

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120121\
 Data File : VX025408.D
 Acq On : 01 Dec 2021 13:15
 Operator : JC/MD
 Sample : M4866-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 16986

Quant Time: Dec 02 08:27:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

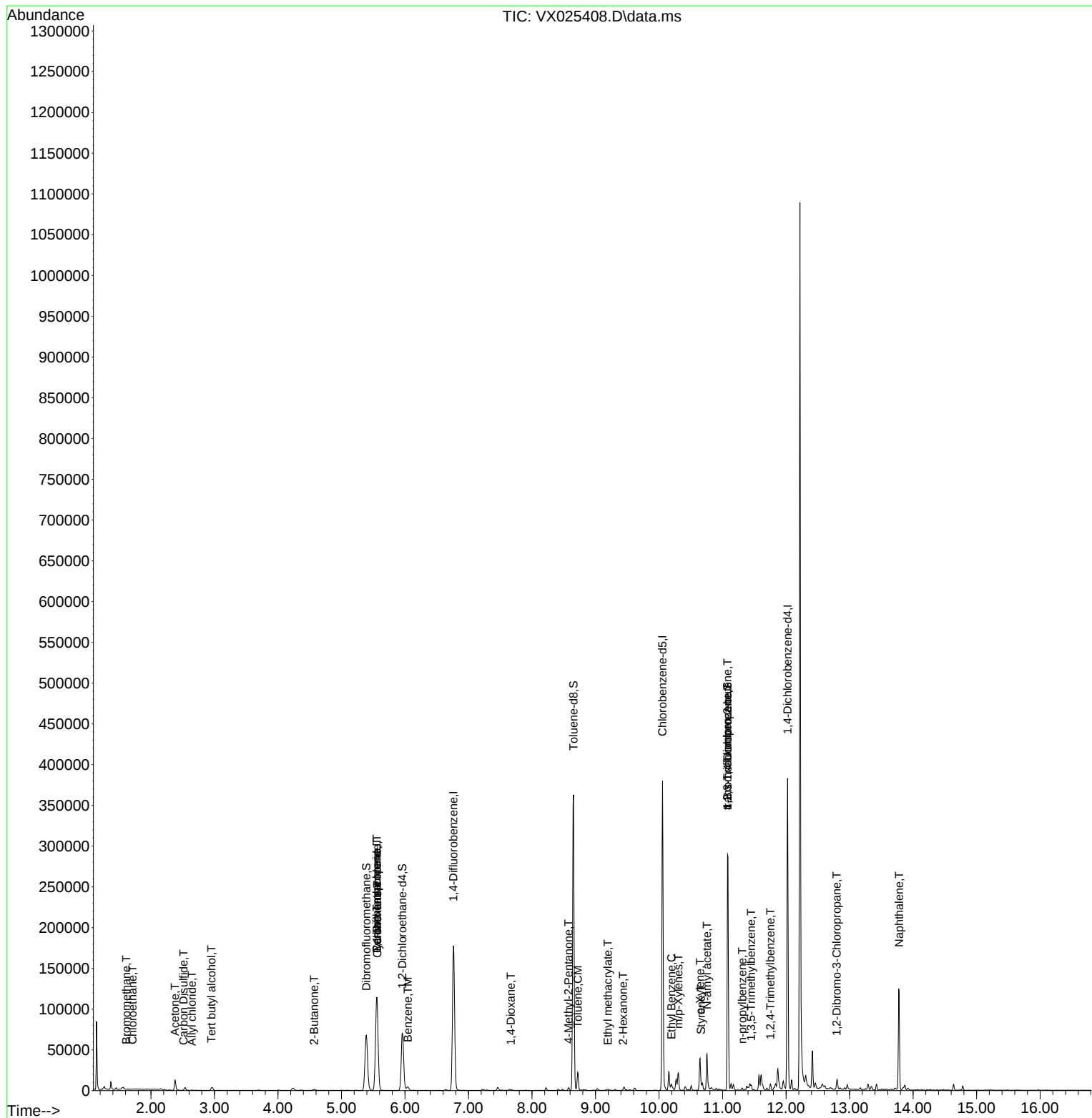
Internal Standards						
1) Pentafluorobenzene	5.556	168	117388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	192477	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66943	54.102	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.200%			
35) Dibromofluoromethane	5.391	113	59693	50.546	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.100%			
50) Toluene-d8	8.653	98	222442	50.096	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.200%			
62) 4-Bromofluorobenzene	11.079	95	79225	47.163	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.320%			
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	164	0.276	ug/l	81
6) Chloroethane	1.709	64	263	0.276	ug/l #	43
11) Tert butyl alcohol	2.953	59	4730	6.754	ug/l	99
14) Allyl chloride	2.642	41	466	0.237	ug/l #	35
16) Acetone	2.380	43	12792	18.605	ug/l	96
17) Carbon Disulfide	2.514	76	715	0.234	ug/l #	76
25) 2-Butanone	4.568	43	2687	2.703	ug/l	97
31) Cyclohexane	5.562	56	2201	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7943	4.730	ug/l #	49
38) Carbon Tetrachloride	5.556	117	11070	5.985	ug/l #	16
40) Benzene	6.044	78	5214	1.025	ug/l	93
49) 1,4-Dioxane	7.665	88	434	13.772	ug/l #	68
51) 4-Methyl-2-Pentanone	8.574	43	2079	1.043	ug/l	100
52) Toluene	8.720	92	8101	2.439	ug/l	99
56) Ethyl methacrylate	9.195	69	542	0.253	ug/l #	53
59) 2-Hexanone	9.433	43	553	0.352	ug/l	88
67) Ethyl Benzene	10.195	91	4728	0.770	ug/l	93
68) m/p-Xylenes	10.305	106	5141	2.051	ug/l	100
69) o-Xylene	10.646	106	8664	3.531	ug/l	96
70) Styrene	10.659	104	2619	0.646	ug/l #	58
74) N-amyl acetate	10.756	43	8776	3.514	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	38334	23.106	ug/l #	37
78) n-propylbenzene	11.311	91	1583	0.244	ug/l	89
80) 1,3,5-Trimethylbenzene	11.451	105	2555	0.526	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	38334	58.209	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.756	105	3292	0.686	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.798	75	125	0.320	ug/l #	1
95) Naphthalene	13.780	128	79473	14.270	ug/l	99

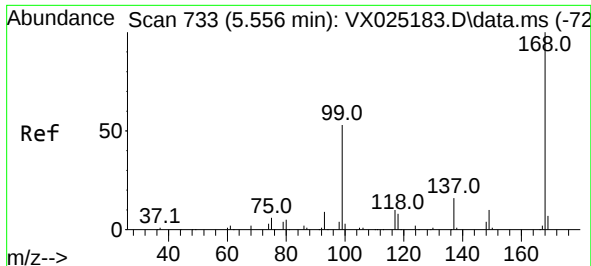
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120121\
Data File : VX025408.D
Acq On : 01 Dec 2021 13:15
Operator : JC/MD
Sample : M4866-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
16986

Quant Time: Dec 02 08:27:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration

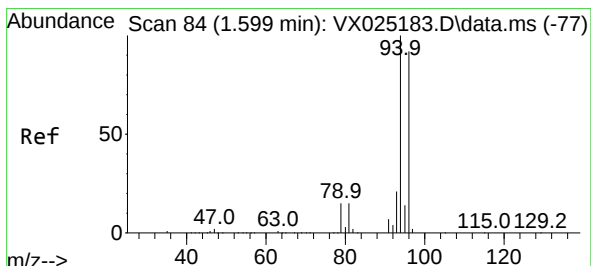
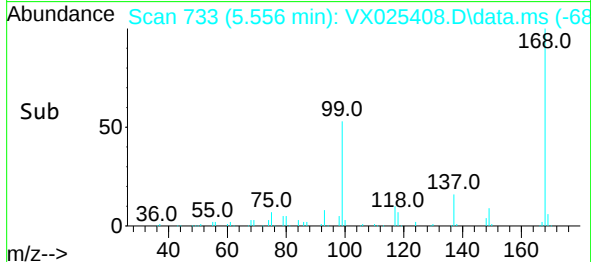
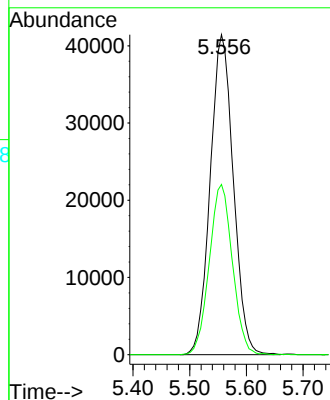
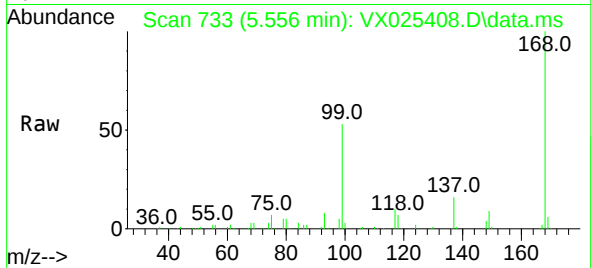




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

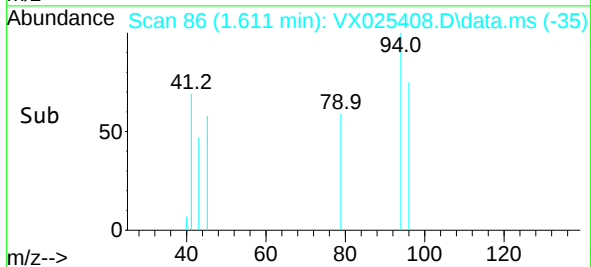
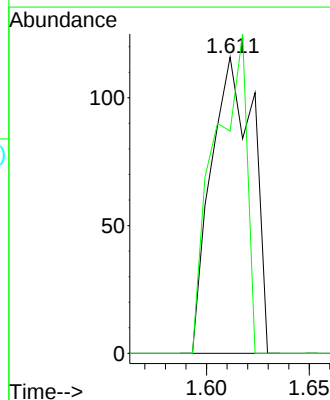
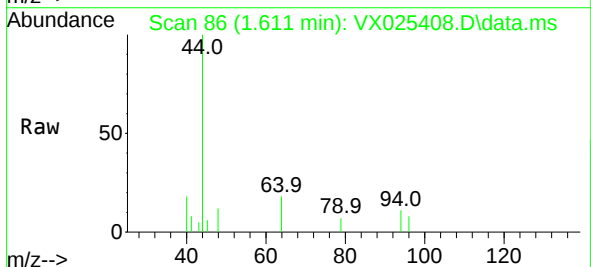
Instrument :
MSVOA_X
ClientSampleId :
16986

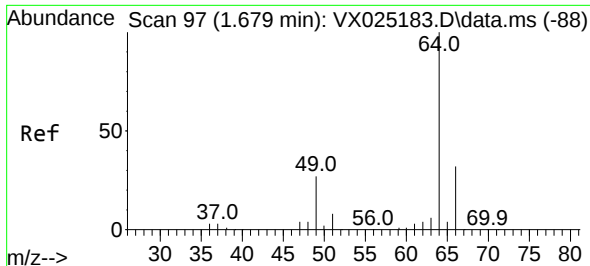
Tgt Ion:168 Resp: 117388
Ion Ratio Lower Upper
168 100
99 53.2 46.4 69.6



#5
Bromomethane
Concen: 0.276 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 94 Resp: 164
Ion Ratio Lower Upper
94 100
96 75.0 74.8 112.2

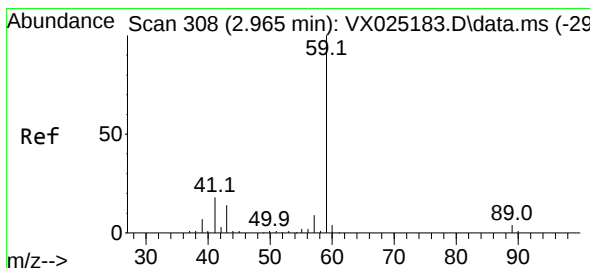
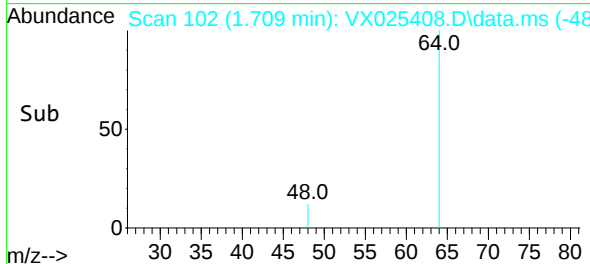
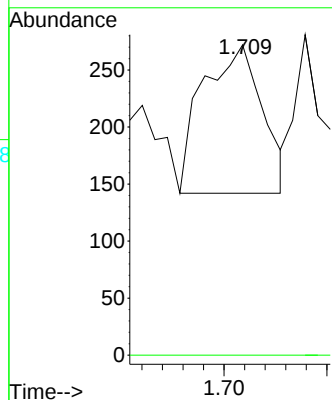
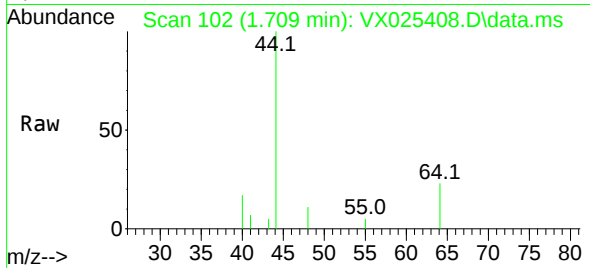




#6
Chloroethane
Concen: 0.276 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.030 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

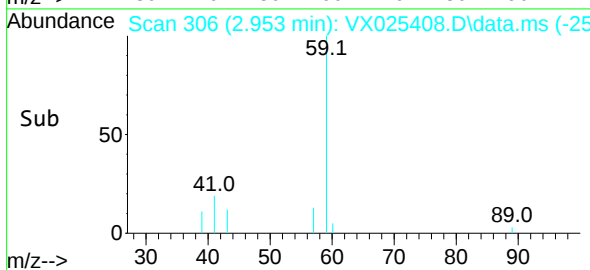
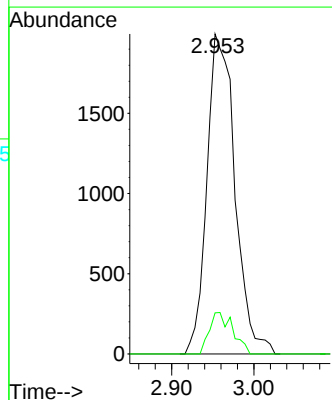
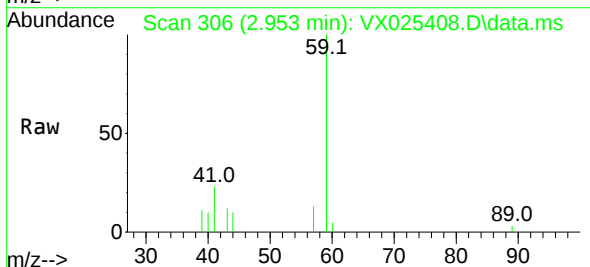
Instrument :
MSVOA_X
ClientSampleId :
16986

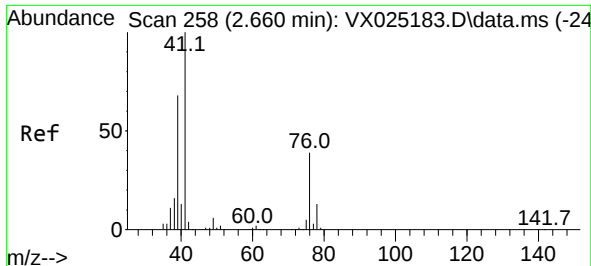
Tgt Ion: 64 Resp: 263
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#11
Tert butyl alcohol
Concen: 6.754 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 59 Resp: 4730
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

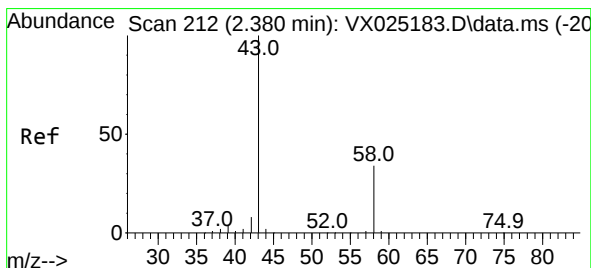
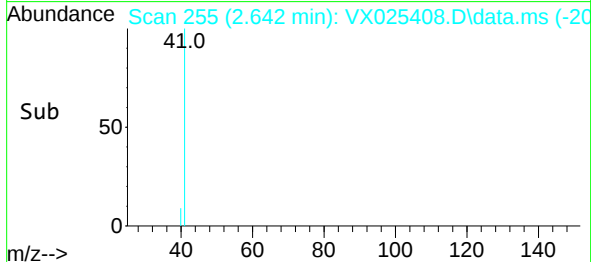
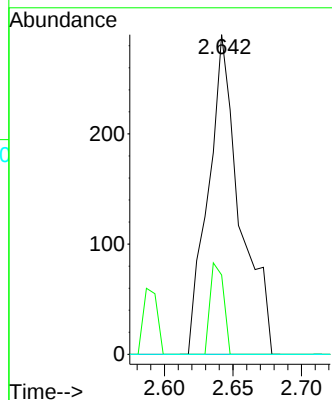
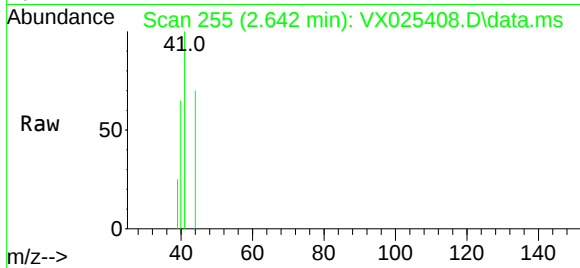




#14
 Allyl chloride
 Concen: 0.237 ug/l
 RT: 2.642 min Scan# 215
 Delta R.T. -0.018 min
 Lab File: VX025408.D
 Acq: 01 Dec 2021 13:15

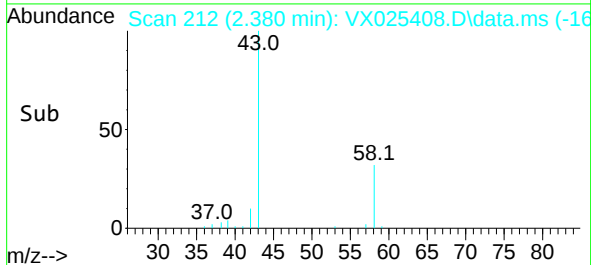
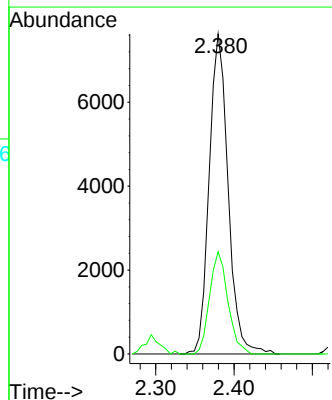
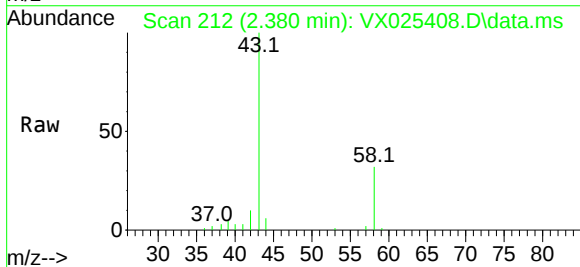
Instrument :
 MSVOA_X
 ClientSampleId :
 16986

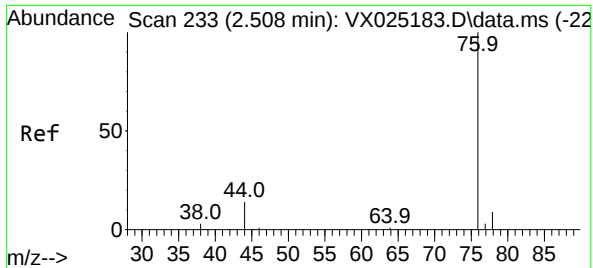
Tgt Ion: 41 Resp: 466
 Ion Ratio Lower Upper
 41 100
 39 12.2 54.6 82.0#
 76 0.0 25.3 37.9#



#16
 Acetone
 Concen: 18.605 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX025408.D
 Acq: 01 Dec 2021 13:15

Tgt Ion: 43 Resp: 12792
 Ion Ratio Lower Upper
 43 100
 58 31.9 24.0 36.0

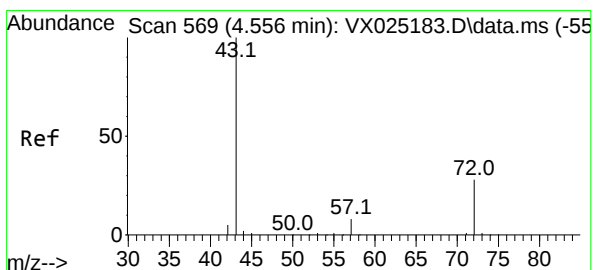
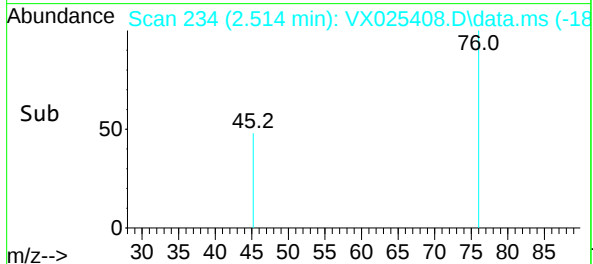
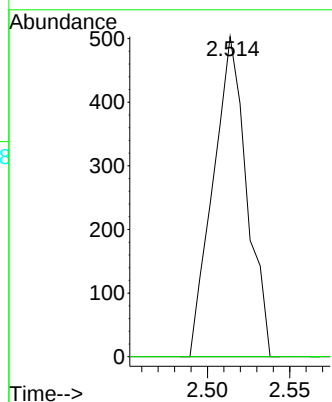
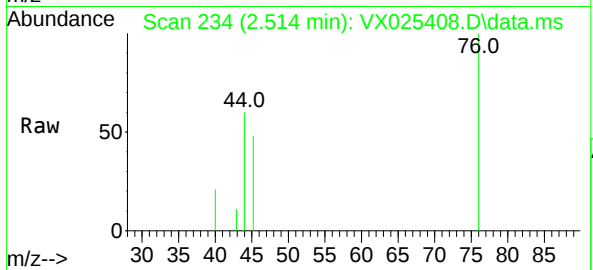




#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

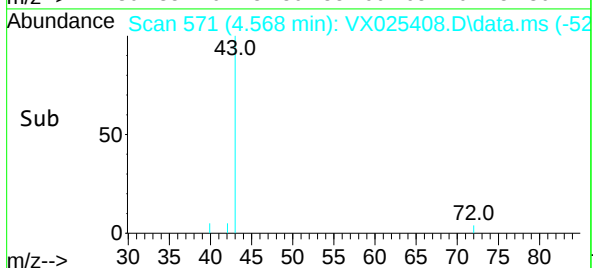
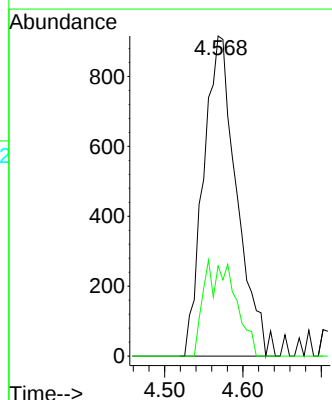
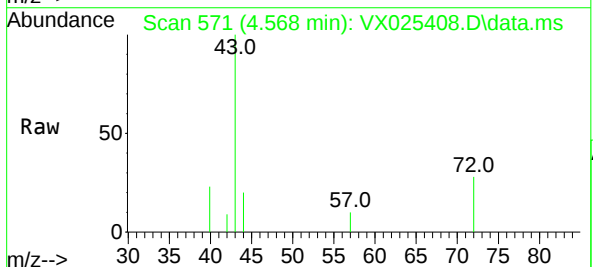
Instrument :
MSVOA_X
ClientSampleId :
16986

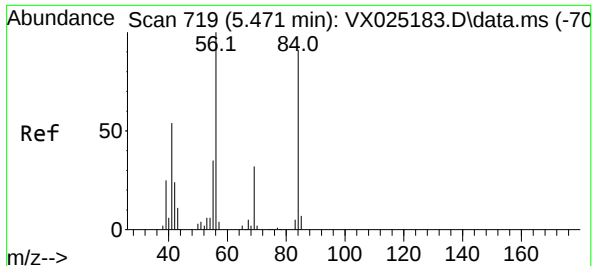
Tgt Ion: 76 Resp: 715
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#25
2-Butanone
Concen: 2.703 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
72 28.2 21.2 31.8

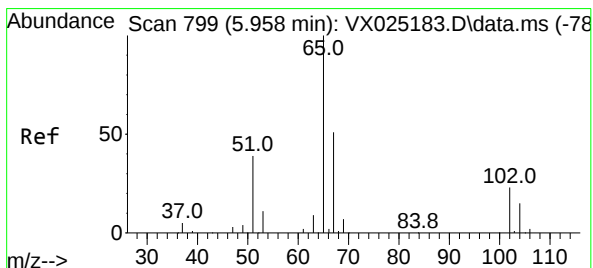
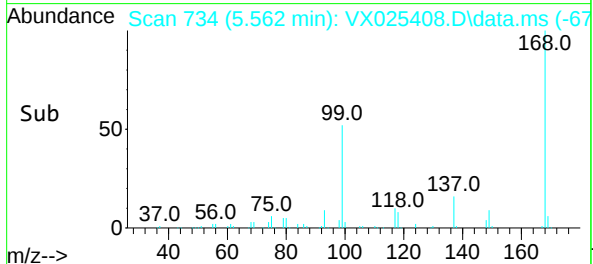
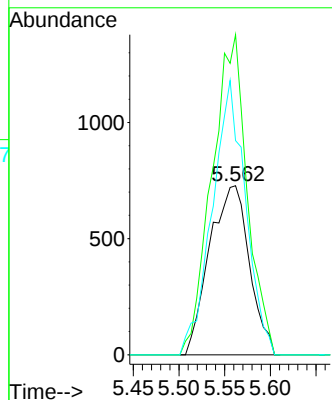
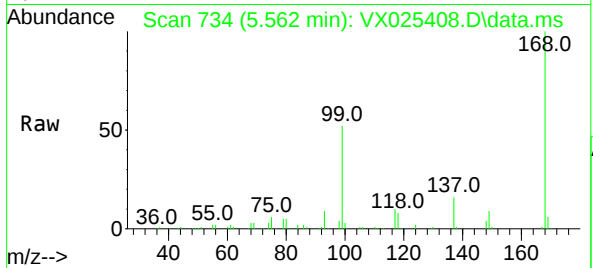




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

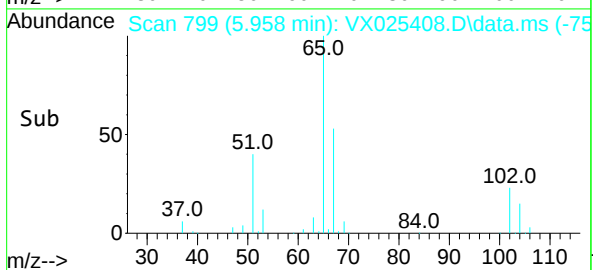
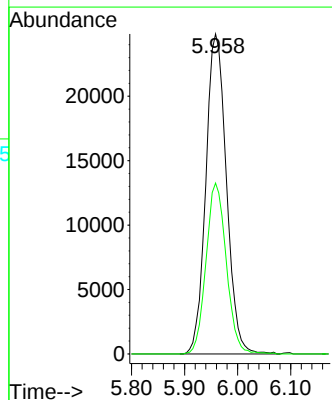
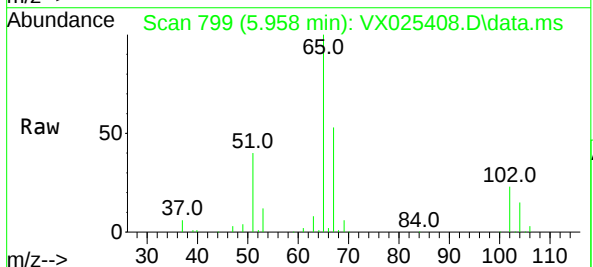
Instrument :
MSVOA_X
ClientSampleId :
16986

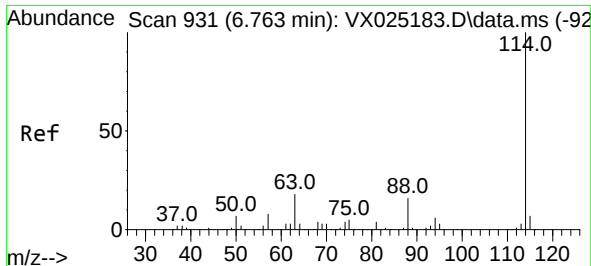
Tgt Ion: 56 Resp: 2201
Ion Ratio Lower Upper
56 100
69 189.3 24.2 36.2#
84 126.6 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 54.102 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 65 Resp: 66943
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.0

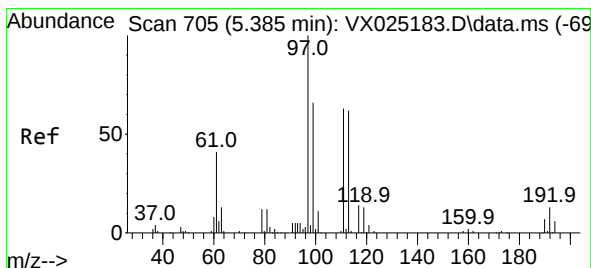
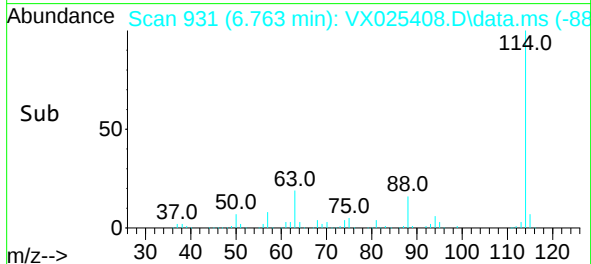
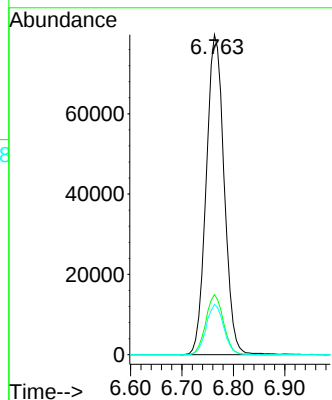
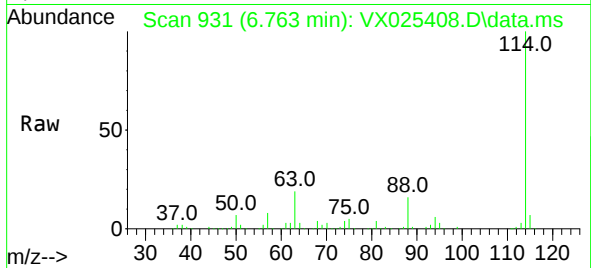




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

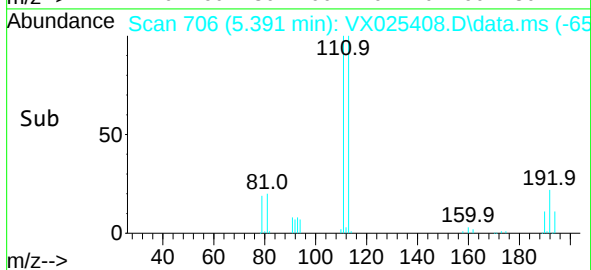
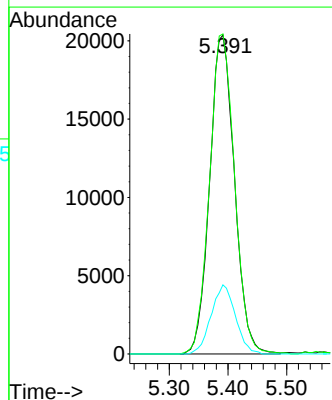
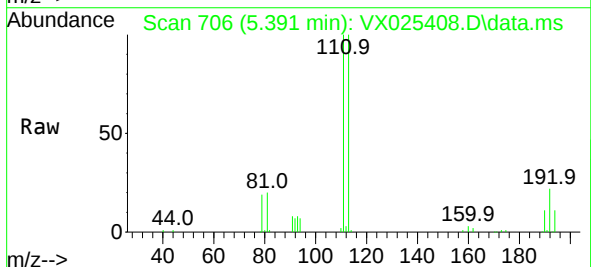
Instrument :
MSVOA_X
ClientSampleId :
16986

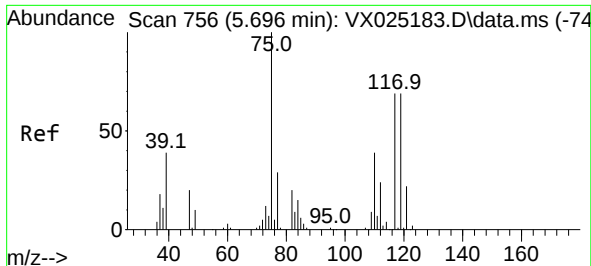
Tgt Ion:114 Resp: 192477
Ion Ratio Lower Upper
114 100
63 18.8 0.0 41.0
88 15.8 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.546 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion:113 Resp: 59693
Ion Ratio Lower Upper
113 100
111 101.2 82.1 123.1
192 21.3 15.6 23.4

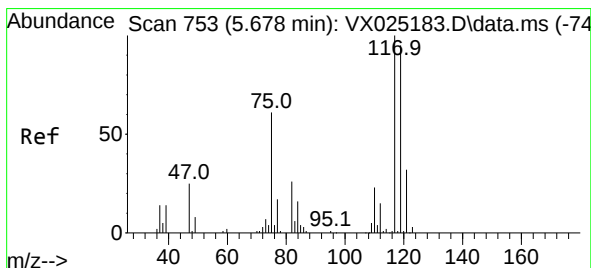
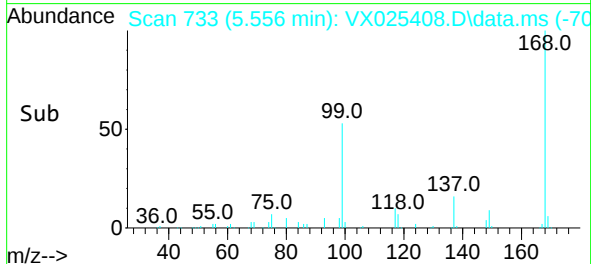
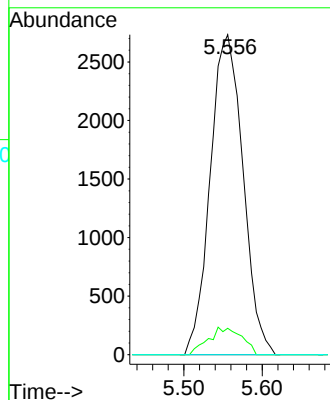
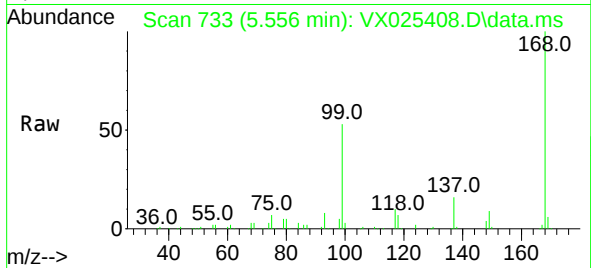




#36
1,1-Dichloropropene
Concen: 4.730 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

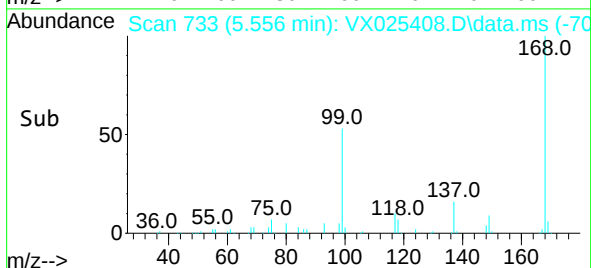
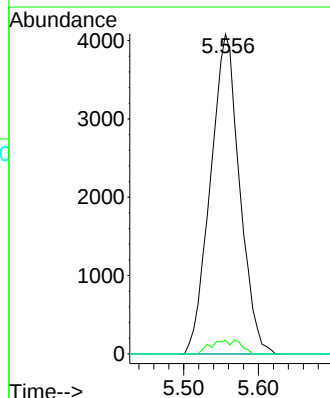
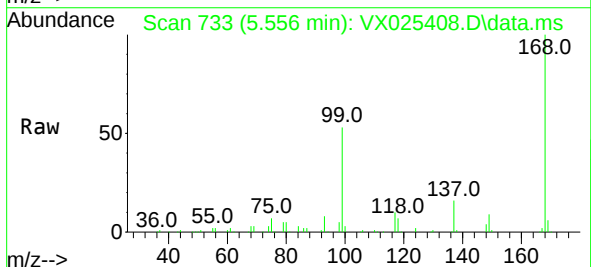
Instrument :
MSVOA_X
ClientSampleId :
16986

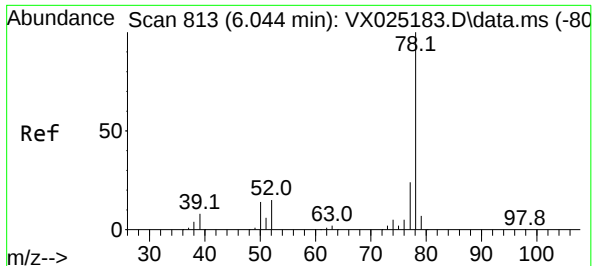
Tgt Ion: 75 Resp: 7943
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.3#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 117 Resp: 11070
Ion Ratio Lower Upper
117 100
119 4.3 75.6 113.4#
121 0.0 23.7 35.5#

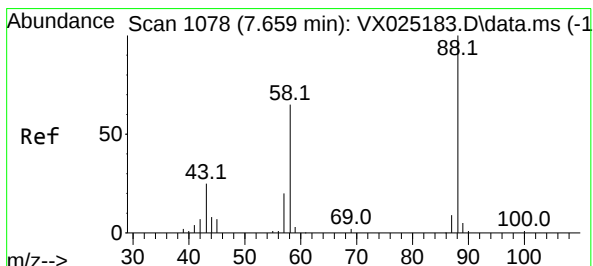
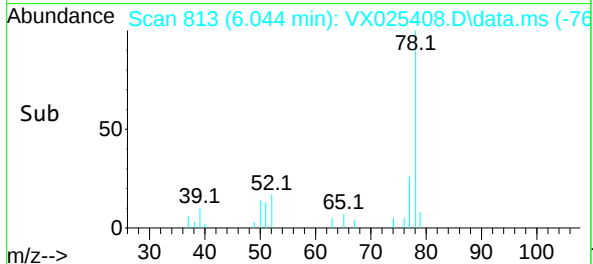
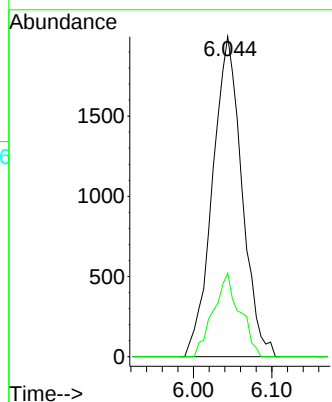
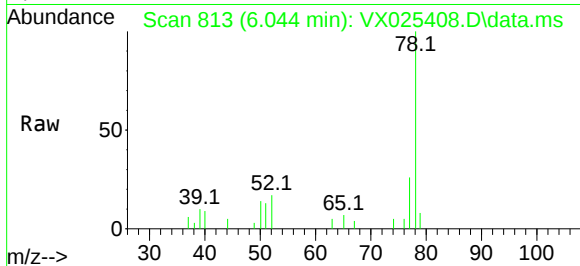




#40
Benzene
Concen: 1.025 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

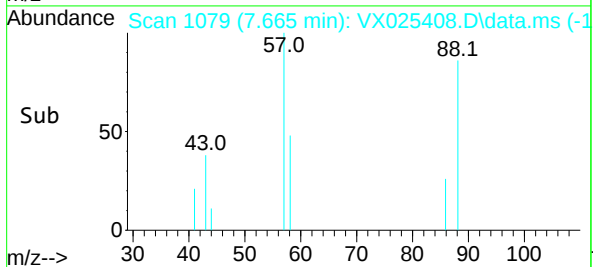
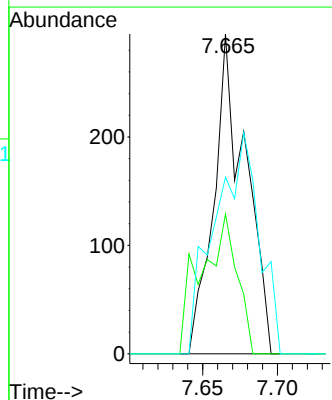
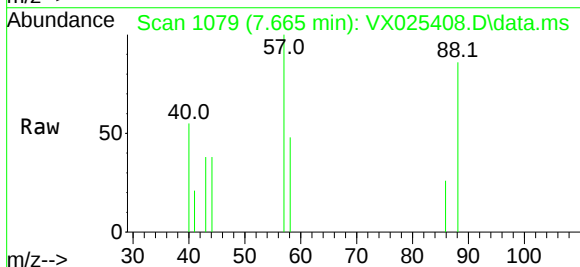
Instrument :
MSVOA_X
ClientSampleId :
16986

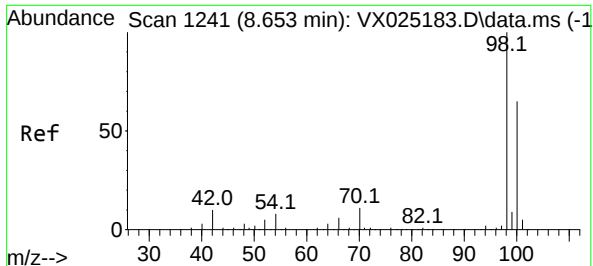
Tgt Ion: 78 Resp: 5214
Ion Ratio Lower Upper
78 100
77 26.2 18.3 27.5



#49
1,4-Dioxane
Concen: 13.772 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 88 Resp: 434
Ion Ratio Lower Upper
88 100
43 49.5 27.0 40.6#
58 96.5 55.2 82.8#





#50

Toluene-d8

Concen: 50.096 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025408.D

Acq: 01 Dec 2021 13:15

Instrument :

MSVOA_X

ClientSampleId :

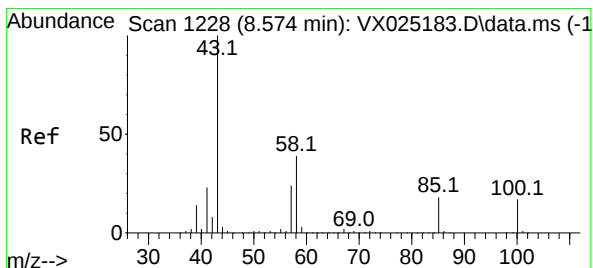
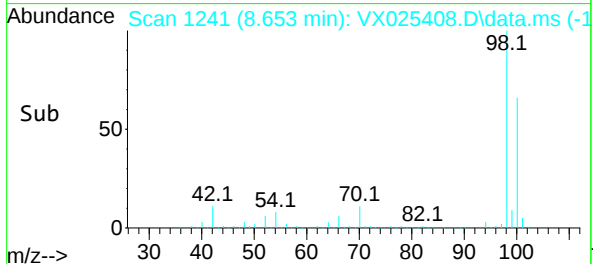
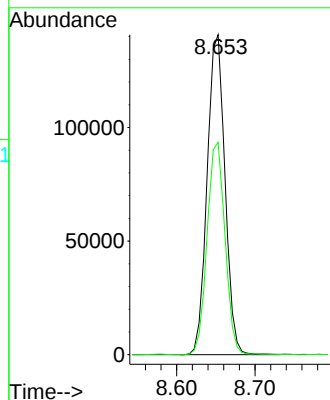
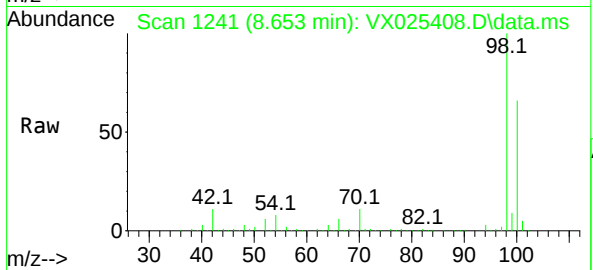
16986

Tgt Ion: 98 Resp: 222442

Ion Ratio Lower Upper

98 100

100 66.8 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 1.043 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX025408.D

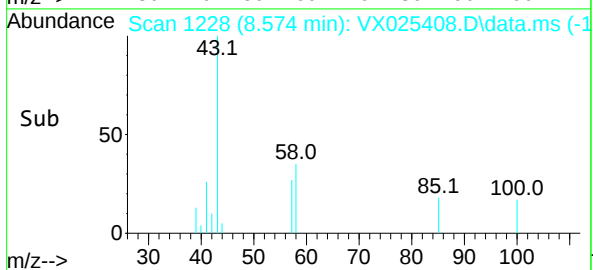
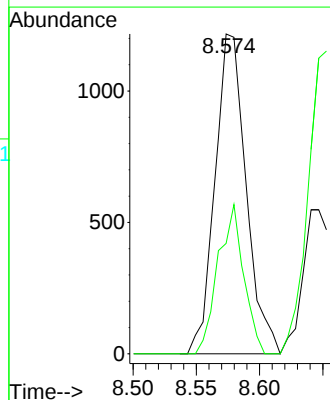
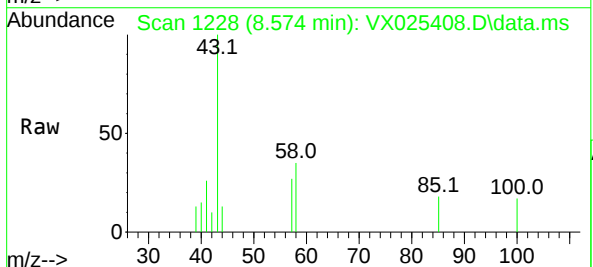
Acq: 01 Dec 2021 13:15

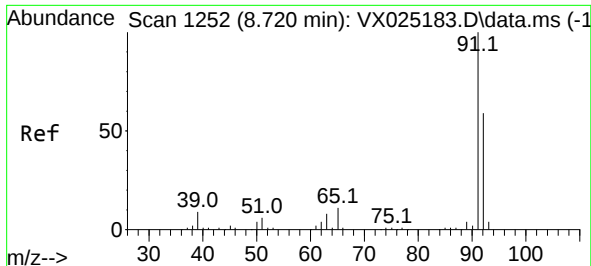
Tgt Ion: 43 Resp: 2079

Ion Ratio Lower Upper

43 100

58 38.5 30.9 46.3

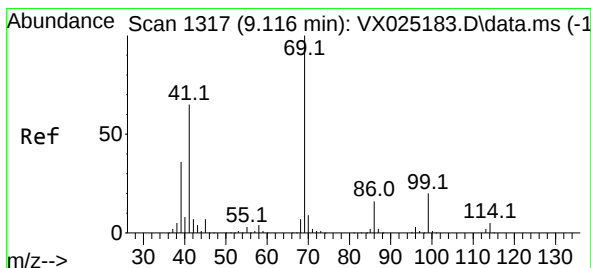
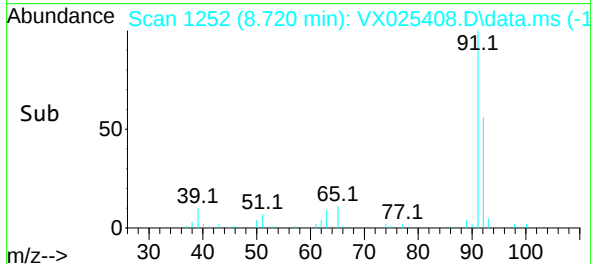
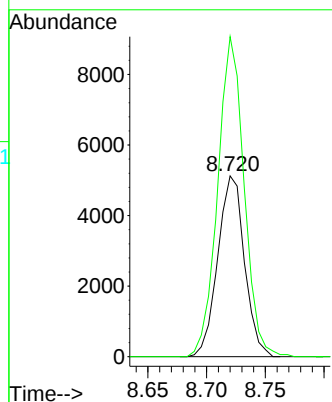
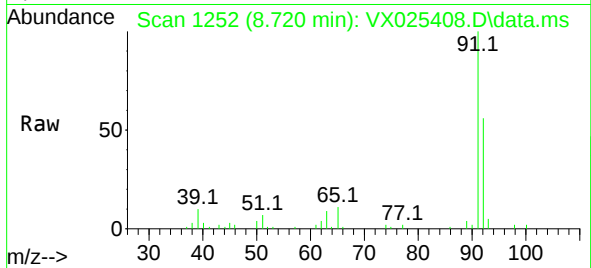




#52
Toluene
Concen: 2.439 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

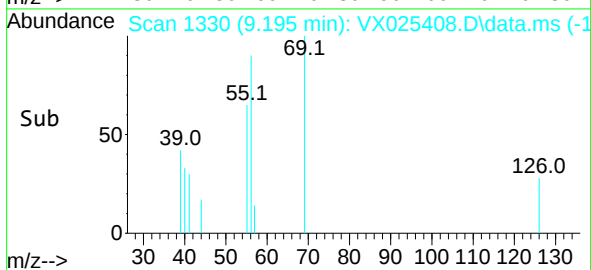
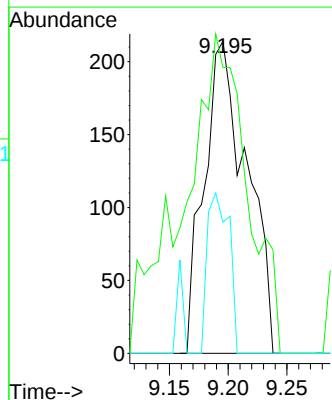
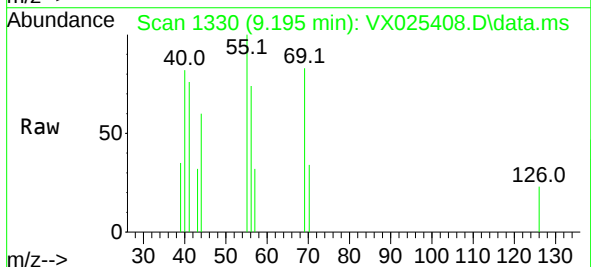
Instrument :
MSVOA_X
ClientSampleId :
16986

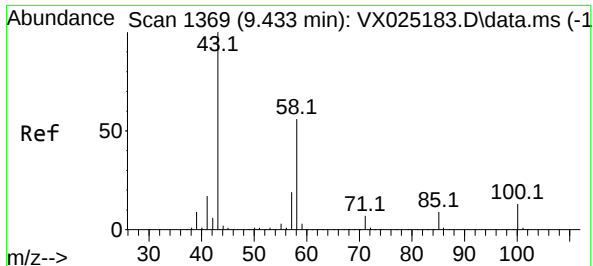
Tgt Ion: 92 Resp: 8101
Ion Ratio Lower Upper
92 100
91 175.0 138.6 208.0



#56
Ethyl methacrylate
Concen: 0.253 ug/l
RT: 9.195 min Scan# 1330
Delta R.T. 0.079 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 69 Resp: 542
Ion Ratio Lower Upper
69 100
41 119.7 55.3 82.9#
39 26.4 30.2 45.4#





#59

2-Hexanone

Concen: 0.352 ug/l

RT: 9.433 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025408.D

Acq: 01 Dec 2021 13:15

Instrument :

MSVOA_X

ClientSampleId :

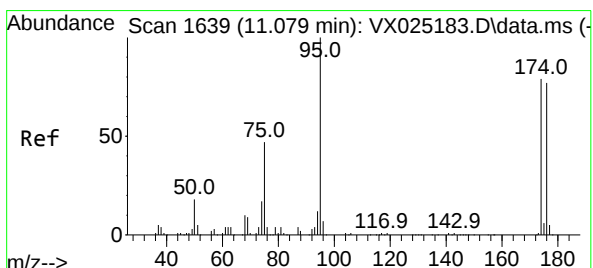
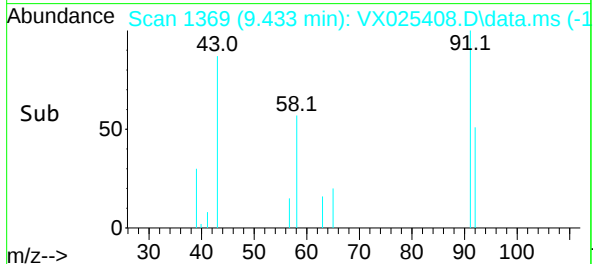
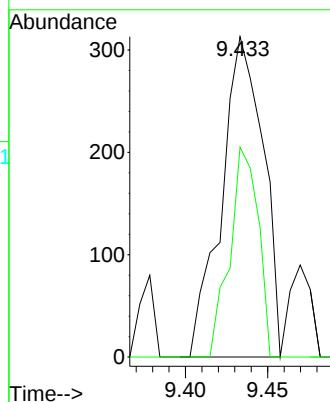
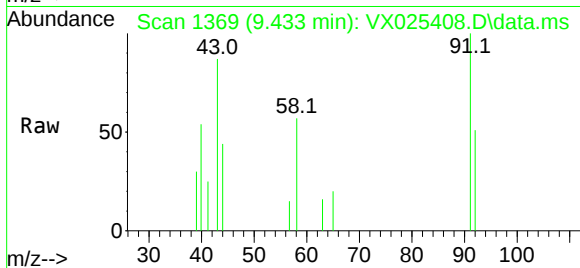
16986

Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

43 100

58 44.5 26.6 79.7



#62

4-Bromofluorobenzene

Concen: 47.163 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX025408.D

Acq: 01 Dec 2021 13:15

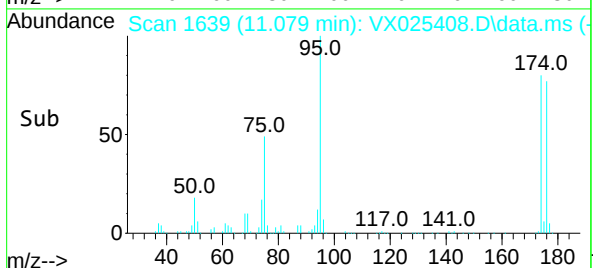
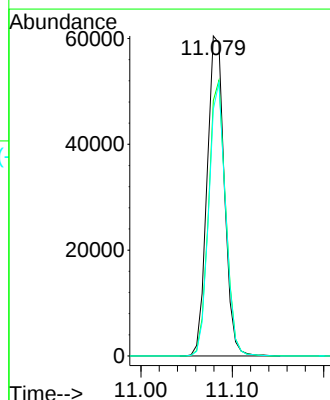
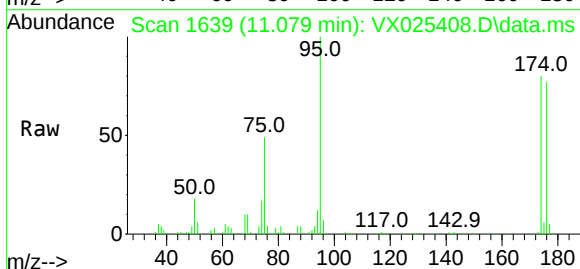
Tgt Ion: 95 Resp: 79225

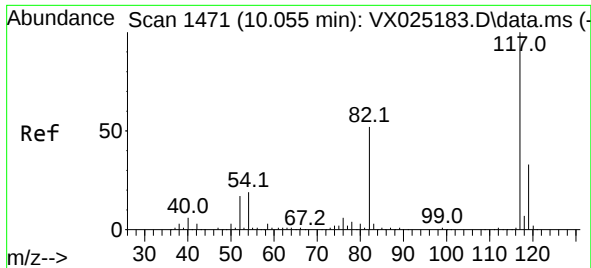
Ion Ratio Lower Upper

95 100

174 84.8 0.0 158.0

176 82.9 0.0 153.6

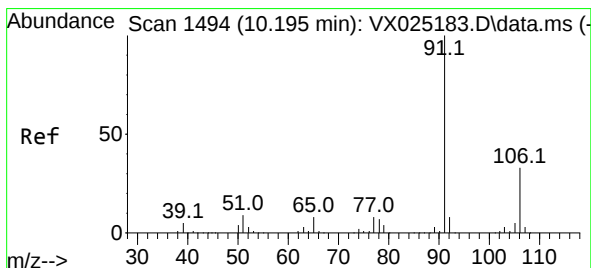
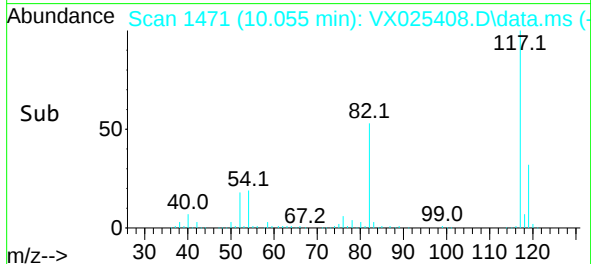
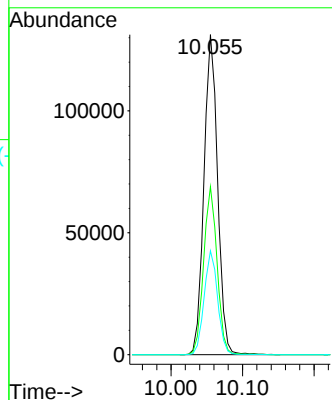
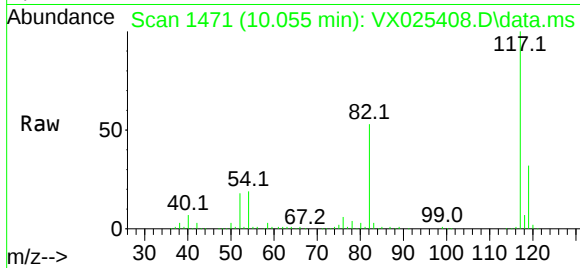




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

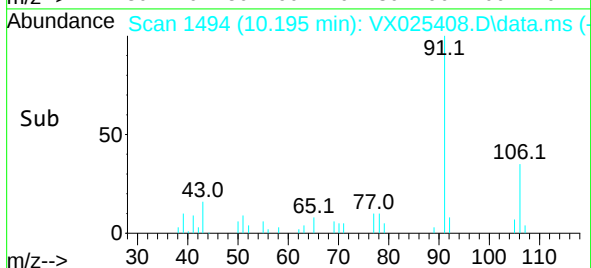
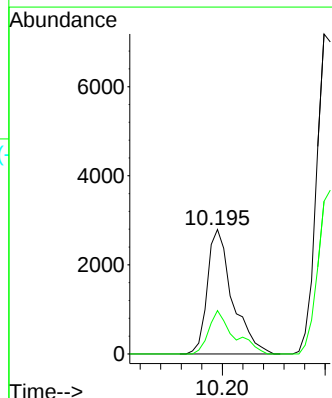
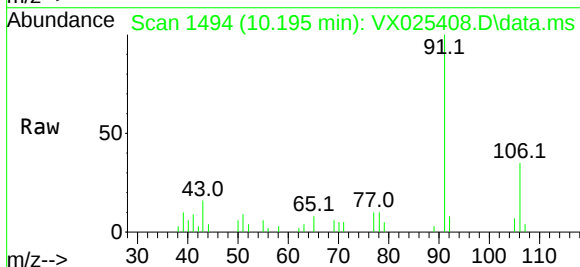
Instrument :
MSVOA_X
ClientSampleId :
16986

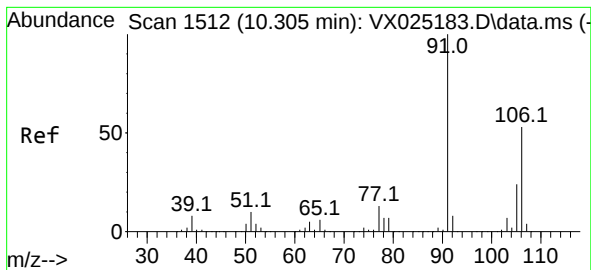
Tgt Ion:117 Resp: 174296
Ion Ratio Lower Upper
117 100
82 52.5 44.6 67.0
119 32.5 24.8 37.2



#67
Ethyl Benzene
Concen: 0.770 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 91 Resp: 4728
Ion Ratio Lower Upper
91 100
106 34.8 24.7 37.1

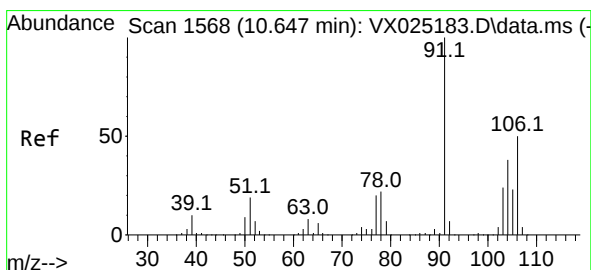
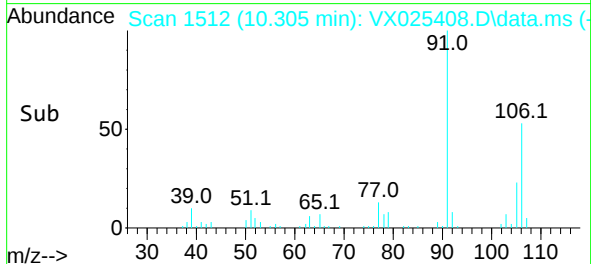
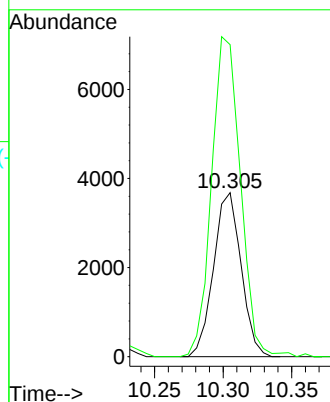
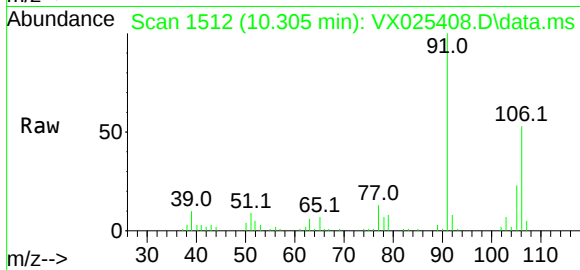




#68
m/p-Xylenes
Concen: 2.051 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

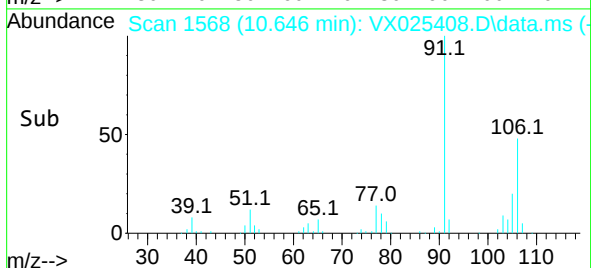
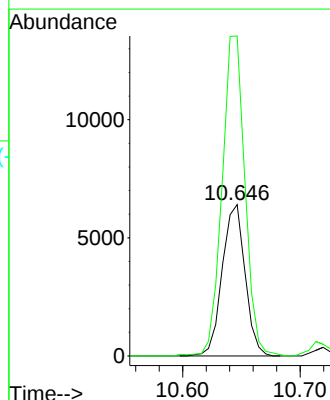
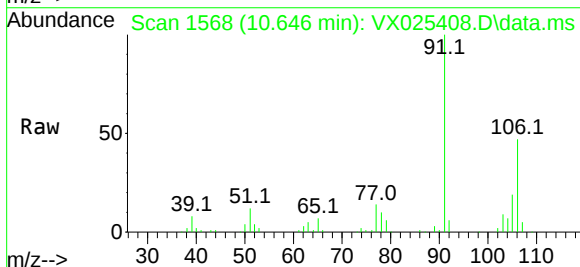
Instrument :
MSVOA_X
ClientSampleId :
16986

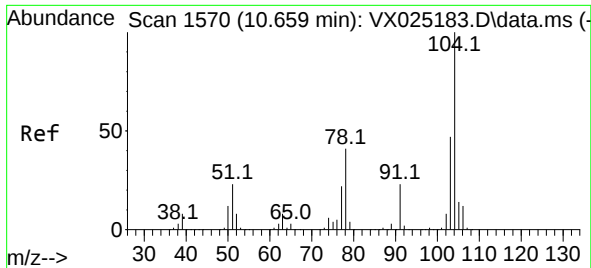
Tgt Ion:106 Resp: 5141
Ion Ratio Lower Upper
106 100
91 204.7 163.4 245.0



#69
o-Xylene
Concen: 3.531 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion:106 Resp: 8664
Ion Ratio Lower Upper
106 100
91 212.3 109.5 328.4

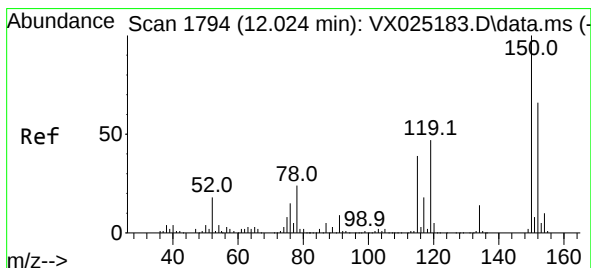
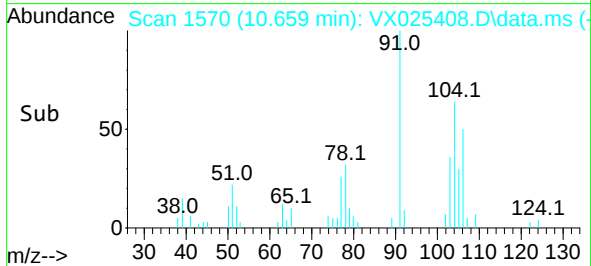
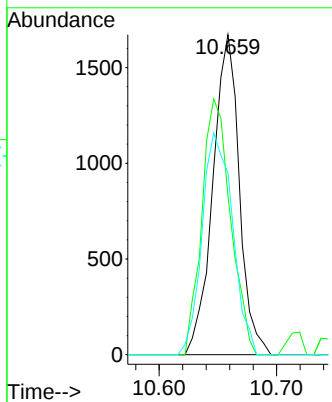
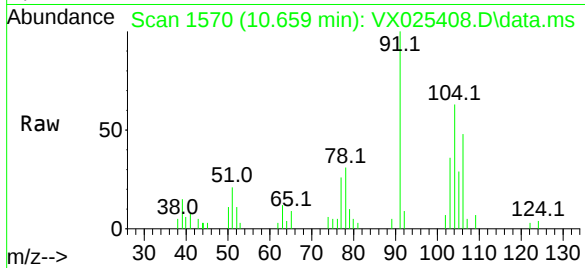




#70
Styrene
Concen: 0.646 ug/l
RT: 10.659 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

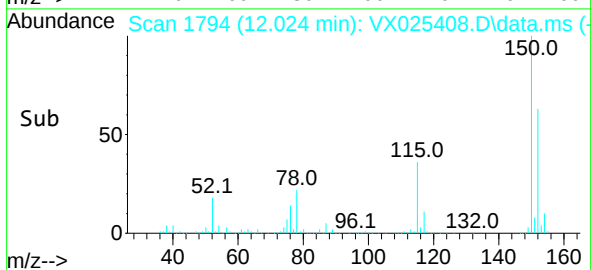
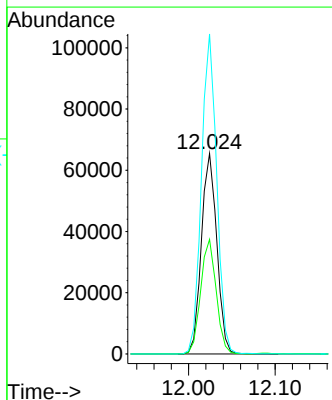
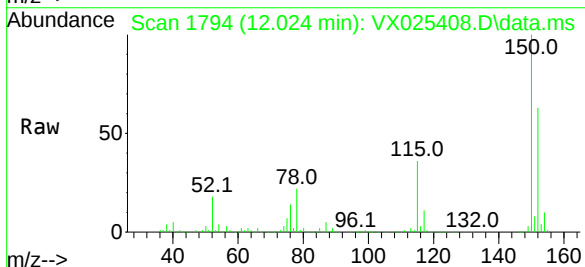
Instrument :
MSVOA_X
ClientSampleId :
16986

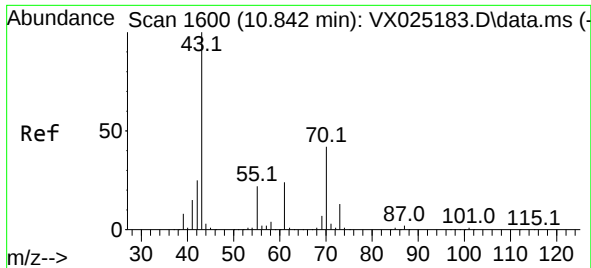
Tgt Ion:104 Resp: 2619
Ion Ratio Lower Upper
104 100
78 86.4 41.3 61.9#
103 79.6 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion:152 Resp: 81015
Ion Ratio Lower Upper
152 100
115 57.5 43.3 129.8
150 157.9 0.0 351.2

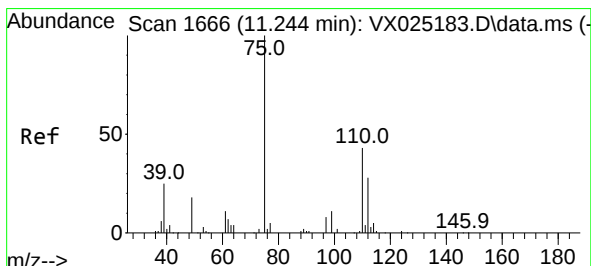
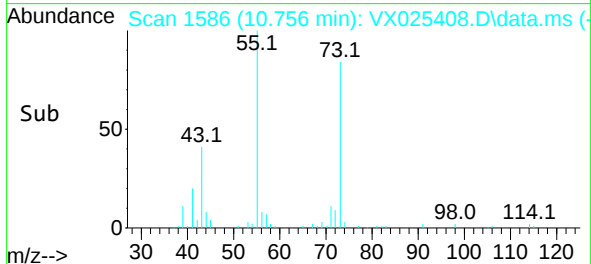
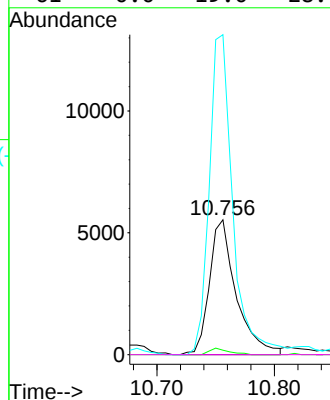
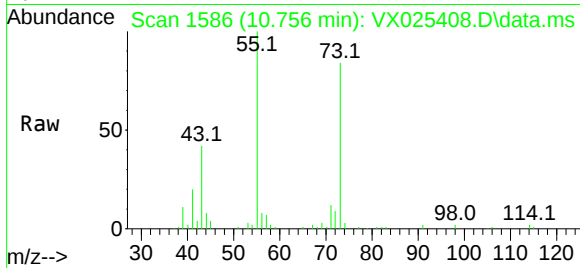




#74
N-amy1 acetate
Concen: 3.514 ug/l
RT: 10.756 min Scan# 1639
Delta R.T. -0.086 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

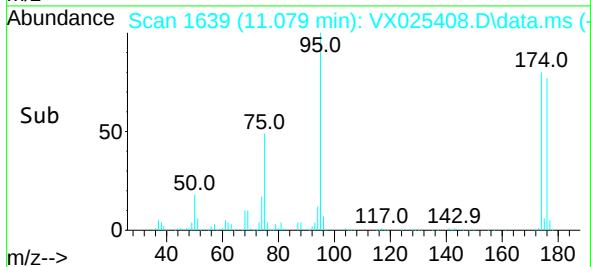
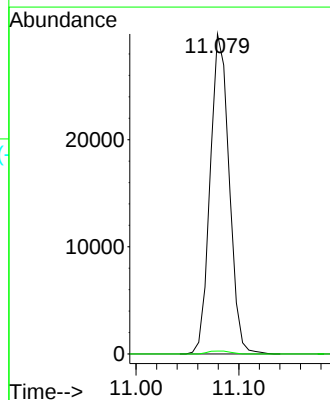
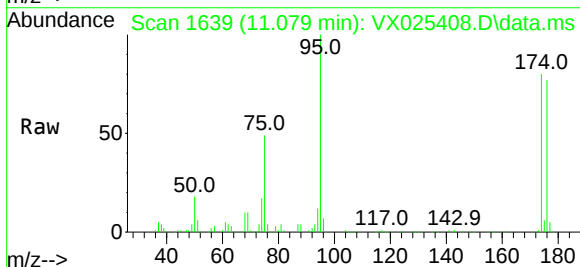
Instrument :
MSVOA_X
ClientSampleId :
16986

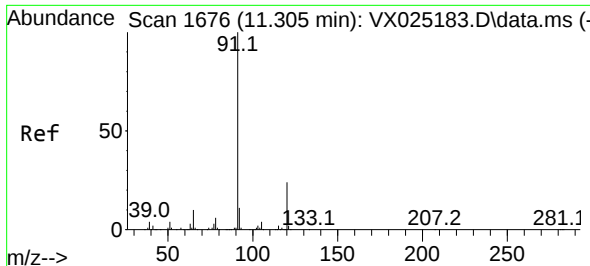
Tgt Ion: 43	Resp: 8776
Ion Ratio	Lower Upper
43 100	
70 3.4	33.7 50.5#
55 207.7	19.7 29.5#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 23.106 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 75	Resp: 38334
Ion Ratio	Lower Upper
75 100	
77 1.1	20.0 59.9#

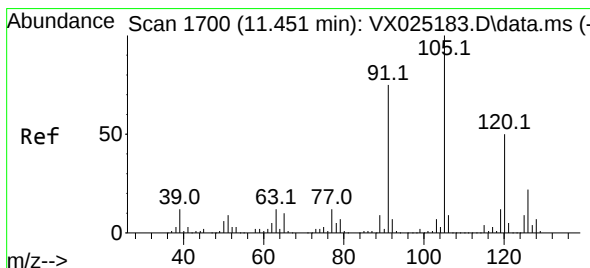
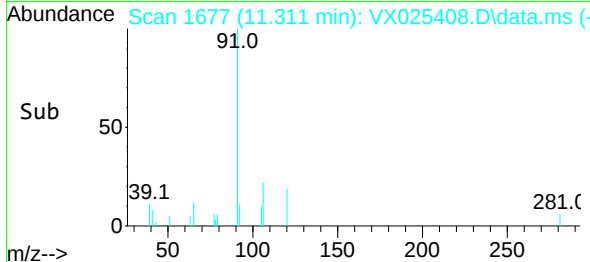
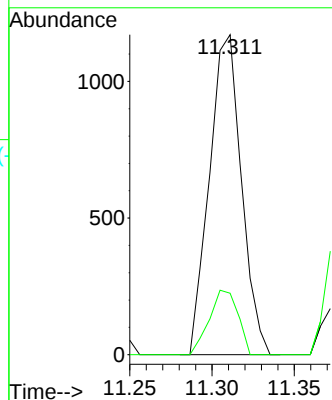
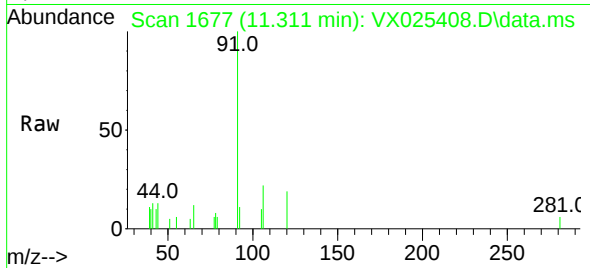




#78
n-propylbenzene
Concen: 0.244 ug/l
RT: 11.311 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

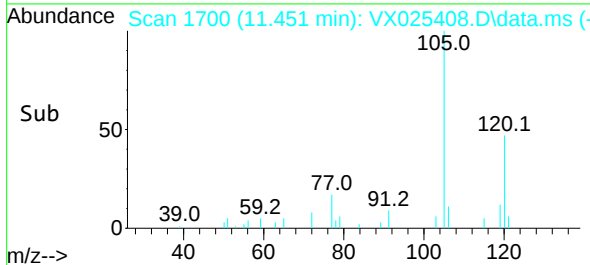
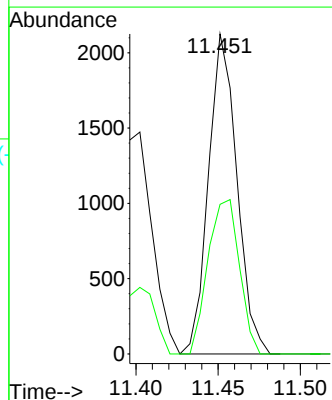
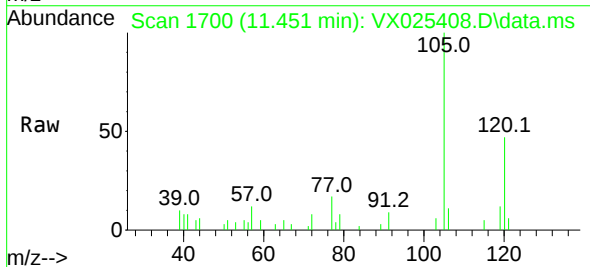
Instrument :
MSVOA_X
ClientSampleId :
16986

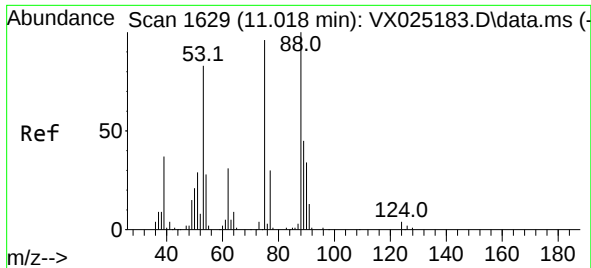
Tgt Ion: 91 Resp: 1583
Ion Ratio Lower Upper
91 100
120 18.1 11.7 35.0



#80
1,3,5-Trimethylbenzene
Concen: 0.526 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 105 Resp: 2555
Ion Ratio Lower Upper
105 100
120 53.3 23.8 71.5

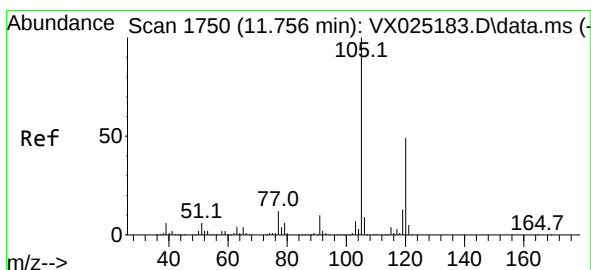
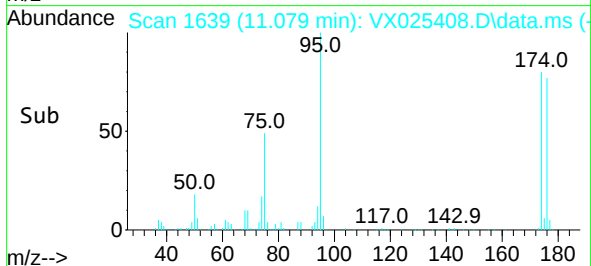
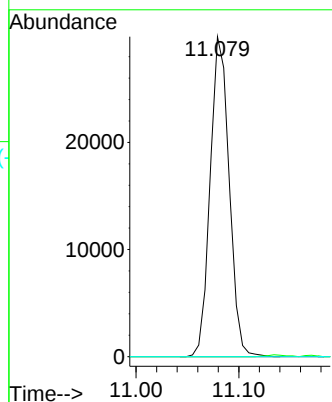
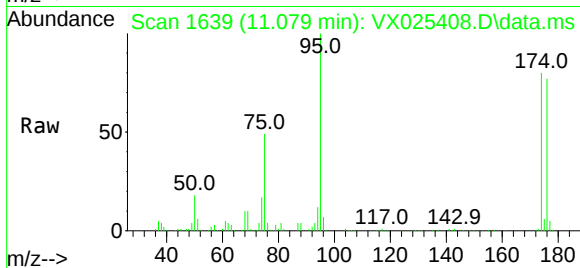




#81
trans-1,4-Dichloro-2-butene
Concen: 58.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

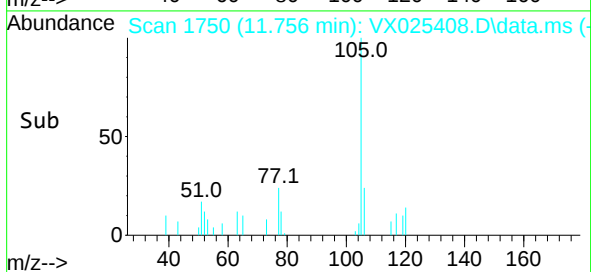
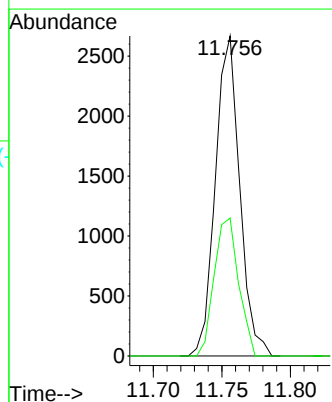
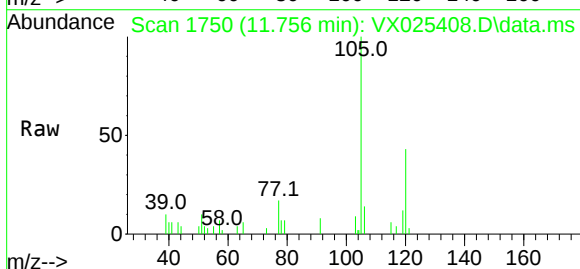
Instrument :
MSVOA_X
ClientSampleId :
16986

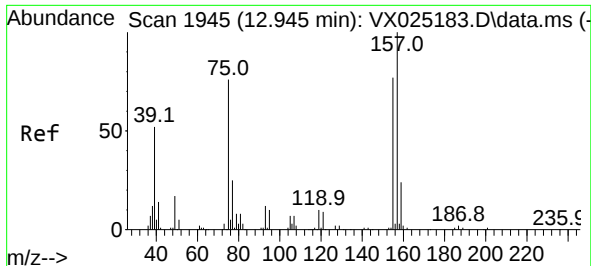
Tgt Ion: 75 Resp: 38334
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.686 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 105 Resp: 3292
Ion Ratio Lower Upper
105 100
120 43.2 22.1 66.3

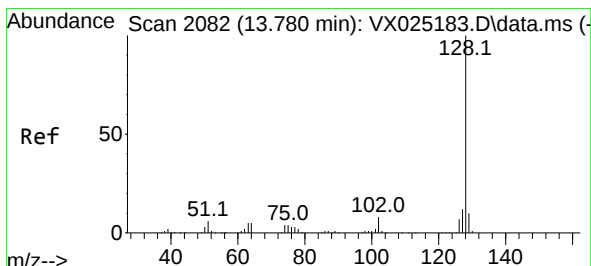
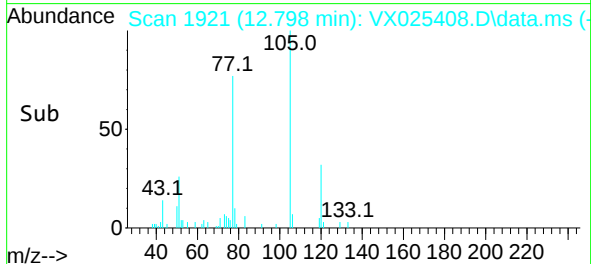
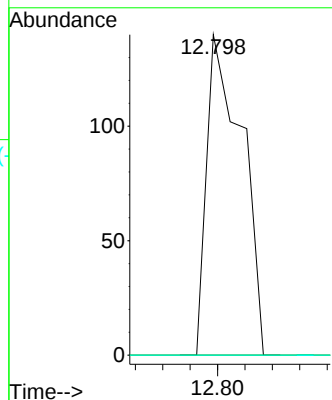
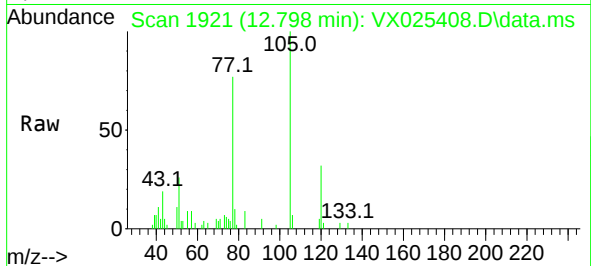




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.320 ug/l
RT: 12.798 min Scan# 1945
Delta R.T. -0.147 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Instrument :
MSVOA_X
ClientSampleId :
16986

Tgt Ion: 75 Resp: 125
Ion Ratio Lower Upper
75 100
155 0.0 43.1 129.3#
157 0.0 53.6 160.9#



#95
Naphthalene
Concen: 14.270 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025408.D
Acq: 01 Dec 2021 13:15

Tgt Ion: 128 Resp: 79473
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 11.0 8.8 13.2

