

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
 Data File : VD071393.D
 Acq On : 20 Dec 2021 17:24
 Operator : VA/SY
 Sample : M5044-10
 Misc : 6.20G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 20:54:15 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

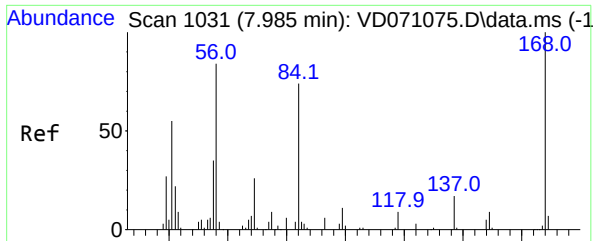
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	437633	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	766882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	693143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	296625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	262064	51.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.060%	
35) Dibromofluoromethane	7.908	113	244778	50.124	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.240%	
50) Toluene-d8	10.332	98	980828	52.778	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.560%	
62) 4-Bromofluorobenzene	12.626	95	312333	48.485	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.960%	
Target Compounds						Qvalue
10) Methyl Iodide	4.285	142	517	4.652	ug/l #	82
11) Tert butyl alcohol	5.209	59	13735	Below Cal		100
13) Acrolein	4.150	56	6556	18.682	ug/l #	47
15) Acrylonitrile	5.467	53	2746	2.791	ug/l #	27
16) Acetone	4.156	43	69243	75.322	ug/l #	83
18) Methyl Acetate	4.944	43	33302	8.790	ug/l #	51
19) Methyl tert-butyl Ether	5.467	73	109653	11.013	ug/l	99
20) Methylene Chloride	4.962	84	30507	1.867	ug/l #	87
23) Vinyl Acetate	6.297	43	692	27.292	ug/l #	72
25) 2-Butanone	7.208	43	9065	33.462	ug/l	92
31) Cyclohexane	7.973	56	19055	2.182	ug/l #	52
41) Methacrylonitrile	7.538	41	548	Below Cal	#	36
43) Isopropyl Acetate	8.444	43	2960	5.612	ug/l #	60
48) Methyl methacrylate	9.485	41	9867	3.256	ug/l #	39
51) 4-Methyl-2-Pentanone	10.261	43	50875	43.437	ug/l #	70
55) 1,1,2-Trichloroethane	10.767	97	3590	1.030	ug/l #	1
56) Ethyl methacrylate	10.661	69	279	6.019	ug/l #	28
59) 2-Hexanone	10.944	43	13658	39.048	ug/l #	29
68) m/p-Xylenes	11.849	106	15091	1.651	ug/l	94
69) o-Xylene	12.167	106	11671	1.359	ug/l	99
74) N-amyl acetate	12.261	43	6692	6.709	ug/l #	53
76) 1,2,3-Trichloropropane	12.620	75	176679	62.517	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	176679	135.111	ug/l #	18

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

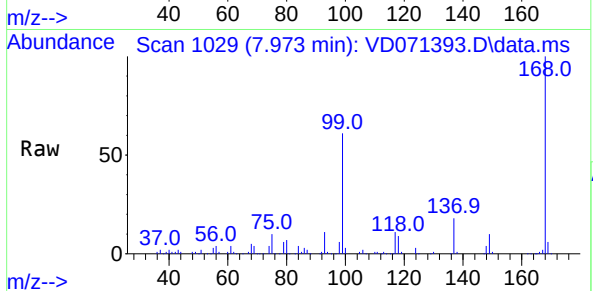
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



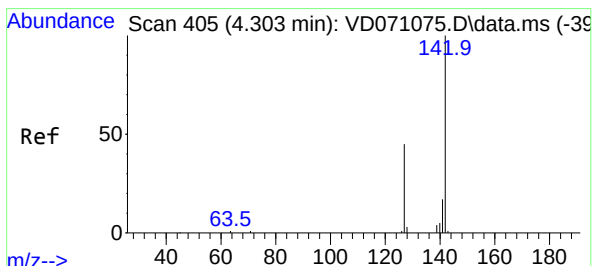
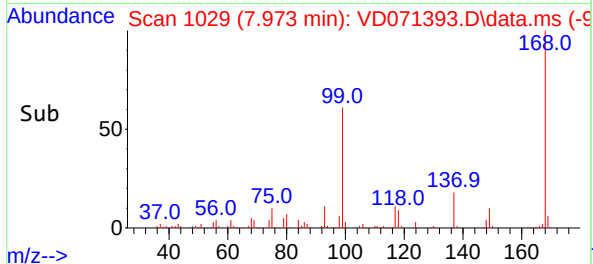
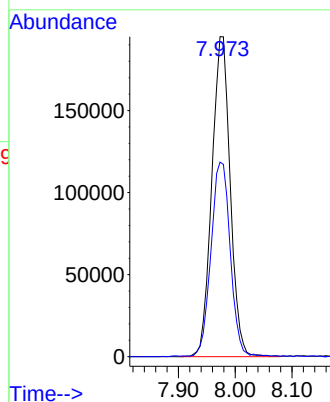


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

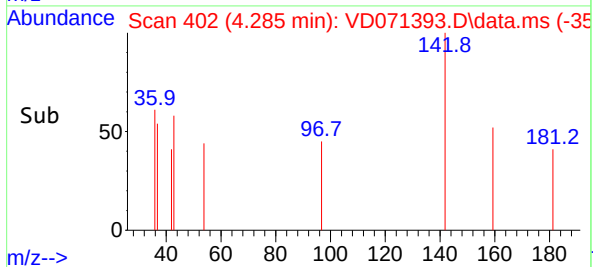
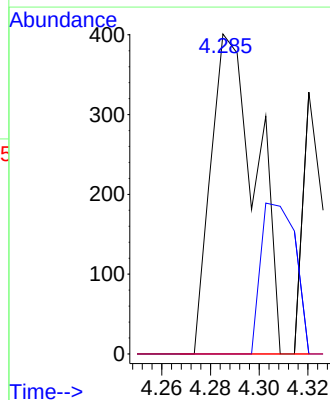
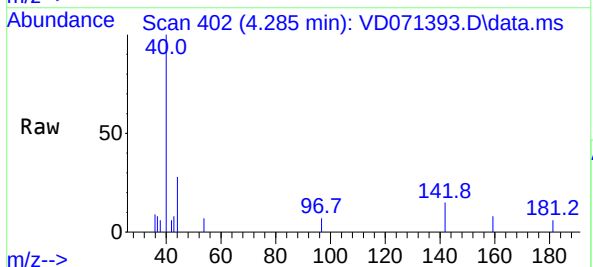


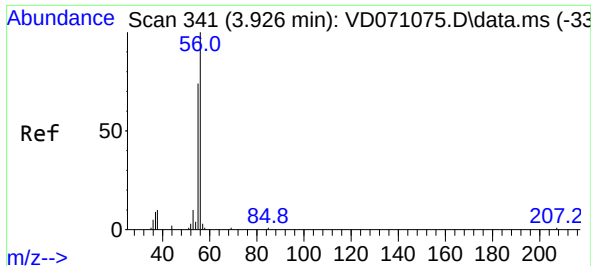
Tgt Ion:168 Resp: 437633
Ion Ratio Lower Upper
168 100
99 60.6 46.6 69.8



#10
Methyl Iodide
Concen: 4.652 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.018 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Tgt Ion:142 Resp: 517
Ion Ratio Lower Upper
142 100
127 36.0 35.0 52.4
141 0.0 12.0 18.0#

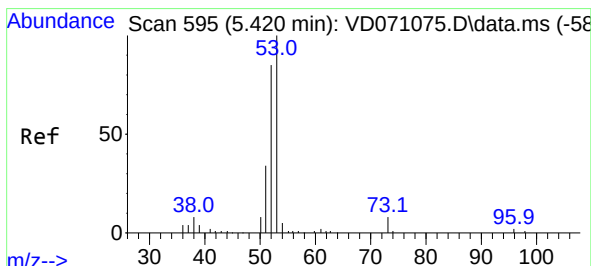
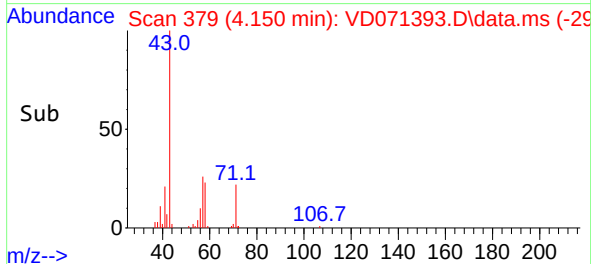
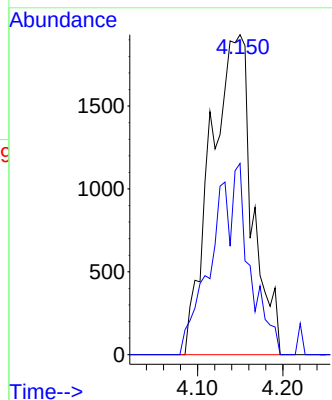
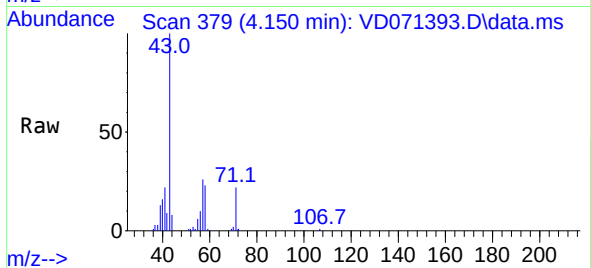




#13
Acrolein
Concen: 18.682 ug/l
RT: 4.150 min Scan# 31
Delta R.T. 0.224 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

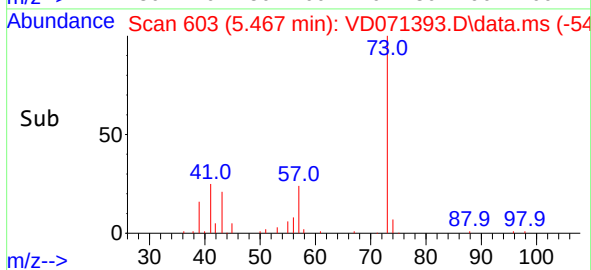
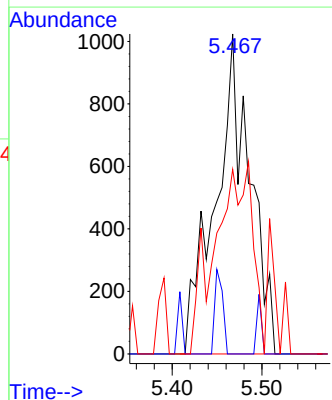
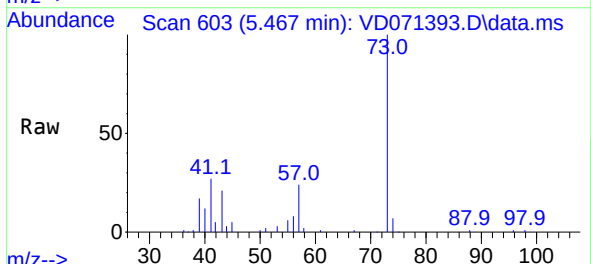
Instrument :
MSVOA_D
ClientSampleId :

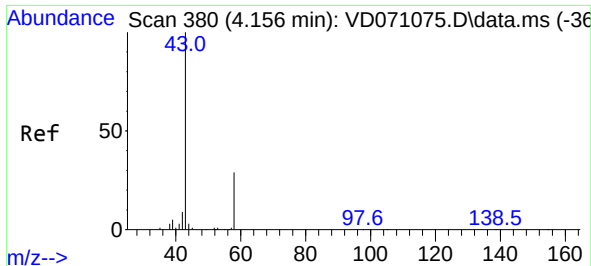
Tgt Ion: 56 Resp: 6556
Ion Ratio Lower Upper
56 100
55 29.0 58.6 87.8#



#15
Acrylonitrile
Concen: 2.791 ug/l
RT: 5.467 min Scan# 603
Delta R.T. 0.047 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Tgt Ion: 53 Resp: 2746
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 55.2 28.5 42.7#

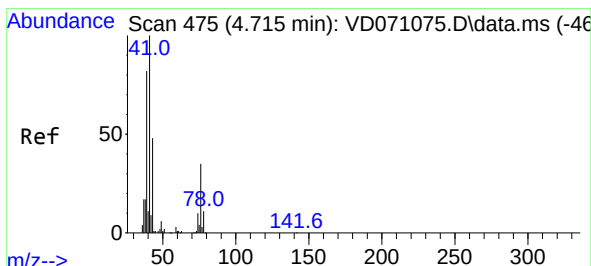
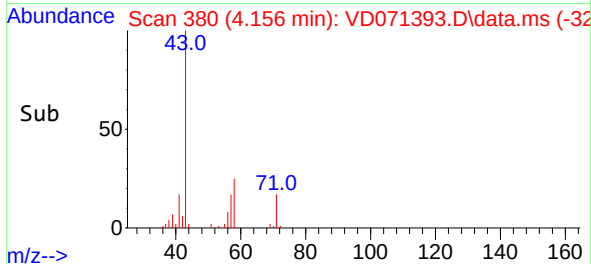
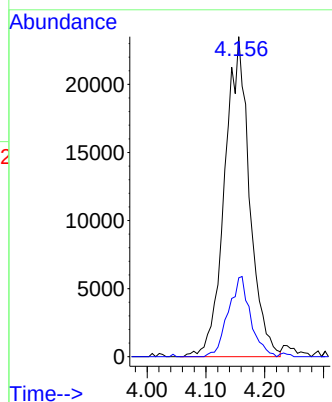
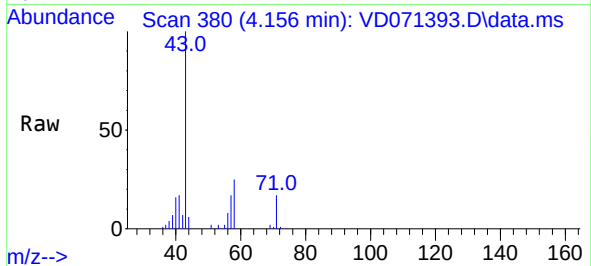




#16
Acetone
Concen: 75.322 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

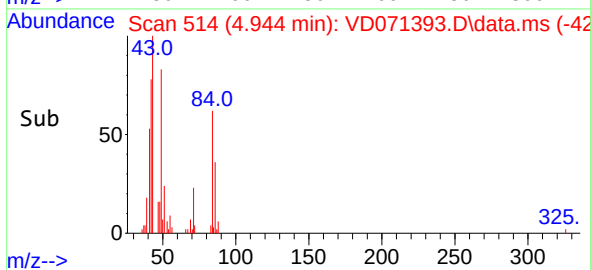
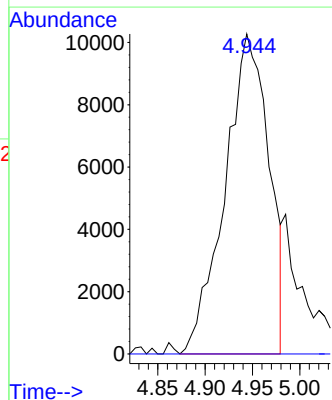
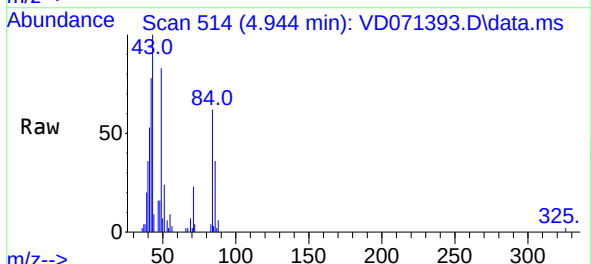
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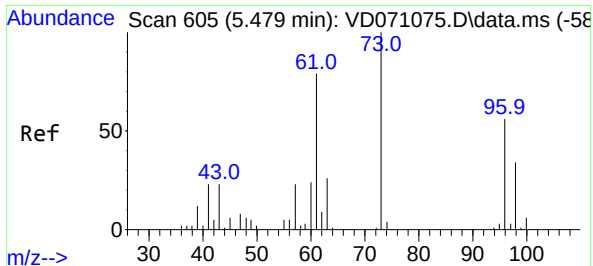
Tgt Ion: 43 Resp: 69243
Ion Ratio Lower Upper
43 100
58 24.7 27.8 41.8#



#18
Methyl Acetate
Concen: 8.790 ug/l
RT: 4.944 min Scan# 514
Delta R.T. 0.229 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Tgt Ion: 43 Resp: 33302
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

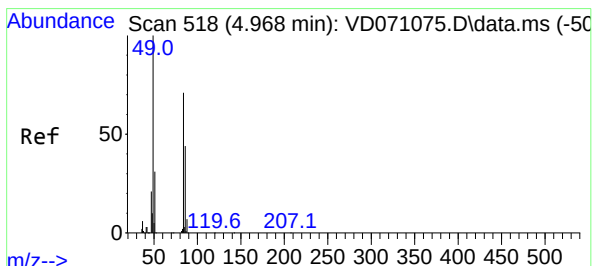
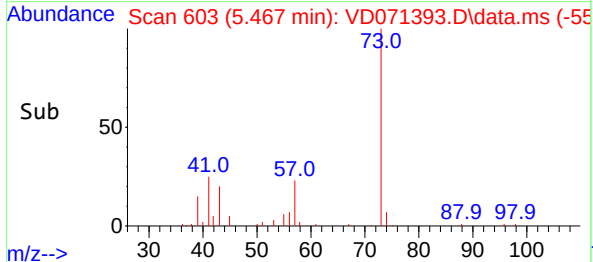
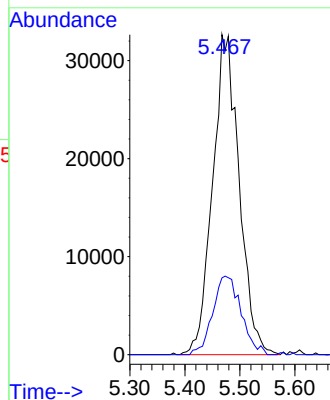
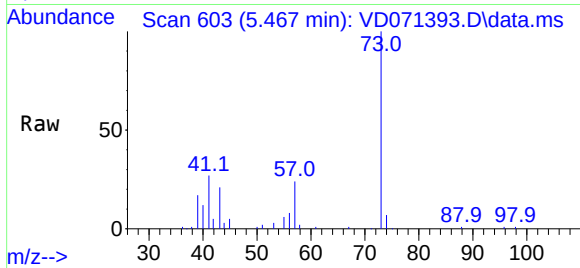




#19
Methyl tert-butyl Ether
Concen: 11.013 ug/l
RT: 5.467 min Scan# 605
Delta R.T. -0.012 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

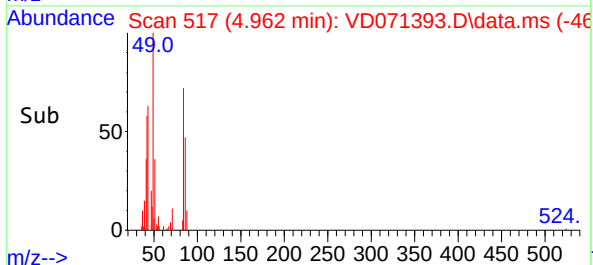
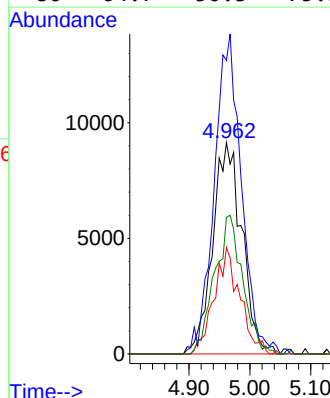
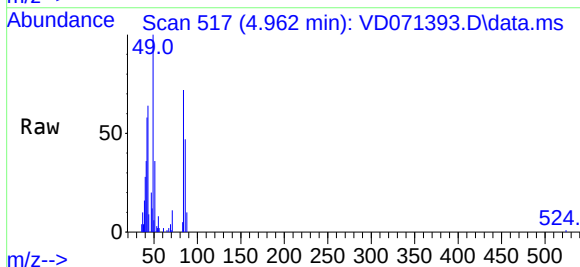
Instrument :
MSVOA_D
ClientSampleId :

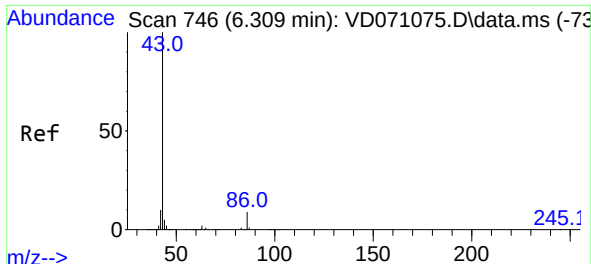
Tgt Ion: 73 Resp: 109653
Ion Ratio Lower Upper
73 100
57 24.0 18.9 28.3



#20
Methylene Chloride
Concen: 1.867 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Tgt Ion: 84 Resp: 30507
Ion Ratio Lower Upper
84 100
49 138.9 95.8 143.6
51 50.4 30.9 46.3#
86 64.7 50.3 75.5

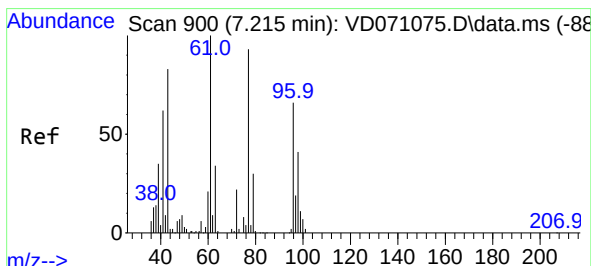
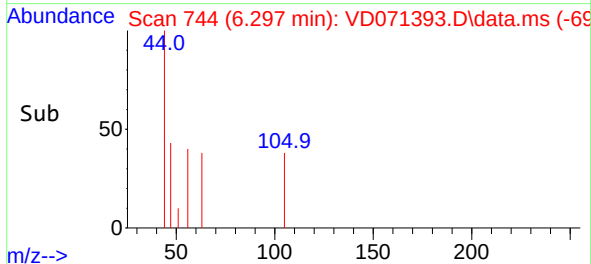
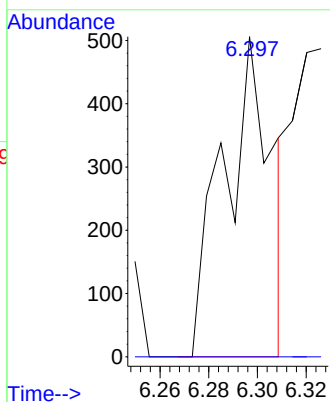
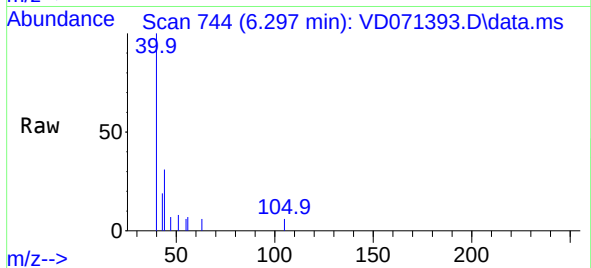




#23
 Vinyl Acetate
 Concen: 27.292 ug/l
 RT: 6.297 min Scan# 746
 Delta R.T. -0.012 min
 Lab File: VD071393.D
 Acq: 20 Dec 2021 17:24

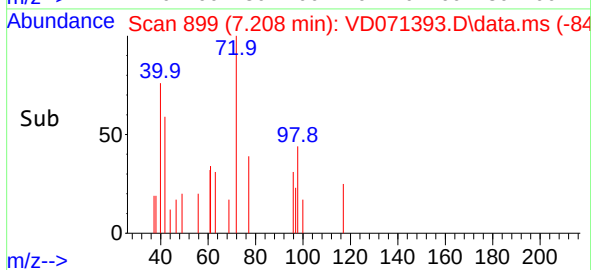
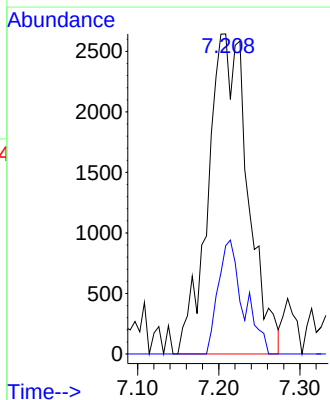
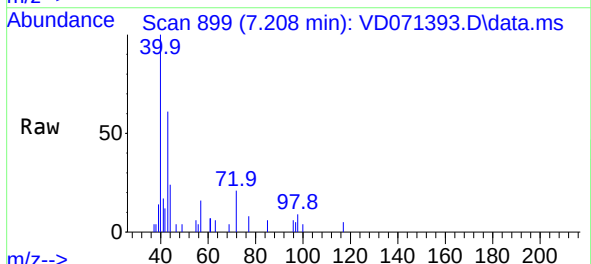
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 ClientSampleId :

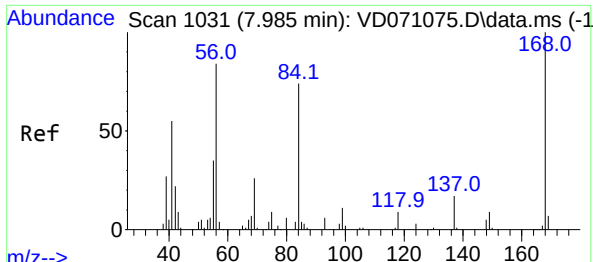
Tgt Ion: 43 Resp: 692
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 33.462 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.007 min
 Lab File: VD071393.D
 Acq: 20 Dec 2021 17:24

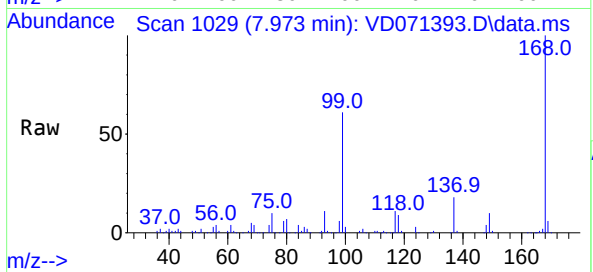
Tgt Ion: 43 Resp: 9065
 Ion Ratio Lower Upper
 43 100
 72 33.9 23.8 35.6



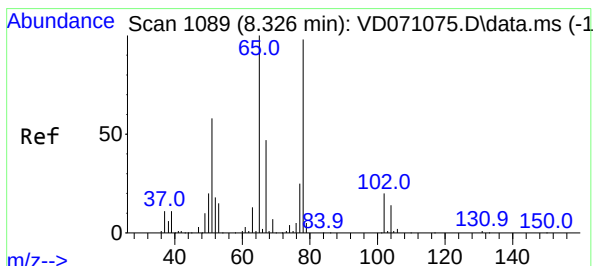
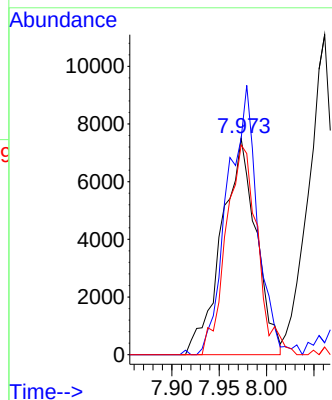
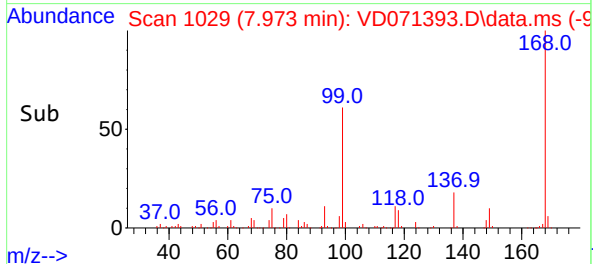


#31
Cyclohexane
Concen: 2.182 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

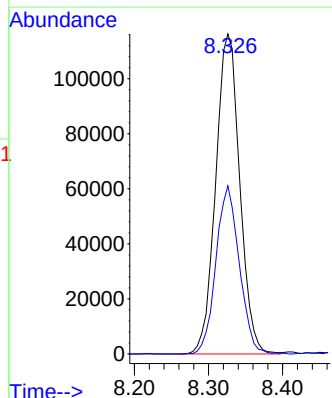
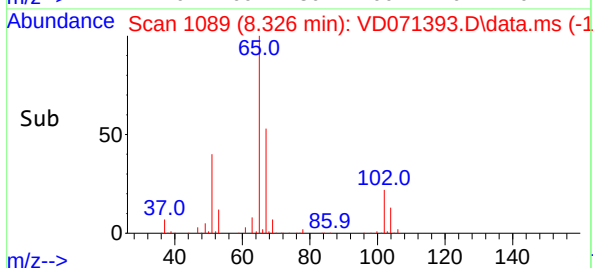
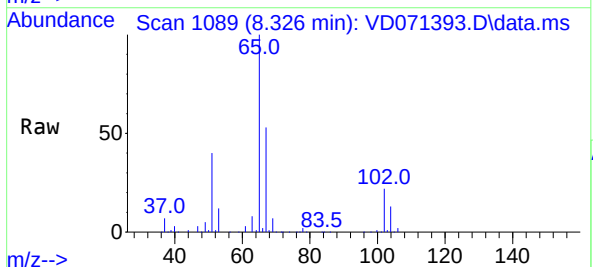


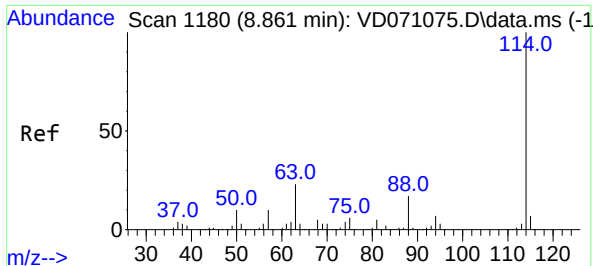
Tgt Ion: 56 Resp: 19055
Ion Ratio Lower Upper
56 100
69 99.9 25.9 38.9#
84 97.0 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 51.034 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Tgt Ion: 65 Resp: 262064
Ion Ratio Lower Upper
65 100
67 50.9 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: VD071393.D

Acq: 20 Dec 2021 17:24

Instrument :

MSVOA_D

ClientSampleId :

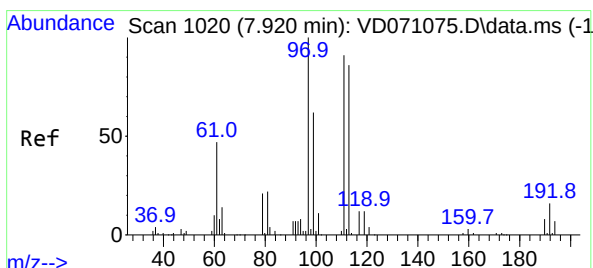
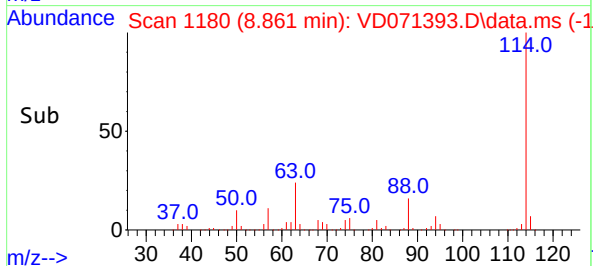
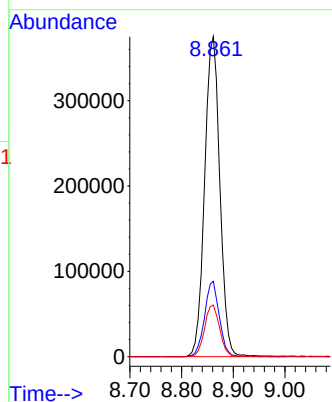
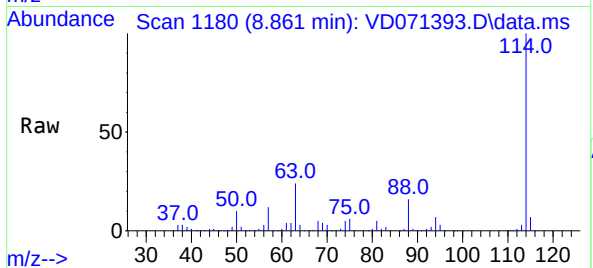
Tgt Ion:114 Resp: 766882

Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.124 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071393.D

Acq: 20 Dec 2021 17:24

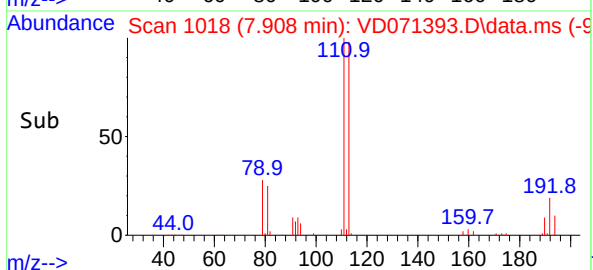
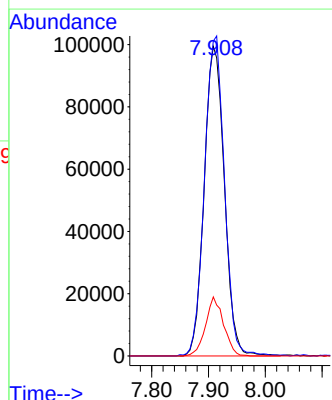
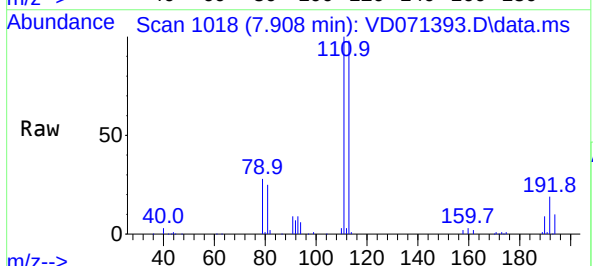
Tgt Ion:113 Resp: 244778

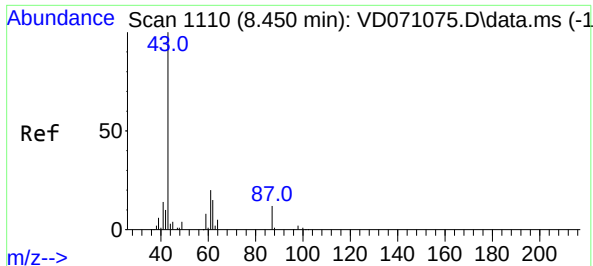
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

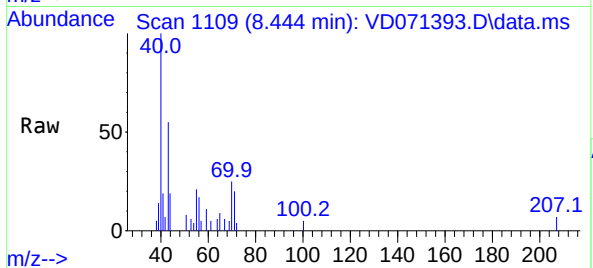
192 17.0 15.2 22.8



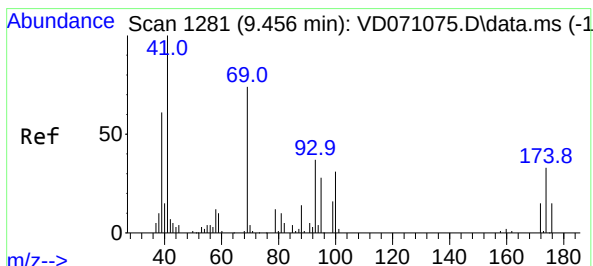
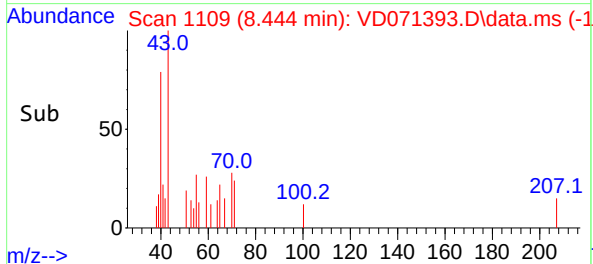
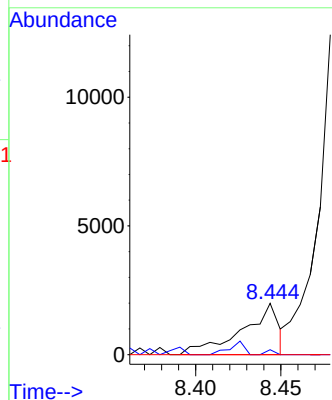


#43
Isopropyl Acetate
Concen: 5.612 ug/l
RT: 8.444 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

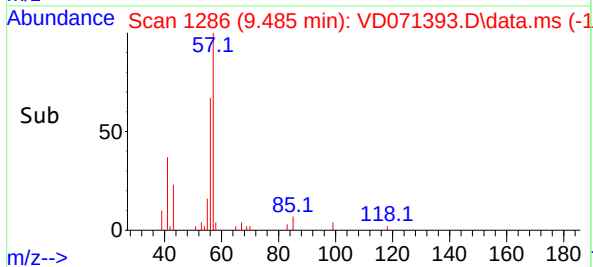
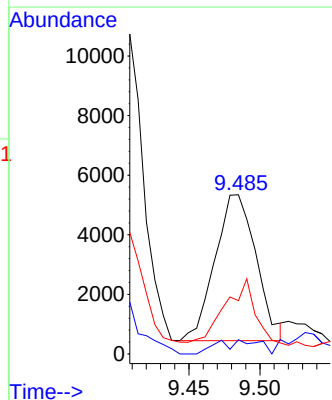
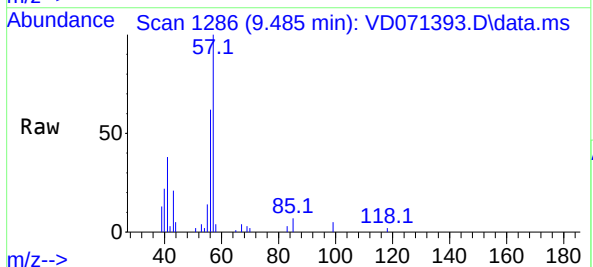


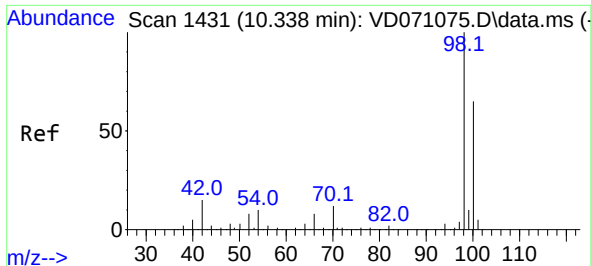
Tgt Ion: 43 Resp: 2960
Ion Ratio Lower Upper
43 100
61 10.6 28.2 42.4#
87 0.0 10.7 16.1#



#48
Methyl methacrylate
Concen: 3.256 ug/l
RT: 9.485 min Scan# 1286
Delta R.T. 0.029 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Tgt Ion: 41 Resp: 9867
Ion Ratio Lower Upper
41 100
69 5.8 69.8 104.6#
39 50.4 35.6 53.4

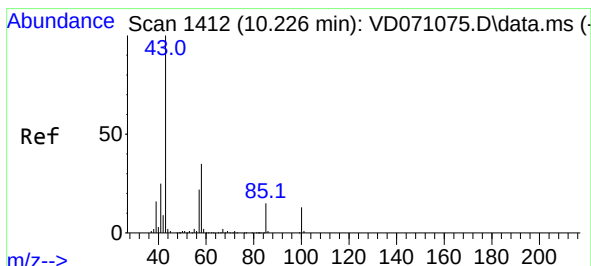
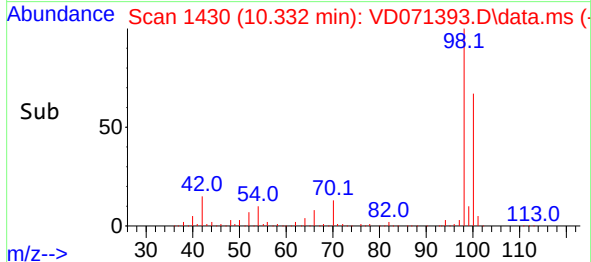
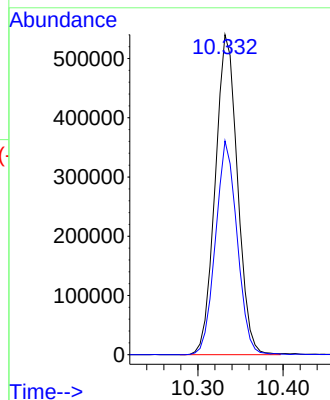
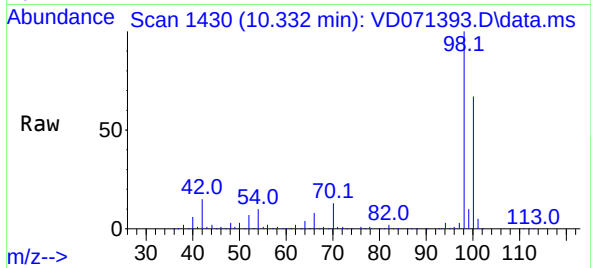




#50
Toluene-d8
Concen: 52.778 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

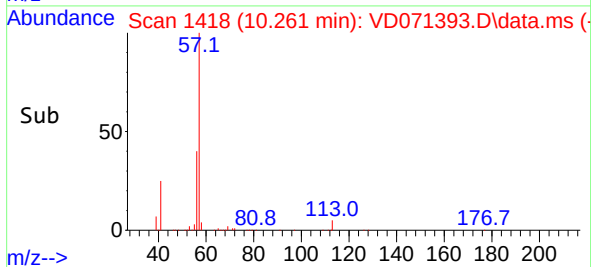
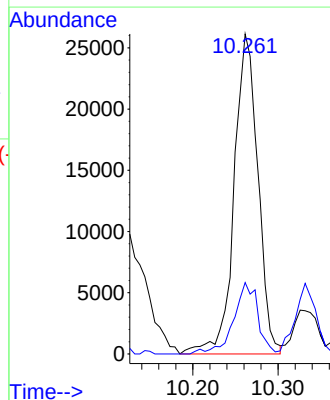
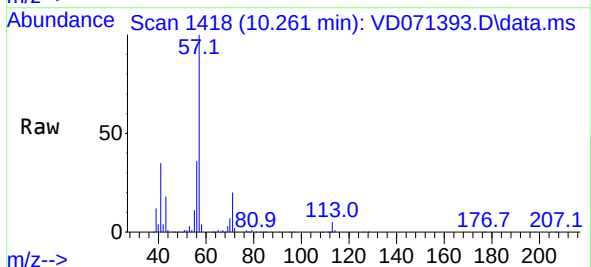
Instrument :
MSVOA_D
ClientSampleId :

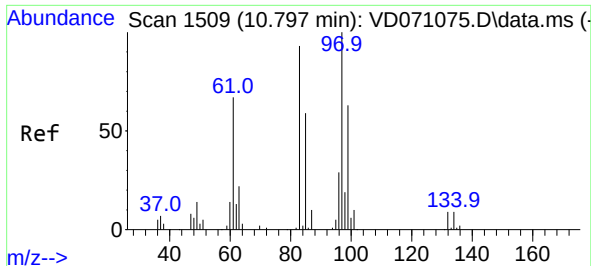
Tgt Ion: 98 Resp: 980828
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 43.437 ug/l
RT: 10.261 min Scan# 1418
Delta R.T. 0.035 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

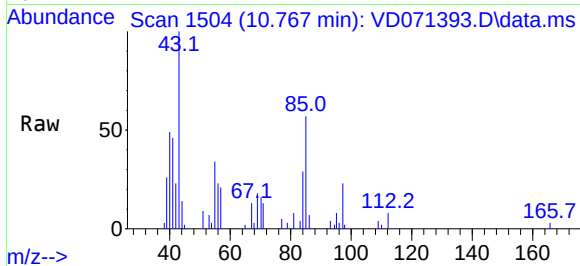
Tgt Ion: 43 Resp: 50875
Ion Ratio Lower Upper
43 100
58 22.7 33.1 49.7#



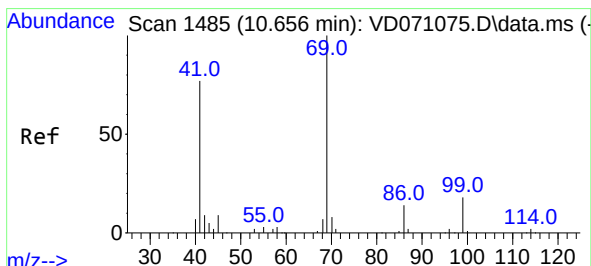
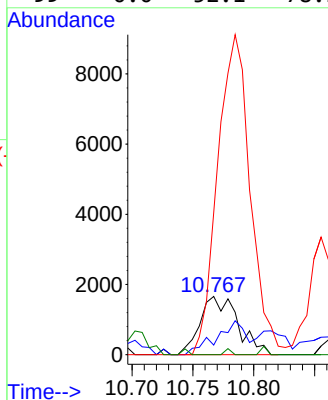
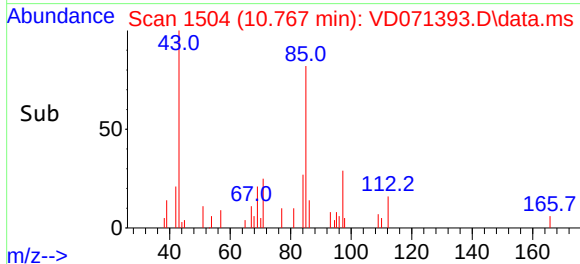


#55
1,1,2-Trichloroethane
Concen: 1.030 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.030 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

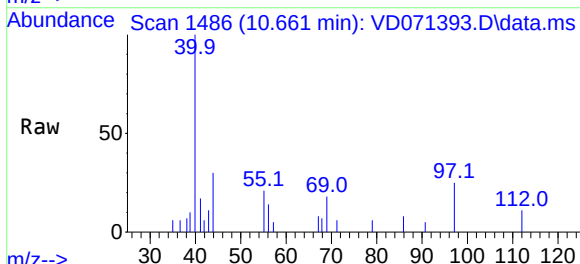
Instrument :
MSVOA_D
ClientSampleId :



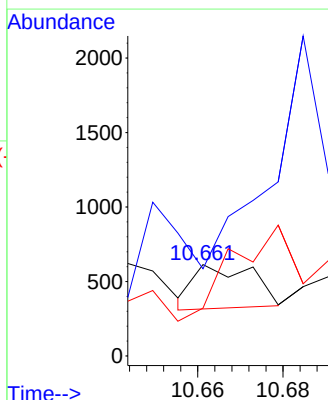
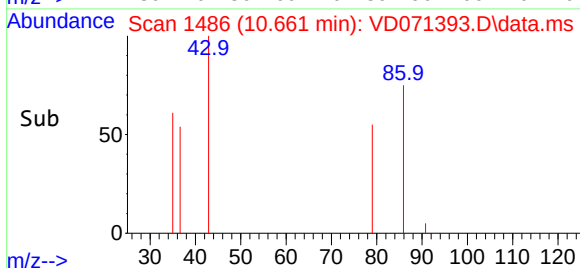
Tgt Ion: 97 Resp: 3590
Ion Ratio Lower Upper
97 100
83 16.4 65.2 97.8#
85 244.3 43.4 65.0#
99 0.0 52.1 78.1#

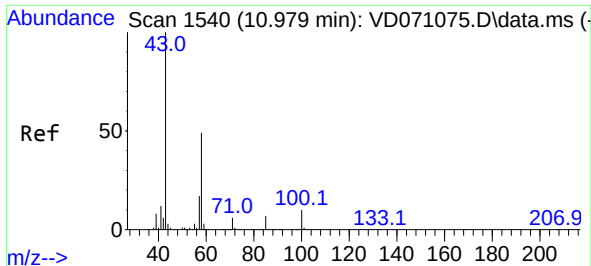


#56
Ethyl methacrylate
Concen: 6.019 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.005 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24



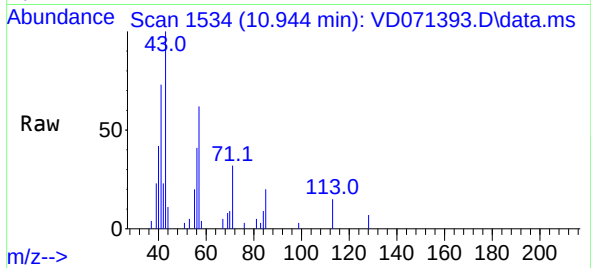
Tgt Ion: 69 Resp: 279
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#



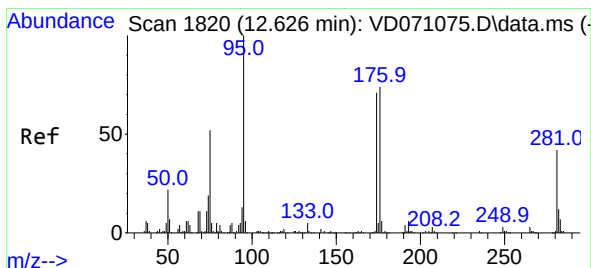
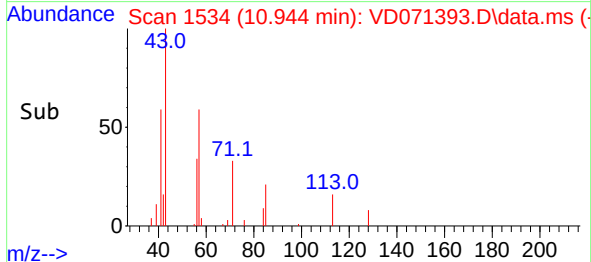
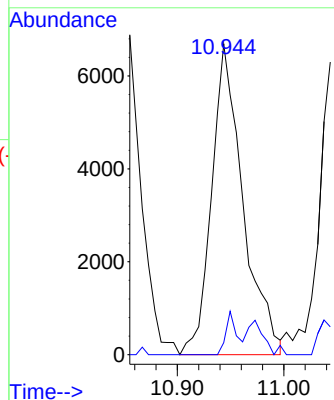


#59
2-Hexanone
Concen: 39.048 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

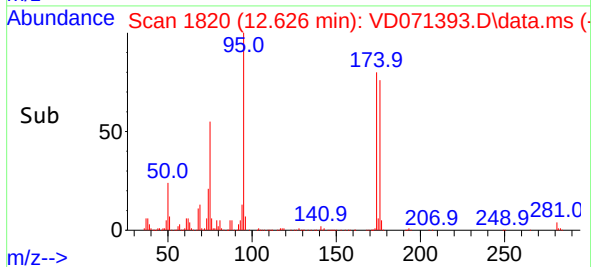
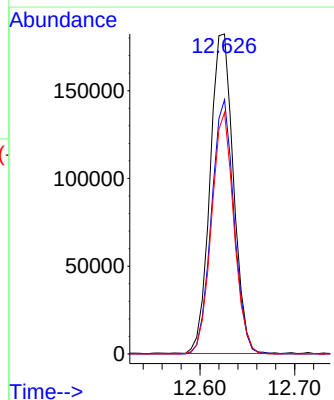
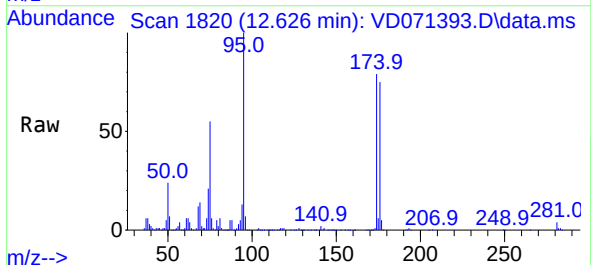


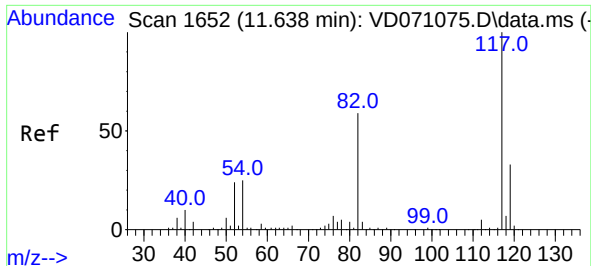
Tgt Ion: 43 Resp: 13658
Ion Ratio Lower Upper
43 100
58 4.8 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 48.485 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

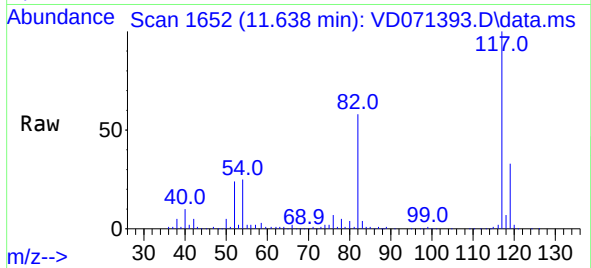
Tgt Ion: 95 Resp: 312333
Ion Ratio Lower Upper
95 100
174 76.6 0.0 159.4
176 72.2 0.0 154.0



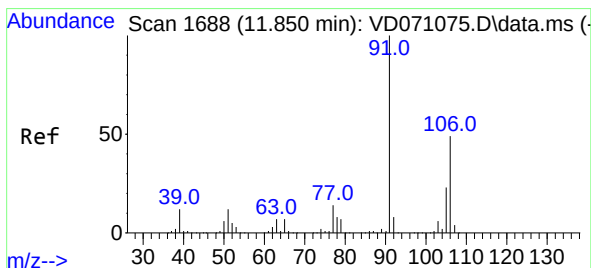
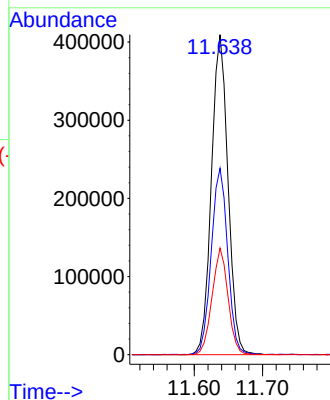
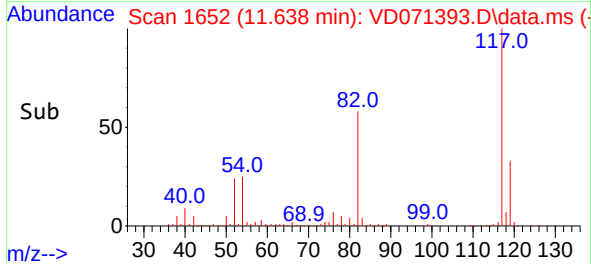


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

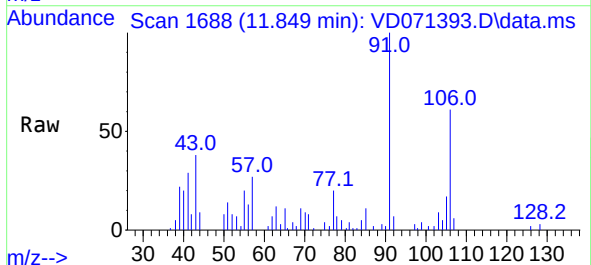
Instrument :
MSVOA_D
ClientSampleId :



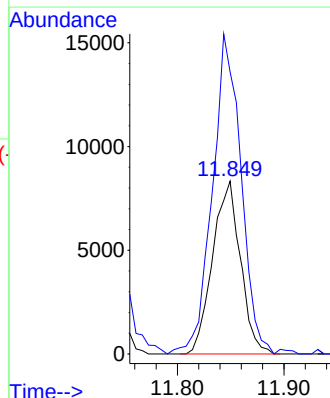
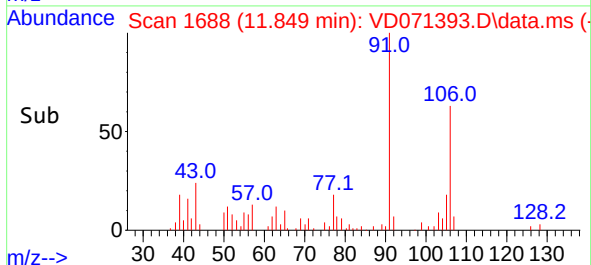
Tgt Ion:117 Resp: 693143
Ion Ratio Lower Upper
117 100
82 58.2 44.7 67.1
119 33.3 26.2 39.4

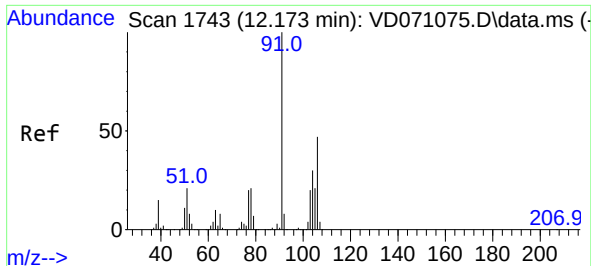


#68
m/p-Xylenes
Concen: 1.651 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.001 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24



Tgt Ion:106 Resp: 15091
Ion Ratio Lower Upper
106 100
91 191.6 160.1 240.1

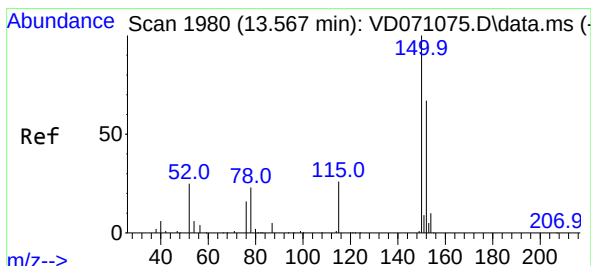
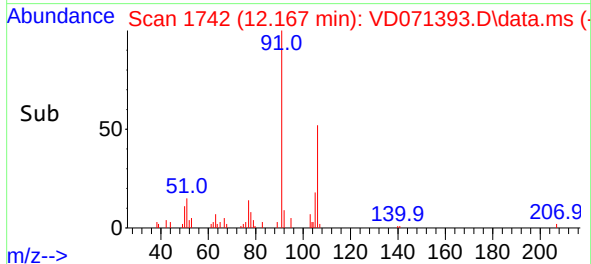
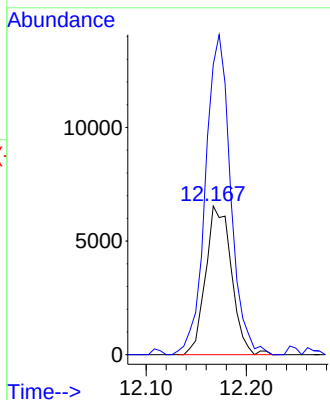
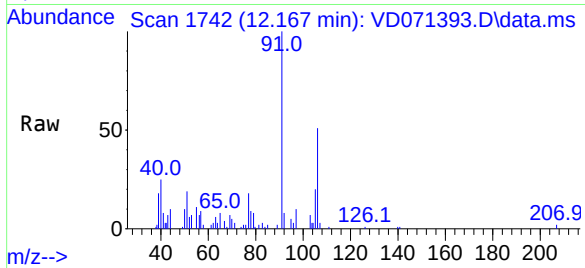




#69
o-Xylene
Concen: 1.359 ug/l
RT: 12.167 min Scan# 11671
Delta R.T. -0.006 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

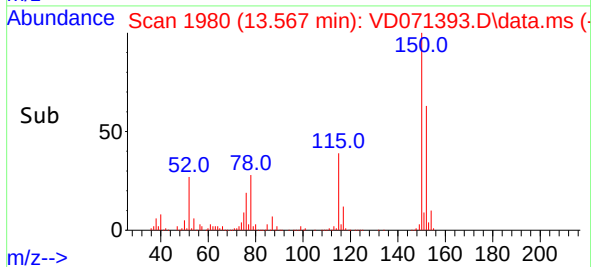
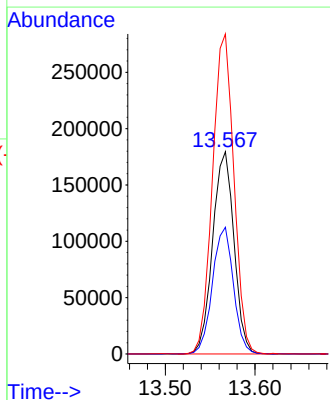
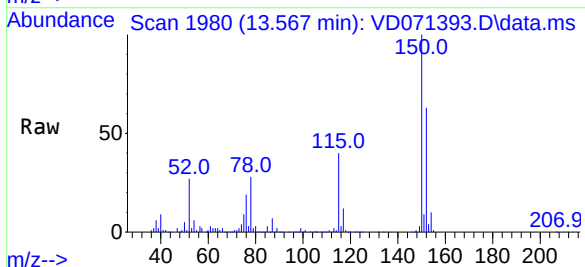
Instrument :
MSVOA_D
ClientSampleId :

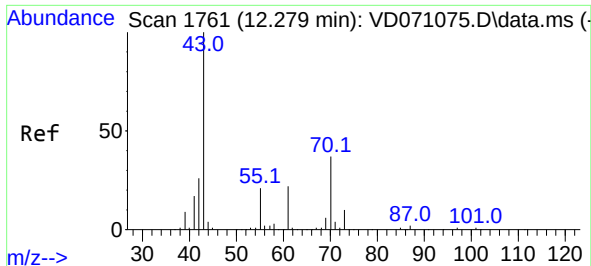
Tgt Ion:106 Resp: 11671
Ion Ratio Lower Upper
106 100
91 210.4 106.3 319.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Tgt Ion:152 Resp: 296625
Ion Ratio Lower Upper
152 100
115 61.8 29.8 89.3
150 158.5 0.0 349.2



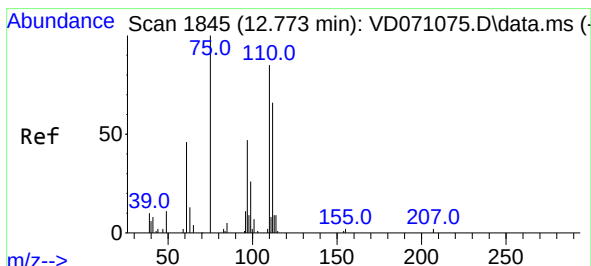
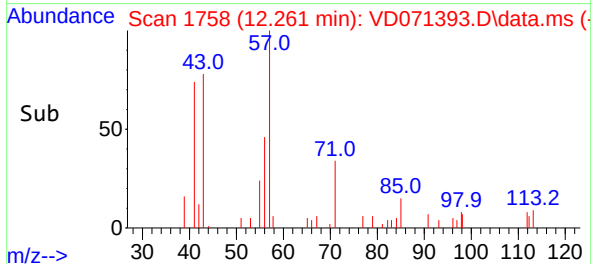
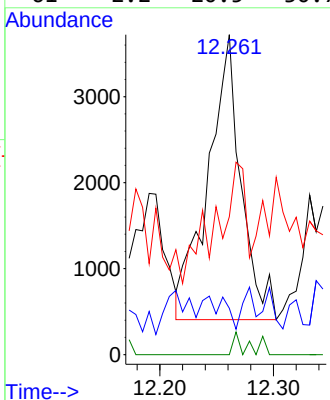
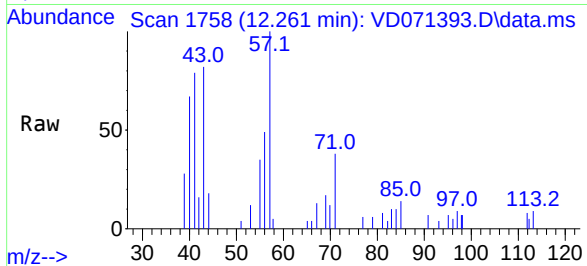


#74
N-amy1 acetate
Concen: 6.709 ug/l
RT: 12.261 min Scan# 1819
Delta R.T. -0.018 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 6692

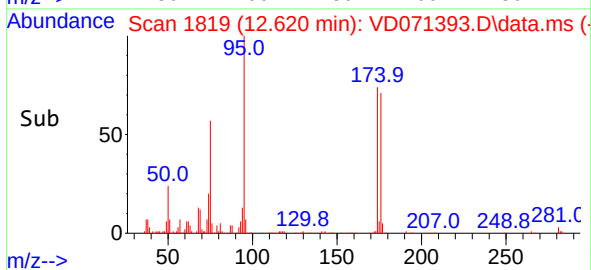
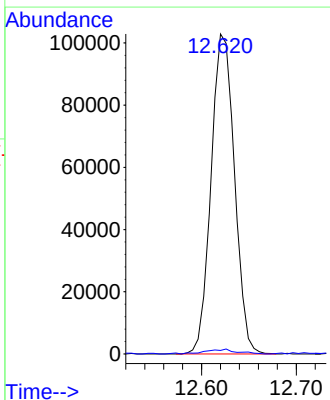
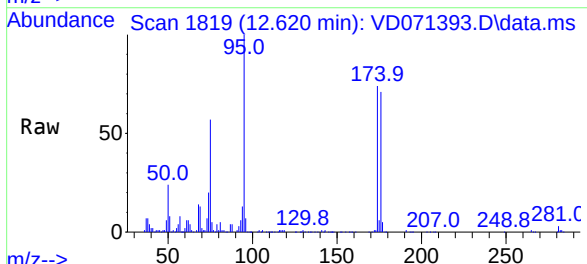
Ion	Ratio	Lower	Upper
43	100		
70	6.0	36.6	55.0#
55	15.1	22.5	33.7#
61	2.2	20.5	30.7#

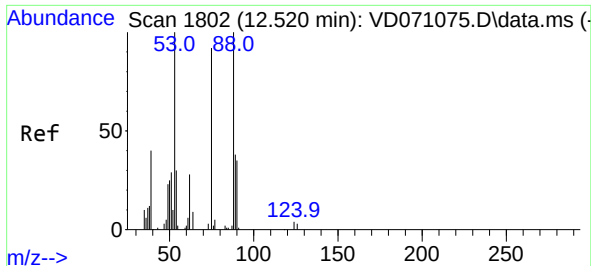


#76
1,2,3-Trichloropropane
Concen: 62.517 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071393.D
Acq: 20 Dec 2021 17:24

Tgt Ion: 75 Resp: 176679

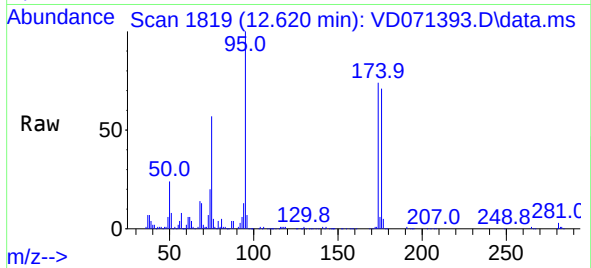
Ion	Ratio	Lower	Upper
75	100		
77	1.9	158.4	475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.111 ug/l
 RT: 12.620 min Scan# 1802
 Delta R.T. 0.100 min
 Lab File: VD071393.D
 Acq: 20 Dec 2021 17:24

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 176679
 Ion Ratio Lower Upper
 75 100
 53 0.2 62.6 94.0#
 89 0.1 34.5 51.7#

