

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110921\
 Data File : VD070958.D
 Acq On : 09 Nov 2021 19:10
 Operator : VA/SY
 Sample : M4540-05
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 03:58:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

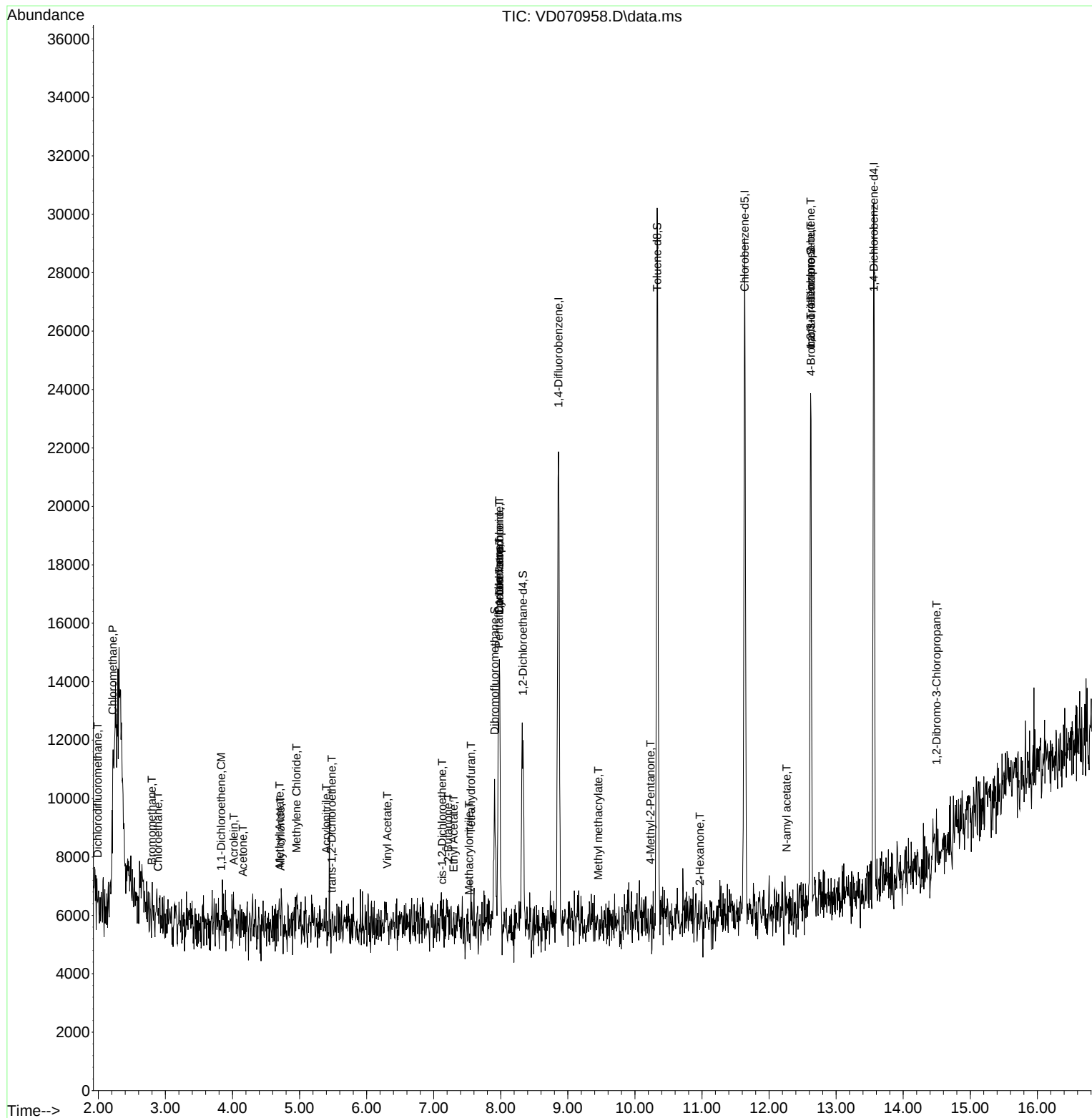
Internal Standards						
1) Pentafluorobenzene	7.973	168	6237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	13022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	12388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	5759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	5265	79.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 158.580%			
35) Dibromofluoromethane	7.908	113	3064	41.698	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 83.400%			
50) Toluene-d8	10.331	98	14842	51.576	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.160%			
62) 4-Bromofluorobenzene	12.625	95	6058	58.467	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	69	1.295	ug/l #	44
3) Chloromethane	2.214	50	255	4.022	ug/l #	42
5) Bromomethane	2.797	94	62	1.492	ug/l #	47
6) Chloroethane	2.891	64	112	2.860	ug/l #	39
12) 1,1-Dichloroethene	3.832	96	92	1.553	ug/l #	1
13) Acrolein	4.020	56	221	146.780	ug/l #	60
14) Allyl chloride	4.714	41	644	5.220	ug/l #	69
15) Acrylonitrile	5.396	53	68	4.375	ug/l #	19
16) Acetone	4.155	43	708	56.150	ug/l #	40
18) Methyl Acetate	4.702	43	420	7.372	ug/l #	51
20) Methylene Chloride	4.955	84	535	6.719	ug/l #	84
21) trans-1,2-Dichloroethene	5.479	96	119	1.753	ug/l #	1
23) Vinyl Acetate	6.308	43	67	21.451	ug/l #	72
25) 2-Butanone	7.214	43	400	36.221	ug/l #	45
27) cis-1,2-Dichloroethene	7.126	96	139	1.791	ug/l #	1
29) Tetrahydrofuran	7.555	42	185	13.711	ug/l #	34
31) Cyclohexane	7.979	56	184	1.347	ug/l #	18
36) 1,1-Dichloropropene	7.979	75	588	5.057	ug/l #	41
37) Ethyl Acetate	7.296	43	128	2.413	ug/l #	66
38) Carbon Tetrachloride	7.979	117	396	3.699	ug/l #	54
41) Methacrylonitrile	7.526	41	95	5.767	ug/l #	41
48) Methyl methacrylate	9.455	41	234	4.249	ug/l #	22
51) 4-Methyl-2-Pentanone	10.231	43	210	3.858	ug/l #	34
59) 2-Hexanone	10.967	43	215	20.664	ug/l #	22
74) N-amyl acetate	12.261	43	249	2.101	ug/l #	46
76) 1,2,3-Trichloropropane	12.620	75	2982	60.618	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	2982	112.289	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.496	75	70	5.977	ug/l #	4

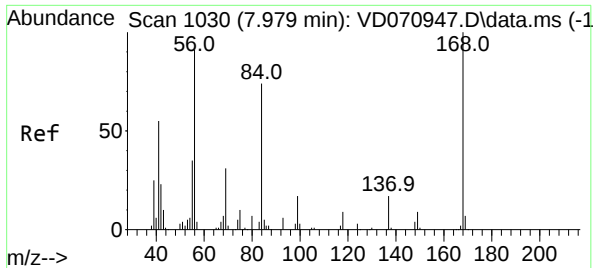
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110921\
Data File : VD070958.D
Acq On : 09 Nov 2021 19:10
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Misc : 5.07G/5.00ml/MSVOA_D/SOIL
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Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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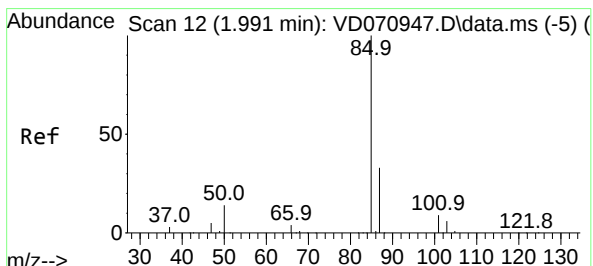
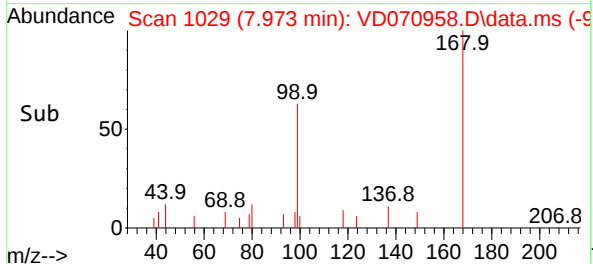
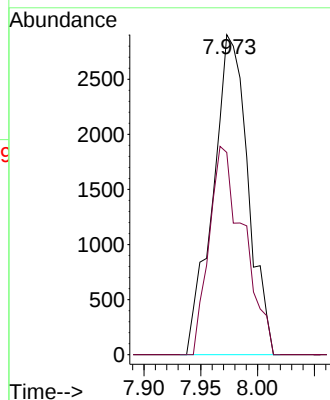
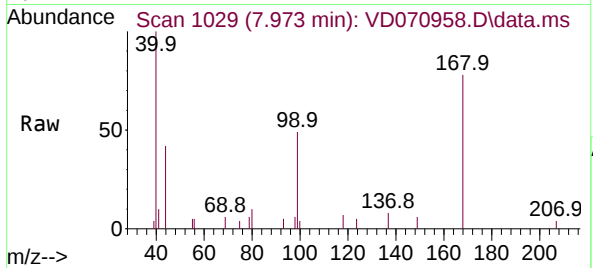




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

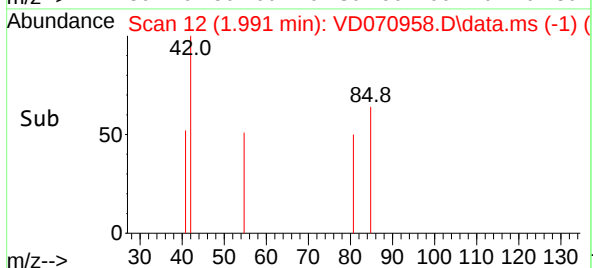
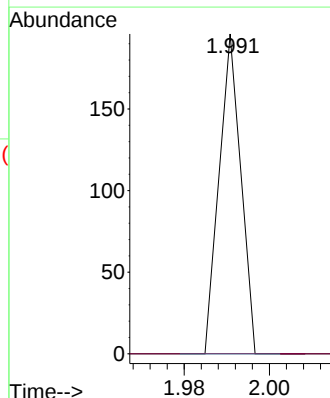
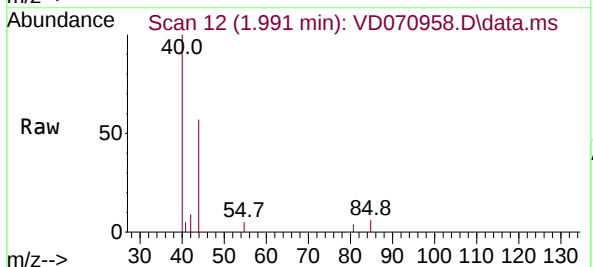
Instrument :
MSVOA_D
ClientSampleId :

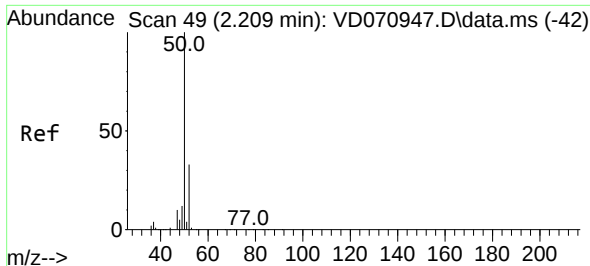
Tgt Ion:168 Resp: 6237
Ion Ratio Lower Upper
168 100
99 63.2 46.6 69.8



#2
Dichlorodifluoromethane
Concen: 1.295 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 85 Resp: 69
Ion Ratio Lower Upper
85 100
87 0.0 15.2 45.6#

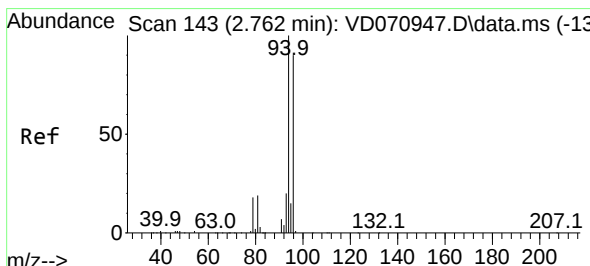
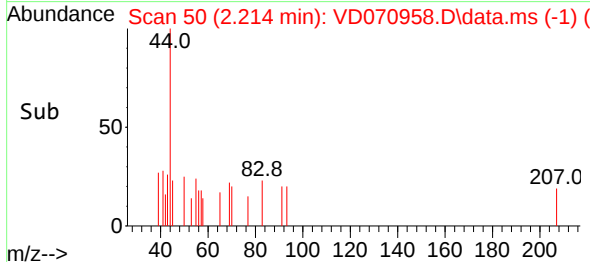
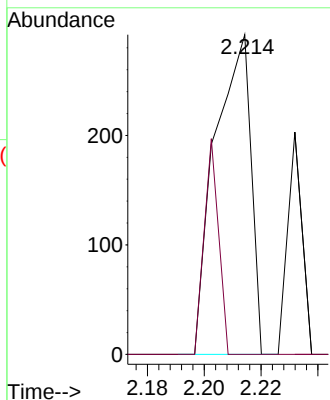
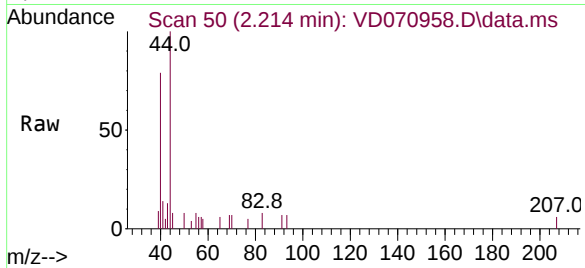




#3
Chloromethane
Concen: 4.022 ug/l
RT: 2.214 min Scan# 50
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

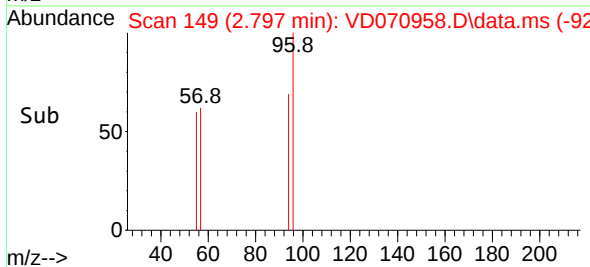
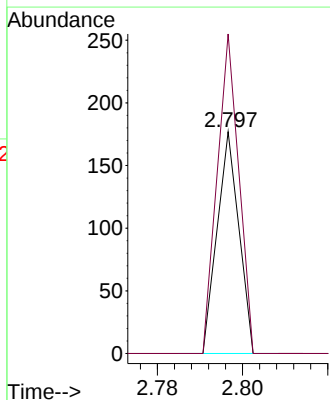
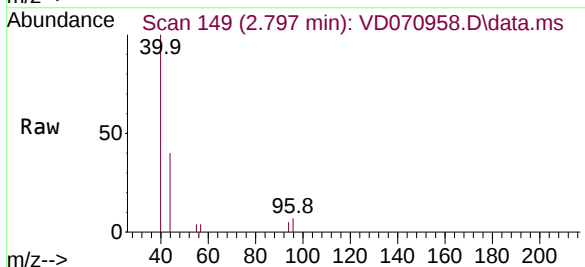
Instrument :
MSVOA_D
ClientSampleId :

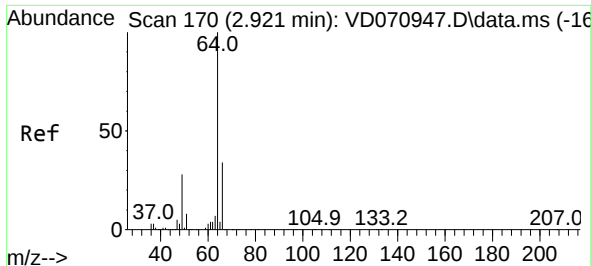
Tgt Ion: 50 Resp: 255
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



#5
Bromomethane
Concen: 1.492 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.035 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

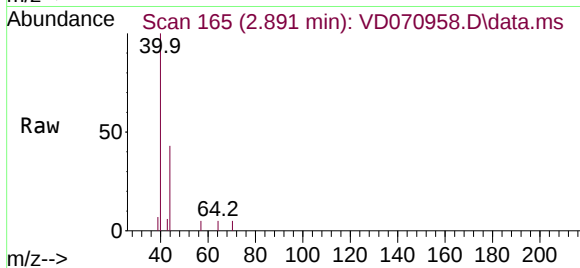
Tgt Ion: 94 Resp: 62
Ion Ratio Lower Upper
94 100
96 144.1 74.8 112.2#



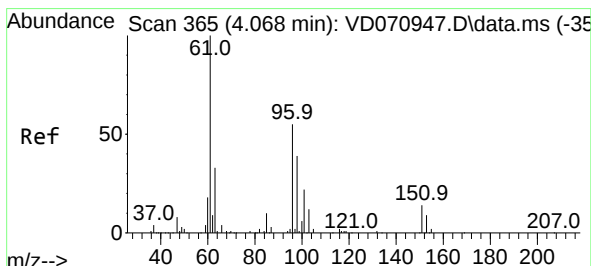
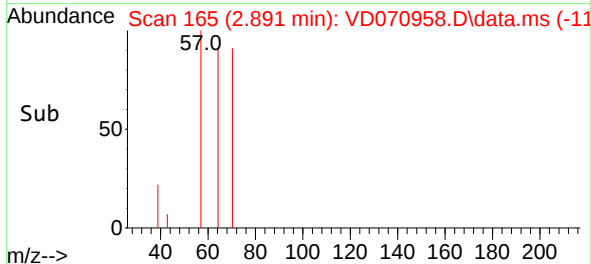
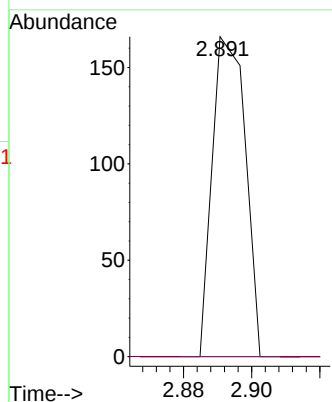


#6
Chloroethane
Concen: 2.860 ug/l
RT: 2.891 min Scan# 112
Delta R.T. -0.030 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :

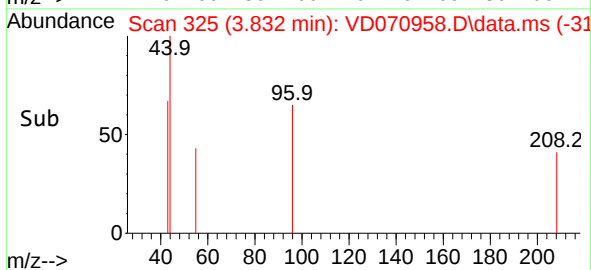
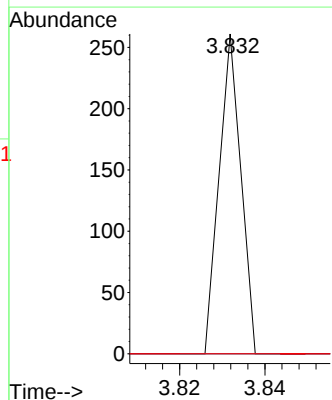
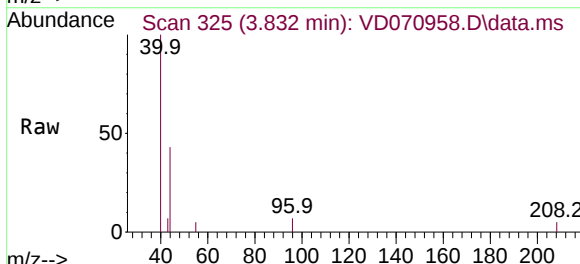


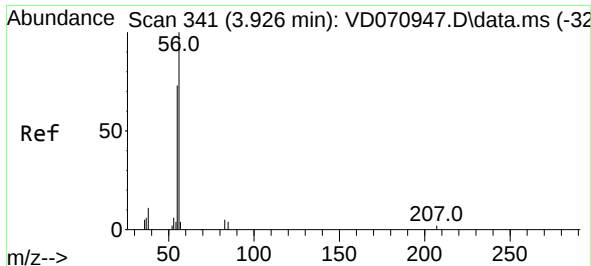
Tgt Ion: 64 Resp: 112
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#



#12
1,1-Dichloroethene
Concen: 1.553 ug/l
RT: 3.832 min Scan# 325
Delta R.T. -0.236 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 96 Resp: 92
Ion Ratio Lower Upper
96 100
61 0.0 120.3 180.5#
98 0.0 54.4 81.6#

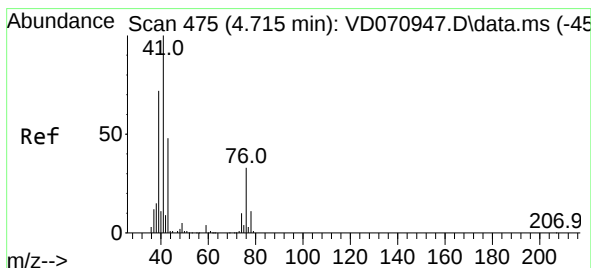
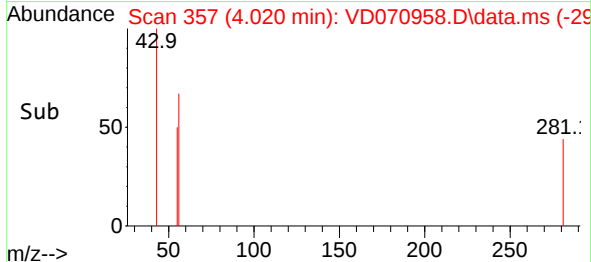
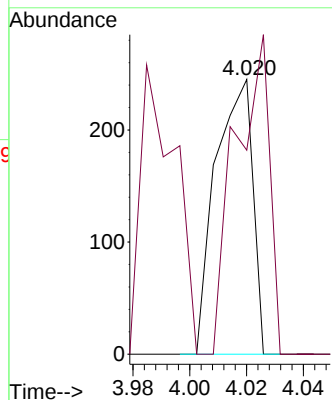
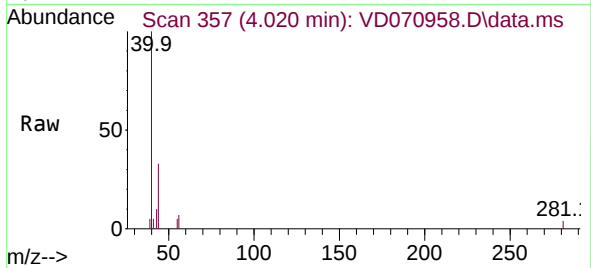




#13
Acrolein
Concen: 146.780 ug/l
RT: 4.020 min Scan# 31
Delta R.T. 0.094 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

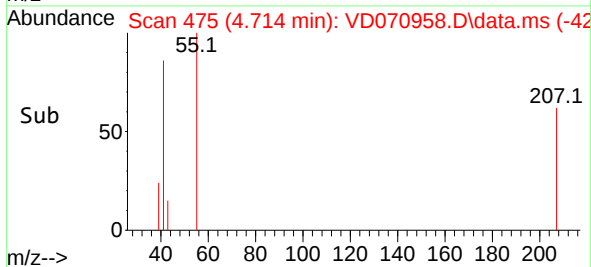
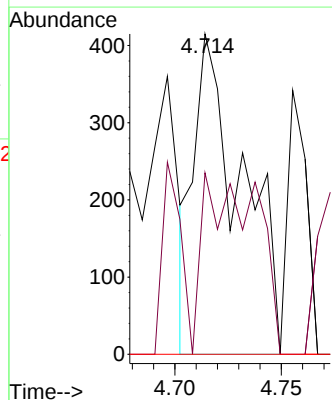
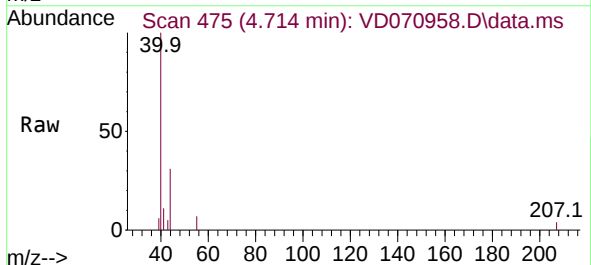
Instrument :
MSVOA_D
ClientSampleId :

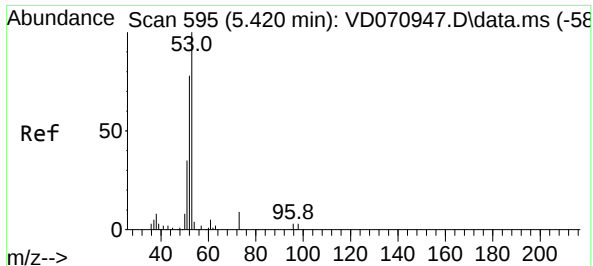
Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 107.2 58.6 87.8#



#14
Allyl chloride
Concen: 5.220 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.001 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

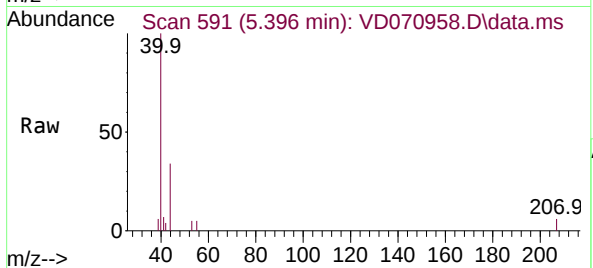
Tgt Ion: 41 Resp: 644
Ion Ratio Lower Upper
41 100
39 63.8 45.6 68.4
76 0.0 30.2 45.4#



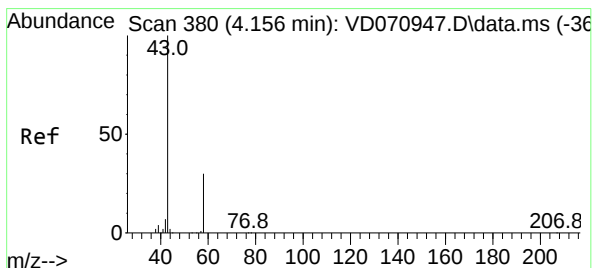
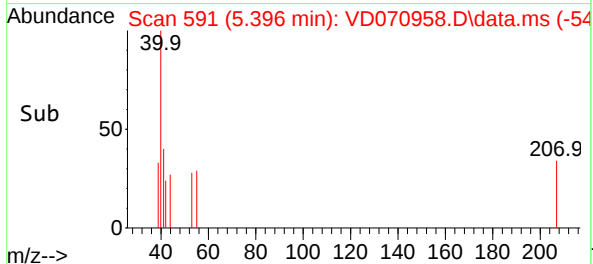
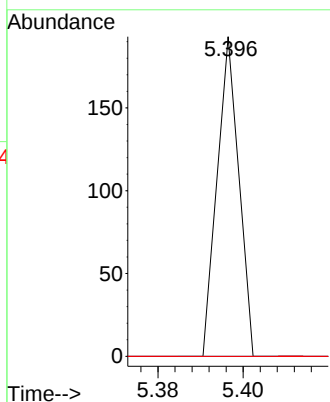


#15
Acrylonitrile
Concen: 4.375 ug/l
RT: 5.396 min Scan# 591
Delta R.T. -0.024 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :

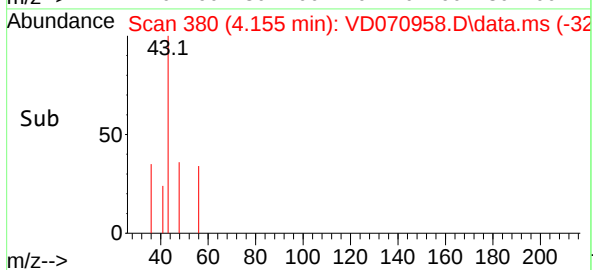
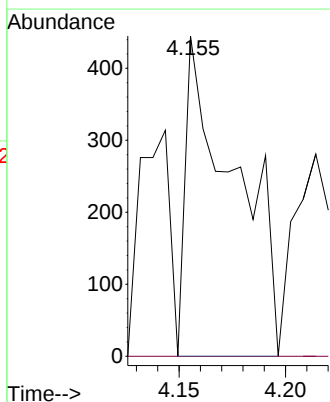
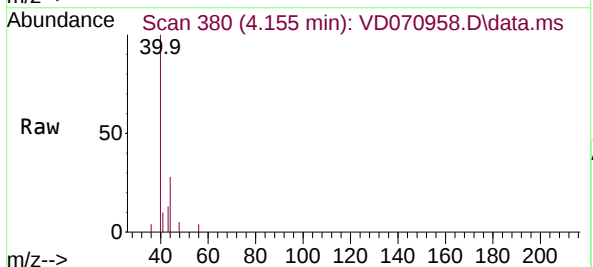


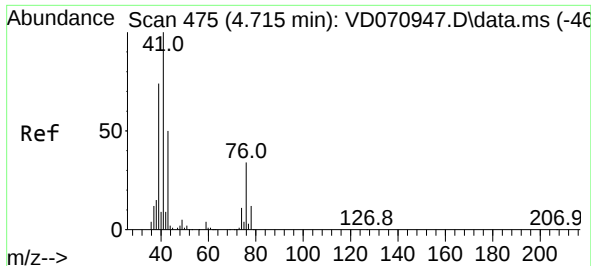
Tgt Ion: 53 Resp: 68
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 56.150 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.001 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

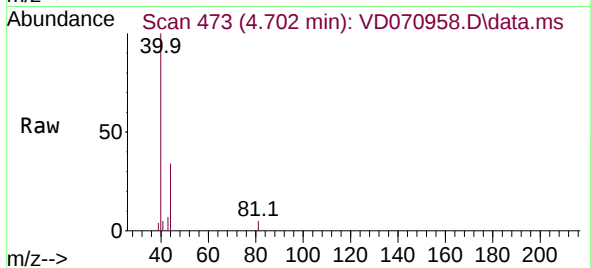
Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



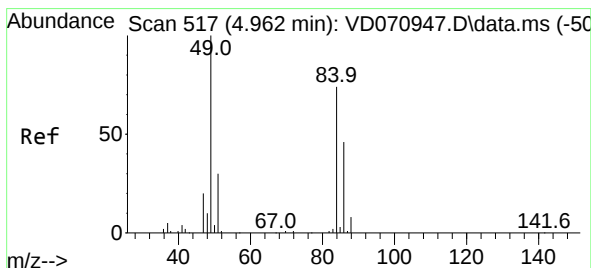
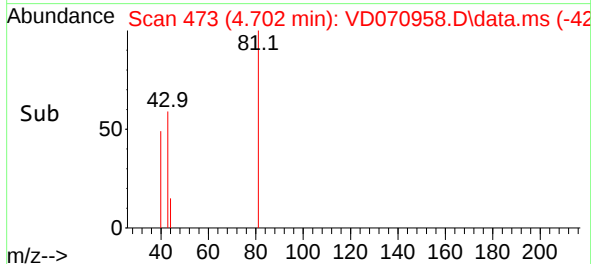
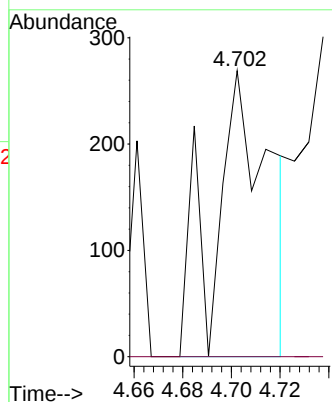


#18
Methyl Acetate
Concen: 7.372 ug/l
RT: 4.702 min Scan# 41
Delta R.T. -0.013 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
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ClientSampleId :

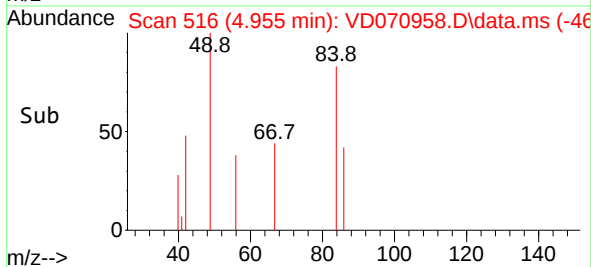
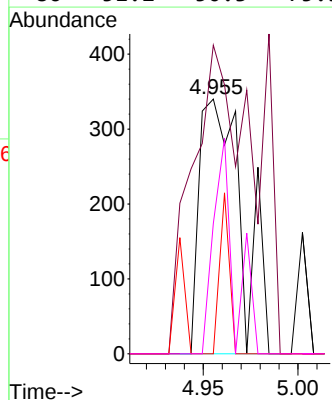
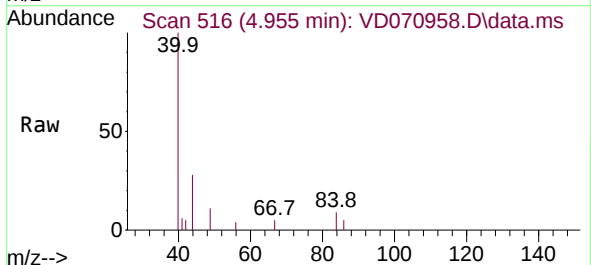


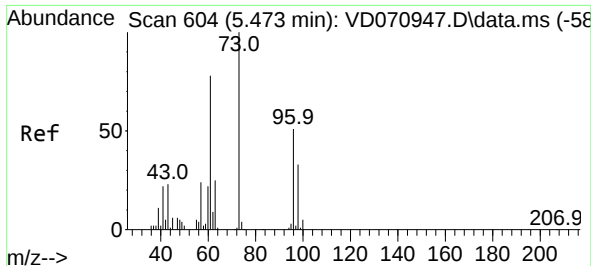
Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#20
Methylene Chloride
Concen: 6.719 ug/l
RT: 4.955 min Scan# 516
Delta R.T. -0.007 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

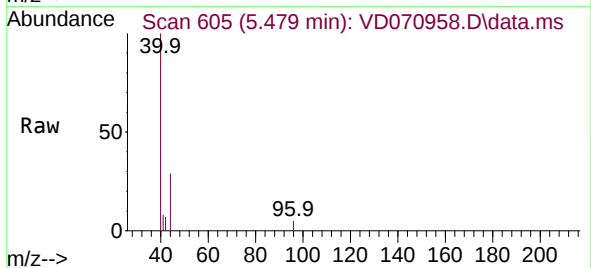
Tgt Ion: 84 Resp: 535
Ion Ratio Lower Upper
84 100
49 121.2 95.8 143.6
51 0.0 30.9 46.3#
86 51.2 50.3 75.5



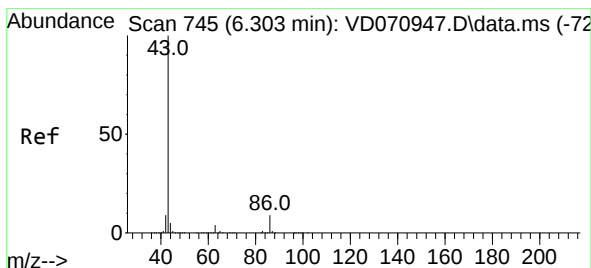
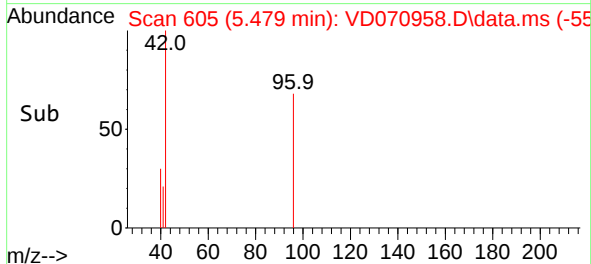
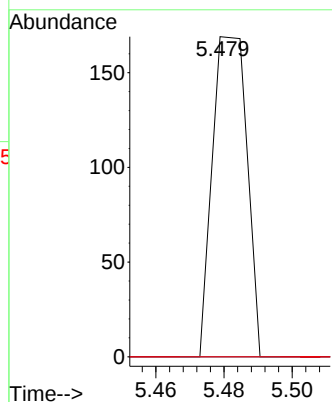


#21
trans-1,2-Dichloroethene
Concen: 1.753 ug/l
RT: 5.479 min Scan# 604
Delta R.T. 0.006 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
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ClientSampleId :

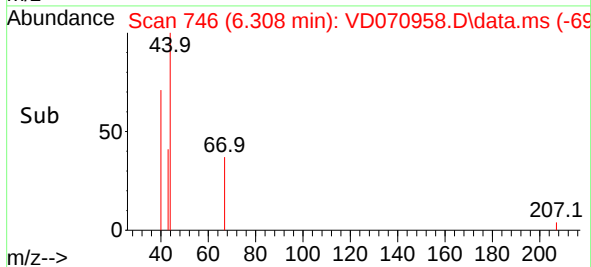
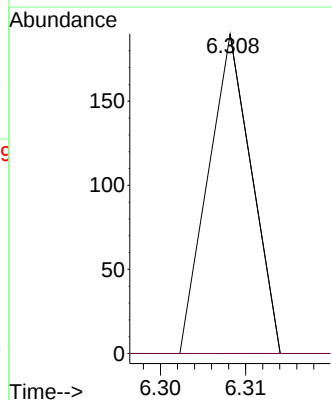
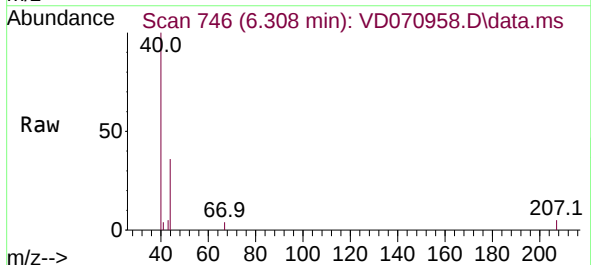


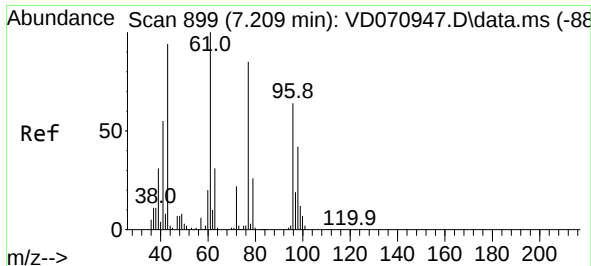
Tgt Ion: 96 Resp: 119
Ion Ratio Lower Upper
96 100
61 0.0 102.1 153.1#
98 0.0 50.1 75.1#



#23
Vinyl Acetate
Concen: 21.451 ug/l
RT: 6.308 min Scan# 746
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

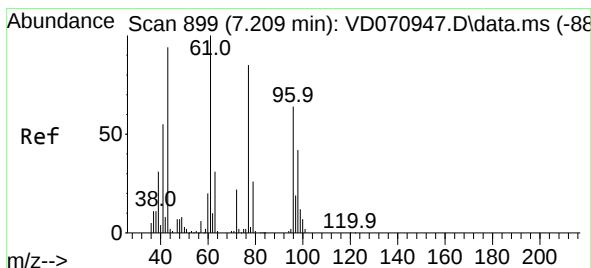
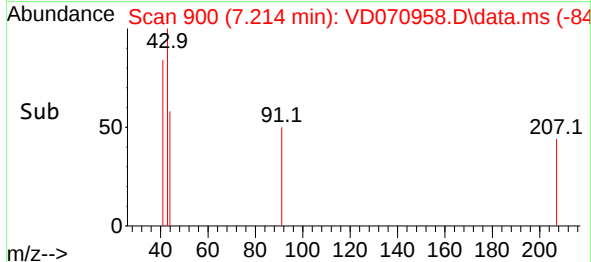
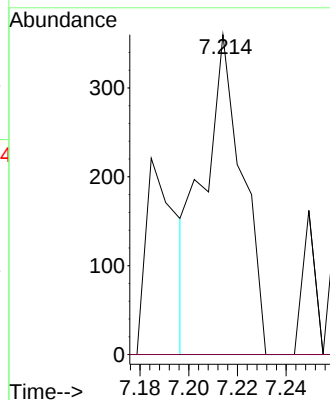
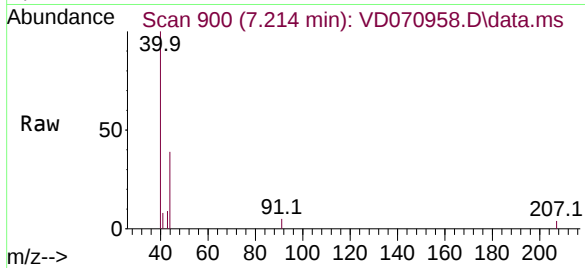




#25
2-Butanone
Concen: 36.221 ug/l
RT: 7.214 min Scan# 90
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

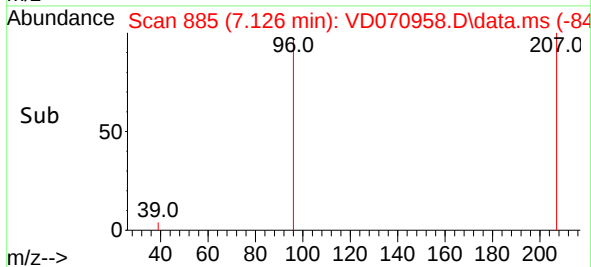
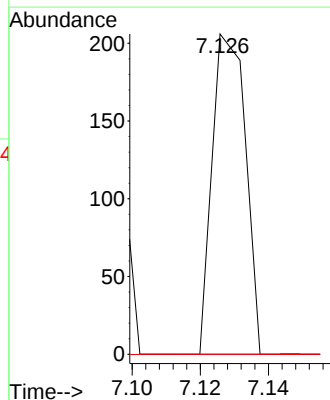
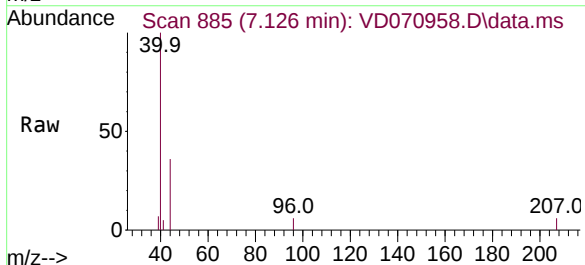
Instrument :
MSVOA_D
ClientSampleId :

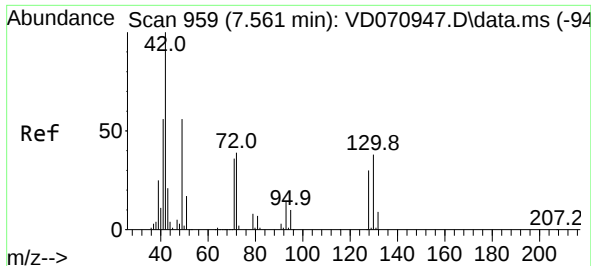
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#27
cis-1,2-Dichloroethene
Concen: 1.791 ug/l
RT: 7.126 min Scan# 885
Delta R.T. -0.083 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 96 Resp: 139
Ion Ratio Lower Upper
96 100
61 0.0 0.0 288.6
98 0.0 0.0 129.2





#29

Tetrahydrofuran

Concen: 13.711 ug/l

RT: 7.555 min Scan# 91

Delta R.T. -0.006 min

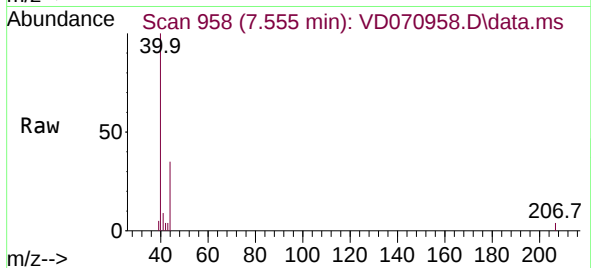
Lab File: VD070958.D

Acq: 09 Nov 2021 19:10

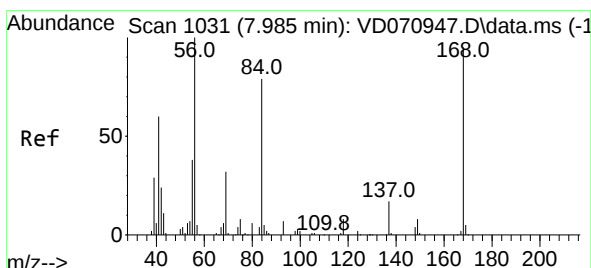
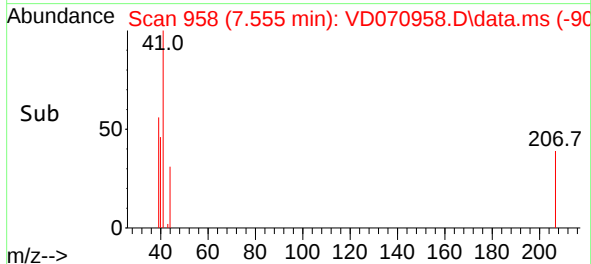
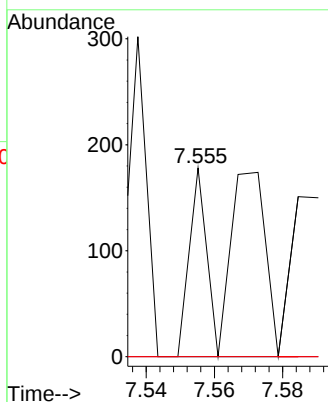
Instrument :

MSVOA_D

ClientSampleId :



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: 1.347 ug/l

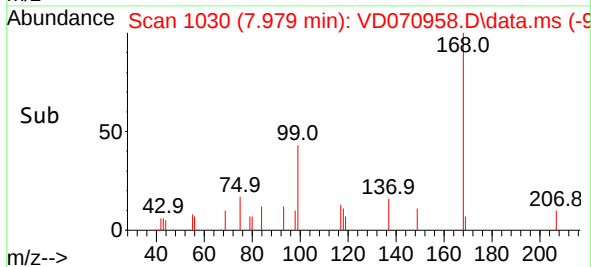
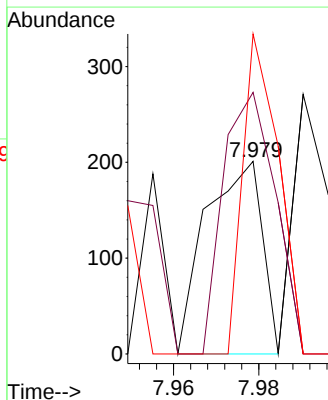
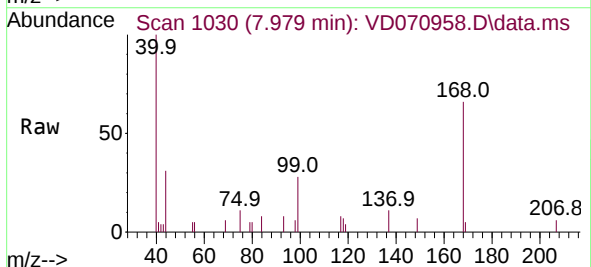
RT: 7.979 min Scan# 1030

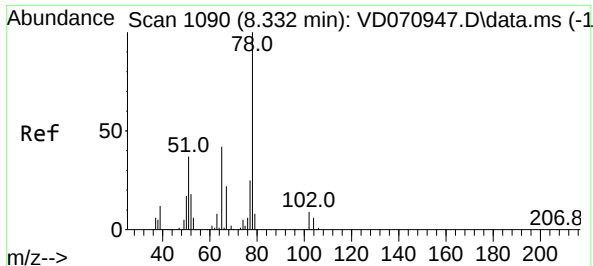
Delta R.T. -0.006 min

Lab File: VD070958.D

Acq: 09 Nov 2021 19:10

Tgt Ion:	56	Resp:	184
Ion Ratio	Lower	Upper	
56	100		
69	57.2	25.9	38.9#
84	166.2	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 79.285 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD070958.D

Acq: 09 Nov 2021 19:10

Instrument :

MSVOA_D

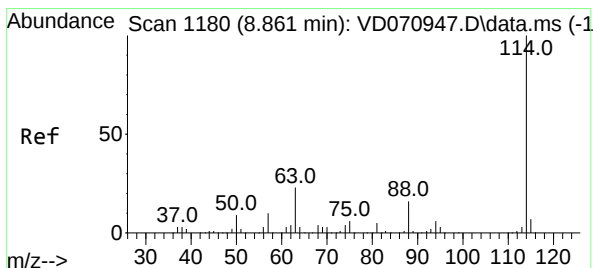
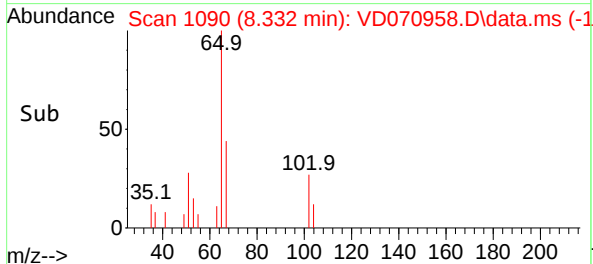
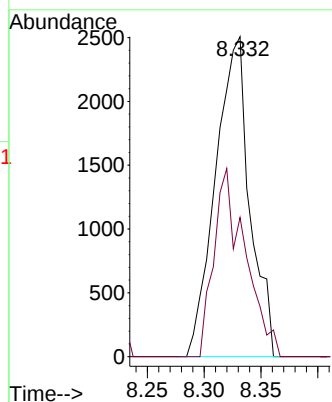
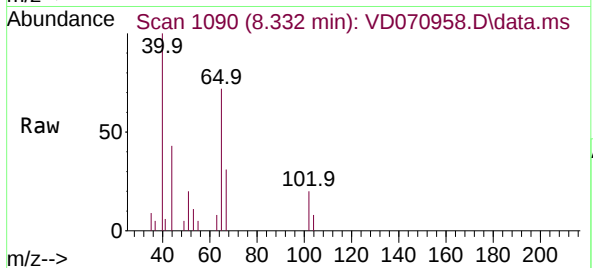
ClientSampleId :

Tgt Ion: 65 Resp: 5265

Ion Ratio Lower Upper

65 100

67 53.7 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: VD070958.D

Acq: 09 Nov 2021 19:10

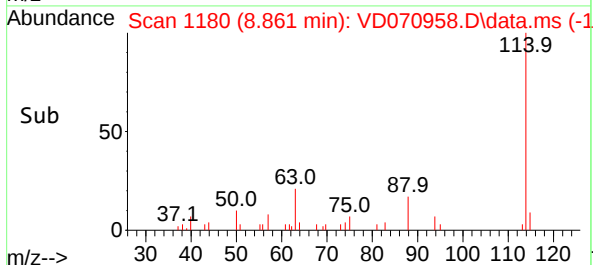
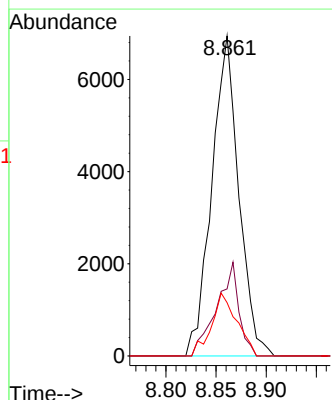
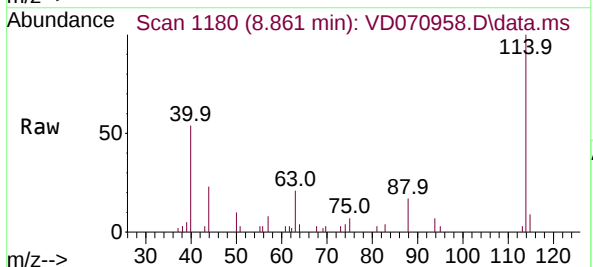
Tgt Ion: 114 Resp: 13022

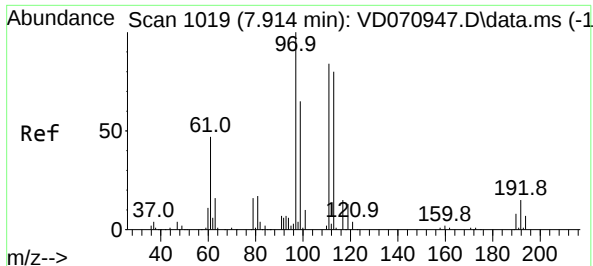
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 41.698 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

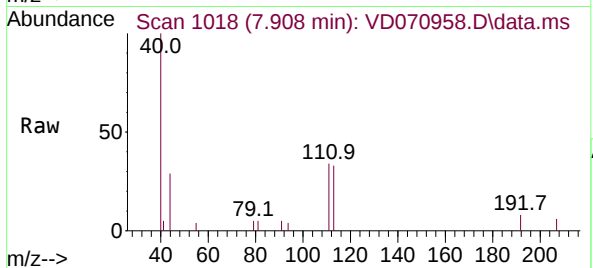
Lab File: VD070958.D

Acq: 09 Nov 2021 19:10

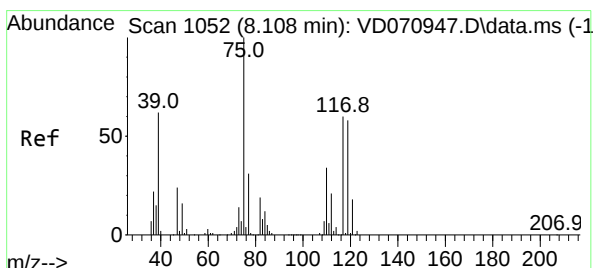
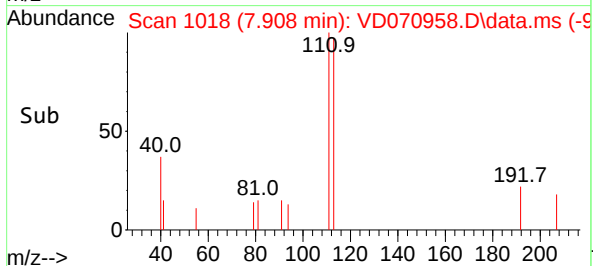
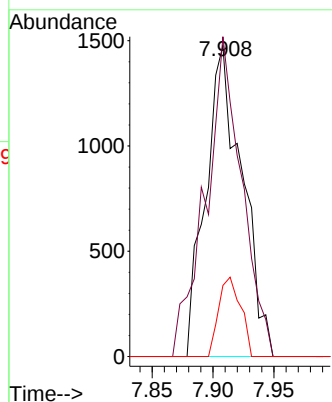
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	3064
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.0	123.0
192	15.5	15.2	22.8



#36

1,1-Dichloropropene

Concen: 5.057 ug/l

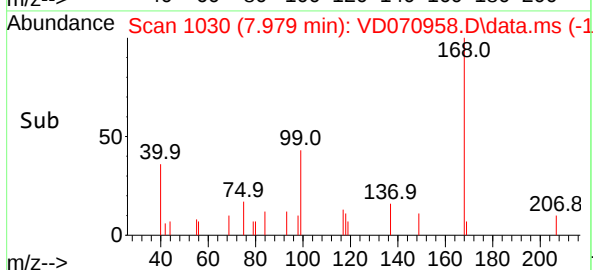
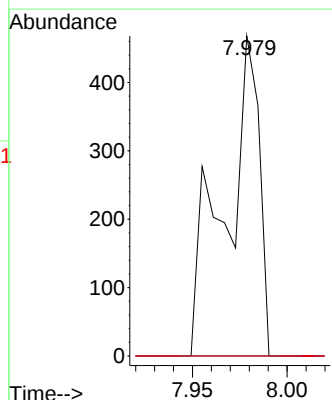
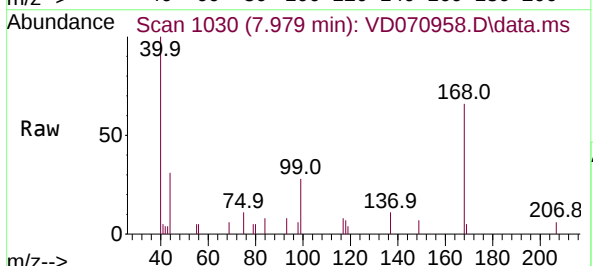
RT: 7.979 min Scan# 1030

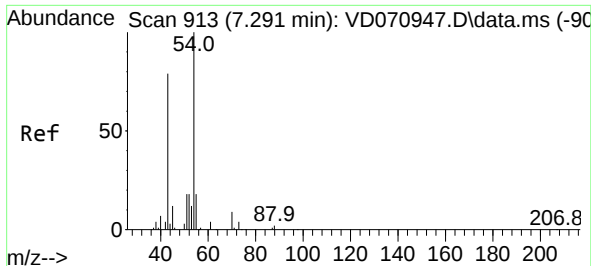
Delta R.T. -0.129 min

Lab File: VD070958.D

Acq: 09 Nov 2021 19:10

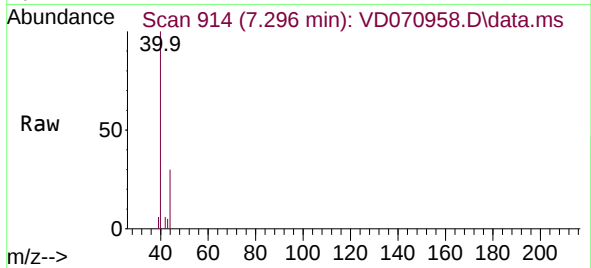
Tgt Ion:	75	Resp:	588
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#



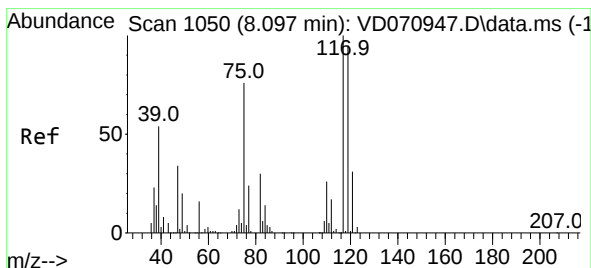
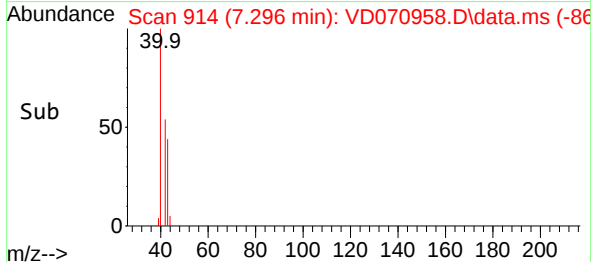
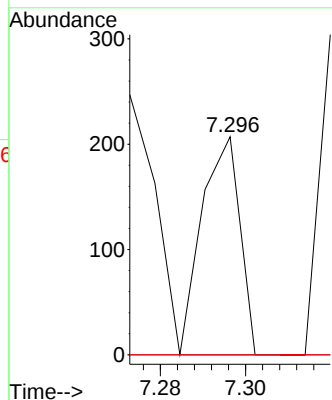


#37
Ethyl Acetate
Concen: 2.413 ug/l
RT: 7.296 min Scan# 913
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :

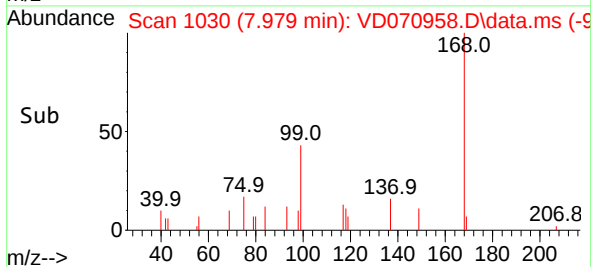
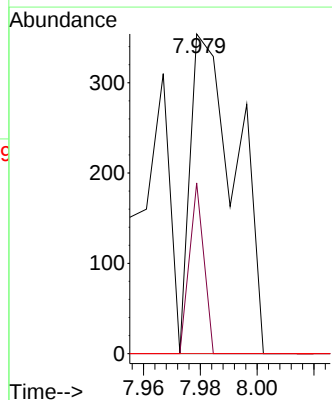
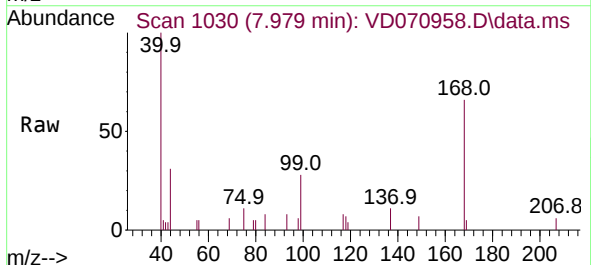


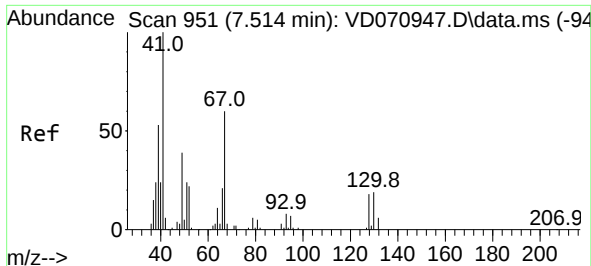
Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 3.699 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

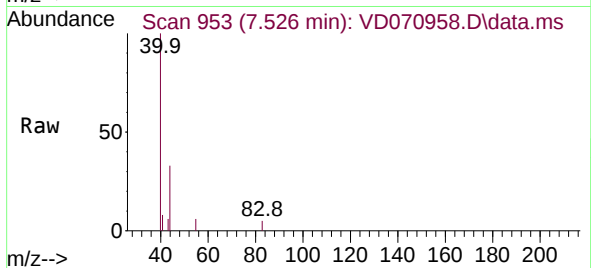
Tgt Ion: 117 Resp: 396
Ion Ratio Lower Upper
117 100
119 53.4 75.8 113.6#
121 0.0 23.6 35.4#



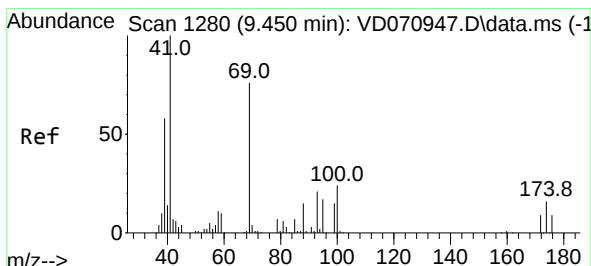
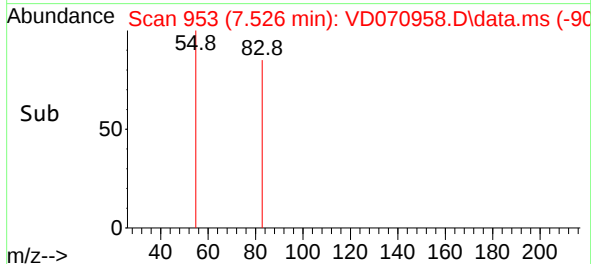
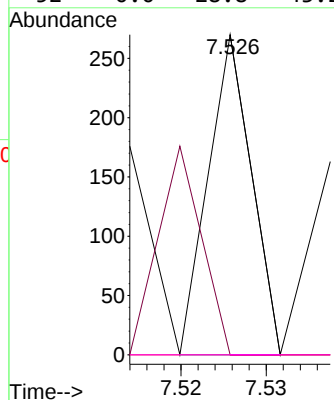


#41
Methacrylonitrile
Concen: 5.767 ug/l
RT: 7.526 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :

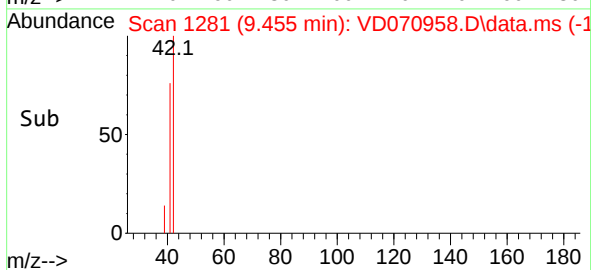
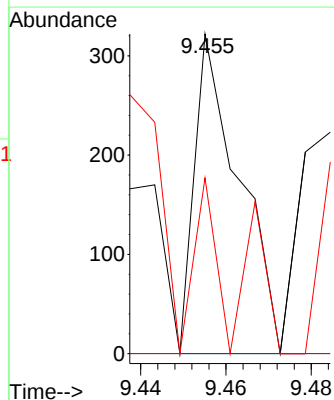
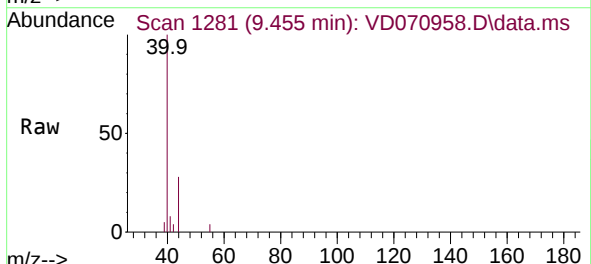


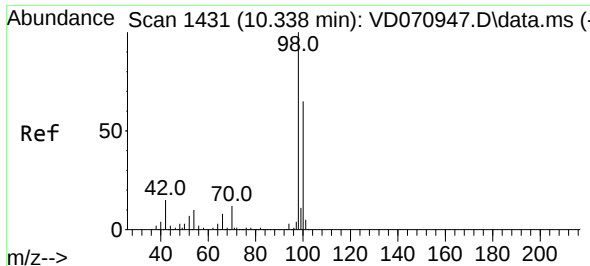
Tgt Ion:	41	Resp:	95
Ion	Ratio	Lower	Upper
41	100		
39	65.3	60.2	90.4
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#



#48
Methyl methacrylate
Concen: 4.249 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion:	41	Resp:	234
Ion	Ratio	Lower	Upper
41	100		
69	0.0	69.8	104.6#
39	74.8	35.6	53.4#

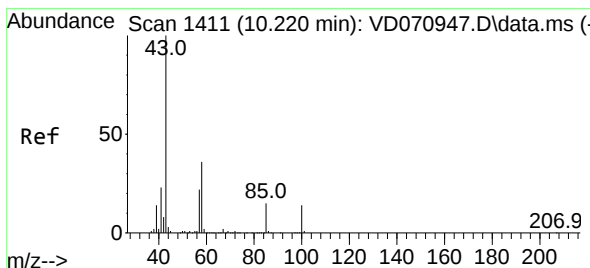
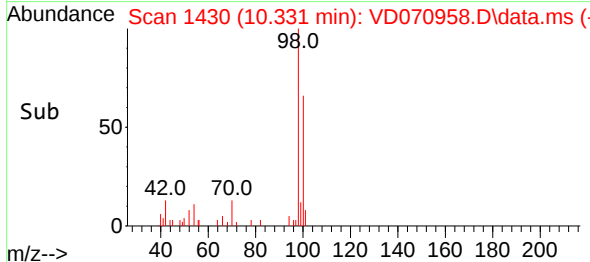
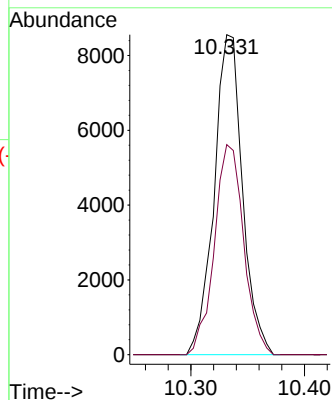
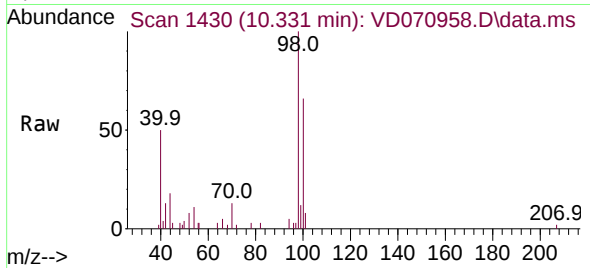




#50
Toluene-d8
Concen: 51.576 ug/l
RT: 10.331 min Scan# 1431
Delta R.T. -0.007 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

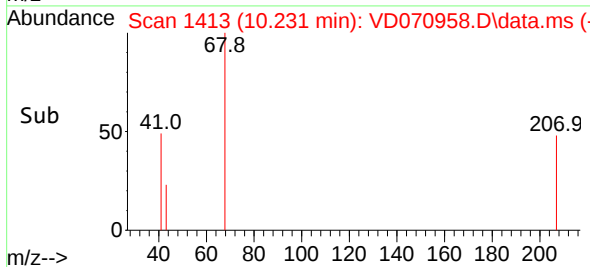
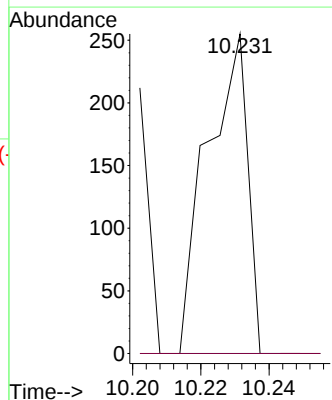
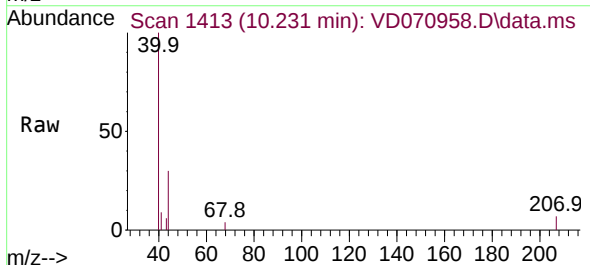
Instrument :
MSVOA_D
ClientSampleId :

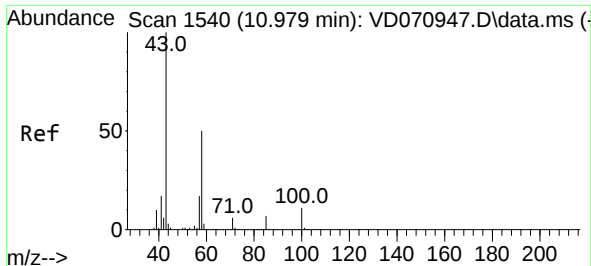
Tgt Ion: 98 Resp: 14842
Ion Ratio Lower Upper
98 100
100 67.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 3.858 ug/l
RT: 10.231 min Scan# 1413
Delta R.T. 0.011 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

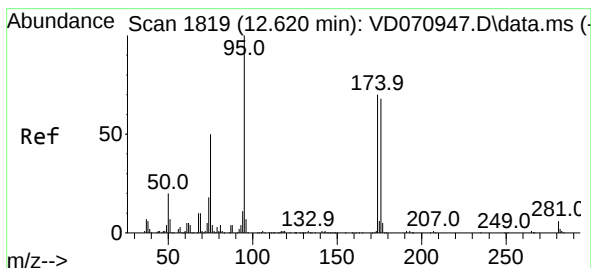
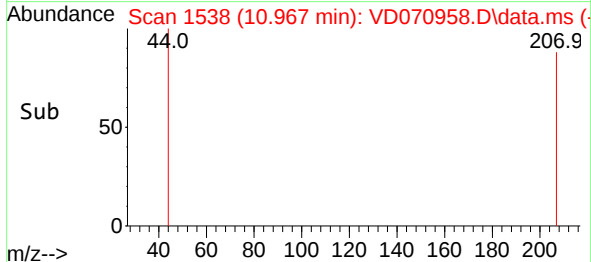
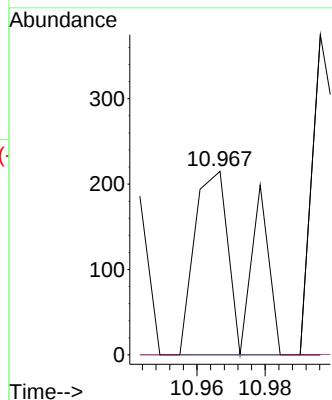
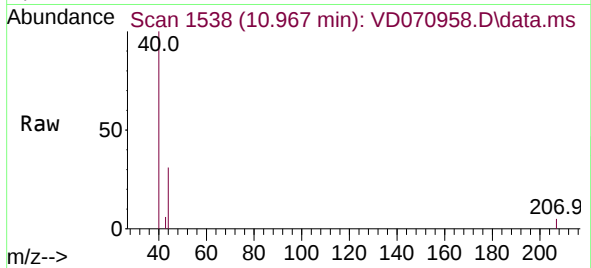




#59
2-Hexanone
Concen: 20.664 ug/l
RT: 10.967 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

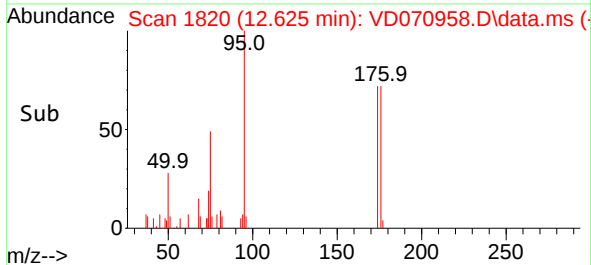
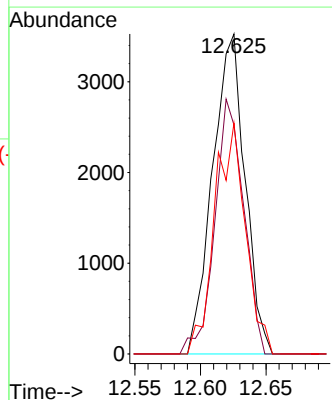
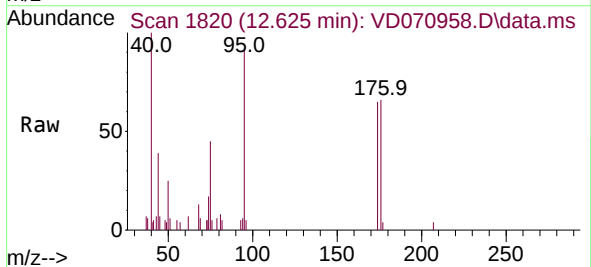
Instrument :
MSVOA_D
ClientSampleId :

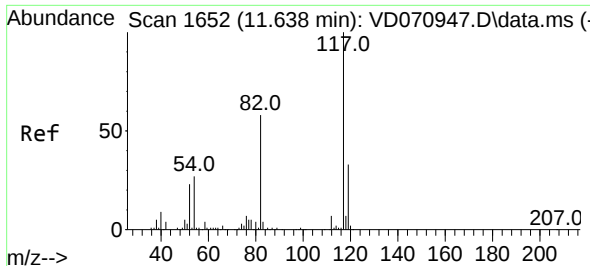
Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 58.467 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

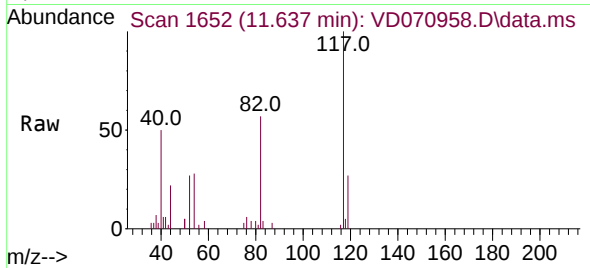
Tgt Ion: 95 Resp: 6058
Ion Ratio Lower Upper
95 100
174 71.0 0.0 159.4
176 68.7 0.0 154.0



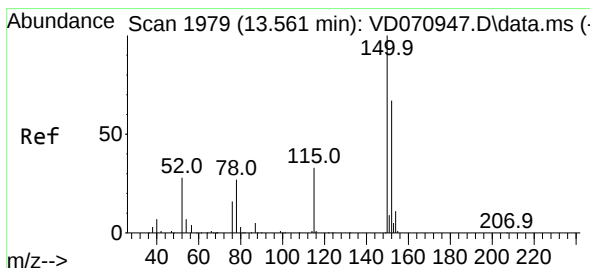
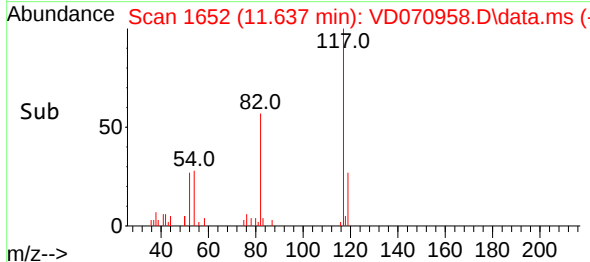
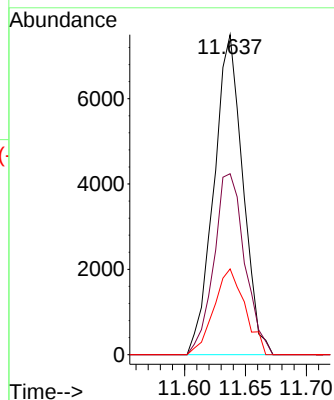


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :

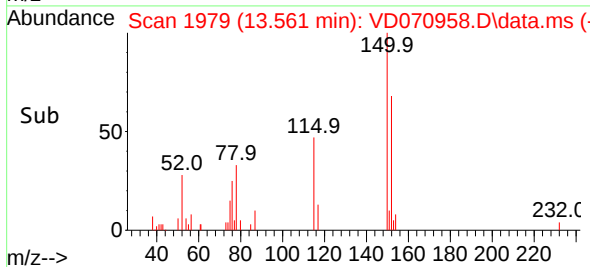
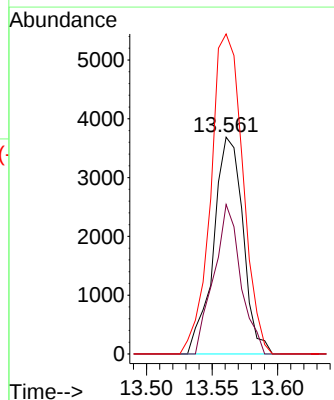
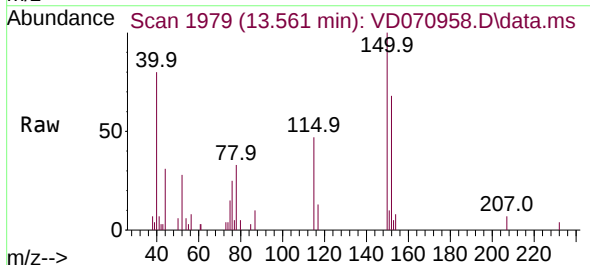


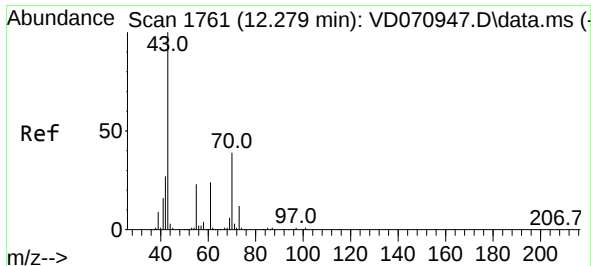
Tgt Ion:	117	Resp:	12388
Ion Ratio	Lower	Upper	
117	100		
82	56.5	44.7	67.1
119	26.8	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

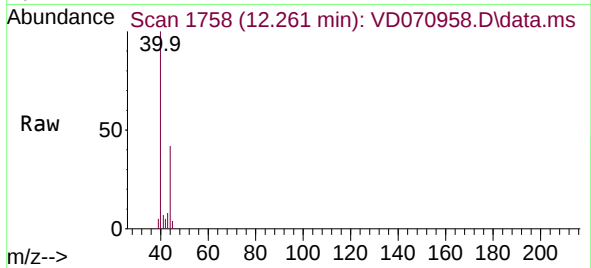
Tgt Ion:	152	Resp:	5759
Ion Ratio	Lower	Upper	
152	100		
115	62.7	29.8	89.3
150	160.9	0.0	349.2



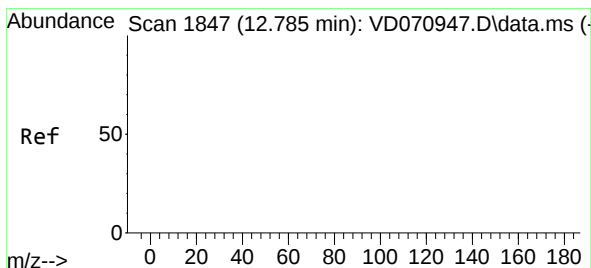
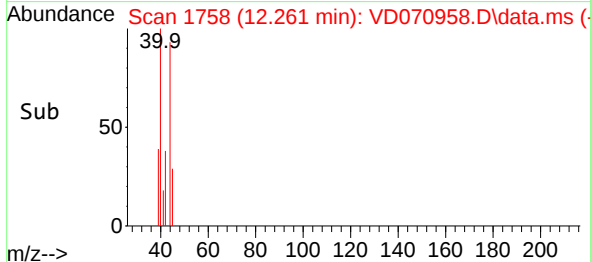
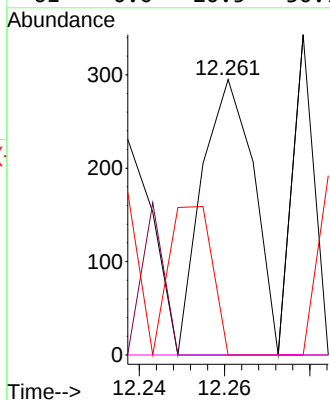


#74
N-amy1 acetate
Concen: 2.101 ug/l
RT: 12.261 min Scan# 1819
Delta R.T. -0.018 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :

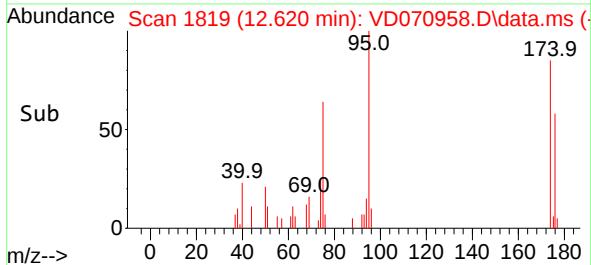
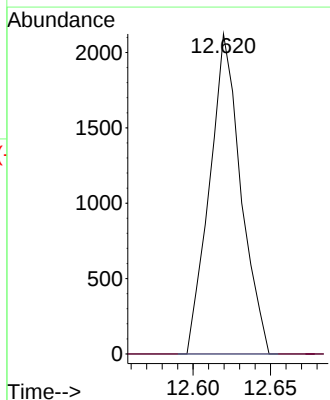
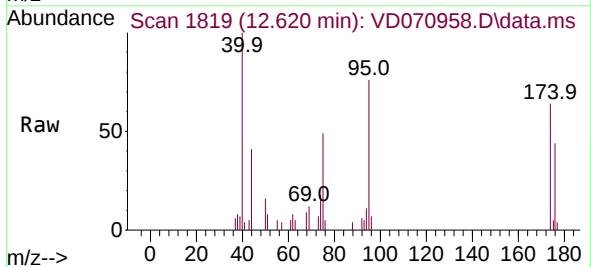


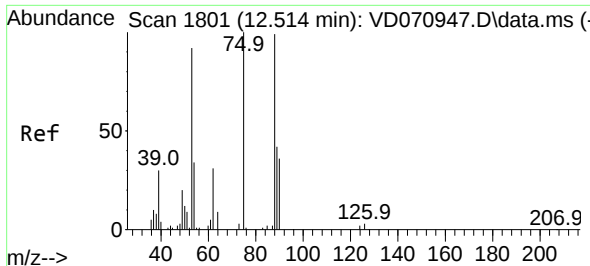
Tgt Ion: 43	Resp: 249
Ion Ratio	Lower Upper
43	100
70	0.0 36.6 55.0#
55	45.0 22.5 33.7#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 60.618 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

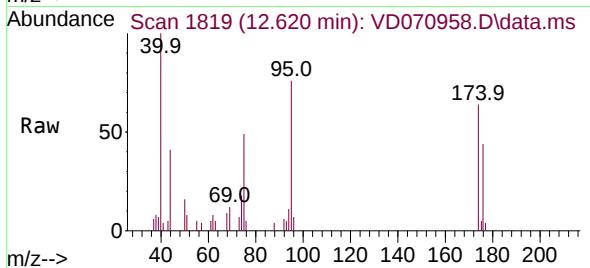
Tgt Ion: 75	Resp: 2982
Ion Ratio	Lower Upper
75	100
77	0.0 158.4 475.3#



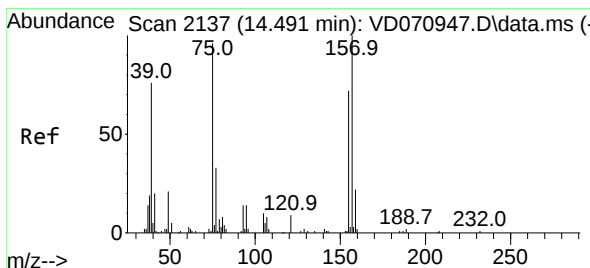
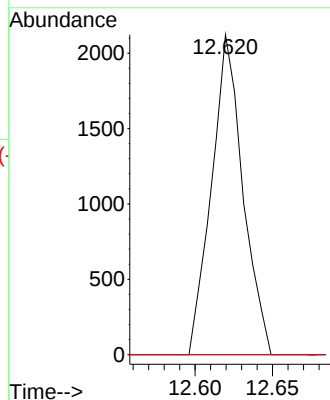
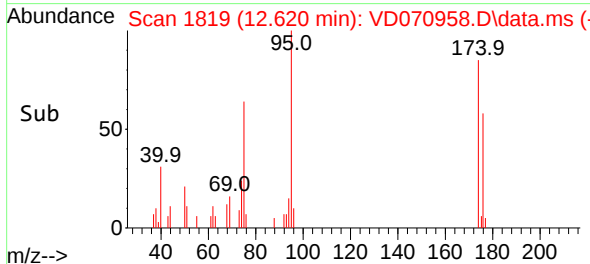


#81
trans-1,4-Dichloro-2-butene
Concen: 112.289 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 2982
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: 5.977 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

