

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092321\
 Data File : VN068626.D
 Acq On : 23 Sep 2021 17:51
 Operator : JC/MD
 Sample : M3826-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1183

Quant Time: Sep 23 18:08:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

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

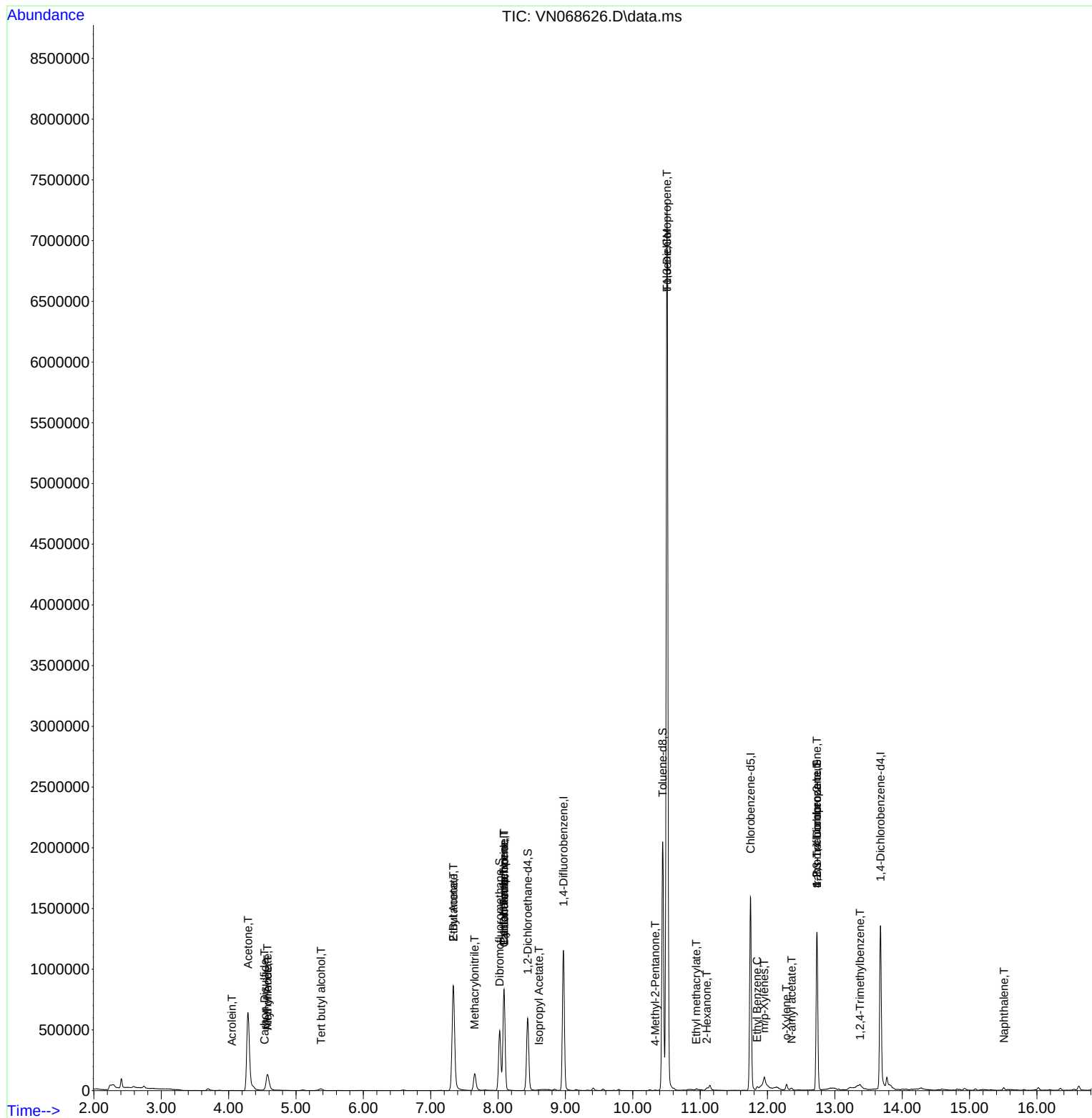
Internal Standards						
1) Pentafluorobenzene	8.088	168	600759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	984159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	878672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	342000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	508794	54.381	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.760%			
35) Dibromofluoromethane	8.024	113	355117	53.971	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.940%			
50) Toluene-d8	10.443	98	1401767	50.222	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.440%			
62) 4-Bromofluorobenzene	12.733	95	451383	47.286	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.580%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.866	94	1624	Below Cal		91
11) Tert butyl alcohol	5.371	59	19612	13.586 ug/l #		80
13) Acrolein	4.047	56	547	7.999 ug/l #		60
14) Allyl chloride	4.580	41	18160	1.440 ug/l #		66
16) Acetone	4.288	43	1241588	370.541 ug/l		99
17) Carbon Disulfide	4.532	76	12804	0.711 ug/l		98
18) Methyl Acetate	4.578	43	53962	3.912 ug/l #		54
20) Methylene Chloride	5.106	84	4236	Below Cal		94
25) 2-Butanone	7.335	43	1465242	256.273 ug/l		97
31) Cyclohexane	8.088	56	16212	1.232 ug/l #		36
36) 1,1-Dichloropropene	8.088	75	52814	5.313 ug/l #		52
37) Ethyl Acetate	7.335	43	1465242	129.844 ug/l #		69
38) Carbon Tetrachloride	8.091	117	64356	6.269 ug/l #		17
41) Methacrylonitrile	7.651	41	28324	4.746 ug/l #		46
43) Isopropyl Acetate	8.609	43	4068	0.211 ug/l #		58
51) 4-Methyl-2-Pentanone	10.333	43	3869	0.331 ug/l #		72
52) Toluene	10.507	92	3103961	167.907 ug/l		100
53) t-1,3-Dichloropropene	10.507	75	40636	3.498 ug/l #		1
56) Ethyl methacrylate	10.945	69	134	0.716 ug/l #		1
59) 2-Hexanone	11.097	43	13150	1.566 ug/l		81
67) Ethyl Benzene	11.846	91	12329	0.365 ug/l #		85
68) m/p-Xylenes	11.950	106	17158	1.382 ug/l		95
69) o-Xylene	12.280	106	11157	0.915 ug/l		89
74) N-amyl acetate	12.358	43	7251	0.554 ug/l #		53
76) 1,2,3-Trichloropropane	12.733	75	255159	30.174 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.733	75	255159	85.234 ug/l #		6
84) 1,2,4-Trimethylbenzene	13.374	105	9853	0.420 ug/l		98
95) Naphthalene	15.509	128	19458	2.740 ug/l		98

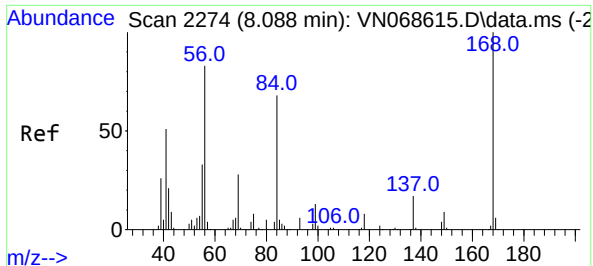
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092321\
Data File : VN068626.D
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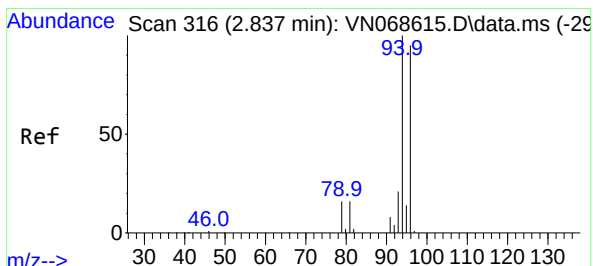
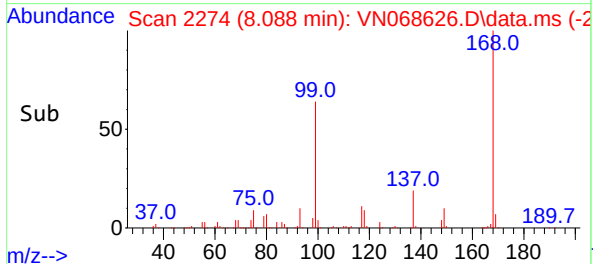
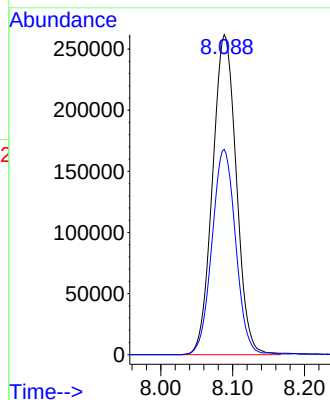
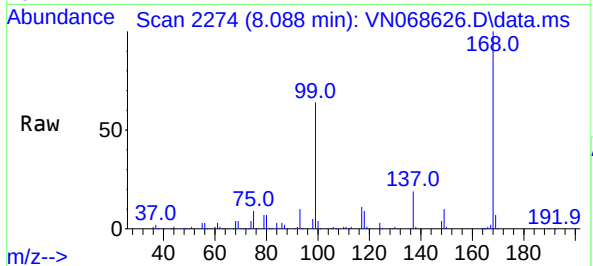




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

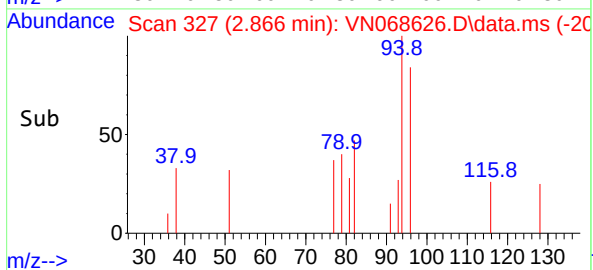
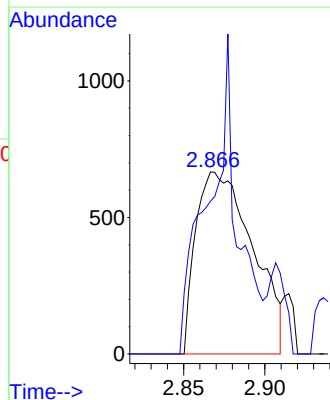
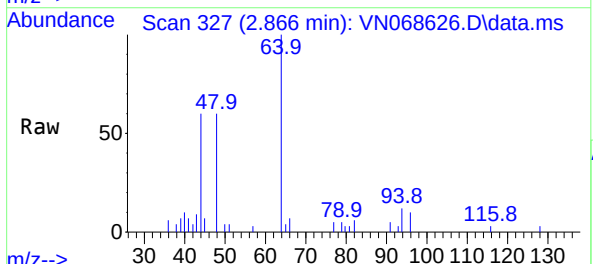
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

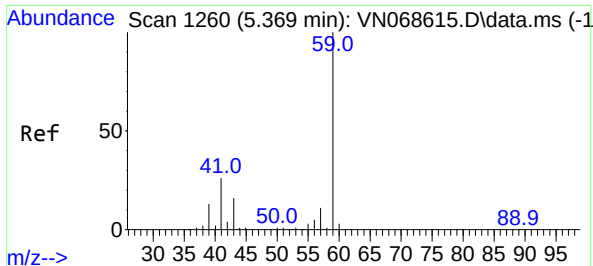
Tgt Ion:168 Resp: 600759
Ion Ratio Lower Upper
168 100
99 64.1 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.866 min Scan# 327
Delta R.T. 0.029 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 94 Resp: 1624
Ion Ratio Lower Upper
94 100
96 83.8 73.7 110.5

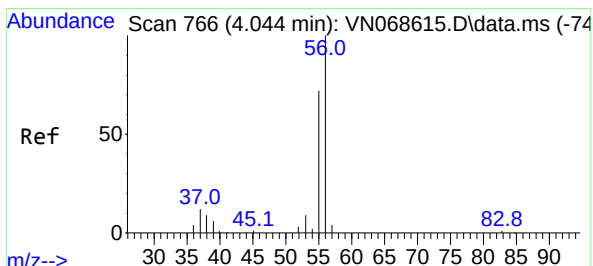
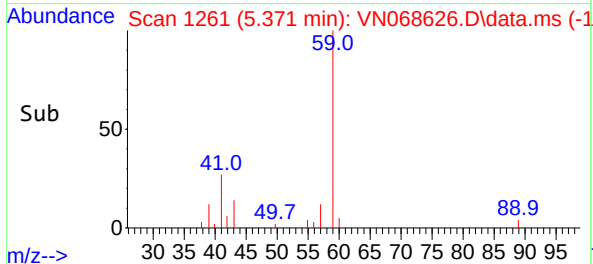
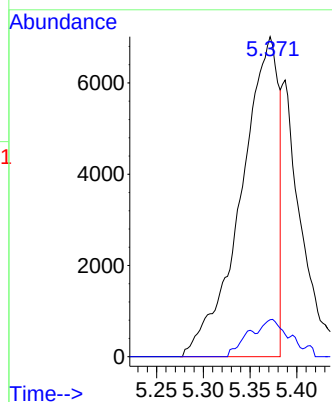
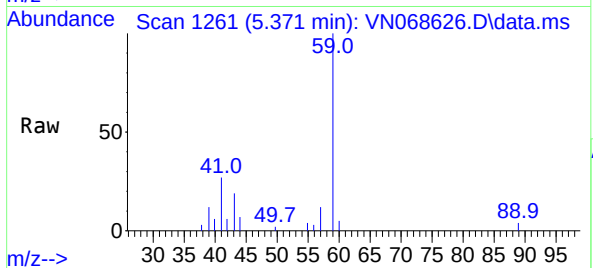




#11
Tert butyl alcohol
Concen: 13.586 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. 0.002 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

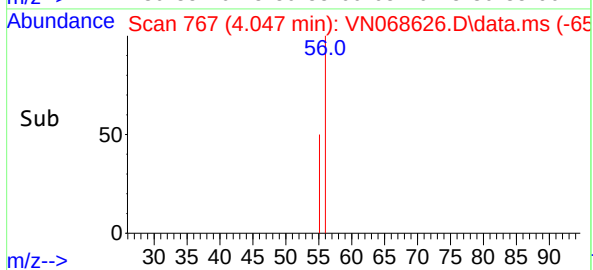
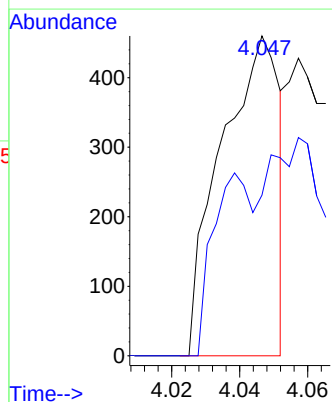
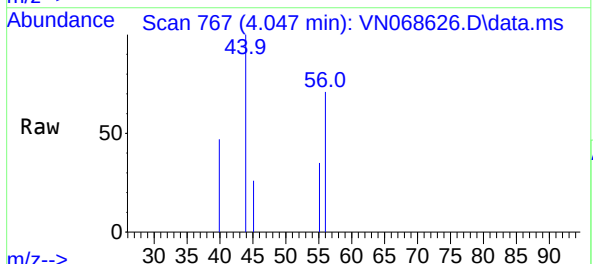
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

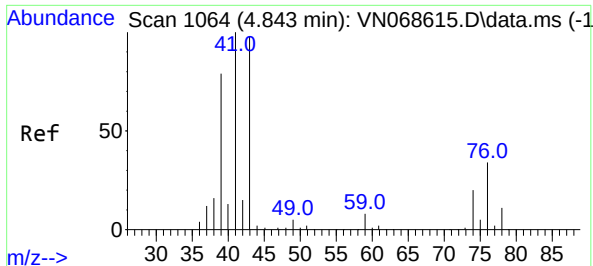
Tgt Ion: 59 Resp: 19612
Ion Ratio Lower Upper
59 100
57 3.5 8.7 13.1#



#13
Acrolein
Concen: 7.999 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.003 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 56 Resp: 547
Ion Ratio Lower Upper
56 100
55 38.4 57.4 86.0#

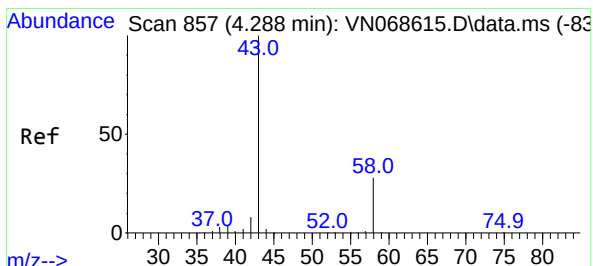
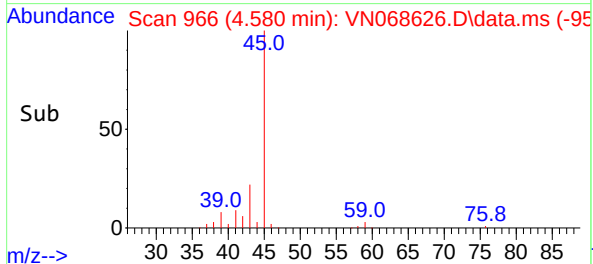
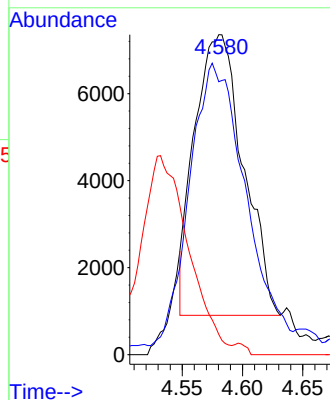
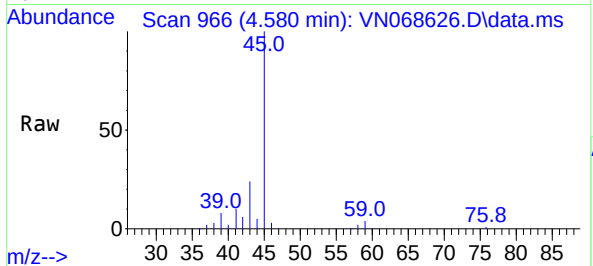




#14
Allyl chloride
Concen: 1.440 ug/l
RT: 4.580 min Scan# 966
Delta R.T. -0.263 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

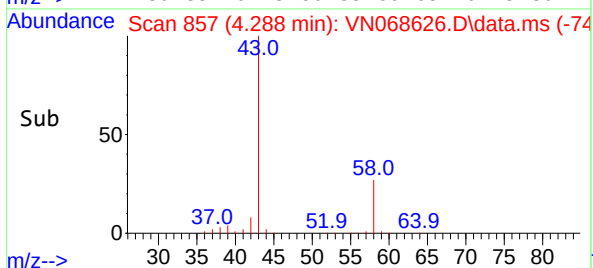
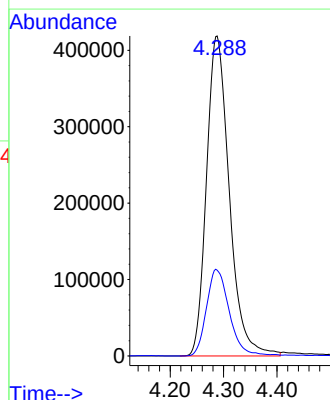
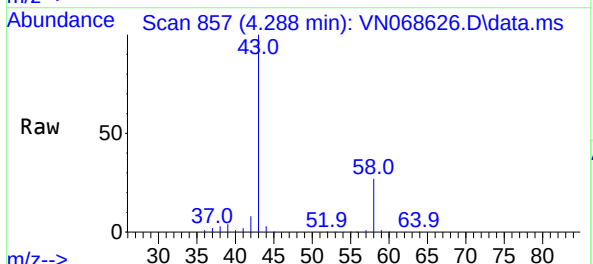
Instrument :
MSVOA_N
ClientSampleId :
AUD-1183

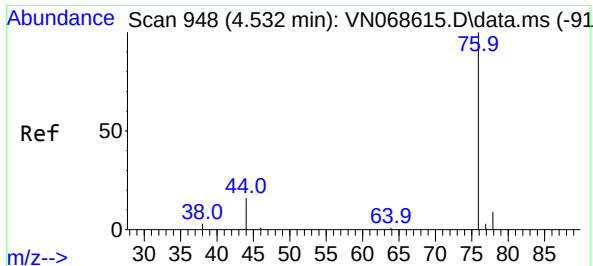
Tgt Ion:	41	Resp:	18160
Ion Ratio	Lower	Upper	
41	100		
39	98.1	60.9	91.3#
76	0.0	24.3	36.5#



#16
Acetone
Concen: 370.541 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.000 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion:	43	Resp:	1241588
Ion Ratio	Lower	Upper	
43	100		
58	26.8	21.2	31.8

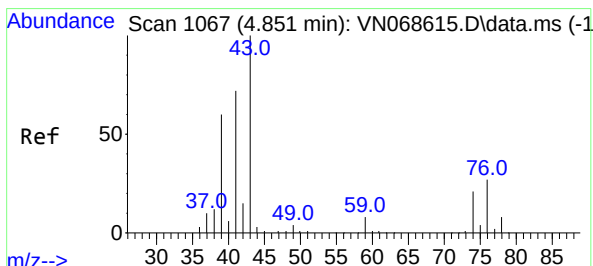
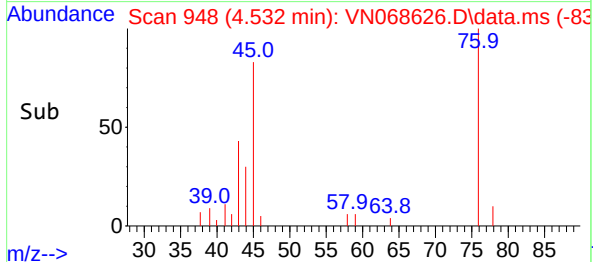
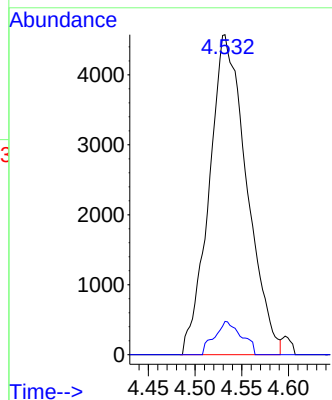
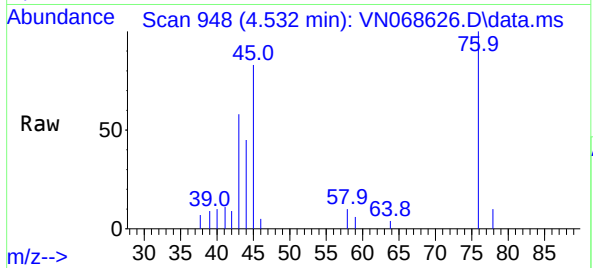




#17
Carbon Disulfide
Concen: 0.711 ug/l
RT: 4.532 min Scan# 948
Delta R.T. -0.000 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

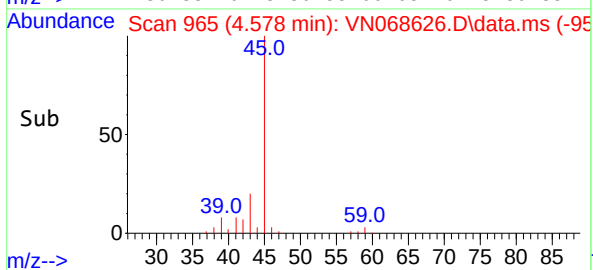
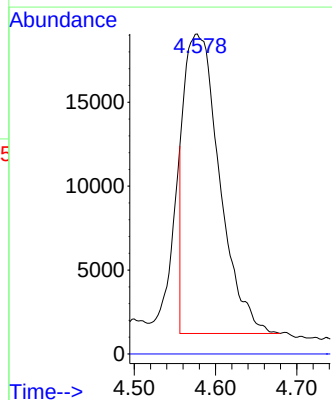
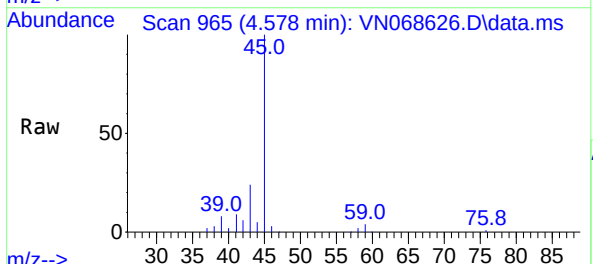
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

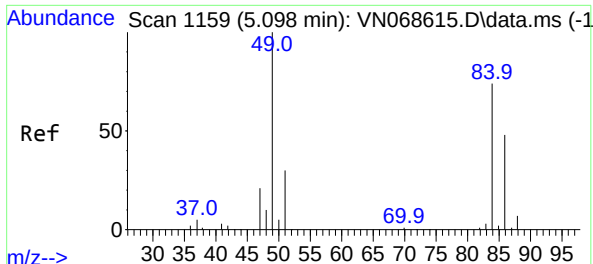
Tgt Ion: 76 Resp: 12804
Ion Ratio Lower Upper
76 100
78 10.4 7.7 11.5



#18
Methyl Acetate
Concen: 3.912 ug/l
RT: 4.578 min Scan# 965
Delta R.T. -0.273 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 43 Resp: 53962
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



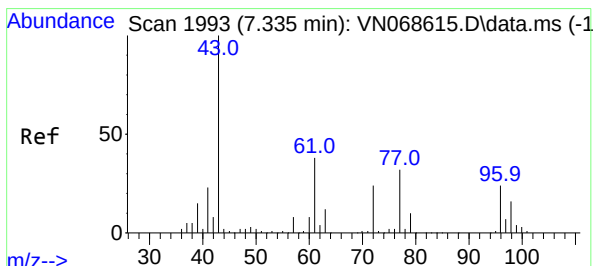
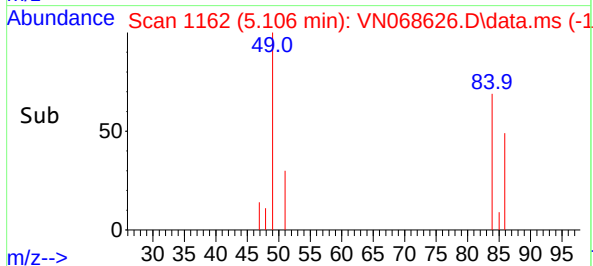
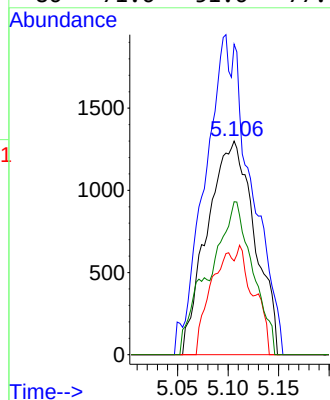
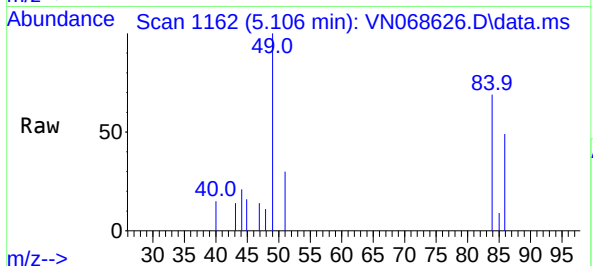


#20
Methylene Chloride
Concen: Below Cal
RT: 5.106 min Scan# 1162
Delta R.T. 0.008 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Instrument :
MSVOA_N
ClientSampled :
AUD-1183

Tgt Ion: 84 Resp: 4236

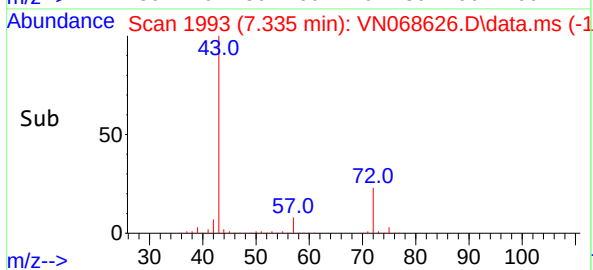
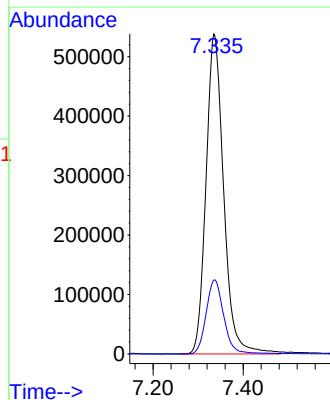
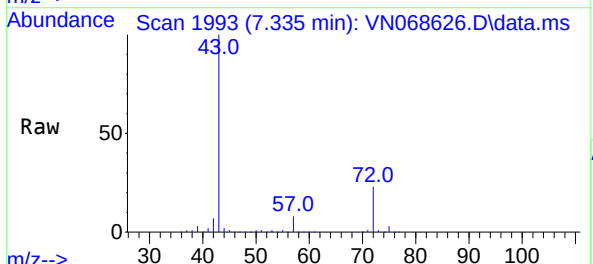
Ion	Ratio	Lower	Upper
84	100		
49	131.9	110.9	166.3
51	43.9	32.6	49.0
86	71.6	51.6	77.4

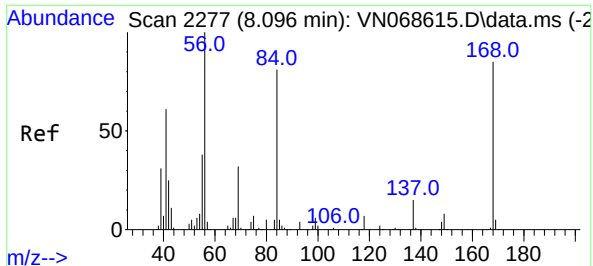


#25
2-Butanone
Concen: 256.273 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 43 Resp: 1465242

Ion	Ratio	Lower	Upper
43	100		
72	23.1	19.7	29.5

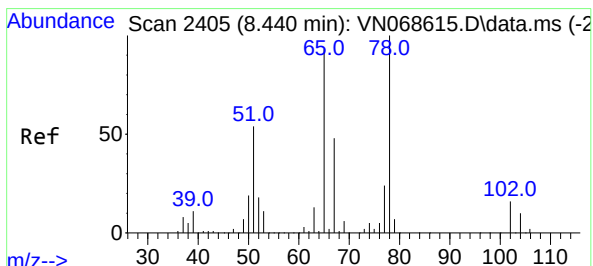
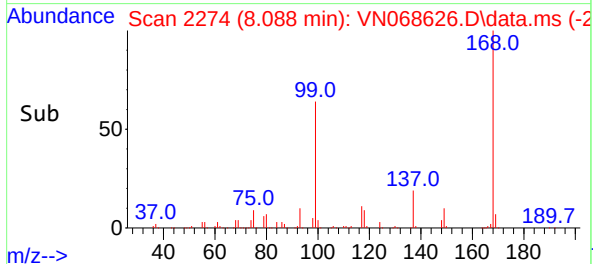
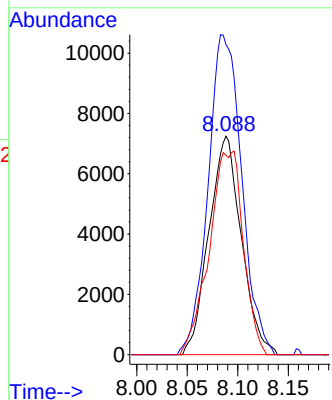
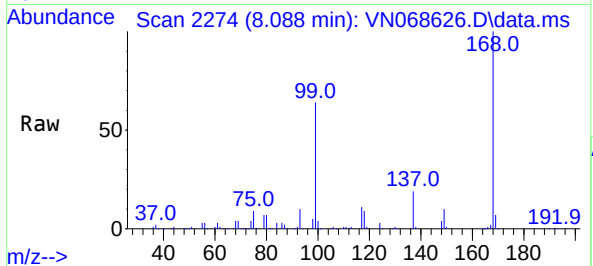




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

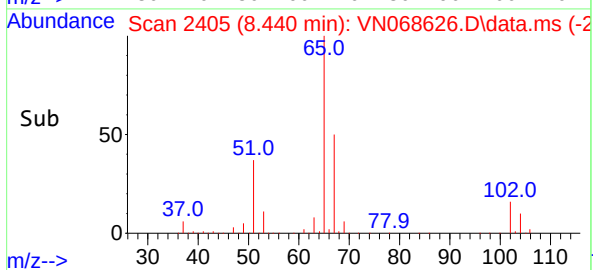
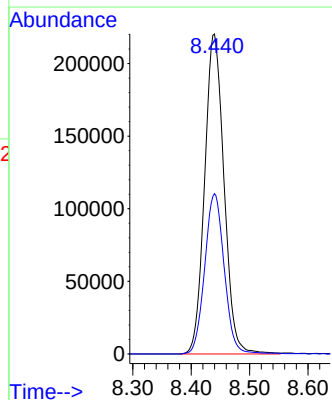
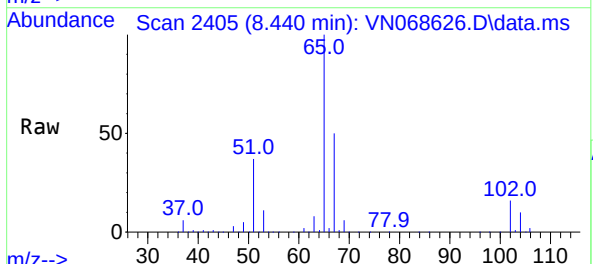
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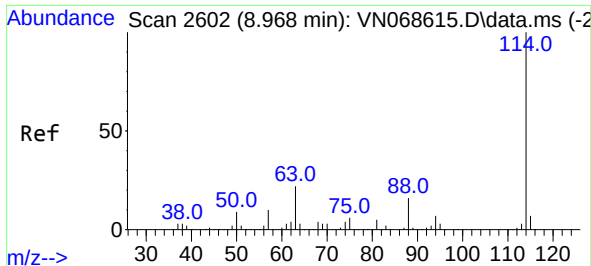
Tgt Ion: 56 Resp: 16212
Ion Ratio Lower Upper
56 100
69 142.0 27.3 40.9#
84 91.3 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 54.381 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 65 Resp: 508794
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6

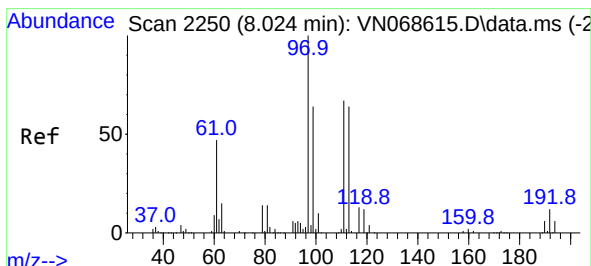
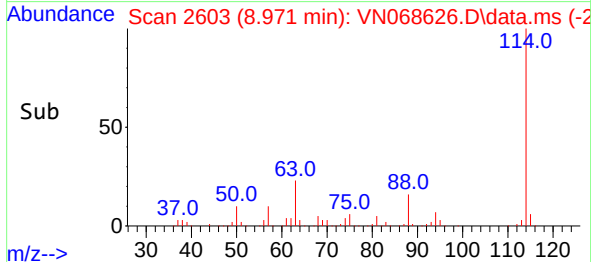
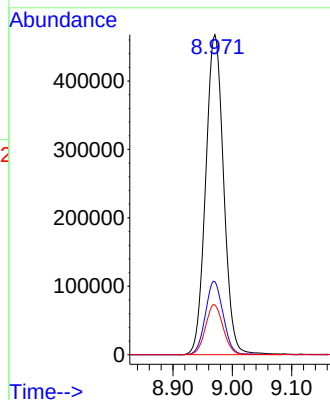
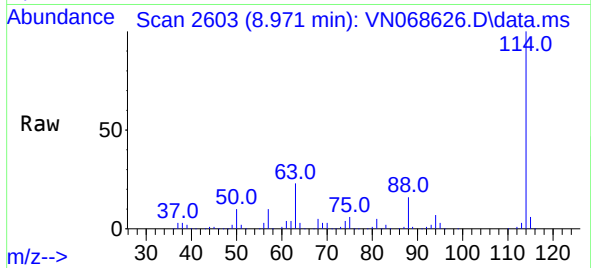




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

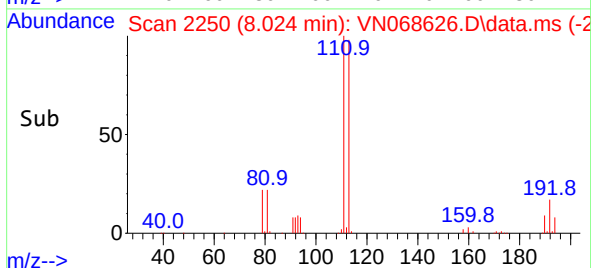
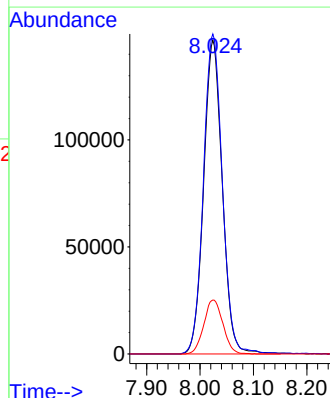
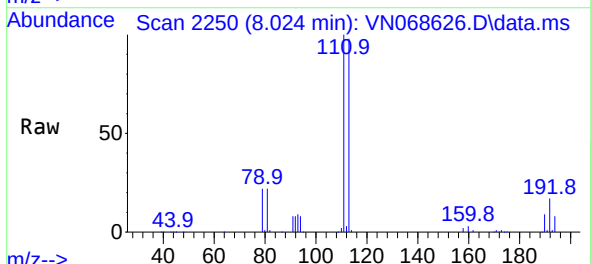
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

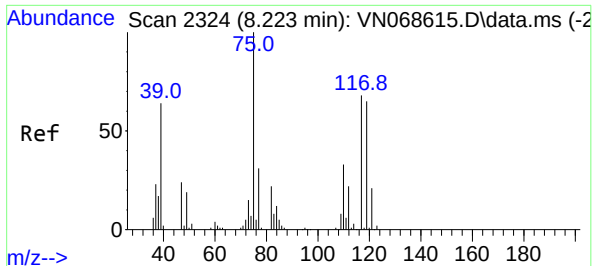
Tgt Ion:114 Resp: 984159
Ion Ratio Lower Upper
114 100
63 22.8 0.0 49.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.971 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion:113 Resp: 355117
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.8
192 17.6 13.4 20.0

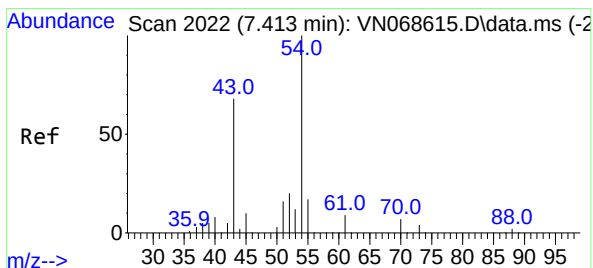
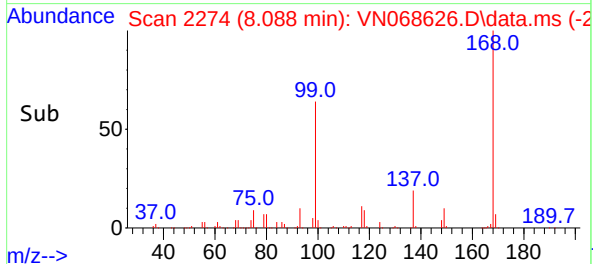
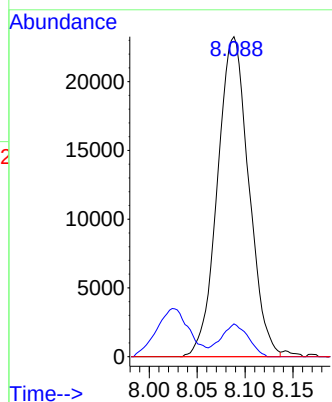
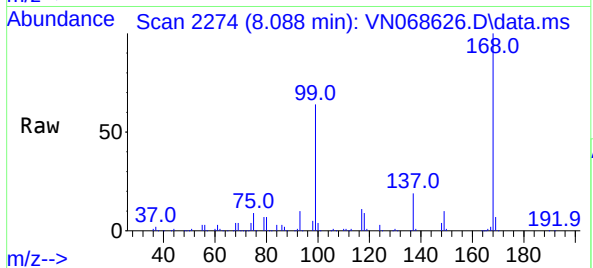




#36
1,1-Dichloropropene
Concen: 5.313 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

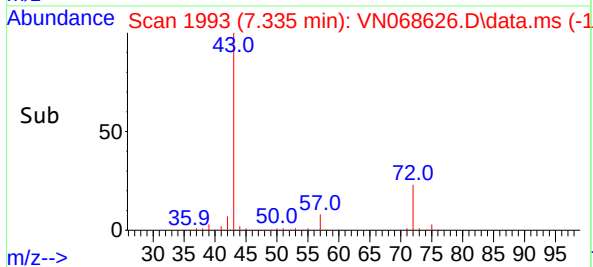
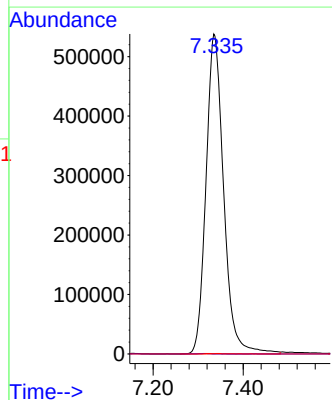
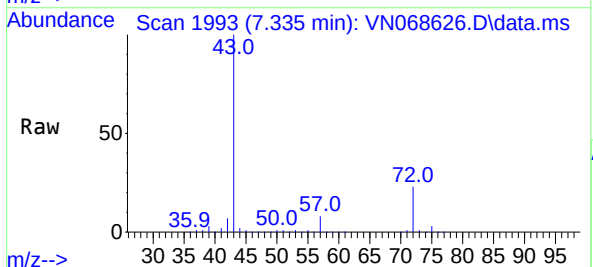
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

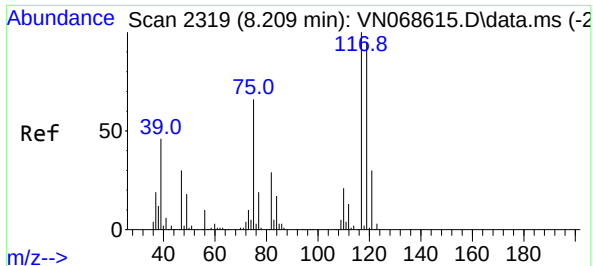
Tgt Ion: 75 Resp: 52814
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 129.844 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.078 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 43 Resp: 1465242
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.1 8.1 12.1#

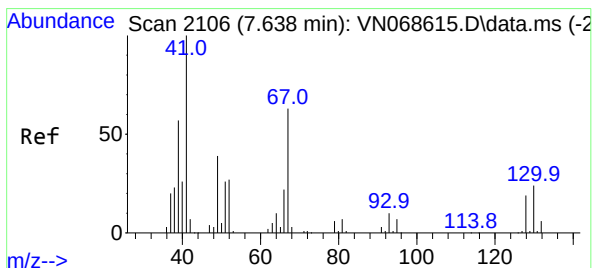
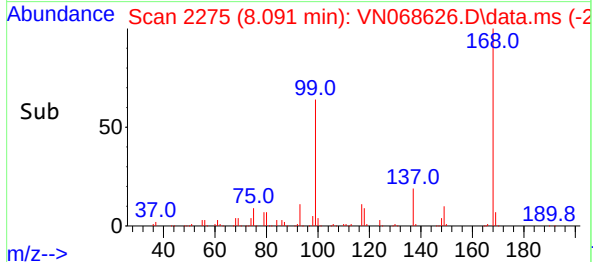
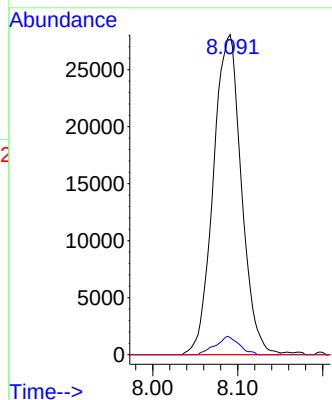
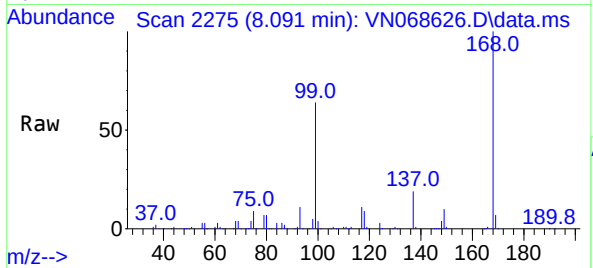




#38
Carbon Tetrachloride
Concen: 6.269 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

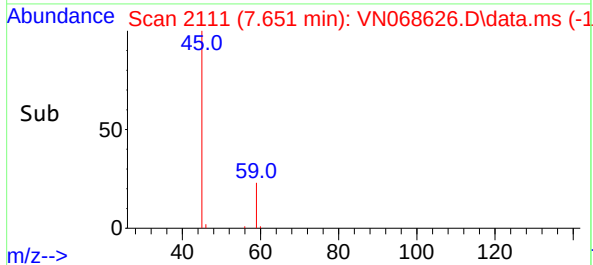
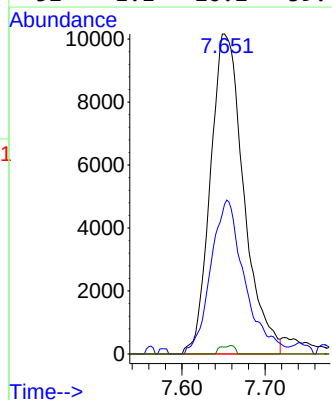
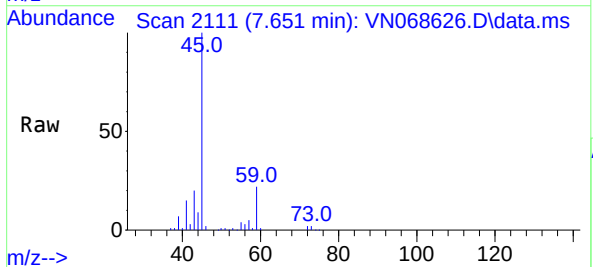
Instrument :
MSVOA_N
ClientSampleId :
AUD-1183

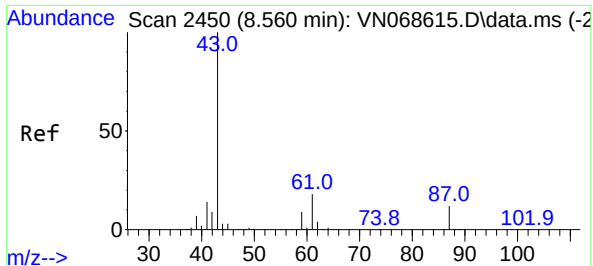
Tgt Ion:117 Resp: 64356
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 4.746 ug/l
RT: 7.651 min Scan# 2111
Delta R.T. 0.013 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 41 Resp: 28324
Ion Ratio Lower Upper
41 100
39 49.0 47.6 71.4
67 0.0 57.7 86.5#
52 1.1 26.2 39.4#

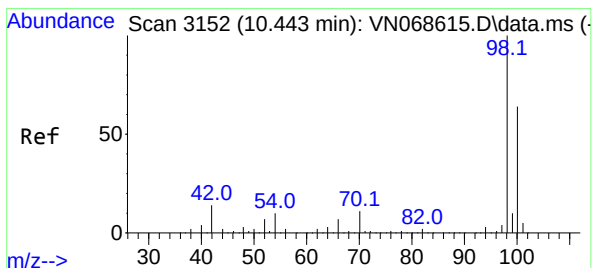
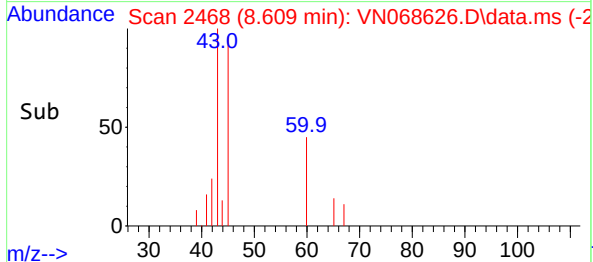
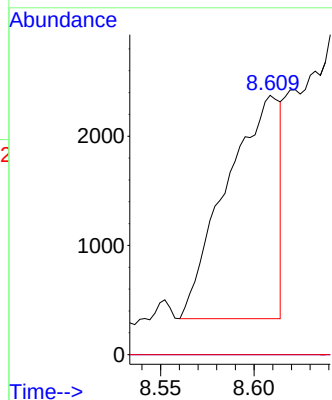
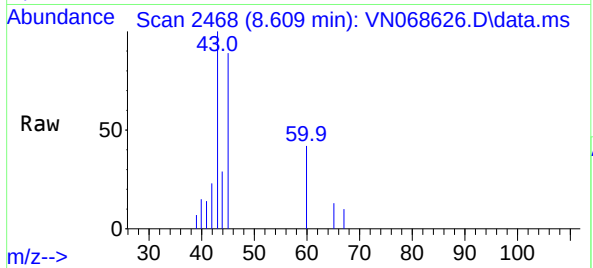




#43
Isopropyl Acetate
Concen: 0.211 ug/l
RT: 8.609 min Scan# 2468
Delta R.T. 0.049 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

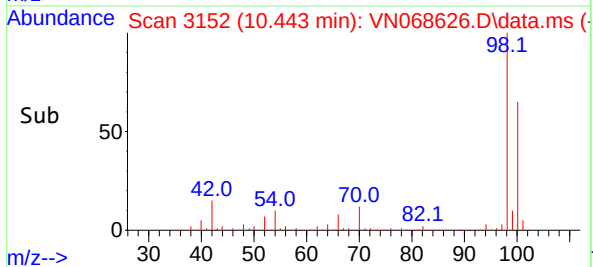
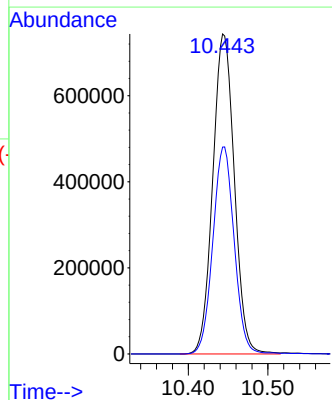
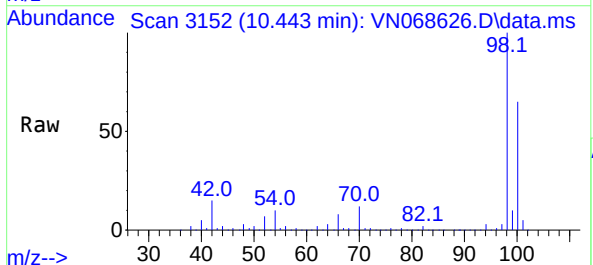
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

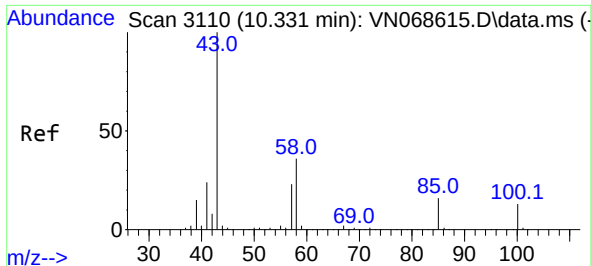
Tgt Ion: 43 Resp: 4068
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 50.222 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 98 Resp: 1401767
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

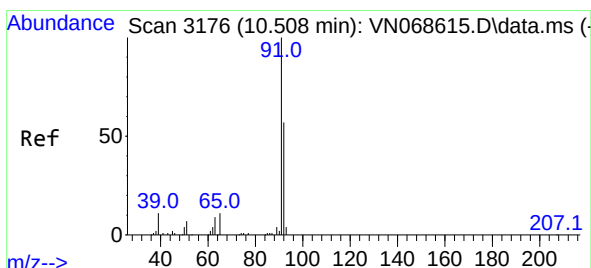
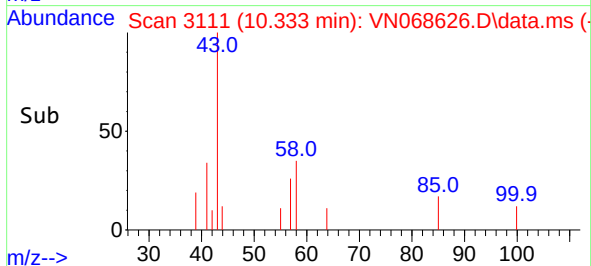
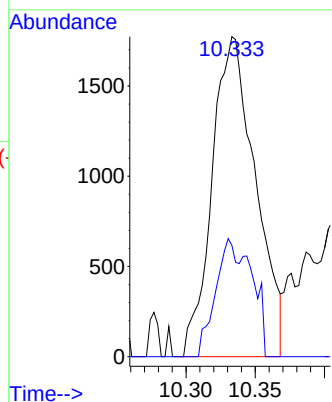
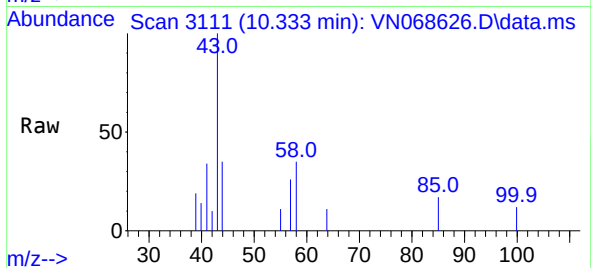




#51
4-Methyl-2-Pentanone
Concen: 0.331 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

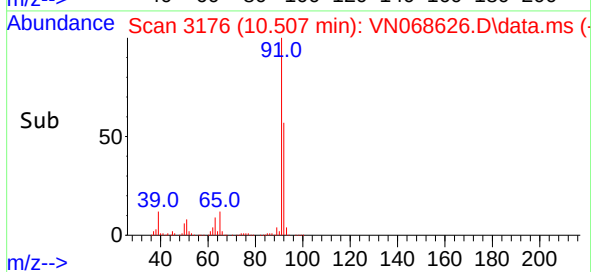
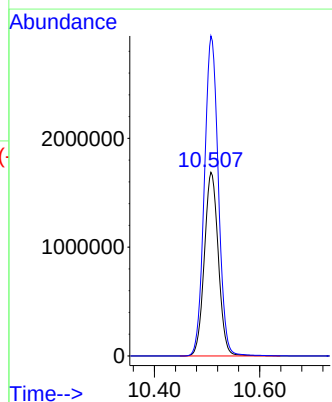
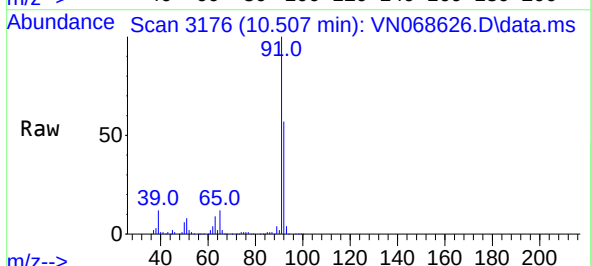
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

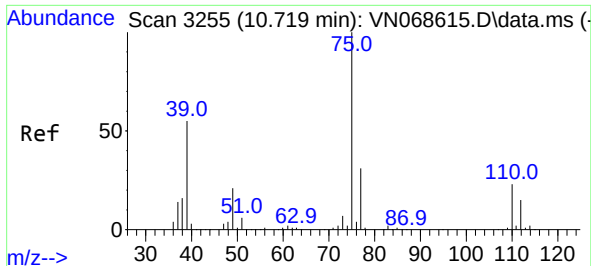
Tgt Ion: 43 Resp: 3869
Ion Ratio Lower Upper
43 100
58 19.1 28.6 43.0#



#52
Toluene
Concen: 167.907 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.001 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 92 Resp: 3103961
Ion Ratio Lower Upper
92 100
91 174.5 139.6 209.4

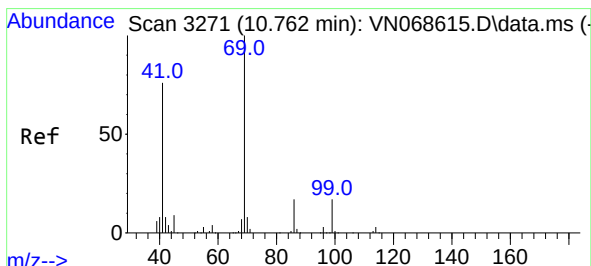
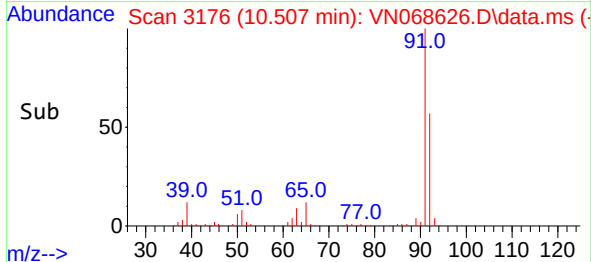
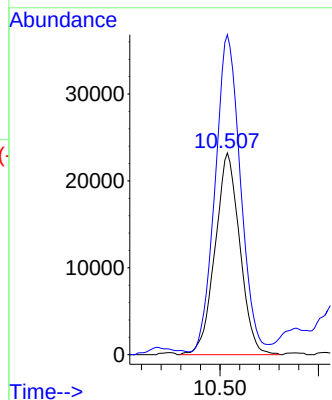
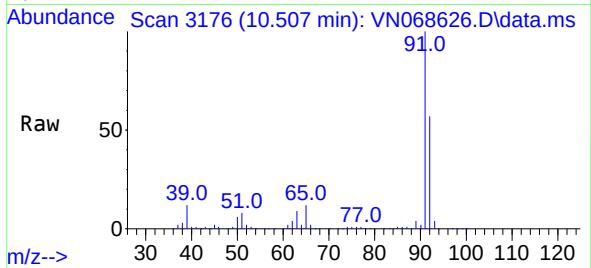




#53
t-1,3-Dichloropropene
Concen: 3.498 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.212 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

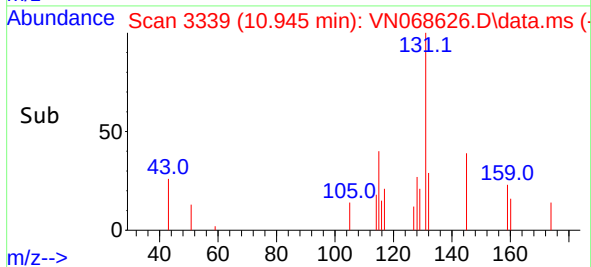
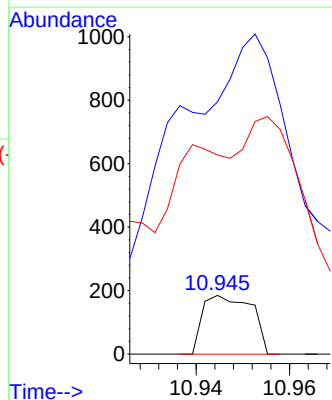
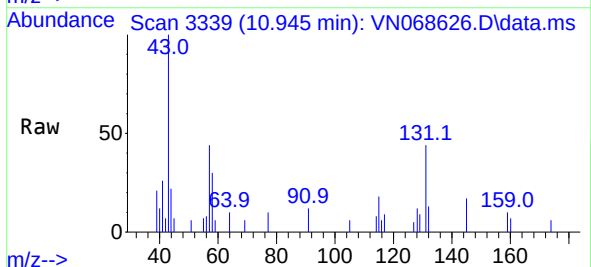
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

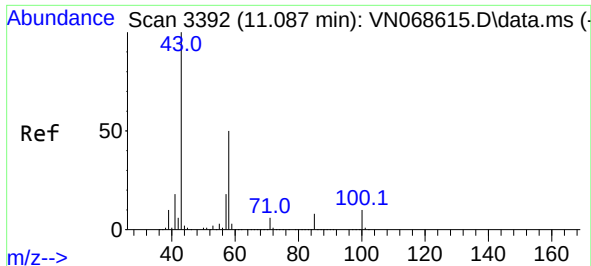
Tgt Ion: 75 Resp: 40636
Ion Ratio Lower Upper
75 100
77 156.5 25.1 37.7#



#56
Ethyl methacrylate
Concen: 0.716 ug/l
RT: 10.945 min Scan# 3339
Delta R.T. 0.183 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 69 Resp: 134
Ion Ratio Lower Upper
69 100
41 1415.7 58.6 88.0#
39 0.0 38.3 57.5#

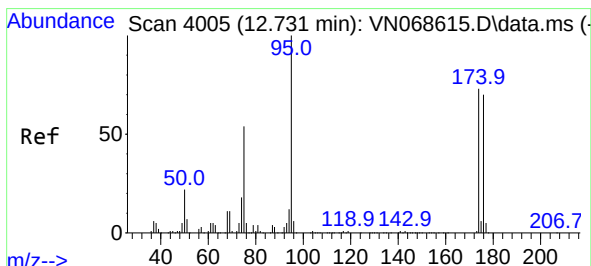
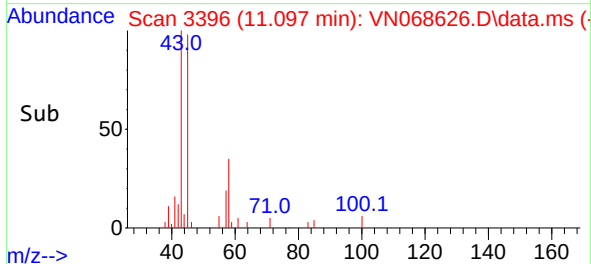
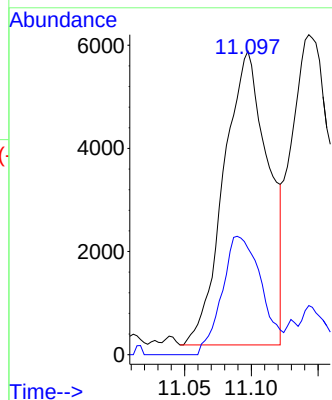
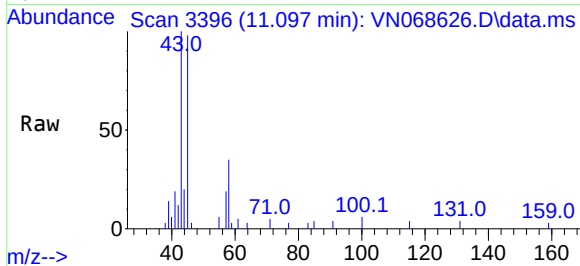




#59
2-Hexanone
Concen: 1.566 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.010 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

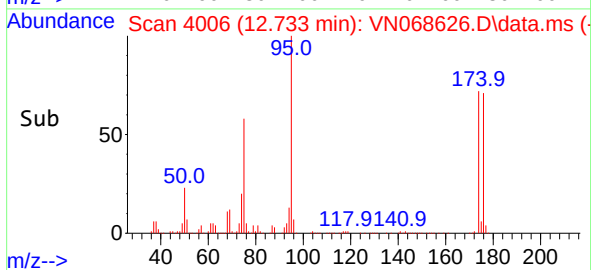
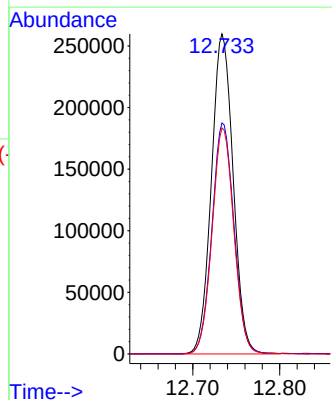
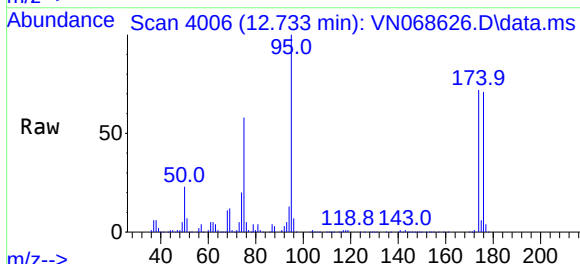
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

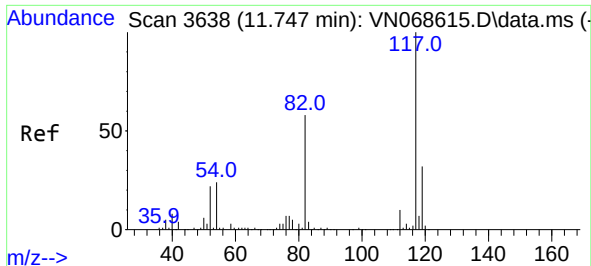
Tgt Ion: 43 Resp: 13150
Ion Ratio Lower Upper
43 100
58 36.3 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 47.286 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 95 Resp: 451383
Ion Ratio Lower Upper
95 100
174 73.1 0.0 122.0
176 70.6 0.0 117.6

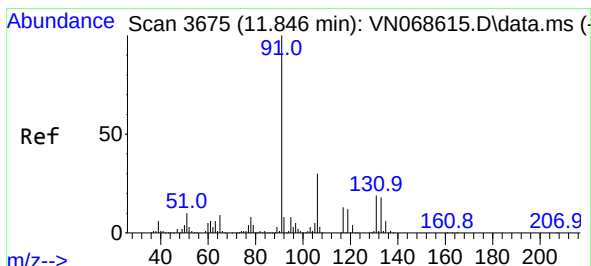
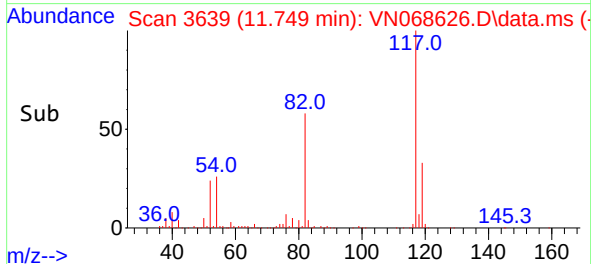
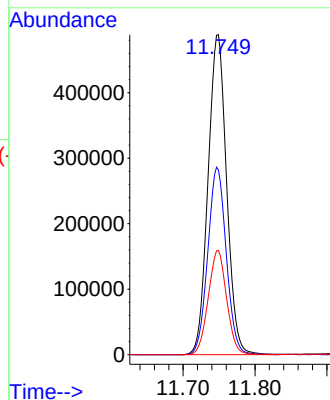
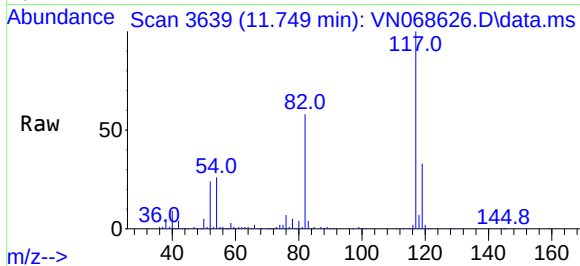




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

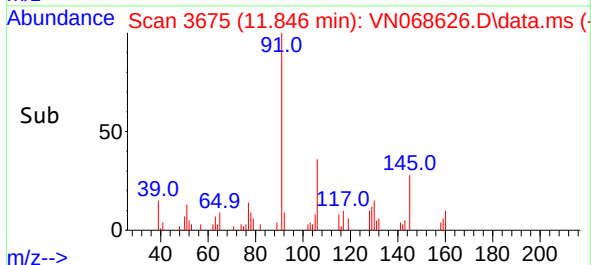
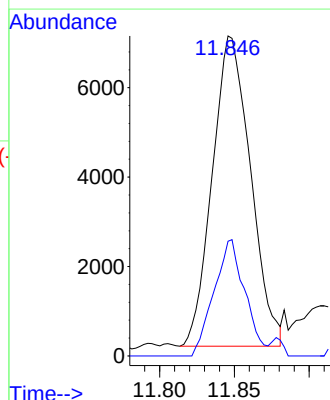
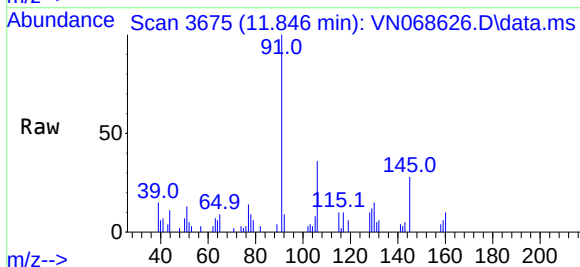
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

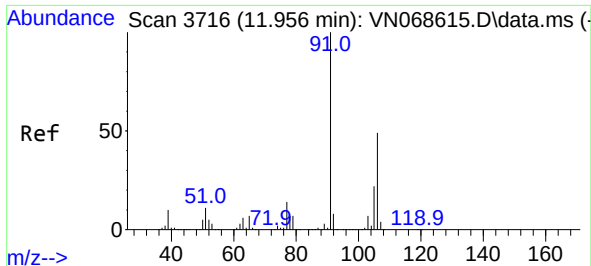
Tgt Ion:	117	Resp:	878672
Ion	Ratio	Lower	Upper
117	100		
82	57.8	53.1	79.7
119	32.6	25.5	38.3



#67
Ethyl Benzene
Concen: 0.365 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. -0.000 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion:	91	Resp:	12329
Ion	Ratio	Lower	Upper
91	100		
106	37.0	23.4	35.0#

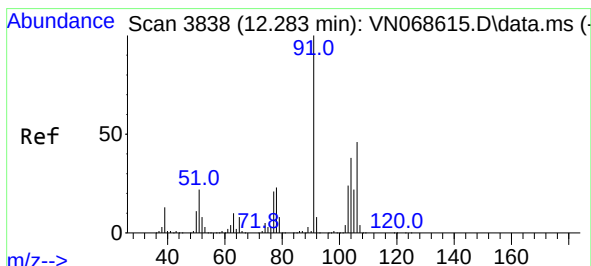
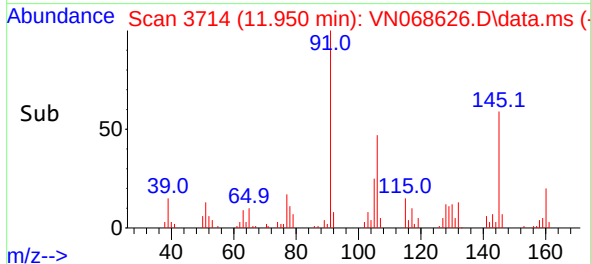
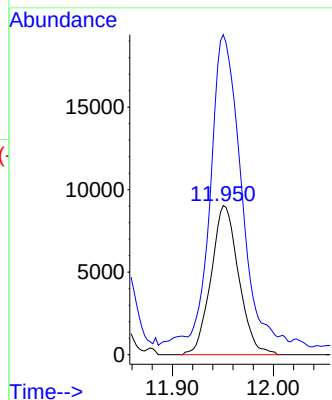
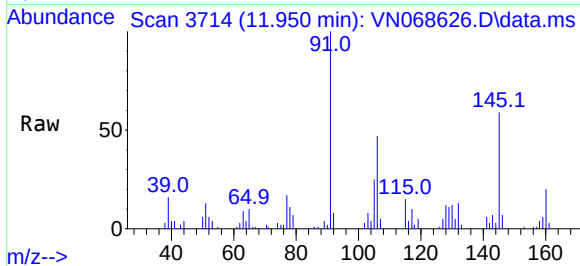




#68
m/p-Xylenes
Concen: 1.382 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

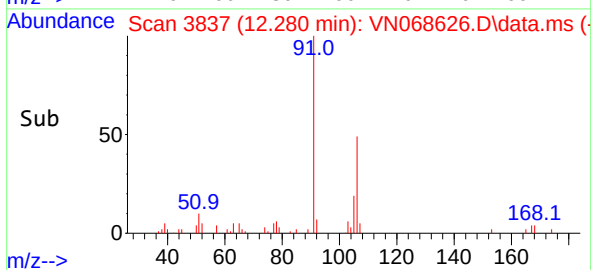
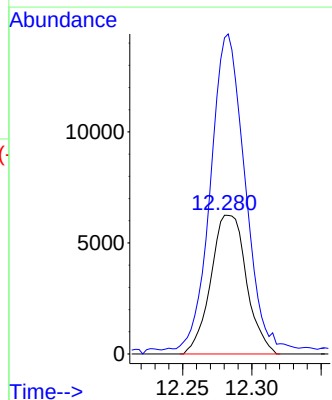
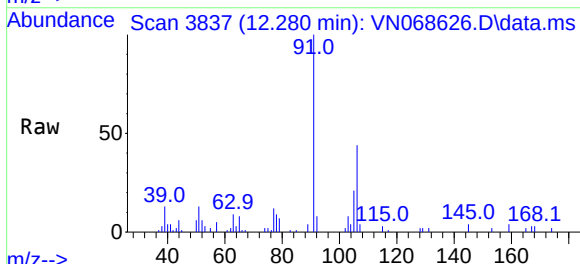
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

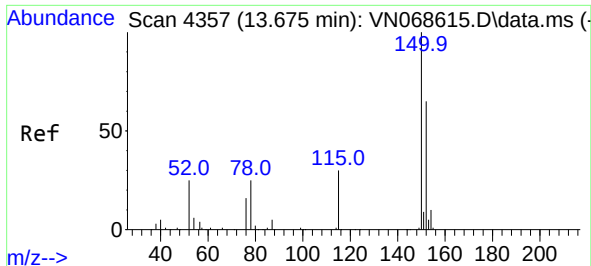
Tgt Ion:106 Resp: 17158
Ion Ratio Lower Upper
106 100
91 218.1 180.6 270.8



#69
o-Xylene
Concen: 0.915 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion:106 Resp: 11157
Ion Ratio Lower Upper
106 100
91 218.5 118.3 354.9

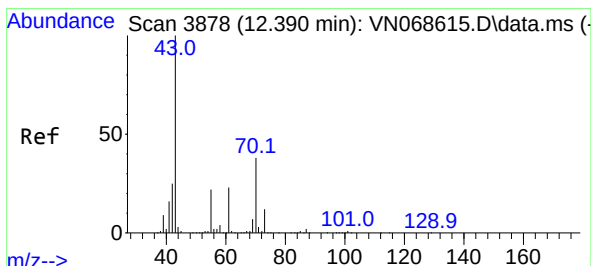
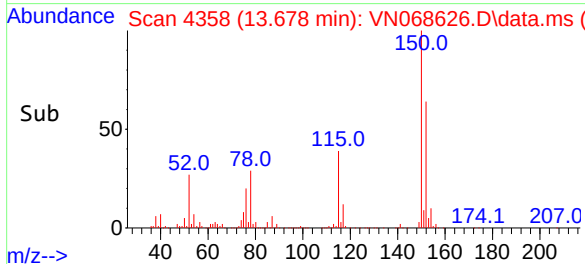
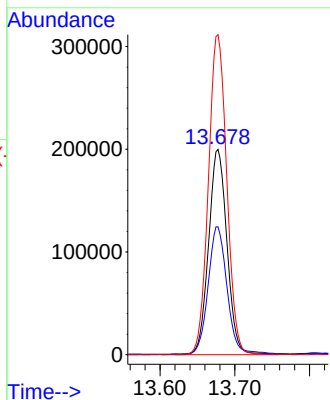
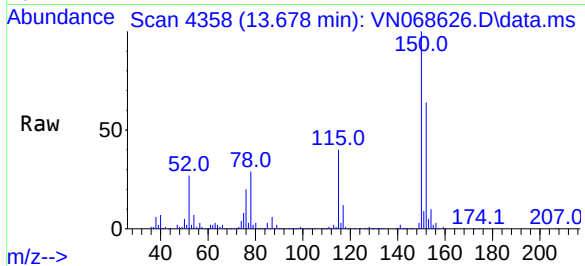




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

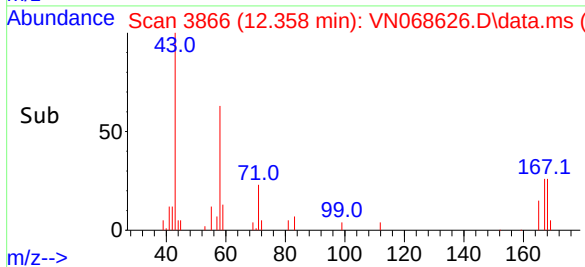
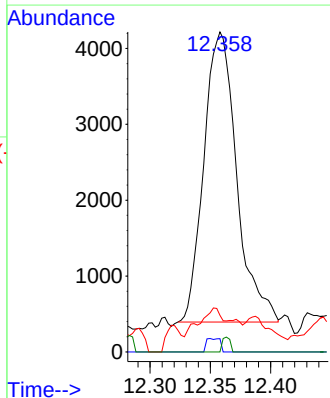
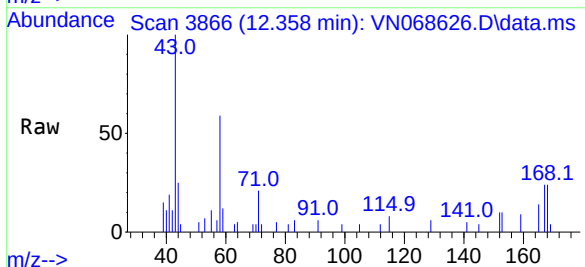
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

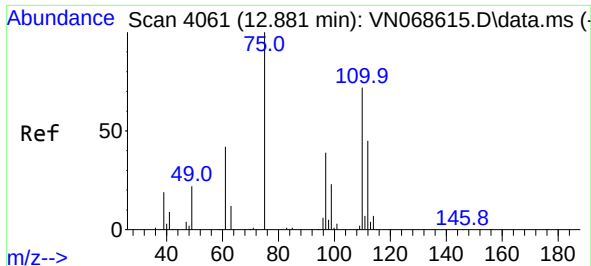
Tgt Ion:152 Resp: 342000
Ion Ratio Lower Upper
152 100
115 63.4 36.1 108.5
150 155.2 0.0 351.8



#74
N-ethyl acetate
Concen: 0.554 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.032 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 43 Resp: 7251
Ion Ratio Lower Upper
43 100
70 1.9 29.4 44.2#
55 6.8 17.0 25.4#
61 1.2 17.6 26.4#

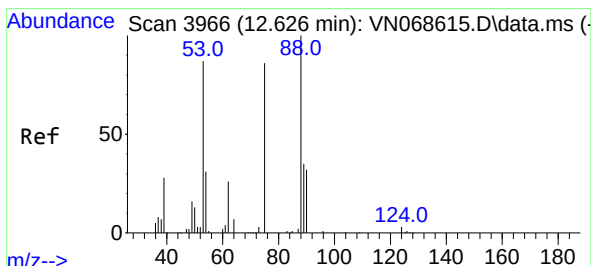
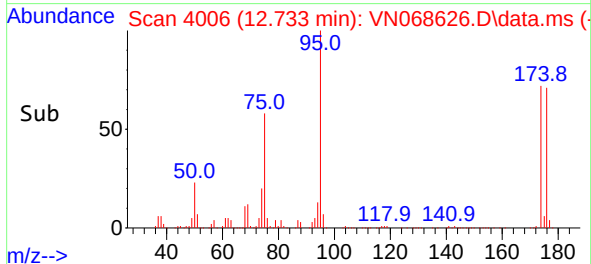
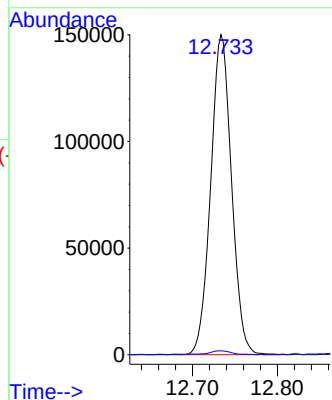
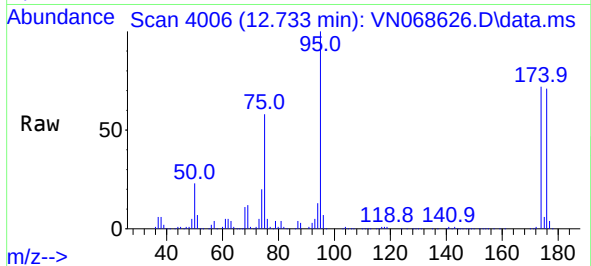




#76
1,2,3-Trichloropropane
Concen: 30.174 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

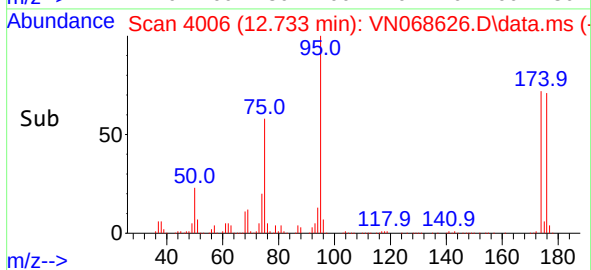
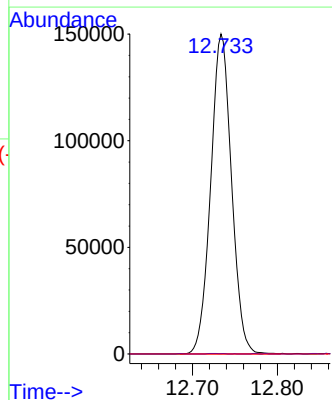
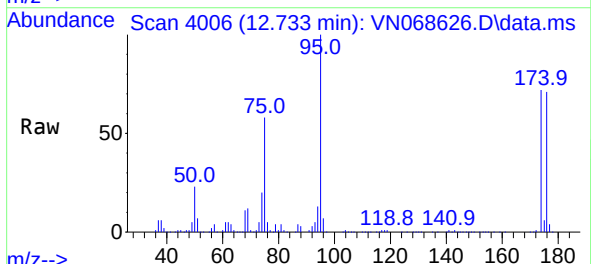
Instrument :
MSVOA_N
ClientSampled :
AUD-1183

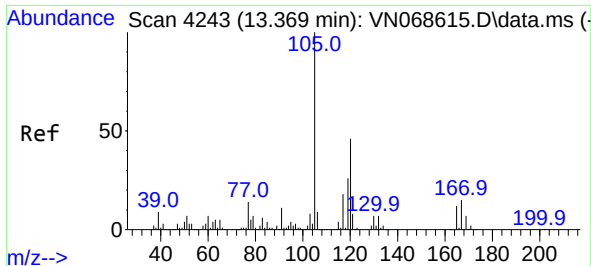
Tgt Ion: 75 Resp: 255159
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.234 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion: 75 Resp: 255159
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

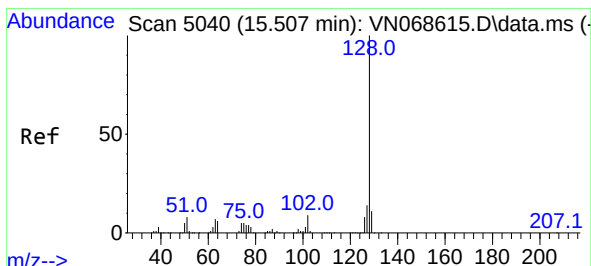
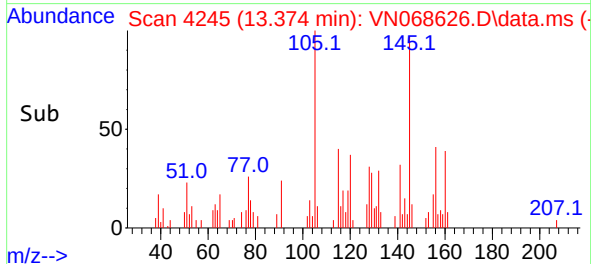
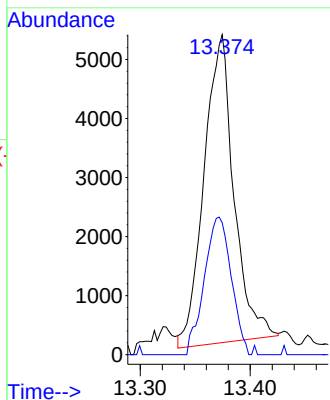
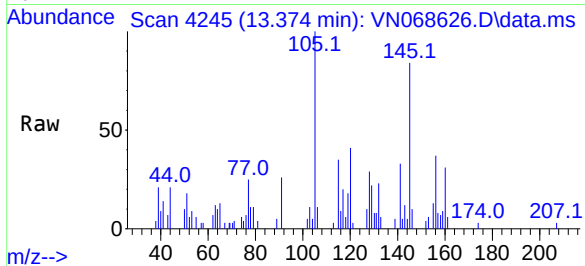




#84
1,2,4-Trimethylbenzene
Concen: 0.420 ug/l
RT: 13.374 min Scan# 4245
Delta R.T. 0.005 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Instrument :
MSVOA_N
ClientSampled :
AUD-1183

Tgt Ion:105 Resp: 9853
Ion Ratio Lower Upper
105 100
120 40.2 20.6 61.8



#95
Naphthalene
Concen: 2.740 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068626.D
Acq: 23 Sep 2021 17:51

Tgt Ion:128 Resp: 19458
Ion Ratio Lower Upper
128 100
127 14.0 10.6 15.8
129 11.7 8.6 12.8

