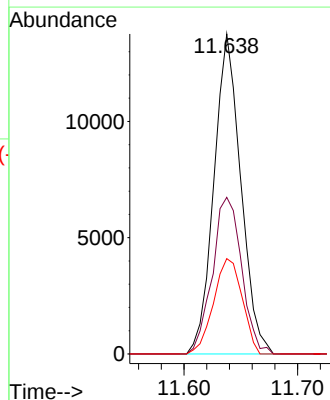
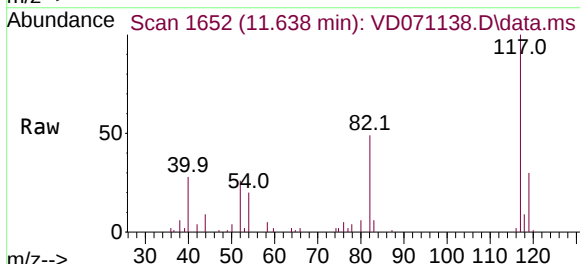
Instrument :
MSVOA_D
ClientSampleId :

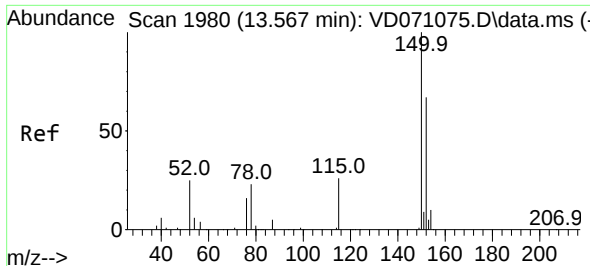
Tgt Ion: 95	Resp: 10765
Ion Ratio	Lower Upper
95 100	
174 74.1	0.0 159.4
176 73.0	0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

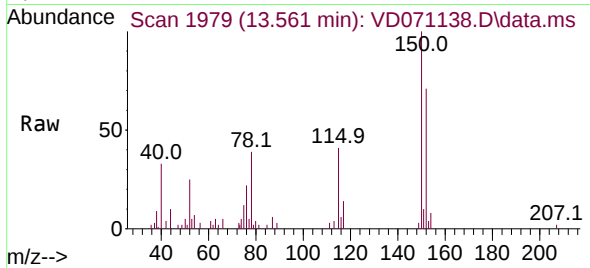
Tgt Ion: 117	Resp: 22602
Ion Ratio	Lower Upper
117 100	
82 49.0	44.7 67.1
119 29.8	26.2 39.4



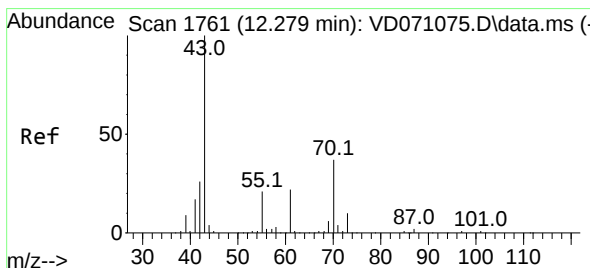
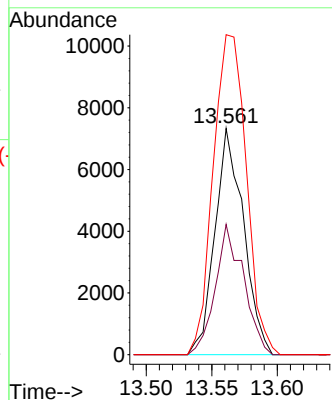
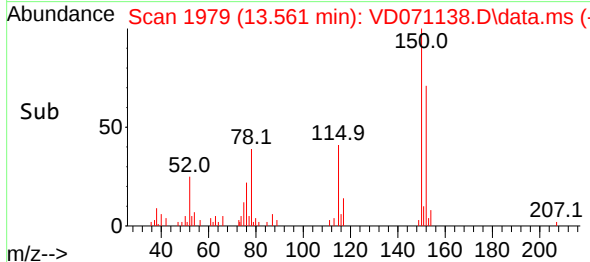


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

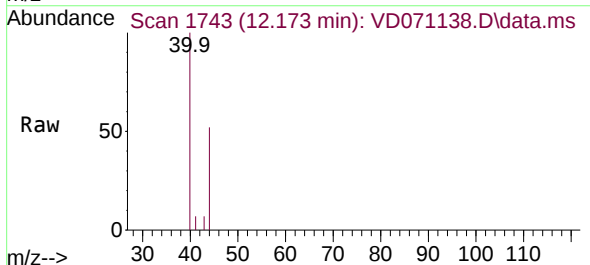
Instrument :
MSVOA_D
ClientSampleId :



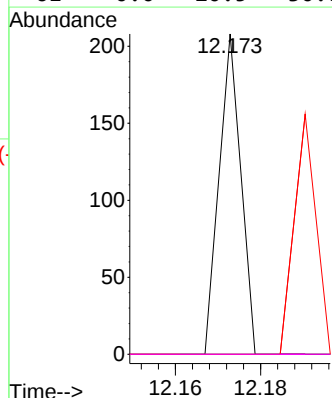
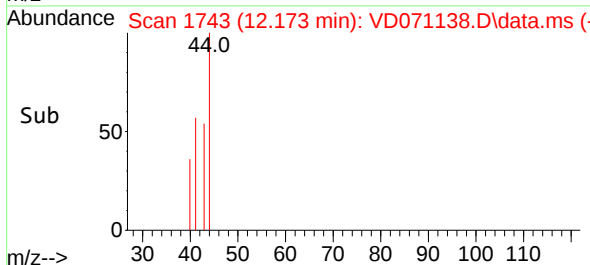
Tgt Ion:152 Resp: 11121
Ion Ratio Lower Upper
152 100
115 56.8 29.8 89.3
150 163.9 0.0 349.2

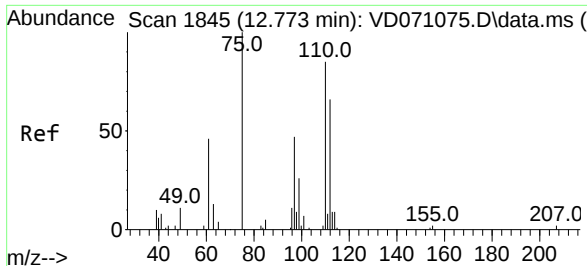


#74
N-ethyl acetate
Concen: 5.994 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.106 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30



Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 75.3 22.5 33.7#
61 0.0 20.5 30.7#

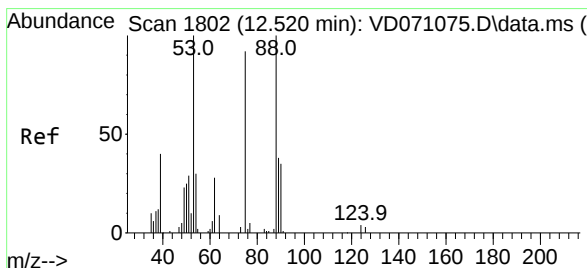
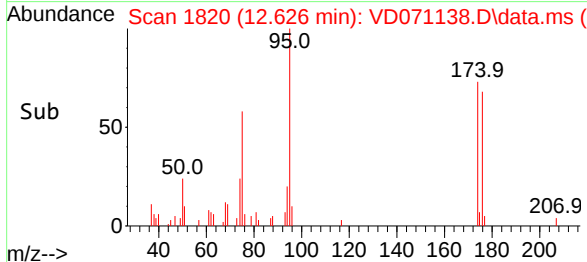
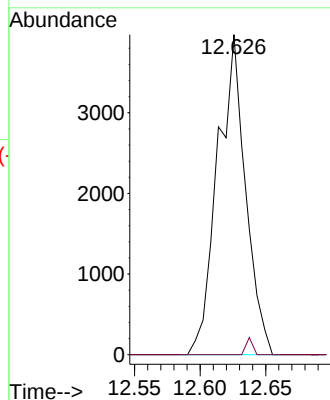
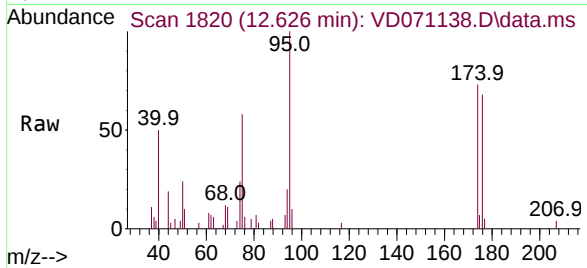




#76
1,2,3-Trichloropropane
Concen: 55.561 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

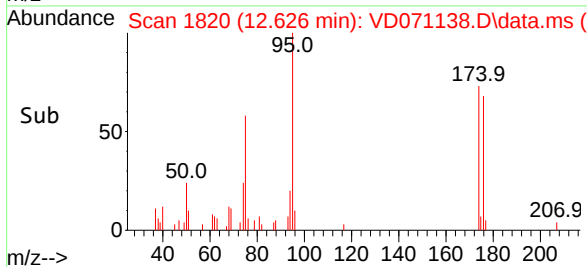
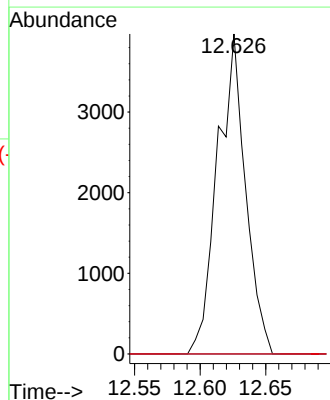
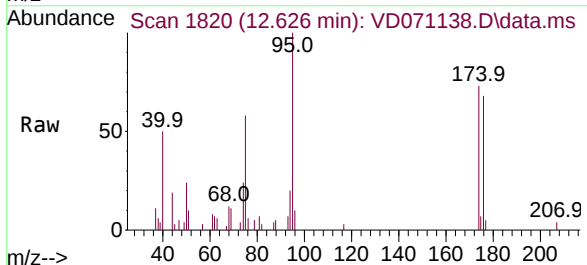
Instrument :
MSVOA_D
ClientSampleId :

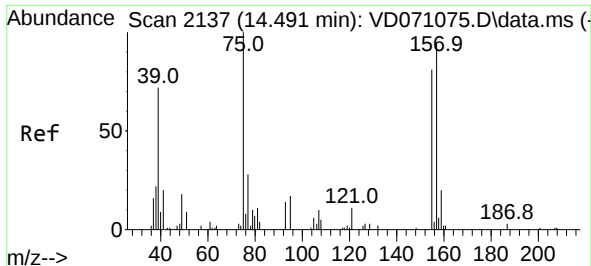
Tgt Ion: 75 Resp: 5887
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.720 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

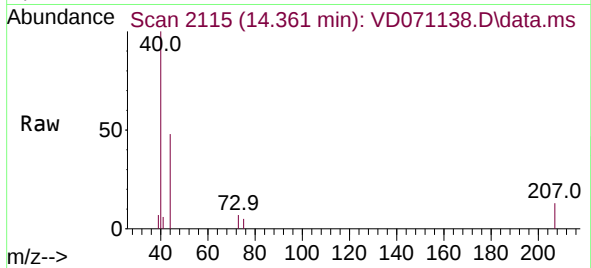
Tgt Ion: 75 Resp: 5887
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#



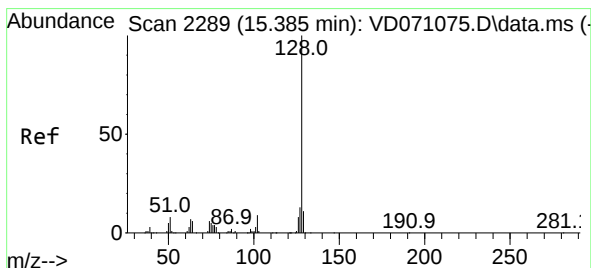
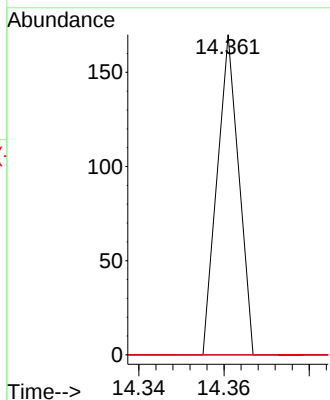
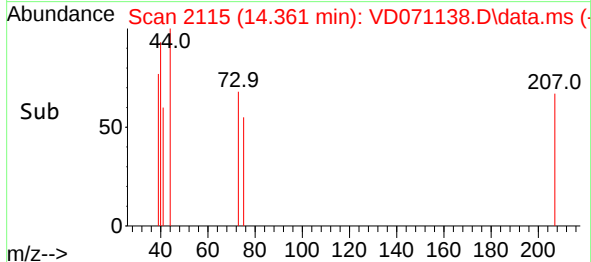


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.778 ug/l
RT: 14.361 min Scan# 2137
Delta R.T. -0.130 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30

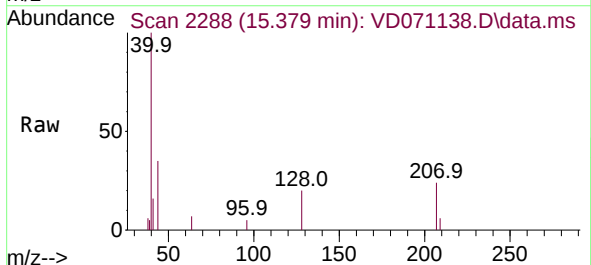
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#



#95
Naphthalene
Concen: 2.640 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD071138.D
Acq: 03 Dec 2021 17:30



Tgt Ion: 128 Resp: 857
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

