

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071258.D
 Acq On : 10 Dec 2021 18:15
 Operator : VA/SY
 Sample : M5018-19
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 04:42:08 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)

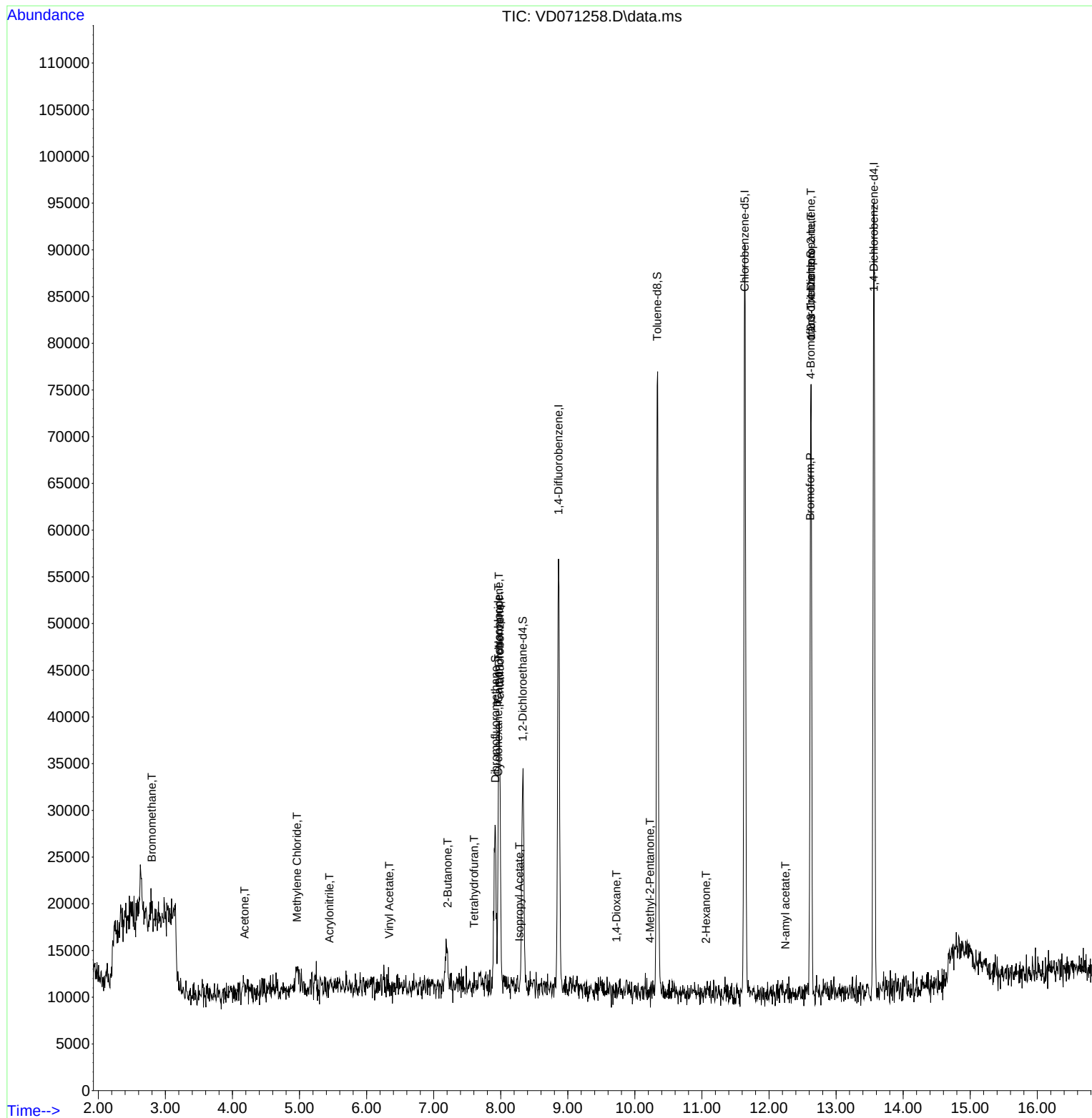
Internal Standards						
1) Pentafluorobenzene	7.985	168	20740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	36126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	41531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	20623	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	18214	74.84	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.68%	
35) Dibromofluoromethane	7.920	113	11513	50.05	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.10%	
50) Toluene-d8	10.332	98	43067	49.19	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.38%	
62) 4-Bromofluorobenzene	12.620	95	20425	67.31	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 134.62%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.797	94	216	1.15	ug/l #	3
11) Tert butyl alcohol	5.220	59	101	Below Cal	#	71
15) Acrylonitrile	5.444	53	56	1.20	ug/l #	19
16) Acetone	4.179	43	1533	51.60	ug/l #	40
20) Methylene Chloride	4.962	84	2054	4.57	ug/l #	72
23) Vinyl Acetate	6.338	43	137	27.53	ug/l #	72
25) 2-Butanone	7.209	43	125	29.84	ug/l #	1
29) Tetrahydrofuran	7.603	42	56	1.45	ug/l #	34
31) Cyclohexane	7.962	56	623	1.51	ug/l #	65
36) 1,1-Dichloropropene	7.973	75	2096	6.21	ug/l #	41
38) Carbon Tetrachloride	7.967	117	1185	3.56	ug/l #	12
41) Methacrylonitrile	7.503	41	152	Below Cal	#	37
43) Isopropyl Acetate	8.279	43	62	5.40	ug/l #	47
49) 1,4-Dioxane	9.726	88	58	48.02	ug/l #	1
51) 4-Methyl-2-Pentanone	10.226	43	128	31.33	ug/l #	34
59) 2-Hexanone	11.061	43	105	35.30	ug/l	100
71) Bromoform	12.614	173	240	1.65	ug/l #	1
74) N-amyl acetate	12.244	43	79	5.87	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	11430	58.17	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	11430	126.12	ug/l #	18

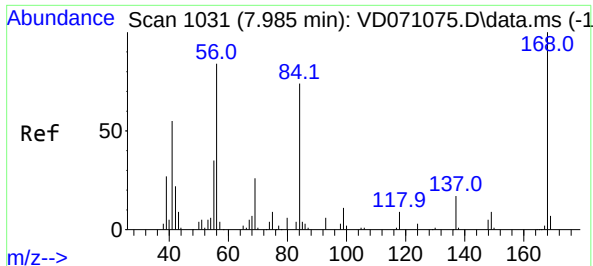
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071258.D
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Operator : VA/SY
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Misc : 5.09G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

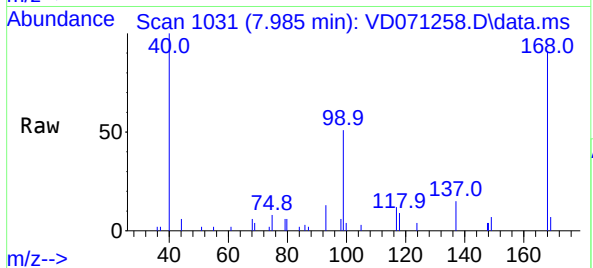
Quant Time: Dec 11 04:42:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



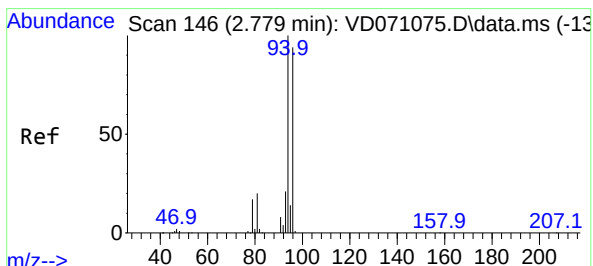
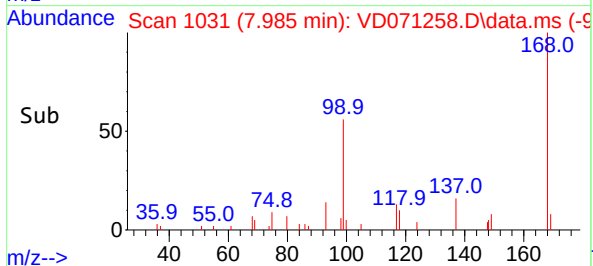
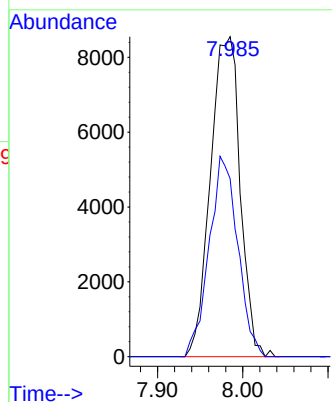


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Instrument :
MSVOA_D
ClientSampleId :

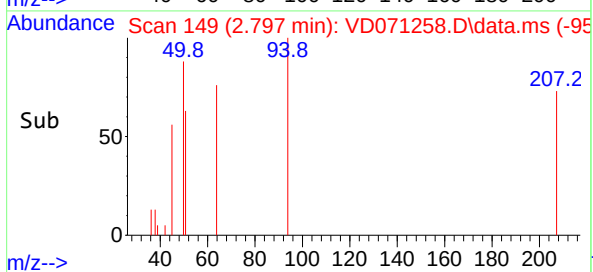
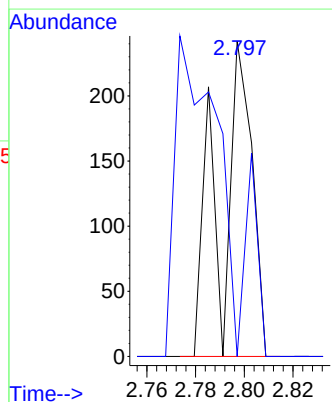
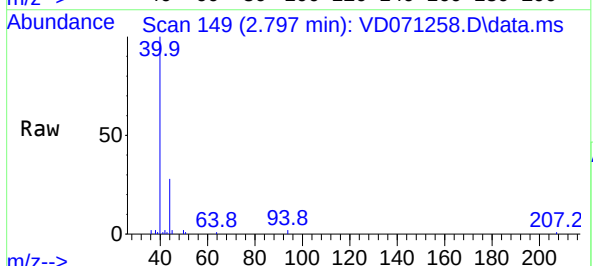


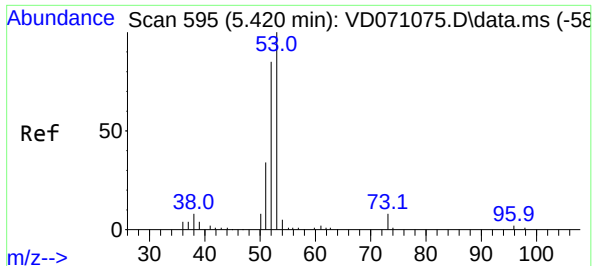
Tgt Ion:168 Resp: 20740
Ion Ratio Lower Upper
168 100
99 55.6 46.6 69.8



#5
Bromomethane
Concen: 1.15 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.018 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

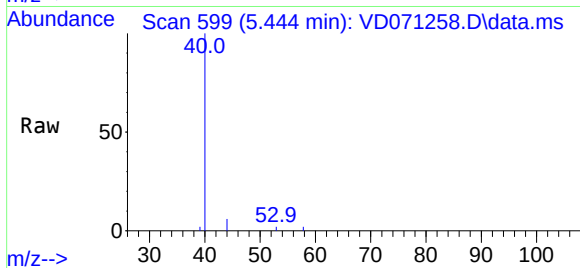
Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



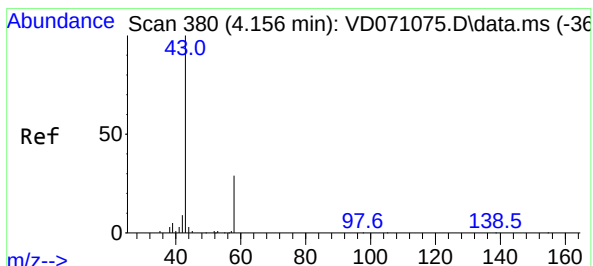
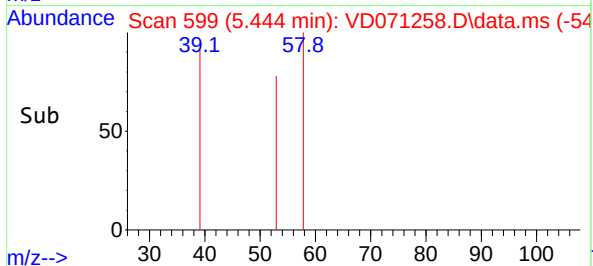
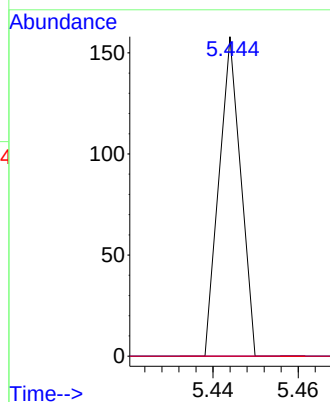


#15
Acrylonitrile
Concen: 1.20 ug/l
RT: 5.444 min Scan# 51
Delta R.T. 0.024 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Instrument :
MSVOA_D
ClientSampleId :

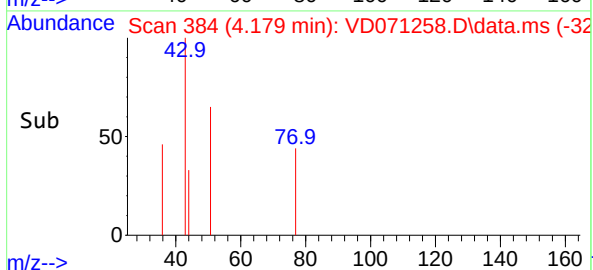
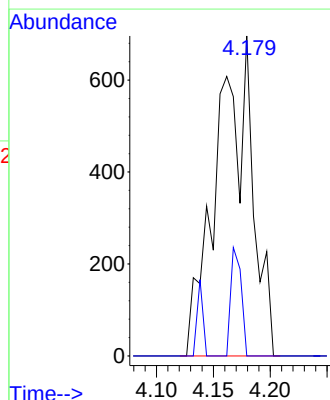
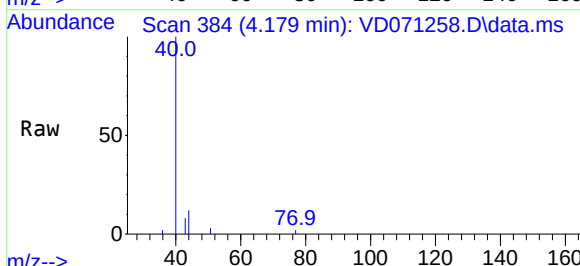


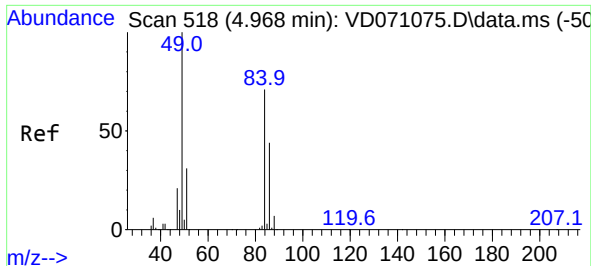
Tgt Ion: 53 Resp: 56
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 51.60 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.023 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

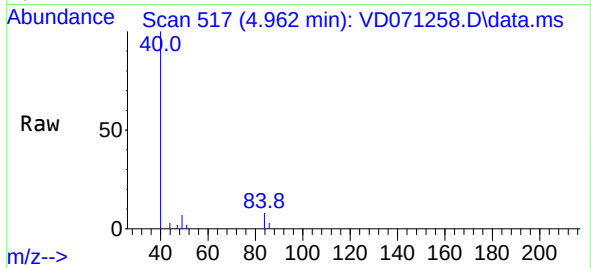
Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



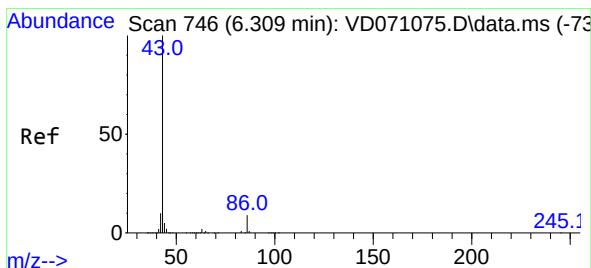
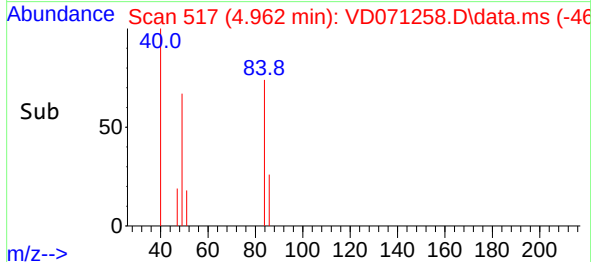
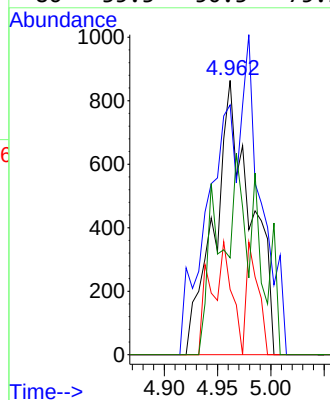


#20
Methylene Chloride
Concen: 4.57 ug/l
RT: 4.962 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Instrument :
MSVOA_D
ClientSampleId :

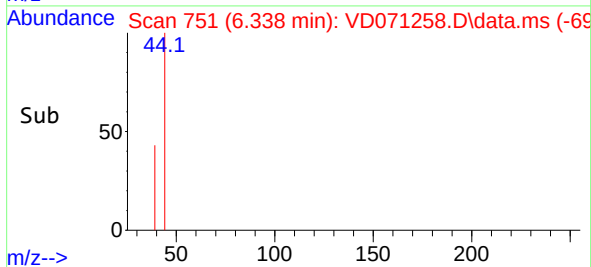
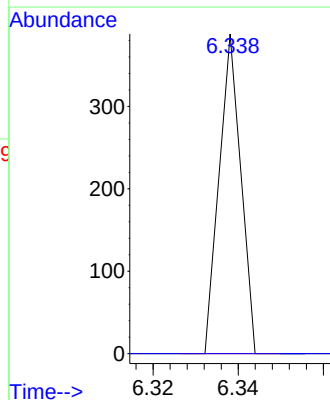
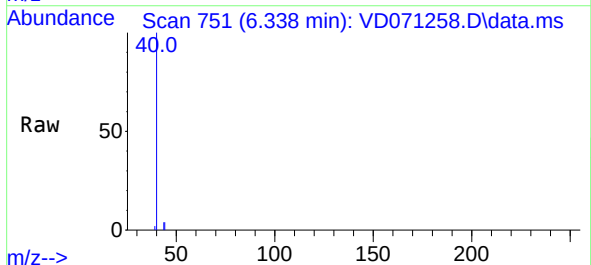


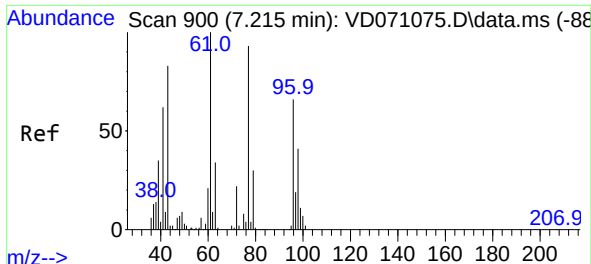
Tgt Ion: 84 Resp: 2054
Ion Ratio Lower Upper
84 100
49 91.1 95.8 143.6#
51 23.8 30.9 46.3#
86 35.3 50.3 75.5#



#23
Vinyl Acetate
Concen: 27.53 ug/l
RT: 6.338 min Scan# 751
Delta R.T. 0.029 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

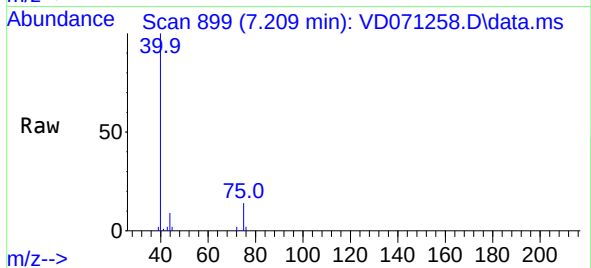
Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



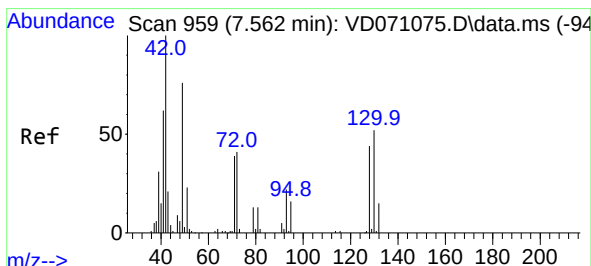
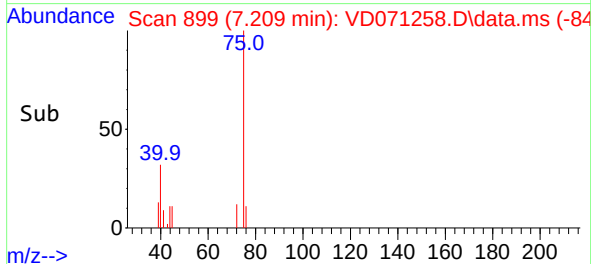
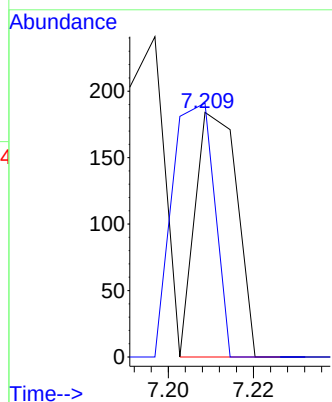


#25
2-Butanone
Concen: 29.84 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Instrument :
MSVOA_D
ClientSampleId :

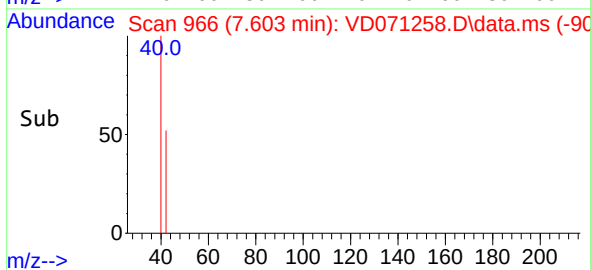
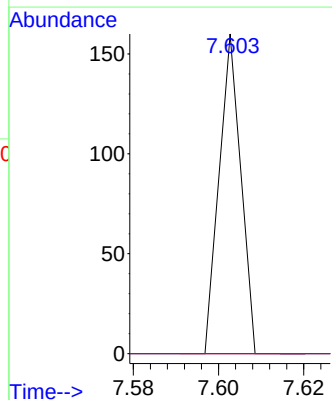
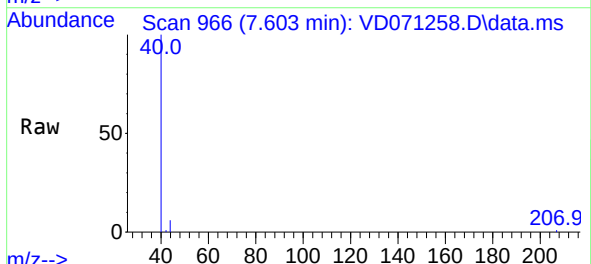


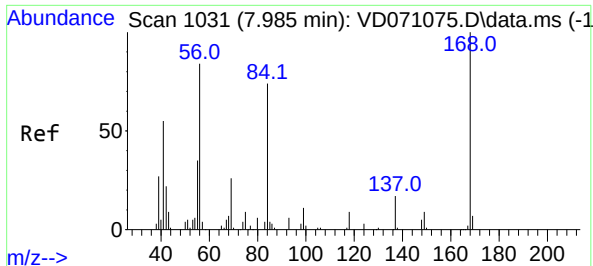
Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
72 103.8 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.45 ug/l
RT: 7.603 min Scan# 966
Delta R.T. 0.041 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

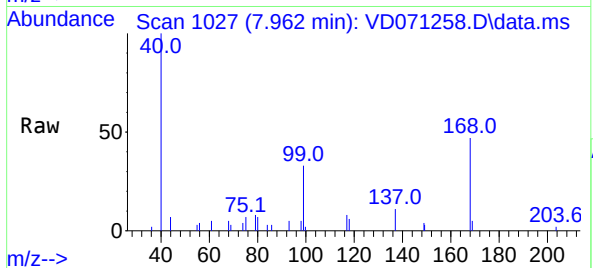
Tgt Ion: 42 Resp: 56
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



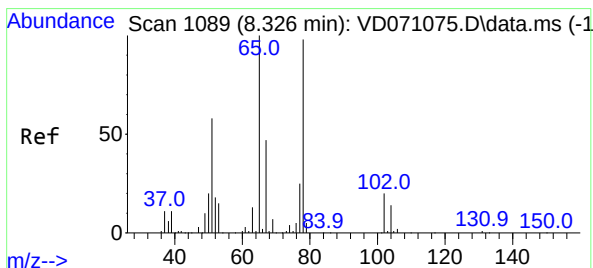
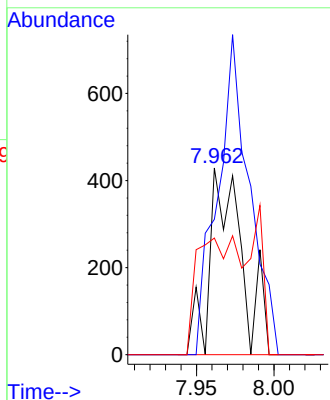
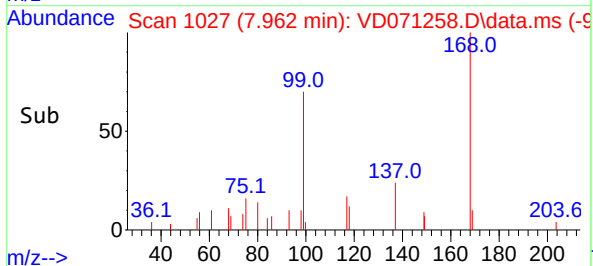


#31
Cyclohexane
Concen: 1.51 ug/l
RT: 7.962 min Scan# 1027
Delta R.T. -0.024 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Instrument :
MSVOA_D
ClientSampleId :

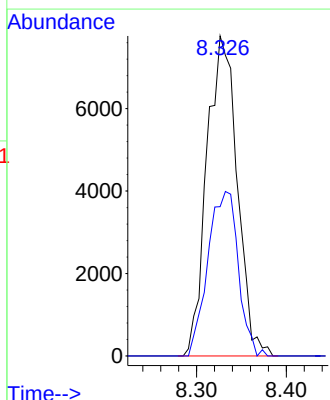
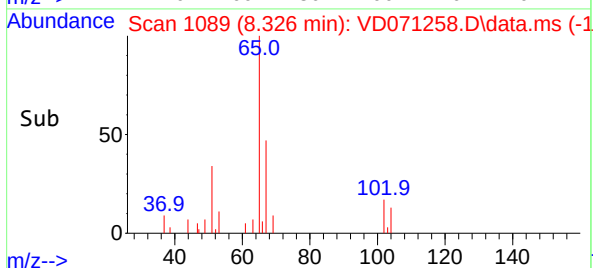
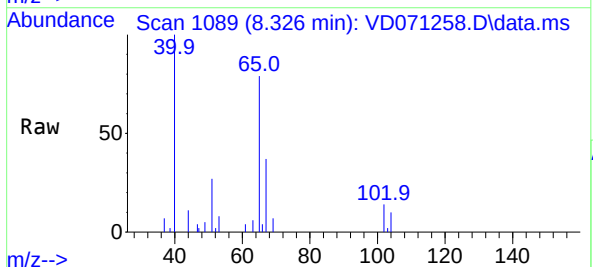


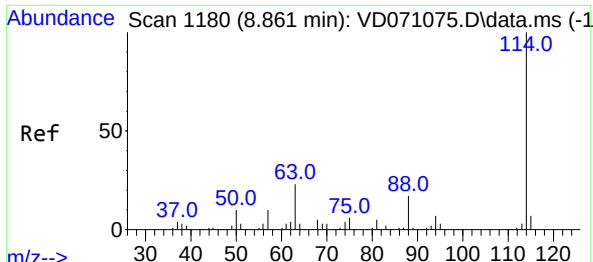
Tgt Ion: 56 Resp: 623
Ion Ratio Lower Upper
56 100
69 72.5 25.9 38.9#
84 62.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 74.84 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Tgt Ion: 65 Resp: 18214
Ion Ratio Lower Upper
65 100
67 51.4 0.0 112.2

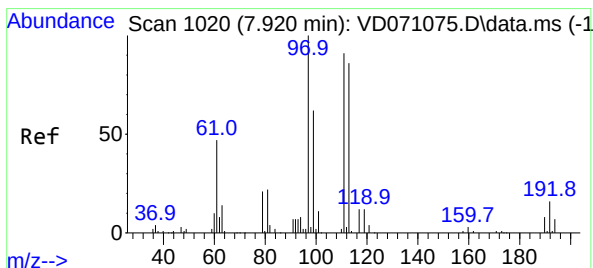
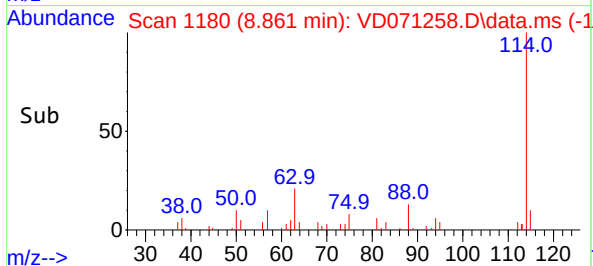
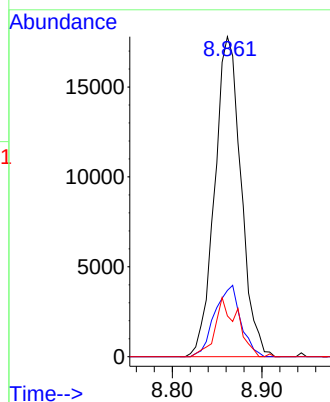
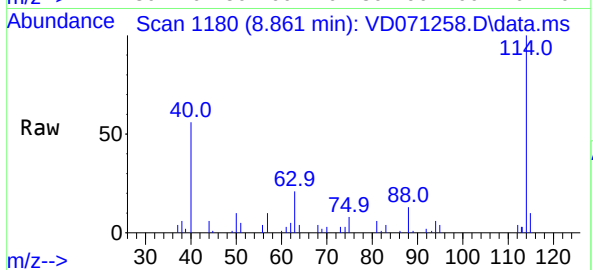




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

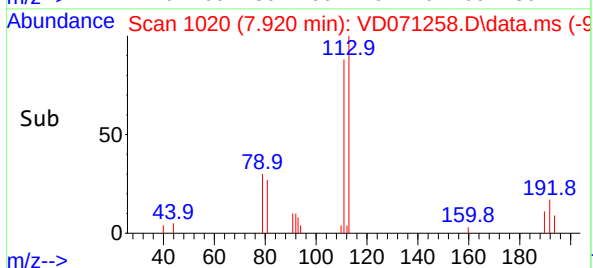
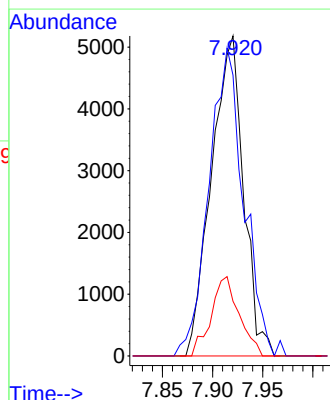
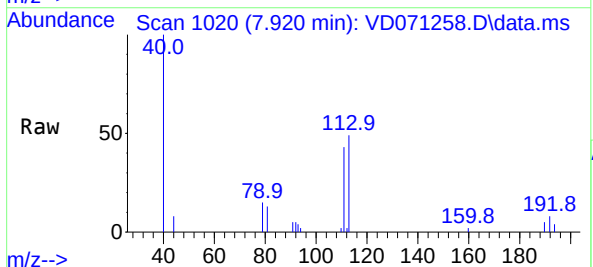
Instrument :
MSVOA_D
ClientSampleId :

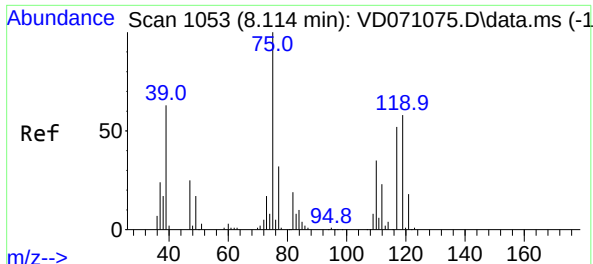
Tgt Ion:	114	Resp:	36126
Ion Ratio	Lower	Upper	
114	100		
63	20.7	0.0	41.8
88	12.8	0.0	32.8



#35
Dibromofluoromethane
Concen: 50.05 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Tgt Ion:	113	Resp:	11513
Ion Ratio	Lower	Upper	
113	100		
111	104.8	82.0	123.0
192	21.7	15.2	22.8





#36

1,1-Dichloropropene

Concen: 6.21 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

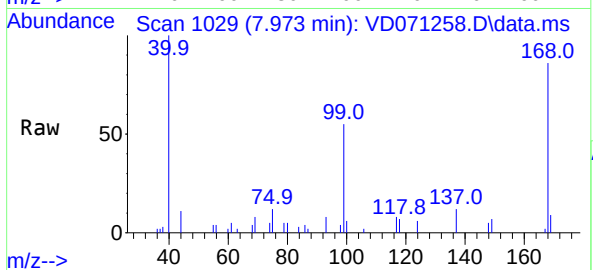
Lab File: VD071258.D

Acq: 10 Dec 2021 18:15

Instrument :

MSVOA_D

ClientSampleId :



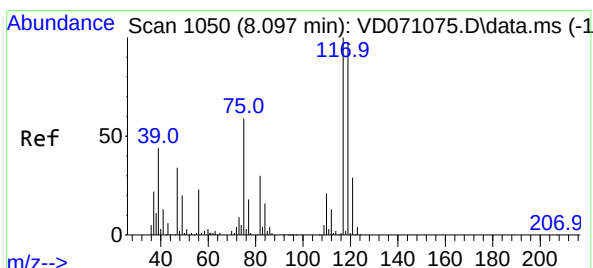
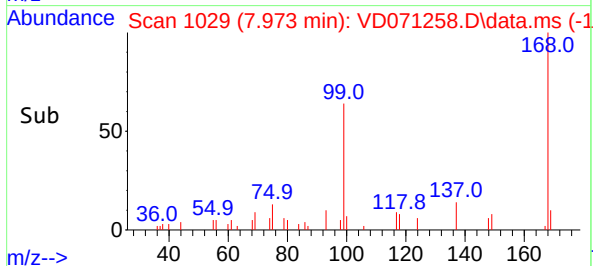
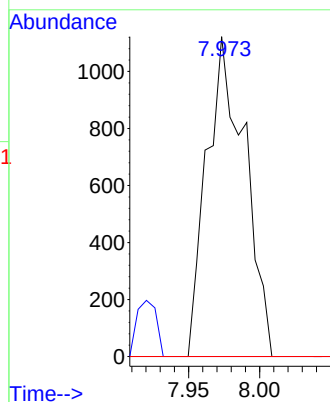
Tgt Ion: 75 Resp: 2096

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 3.56 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD071258.D

Acq: 10 Dec 2021 18:15

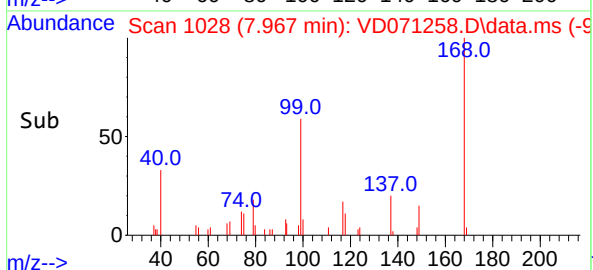
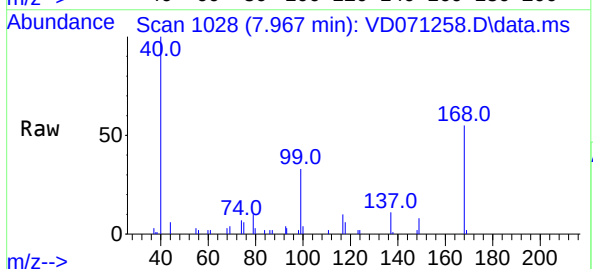
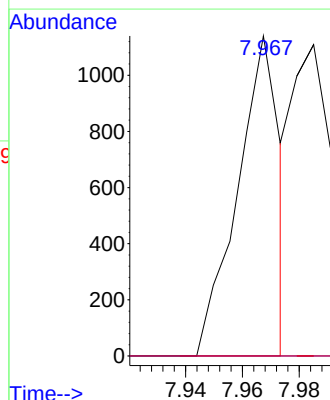
Tgt Ion: 117 Resp: 1185

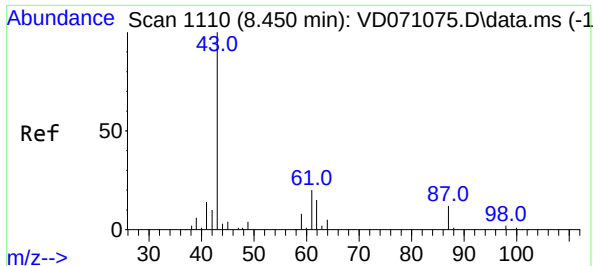
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 23.6 35.4#

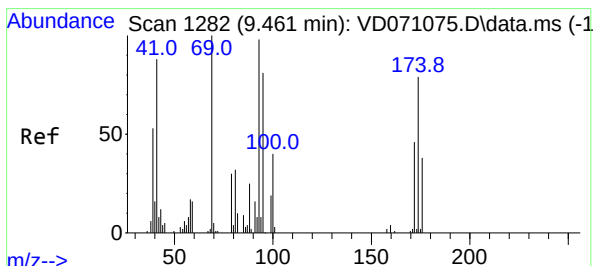
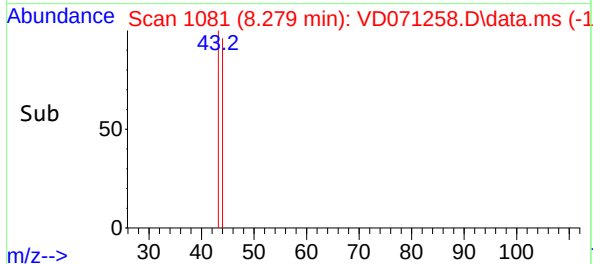
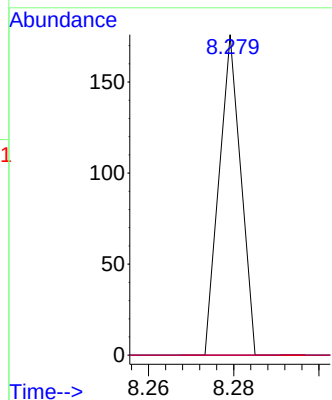
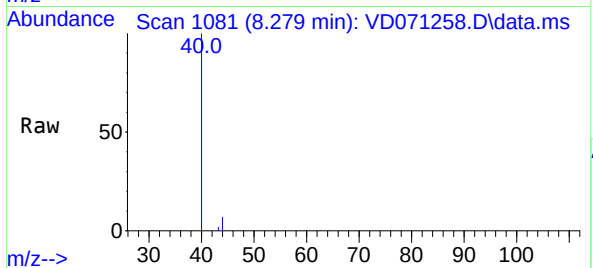




#43
Isopropyl Acetate
Concen: 5.40 ug/l
RT: 8.279 min Scan# 1081
Delta R.T. -0.171 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

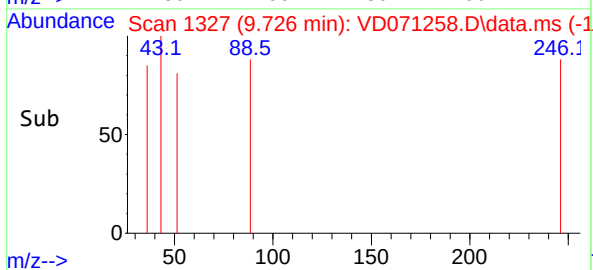
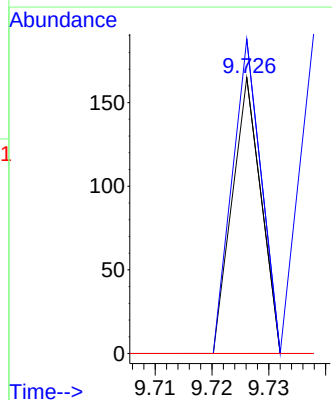
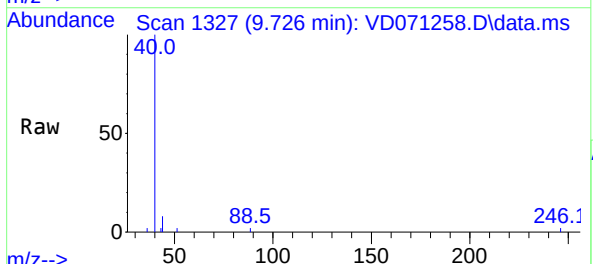
Instrument :
MSVOA_D
ClientSampleId :

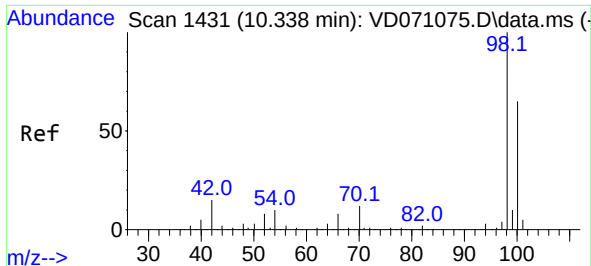
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#49
1,4-Dioxane
Concen: 48.02 ug/l
RT: 9.726 min Scan# 1327
Delta R.T. 0.265 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 113.8 28.9 43.3#
58 0.0 56.3 84.5#

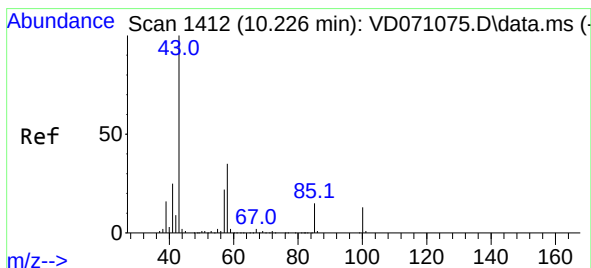
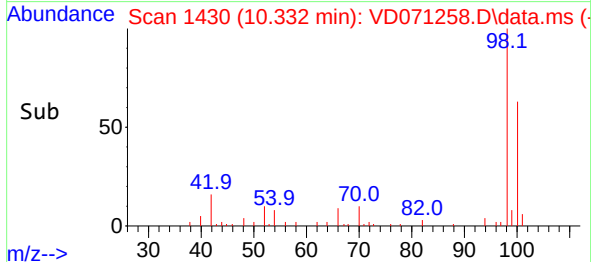
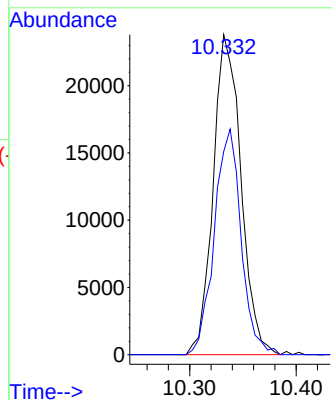
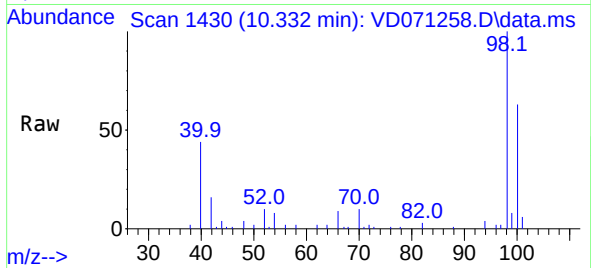




#50
Toluene-d8
Concen: 49.19 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

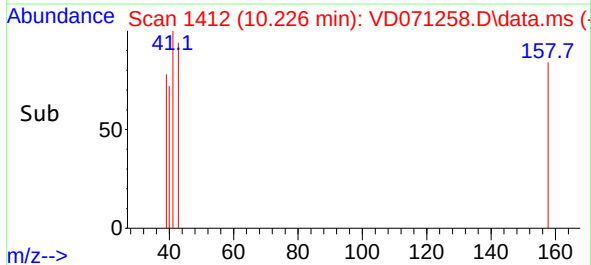
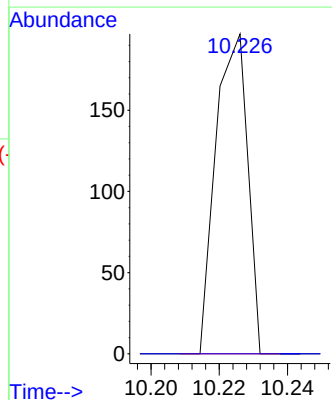
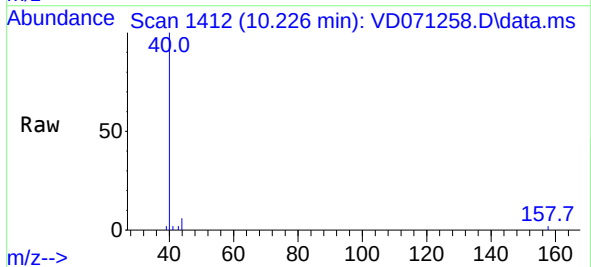
Instrument :
MSVOA_D
ClientSampleId :

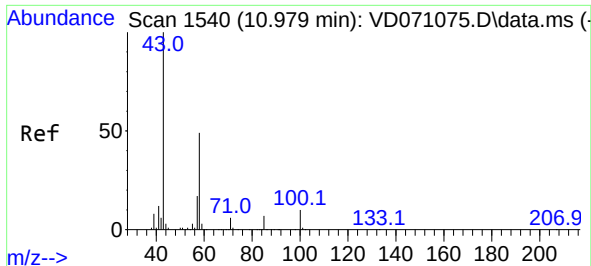
Tgt Ion: 98 Resp: 43067
Ion Ratio Lower Upper
98 100
100 68.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.33 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

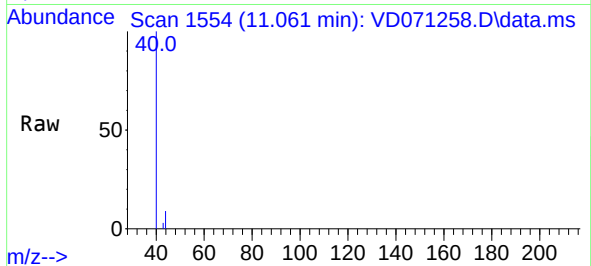
Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



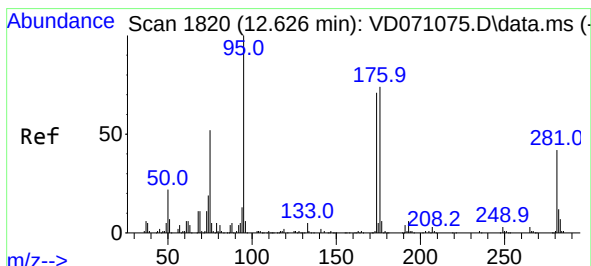
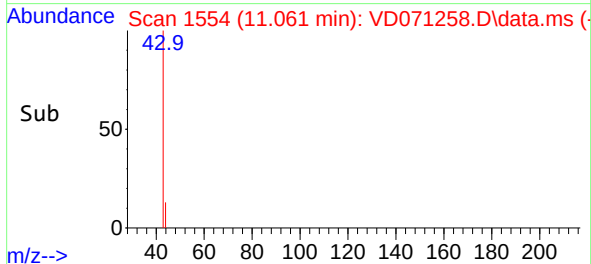
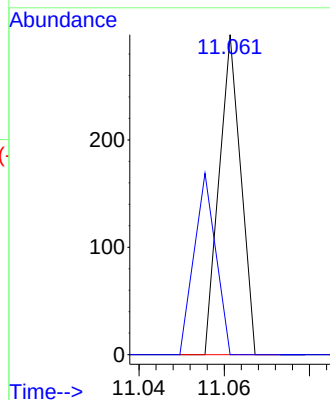


#59
2-Hexanone
Concen: 35.30 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.082 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Instrument :
MSVOA_D
ClientSampleId :

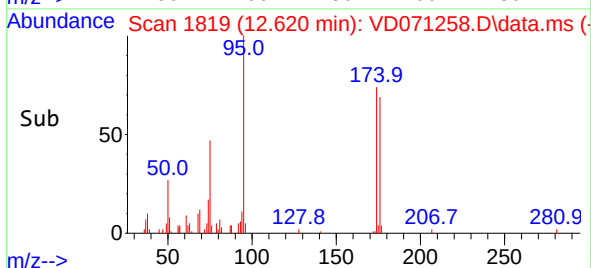
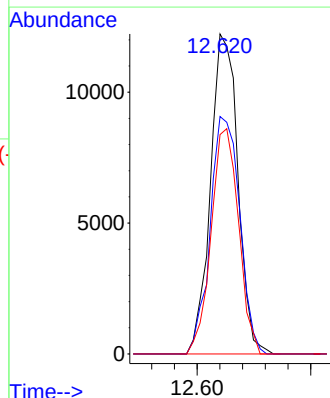
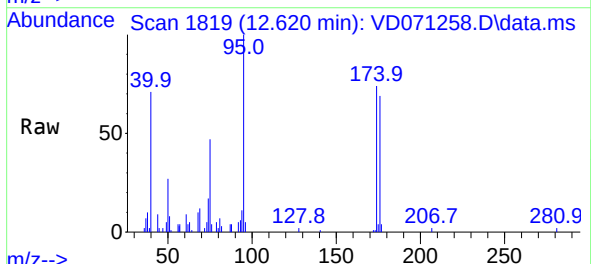


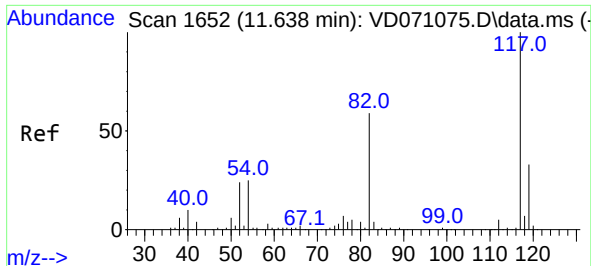
Tgt Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
58 57.1 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 67.31 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Tgt Ion: 95 Resp: 20425
Ion Ratio Lower Upper
95 100
174 80.0 0.0 159.4
176 70.7 0.0 154.0

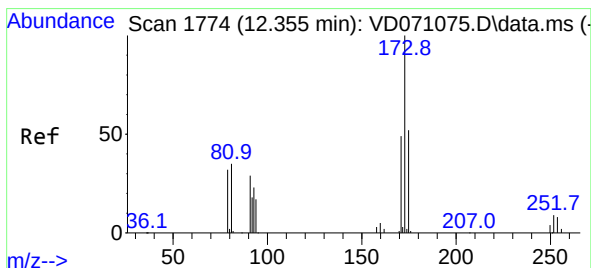
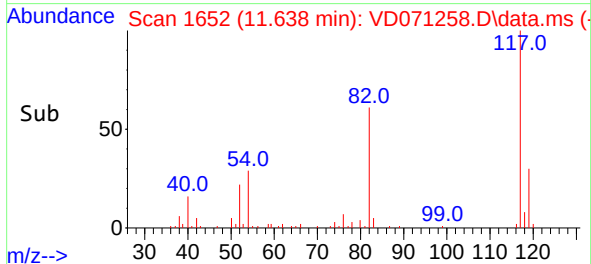
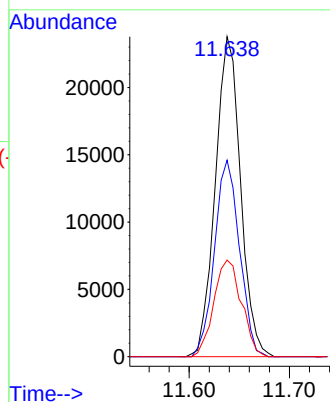
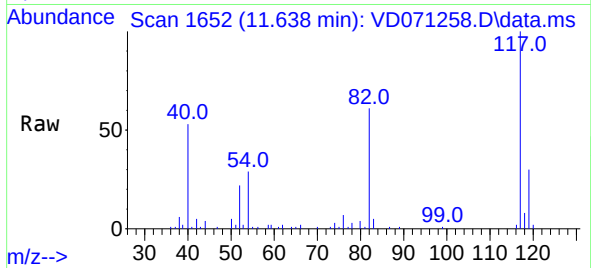




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

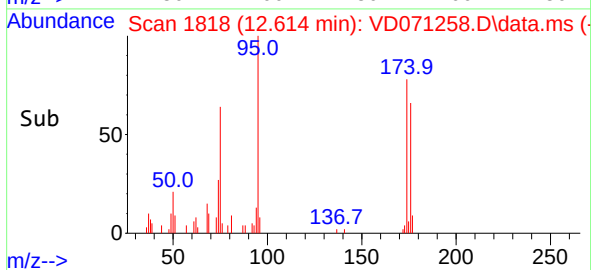
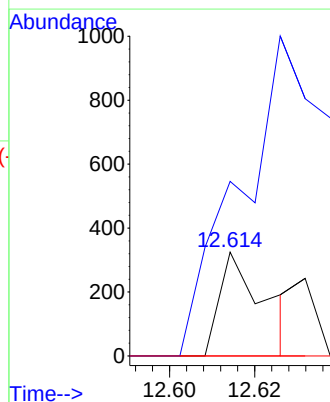
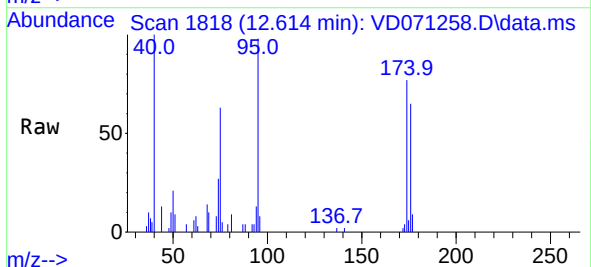
Instrument :
MSVOA_D
ClientSampleId :

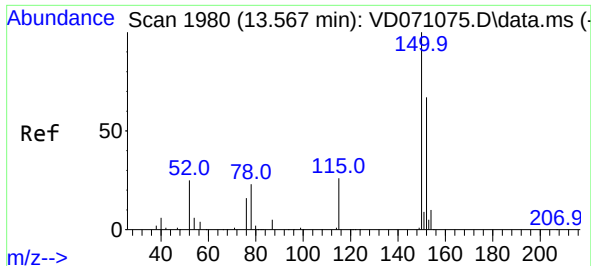
Tgt Ion:117 Resp: 41531
Ion Ratio Lower Upper
117 100
82 61.4 44.7 67.1
119 30.2 26.2 39.4



#71
Bromoform
Concen: 1.65 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.259 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Tgt Ion:173 Resp: 240
Ion Ratio Lower Upper
173 100
175 466.2 24.1 72.2#
254 0.0 0.1 0.1#

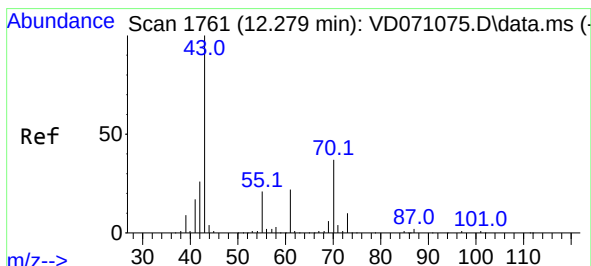
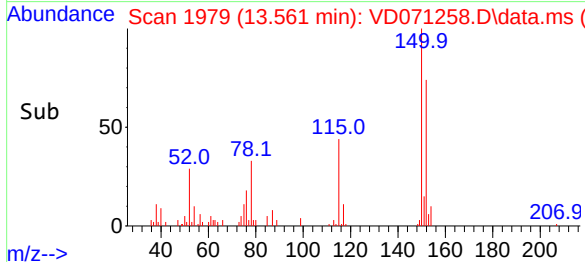
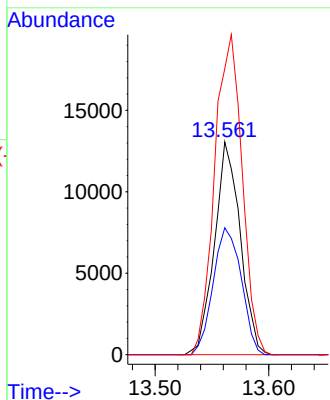
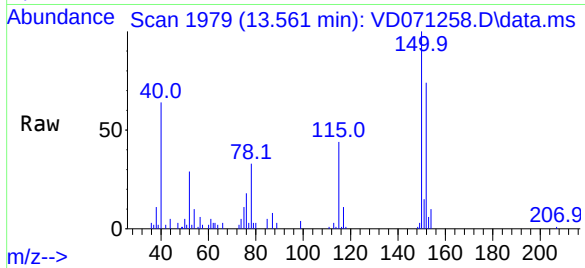




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

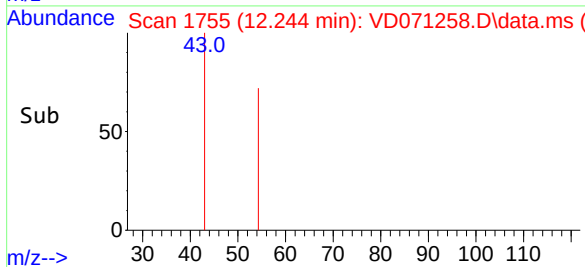
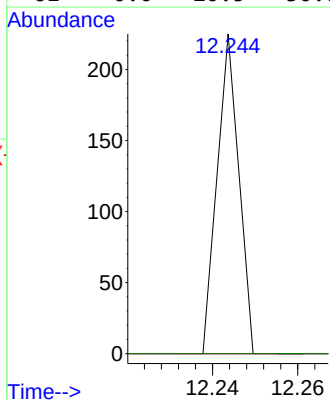
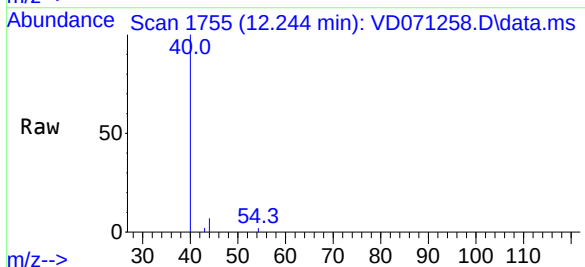
Instrument :
MSVOA_D
ClientSampleId :

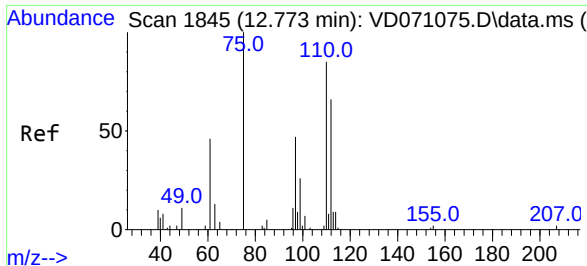
Tgt Ion:152 Resp: 20623
Ion Ratio Lower Upper
152 100
115 65.0 29.8 89.3
150 160.6 0.0 349.2



#74
N-ethyl acetate
Concen: 5.87 ug/l
RT: 12.244 min Scan# 1755
Delta R.T. -0.035 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Tgt Ion: 43 Resp: 79
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#

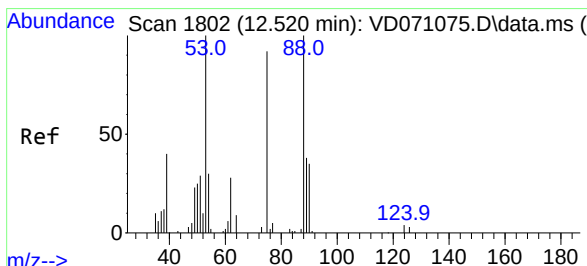
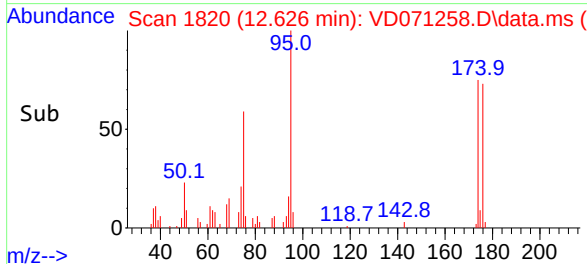
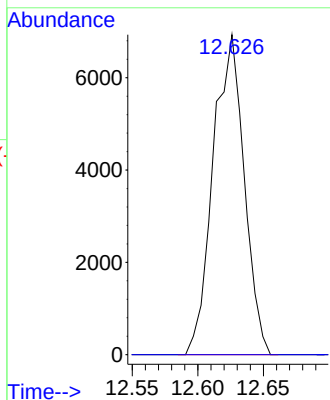
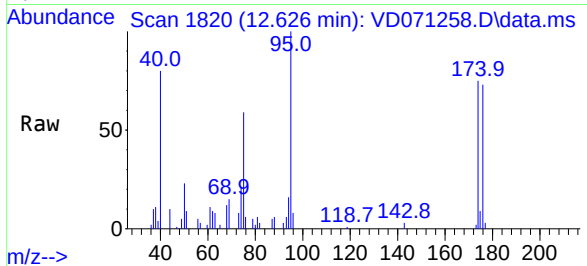




#76
1,2,3-Trichloropropane
Concen: 58.17 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 11430
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.12 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071258.D
Acq: 10 Dec 2021 18:15

Tgt Ion: 75 Resp: 11430
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

