

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025480.D
 Acq On : 03 Dec 2021 14:22
 Operator : JC/MD
 Sample : M4917-12DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 04 06:49:40 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)

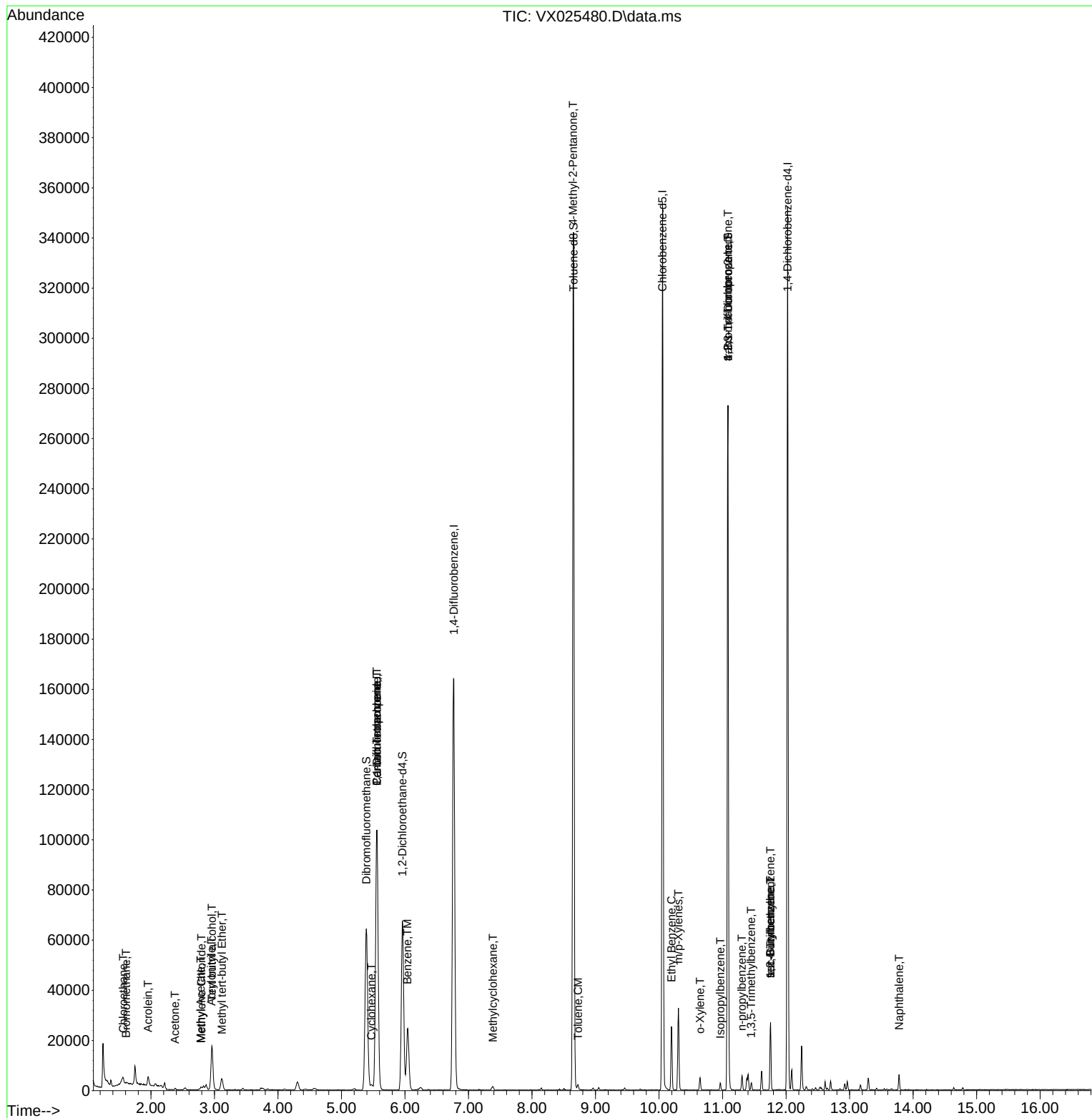
Internal Standards						
1) Pentafluorobenzene	5.556	168	106727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	181575	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62411	55.478	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	110.960%		
35) Dibromofluoromethane	5.391	113	55607	49.913	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.820%		
50) Toluene-d8	8.653	98	209001	49.895	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.800%		
62) 4-Bromofluorobenzene	11.085	95	73182	46.181	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.360%		
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	201	0.372	ug/l	88
6) Chloroethane	1.563	64	3680	4.241	ug/l #	60
11) Tert butyl alcohol	2.959	59	20435	66.885	ug/l	97
13) Acrolein	1.953	56	82	1.591	ug/l #	1
15) Acrylonitrile	2.953	53	200	0.331	ug/l #	23
16) Acetone	2.379	43	612	0.979	ug/l	91
18) Methyl Acetate	2.782	43	419	0.210	ug/l #	52
19) Methyl tert-butyl Ether	3.117	73	4411	1.280	ug/l #	79
20) Methylene Chloride	2.794	84	262	0.223	ug/l #	69
31) Cyclohexane	5.470	56	1331	0.766	ug/l #	83
36) 1,1-Dichloropropene	5.556	75	7092	4.477	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10216	5.855	ug/l #	16
39) Methylcyclohexane	7.385	83	653	0.321	ug/l #	72
40) Benzene	6.037	78	29989	6.249	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	868	0.461	ug/l #	1
52) Toluene	8.726	92	924	0.295	ug/l	87
67) Ethyl Benzene	10.195	91	14869	2.586	ug/l	99
68) m/p-Xylenes	10.305	106	8046	3.427	ug/l	96
69) o-Xylene	10.646	106	1135	0.494	ug/l	98
73) Isopropylbenzene	10.963	105	1706	0.323	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	35543	23.420	ug/l #	37
78) n-propylbenzene	11.305	91	4093	0.690	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	1553	0.350	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.085	75	35543	58.999	ug/l #	9
83) tert-Butylbenzene	11.756	119	1433	0.318	ug/l #	63
84) 1,2,4-Trimethylbenzene	11.756	105	12156	2.770	ug/l	96
85) sec-Butylbenzene	11.756	105	12156	2.216	ug/l #	56
95) Naphthalene	13.780	128	4232	0.475	ug/l	98

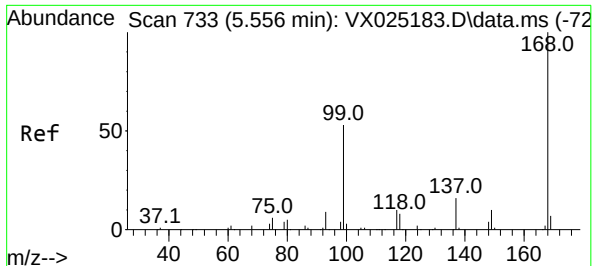
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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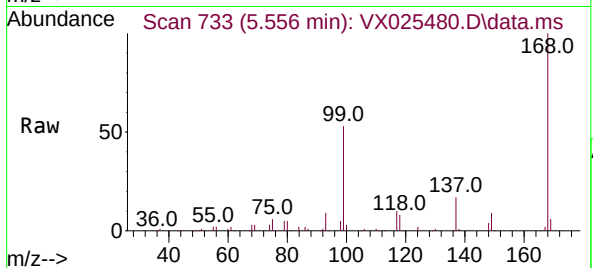


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

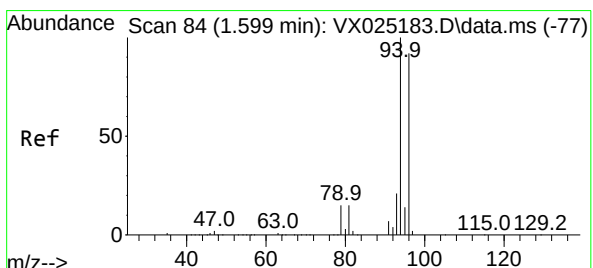
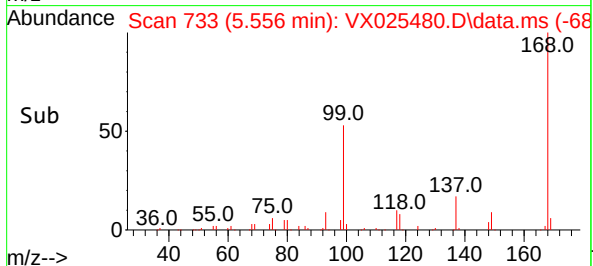
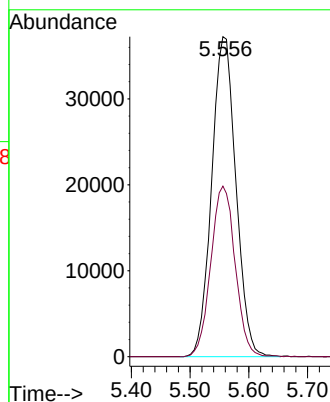
Instrument :

MSVOA_X

ClientSampleId :

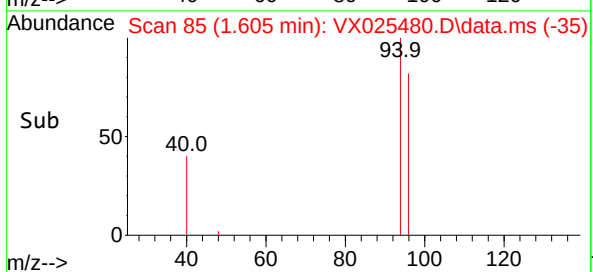
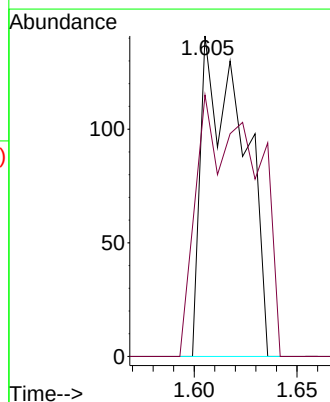
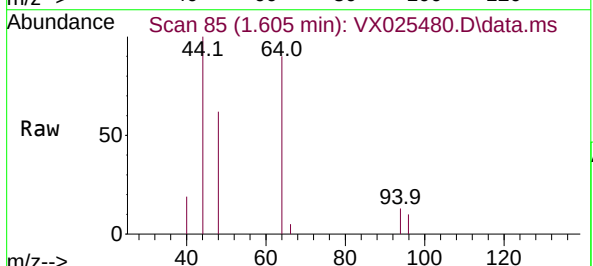


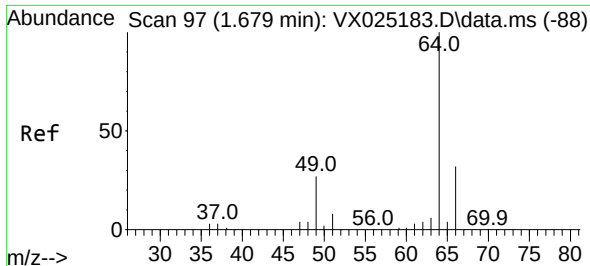
Tgt Ion:168 Resp: 106727
Ion Ratio Lower Upper
168 100
99 53.3 46.4 69.6



#5
Bromomethane
Concen: 0.372 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

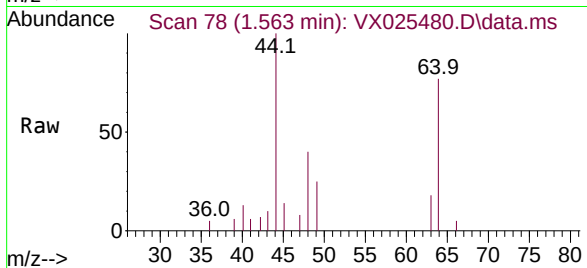
Tgt Ion: 94 Resp: 201
Ion Ratio Lower Upper
94 100
96 81.6 74.8 112.2



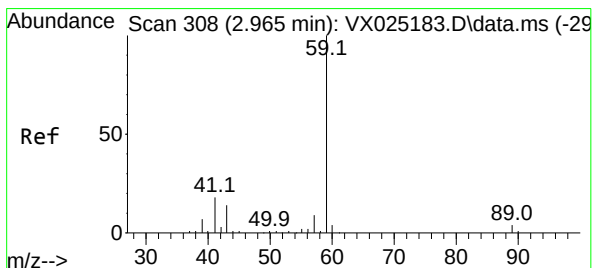
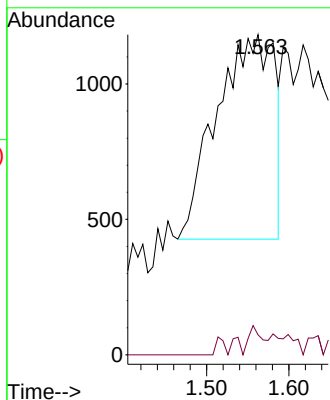
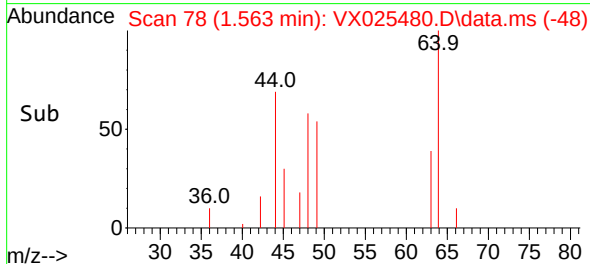


#6
Chloroethane
Concen: 4.241 ug/l
RT: 1.563 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Instrument :
MSVOA_X
ClientSampleId :

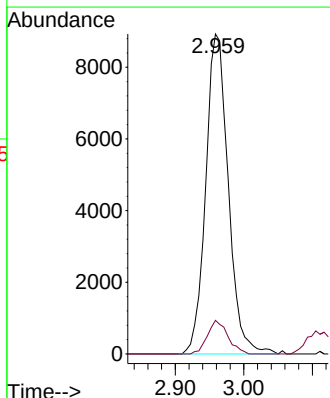
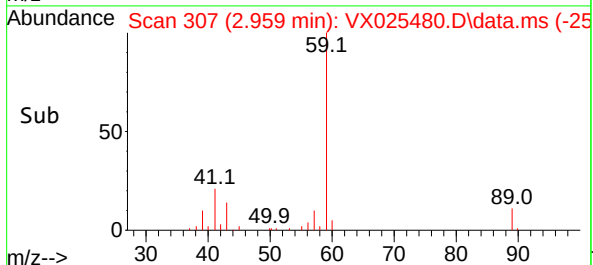
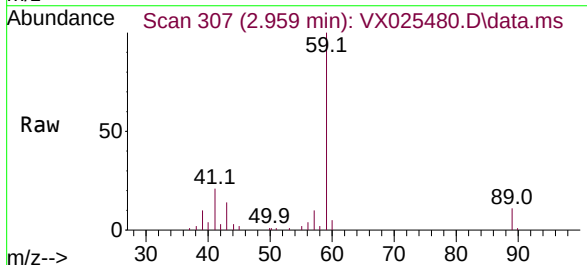


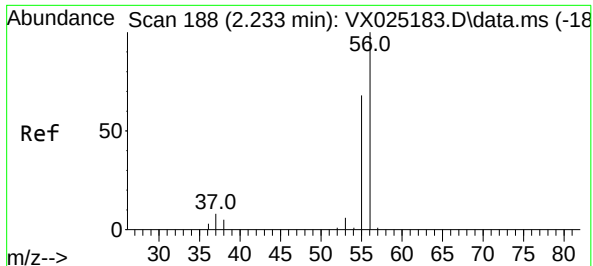
Tgt Ion: 64 Resp: 3680
Ion Ratio Lower Upper
64 100
66 9.8 25.6 38.4#



#11
Tert butyl alcohol
Concen: 66.885 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

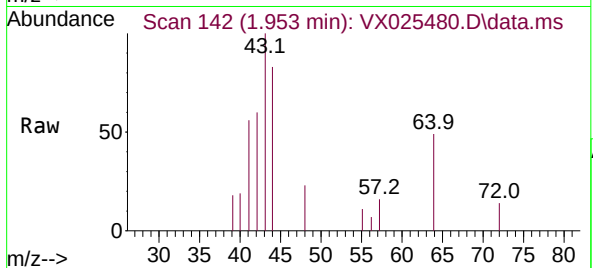
Tgt Ion: 59 Resp: 20435
Ion Ratio Lower Upper
59 100
57 9.5 8.5 12.7



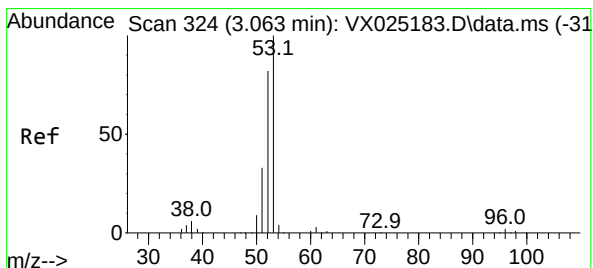
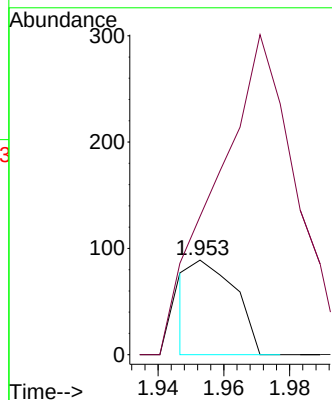
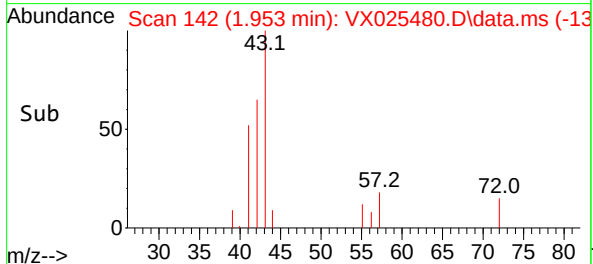


#13
Acrolein
Concen: 1.591 ug/l
RT: 1.953 min Scan# 14
Delta R.T. -0.280 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

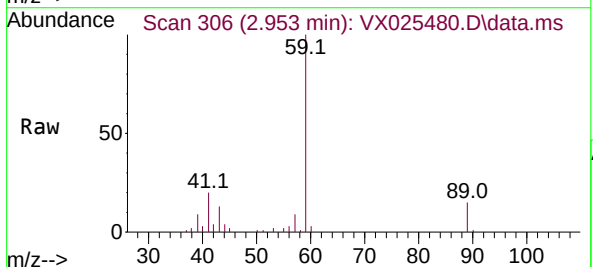
Instrument :
MSVOA_X
ClientSampleId :



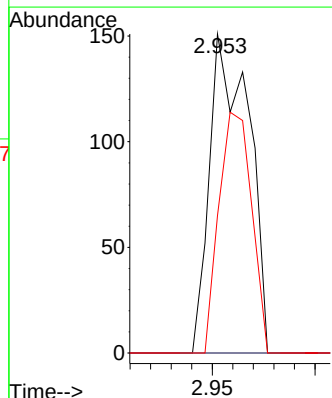
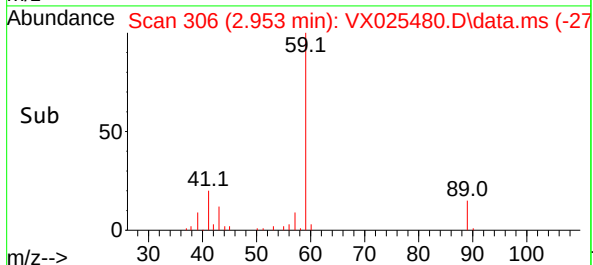
Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 568.3 58.6 87.8#

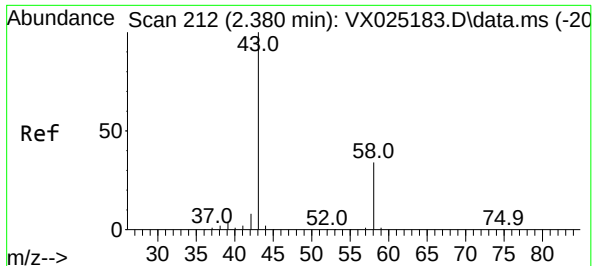


#15
Acrylonitrile
Concen: 0.331 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.110 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22



Tgt Ion: 53 Resp: 200
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.4#
51 63.0 29.8 44.8#

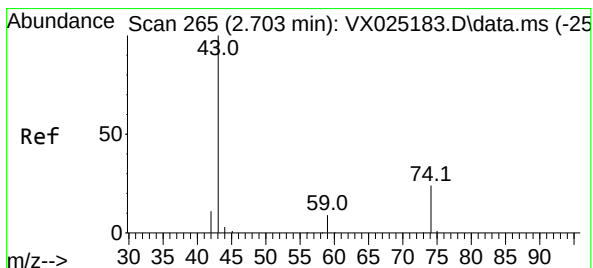
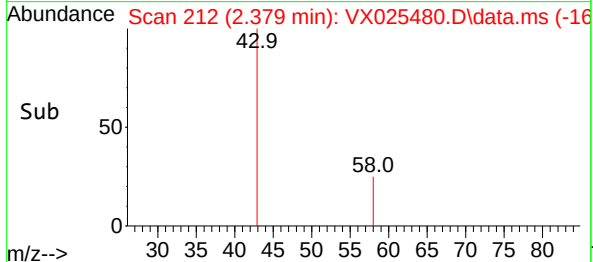
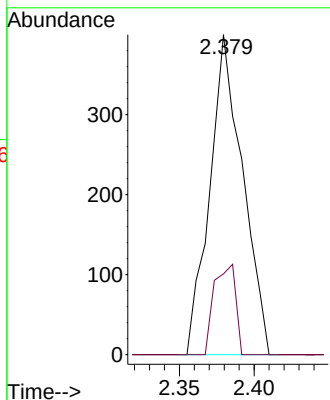
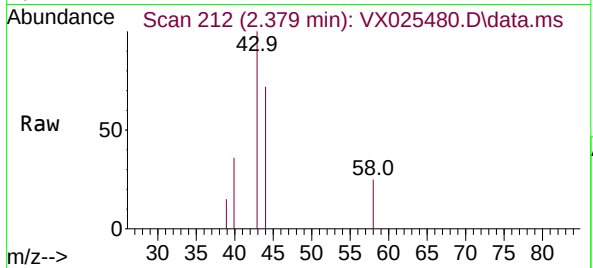




#16
Acetone
Concen: 0.979 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

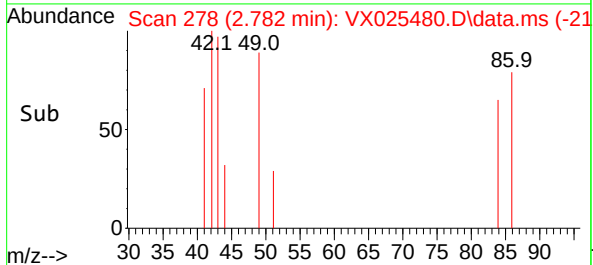
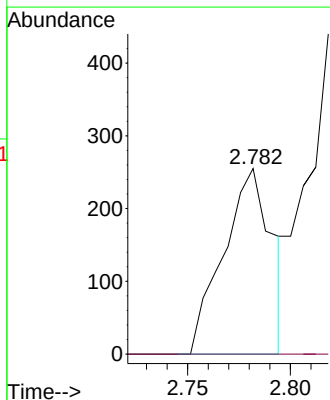
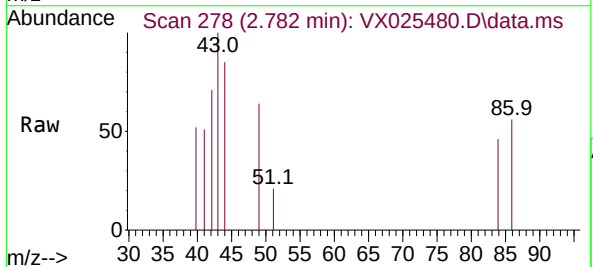
Instrument :
MSVOA_X
ClientSampleId :

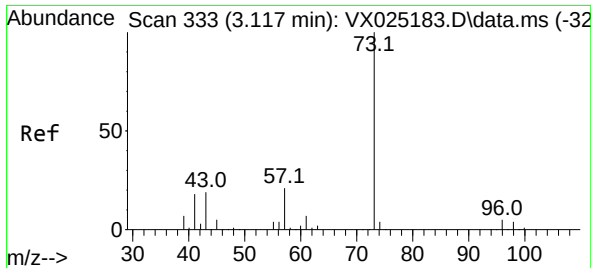
Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
58 25.3 24.0 36.0



#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.079 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#

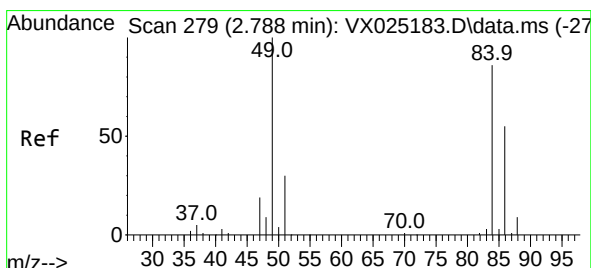
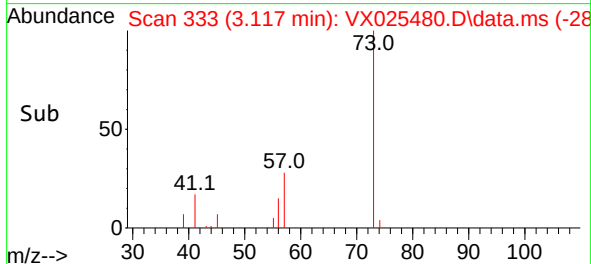
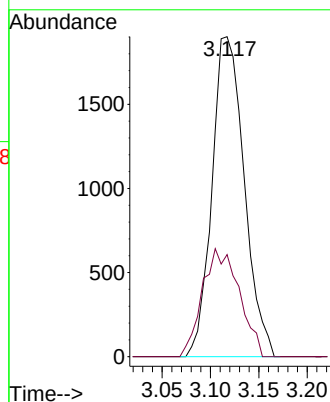
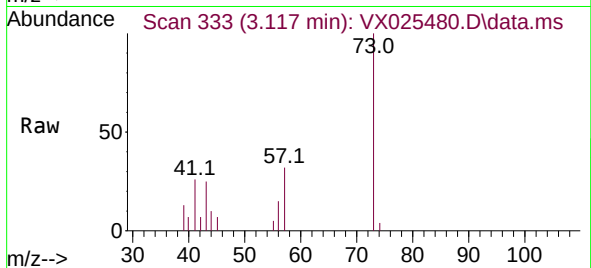




#19
Methyl tert-butyl Ether
Concen: 1.280 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

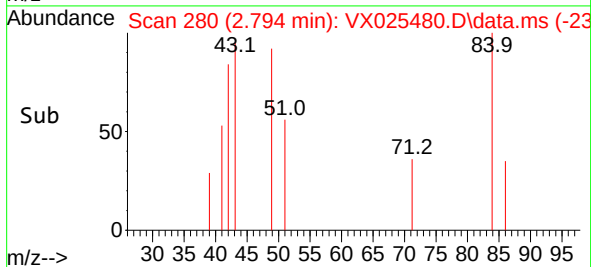
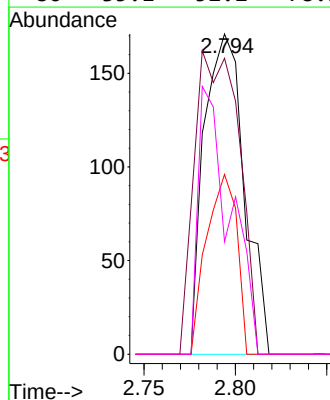
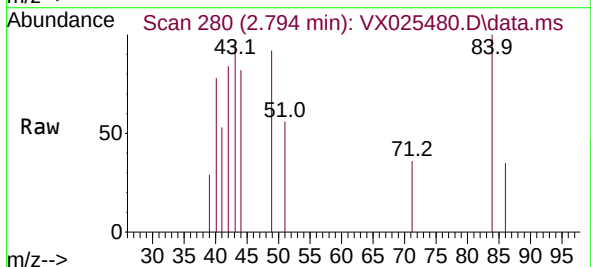
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MSVOA_X
ClientSampleId :

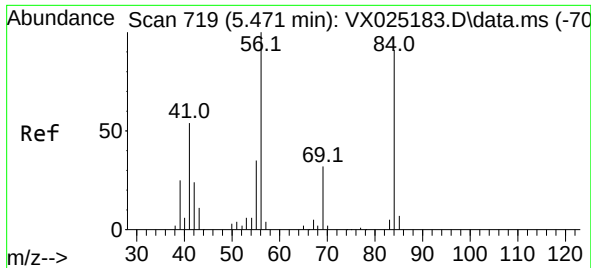
Tgt Ion: 73 Resp: 4411
Ion Ratio Lower Upper
73 100
57 31.9 17.5 26.3#



#20
Methylene Chloride
Concen: 0.223 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

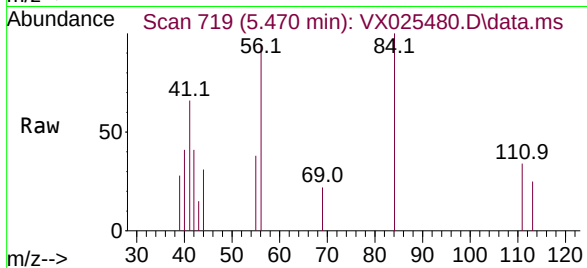
Tgt Ion: 84 Resp: 262
Ion Ratio Lower Upper
84 100
49 92.4 98.2 147.2#
51 56.1 30.2 45.4#
86 35.1 52.2 78.2#



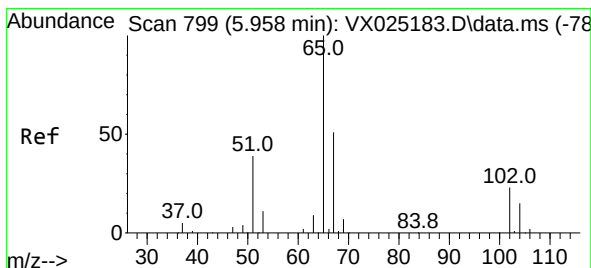
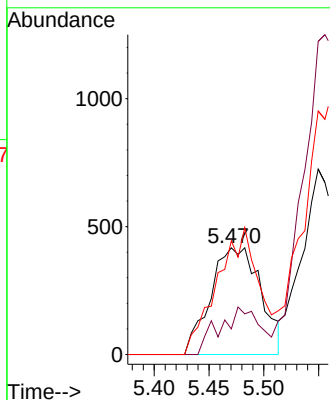
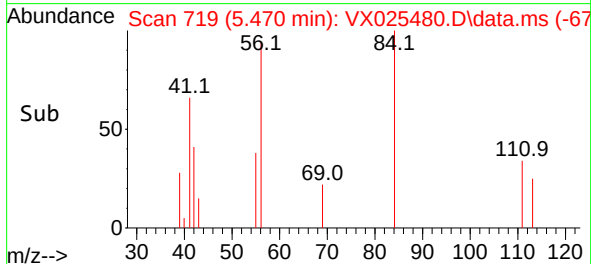


#31
Cyclohexane
Concen: 0.766 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.001 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

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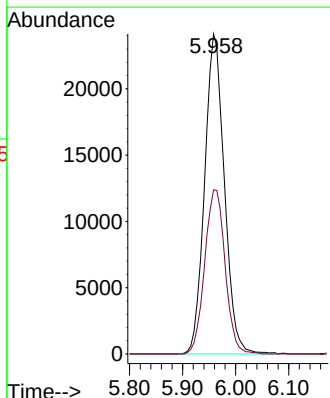
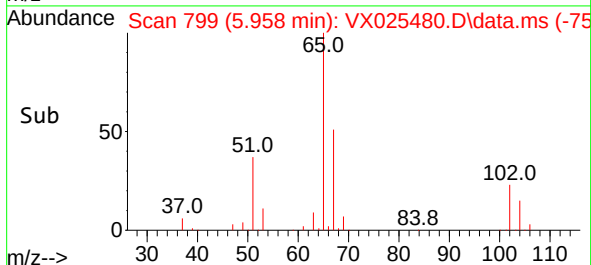
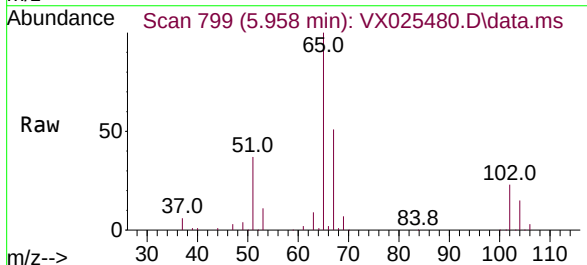


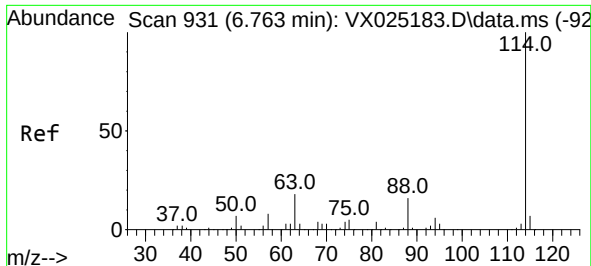
Tgt Ion: 56 Resp: 1331
Ion Ratio Lower Upper
56 100
69 24.0 24.2 36.2#
84 106.7 71.5 107.3



#33
1,2-Dichloroethane-d4
Concen: 55.478 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Tgt Ion: 65 Resp: 62411
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.0

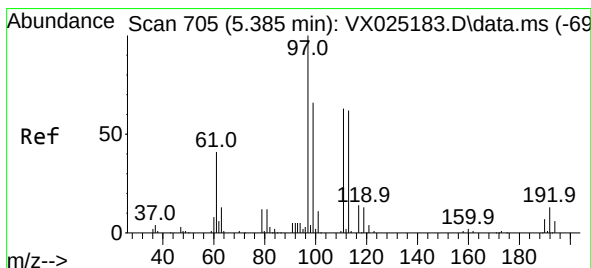
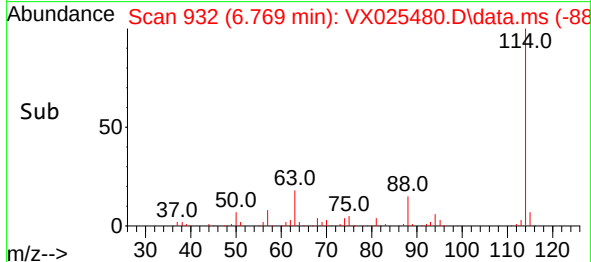
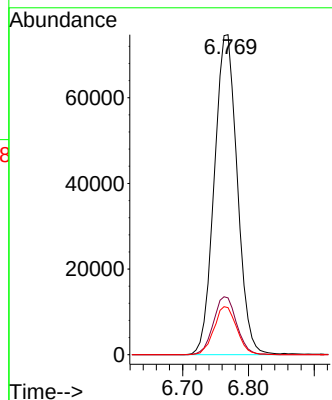
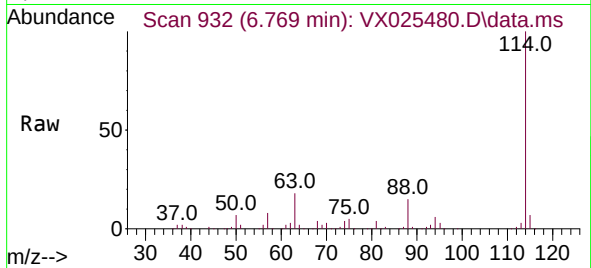




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

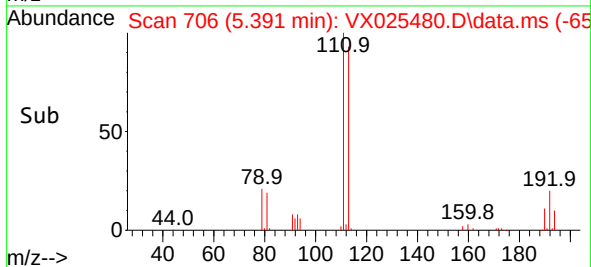
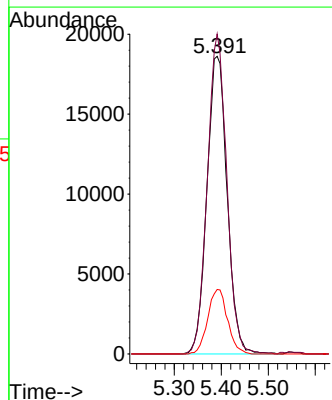
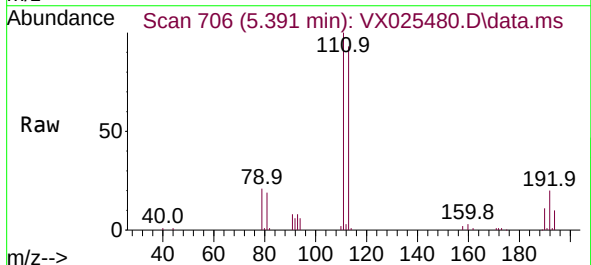
Instrument :
MSVOA_X
ClientSampleId :

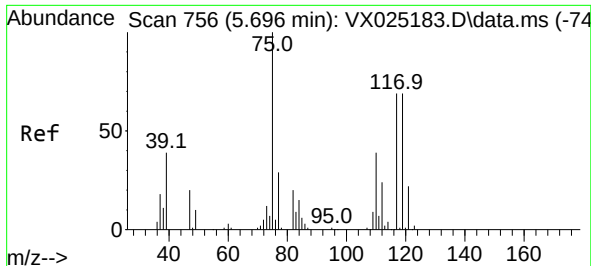
Tgt Ion:114 Resp: 181575
Ion Ratio Lower Upper
114 100
63 17.8 0.0 41.0
88 14.7 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.913 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Tgt Ion:113 Resp: 55607
Ion Ratio Lower Upper
113 100
111 103.2 82.1 123.1
192 21.2 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.477 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

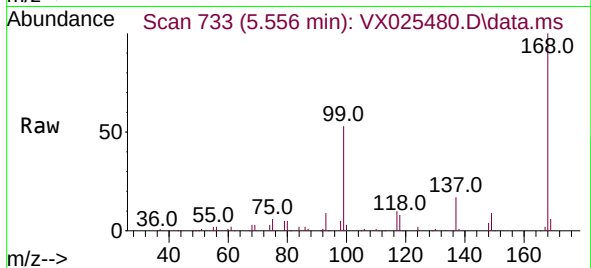
Lab File: VX025480.D

Acq: 03 Dec 2021 14:22

Instrument :

MSVOA_X

ClientSampleId :



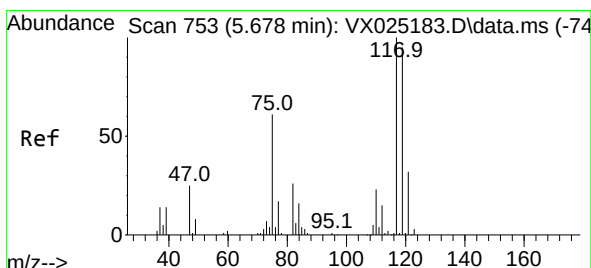
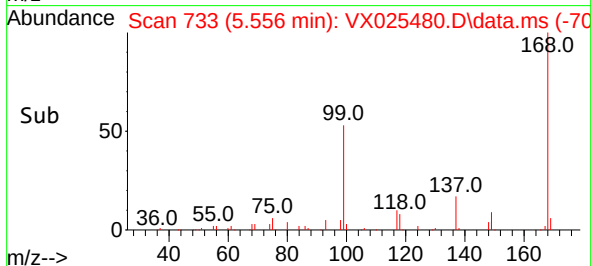
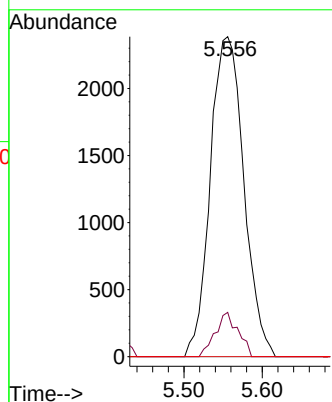
Tgt Ion: 75 Resp: 7092

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.3#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.855 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX025480.D

Acq: 03 Dec 2021 14:22

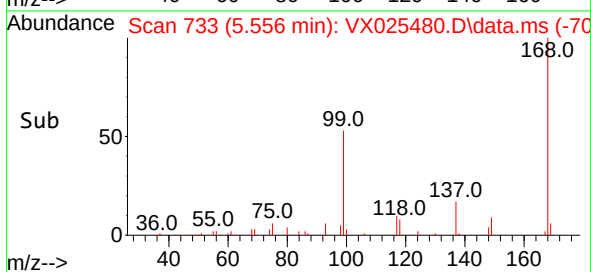
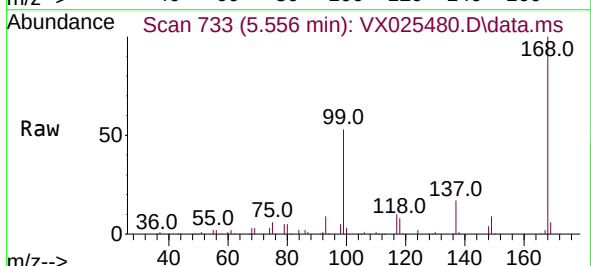
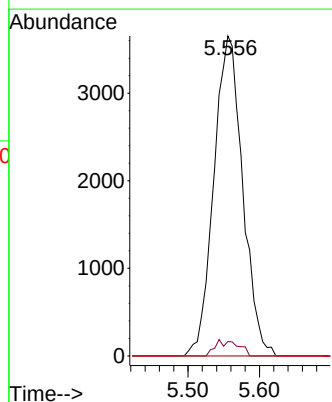
Tgt Ion: 117 Resp: 10216

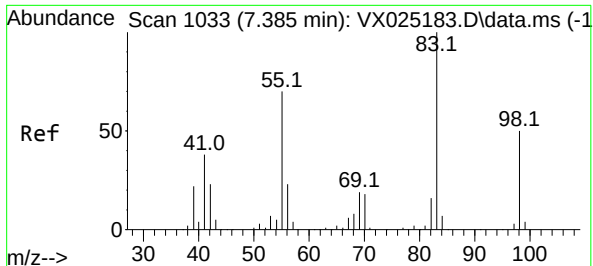
Ion Ratio Lower Upper

117 100

119 4.5 75.6 113.4#

121 0.0 23.7 35.5#

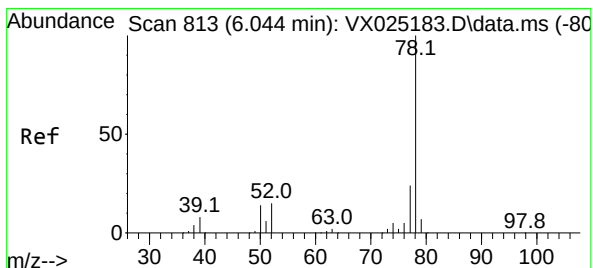
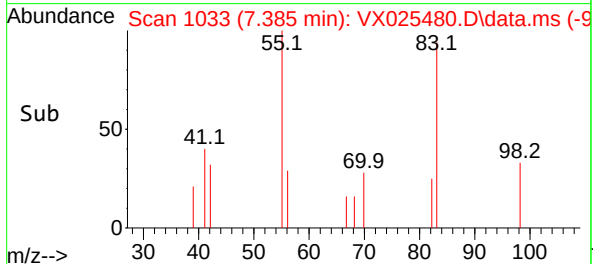
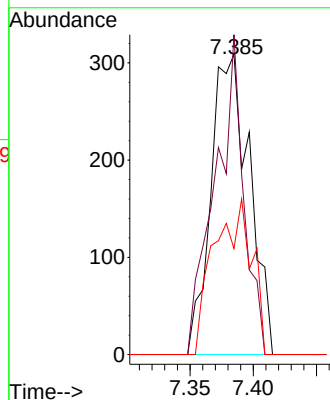
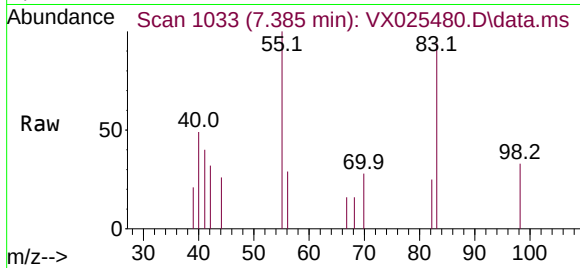




#39
Methylcyclohexane
Concen: 0.321 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

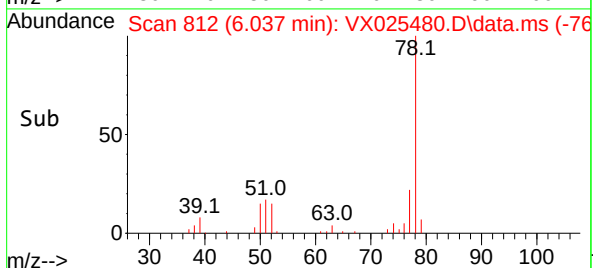
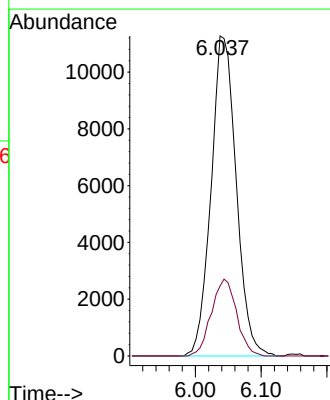
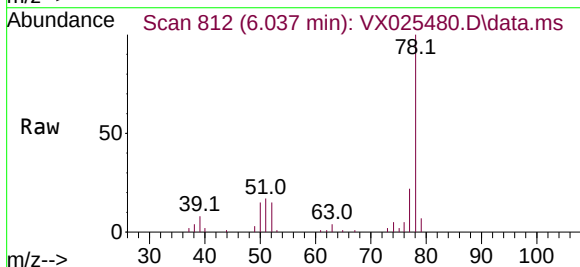
Instrument :
MSVOA_X
ClientSampleId :

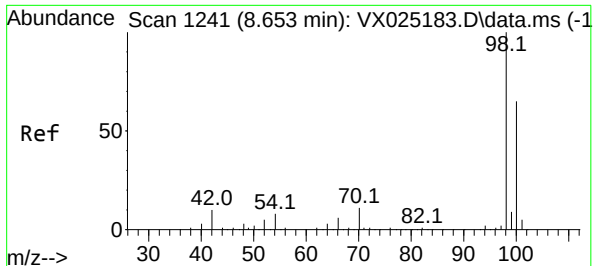
Tgt Ion: 83 Resp: 653
Ion Ratio Lower Upper
83 100
55 106.5 60.8 91.2#
98 35.3 37.0 55.4#



#40
Benzene
Concen: 6.249 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.007 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Tgt Ion: 78 Resp: 29989
Ion Ratio Lower Upper
78 100
77 21.8 18.3 27.5

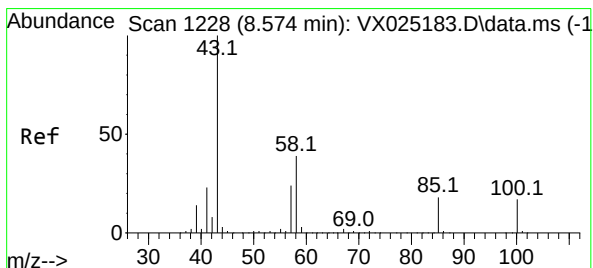
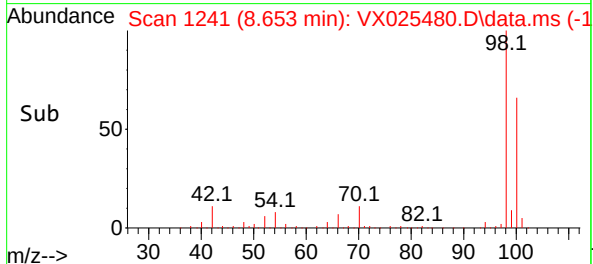
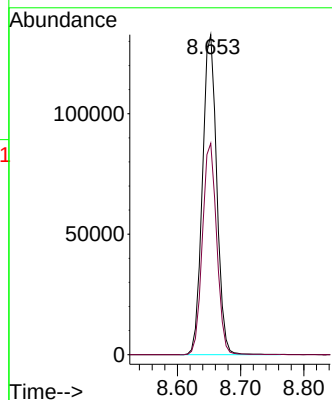
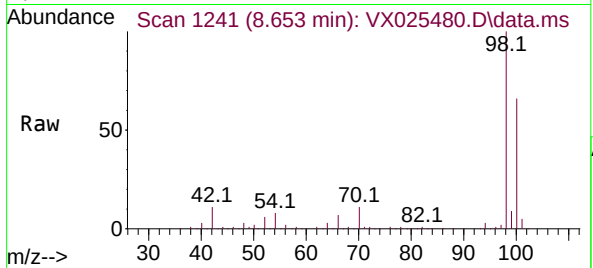




#50
Toluene-d8
Concen: 49.895 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

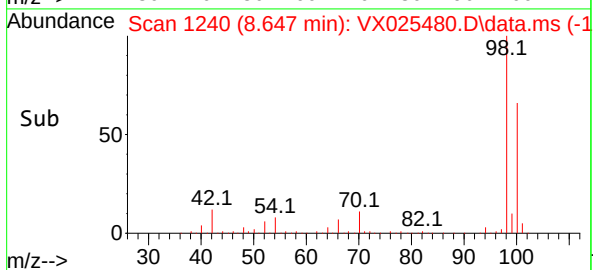
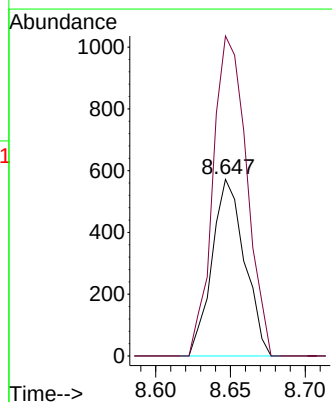
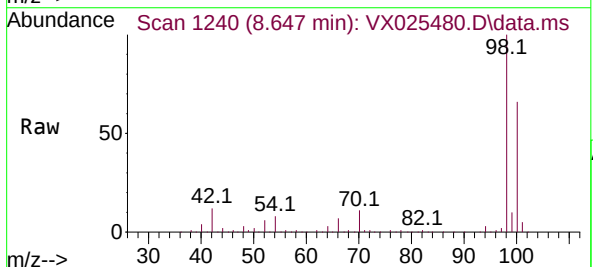
Instrument :
MSVOA_X
ClientSampleId :

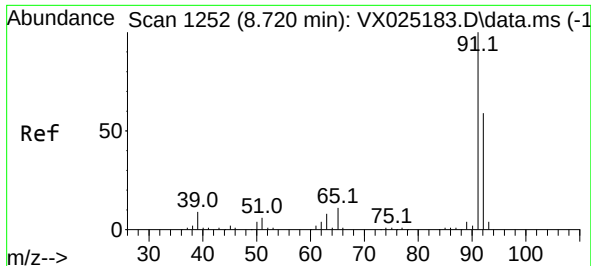
Tgt Ion: 98 Resp: 209001
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.461 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Tgt Ion: 43 Resp: 868
Ion Ratio Lower Upper
43 100
58 187.1 30.9 46.3#

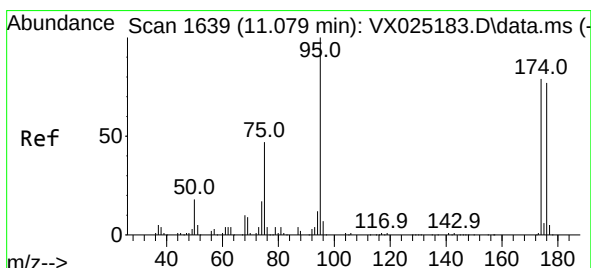
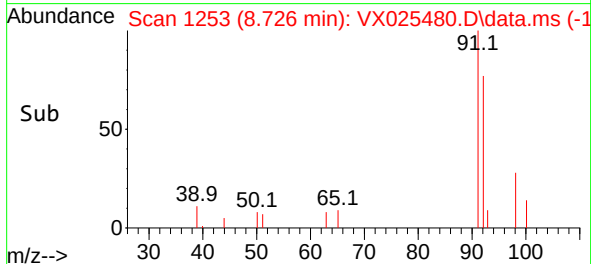
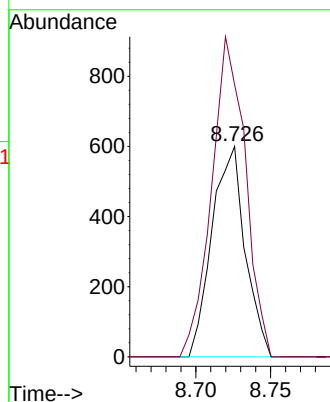
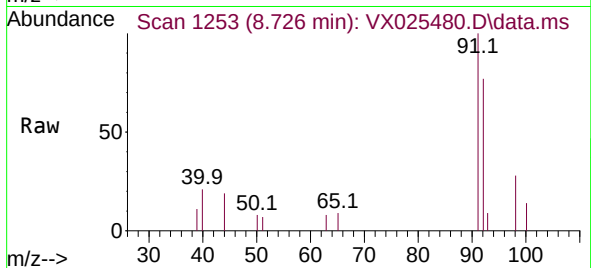




#52
Toluene
Concen: 0.295 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

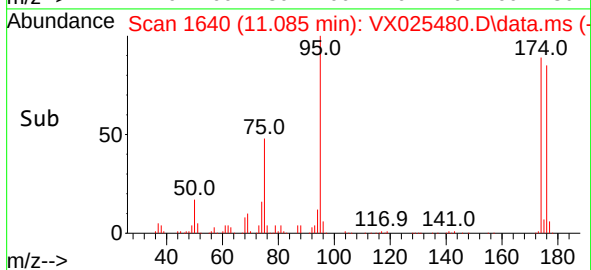
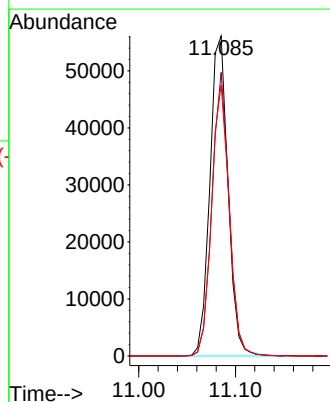
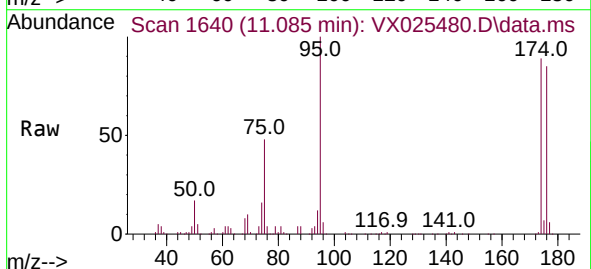
Instrument :
MSVOA_X
ClientSampleId :

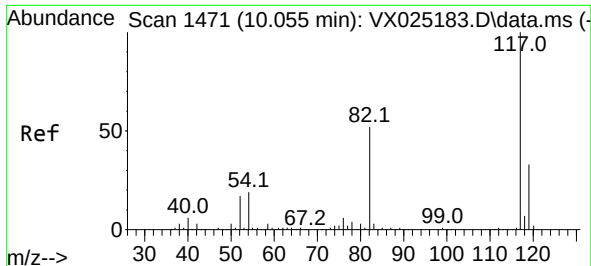
Tgt Ion: 92 Resp: 924
Ion Ratio Lower Upper
92 100
91 155.4 138.6 208.0



#62
4-Bromofluorobenzene
Concen: 46.181 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Tgt Ion: 95 Resp: 73182
Ion Ratio Lower Upper
95 100
174 83.9 0.0 158.0
176 82.5 0.0 153.6

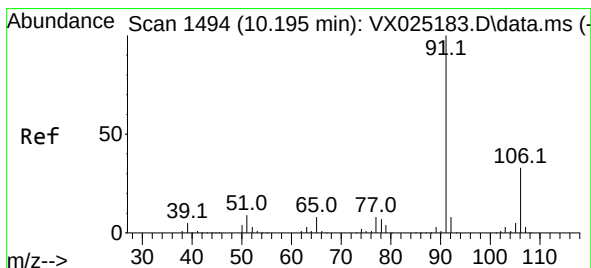
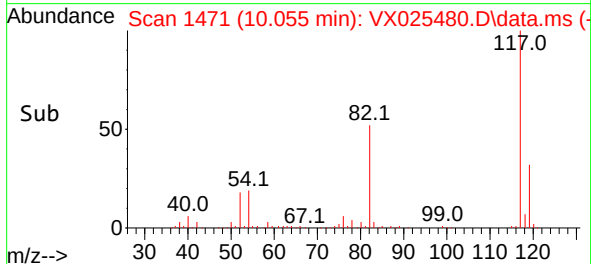
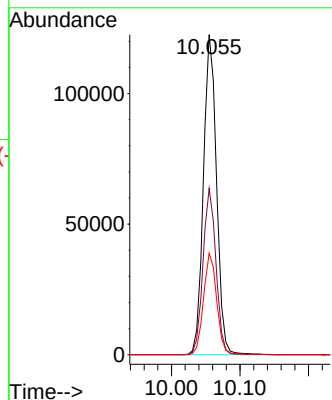
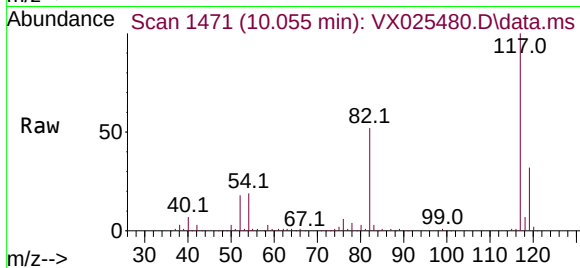




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

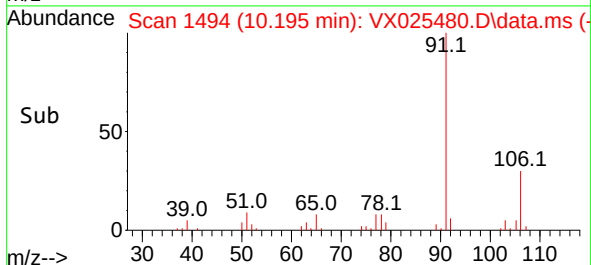
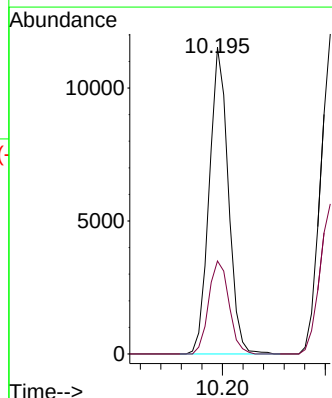
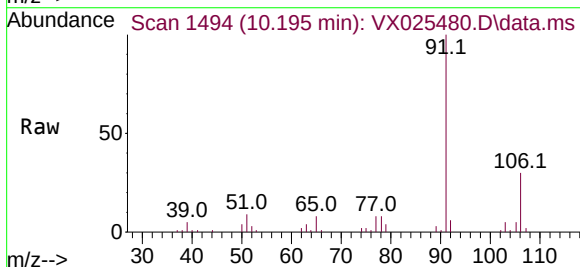
Instrument :
MSVOA_X
ClientSampleId :

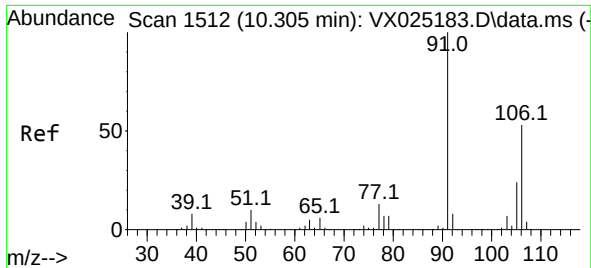
Tgt Ion:117 Resp: 163246
Ion Ratio Lower Upper
117 100
82 52.0 44.6 67.0
119 31.6 24.8 37.2



#67
Ethyl Benzene
Concen: 2.586 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Tgt Ion: 91 Resp: 14869
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

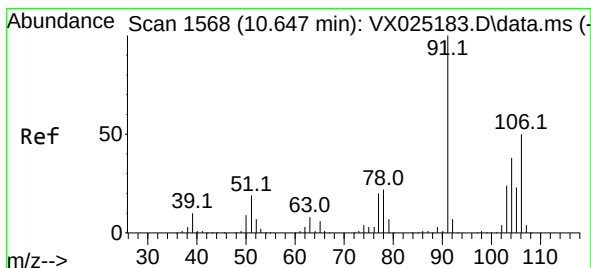
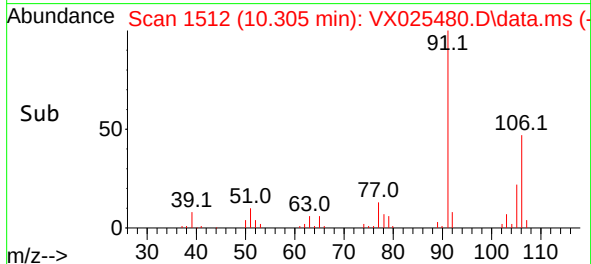
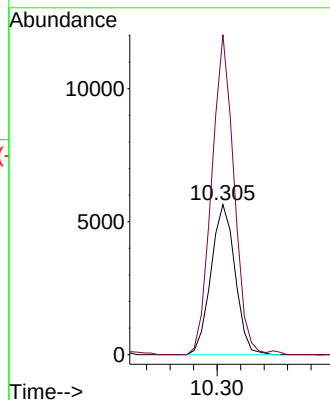
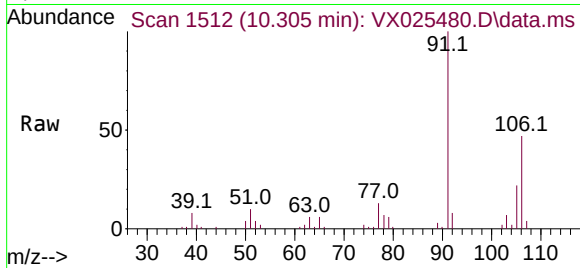




#68
m/p-Xylenes
Concen: 3.427 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

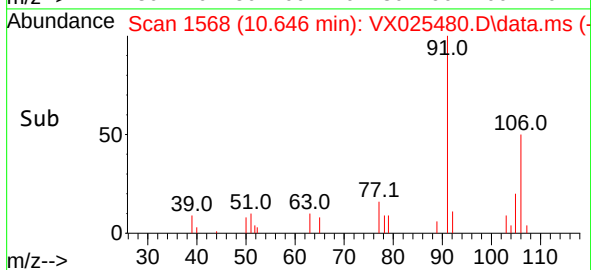
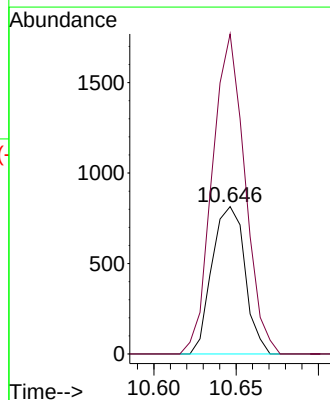
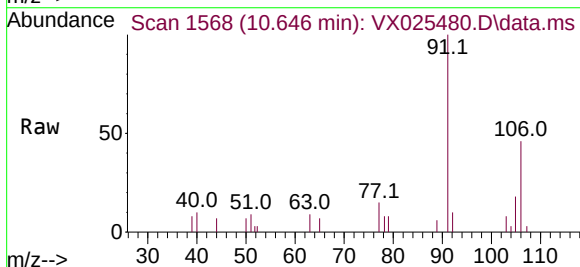
Instrument :
MSVOA_X
ClientSampleId :

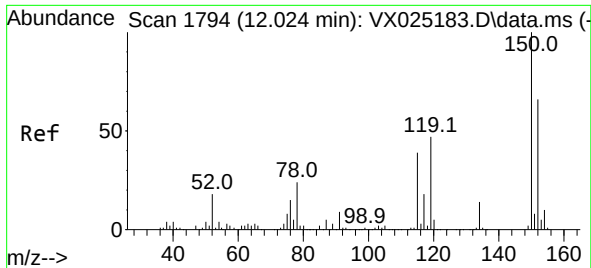
Tgt Ion:106 Resp: 8046
Ion Ratio Lower Upper
106 100
91 198.5 163.4 245.0



#69
o-Xylene
Concen: 0.494 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Tgt Ion:106 Resp: 1135
Ion Ratio Lower Upper
106 100
91 215.1 109.5 328.4

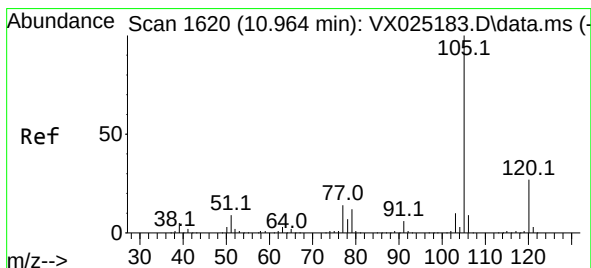
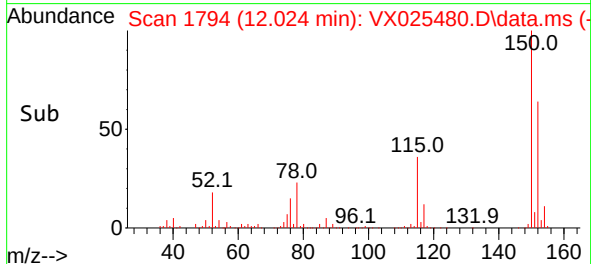
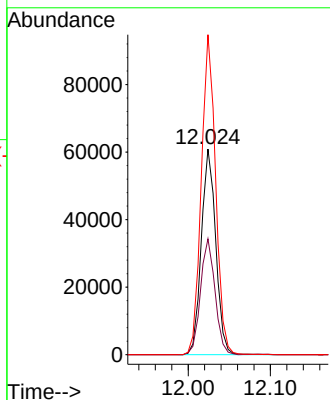
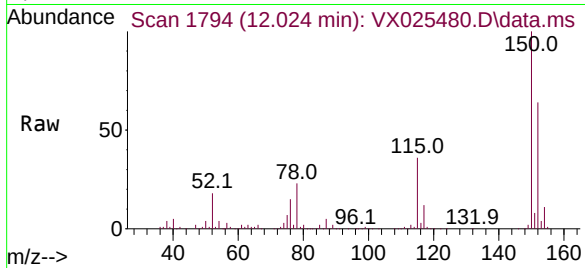




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

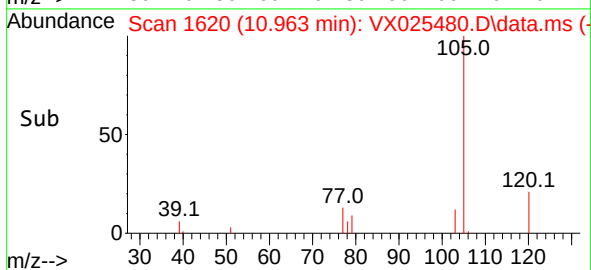
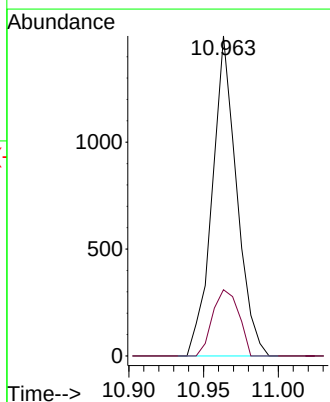
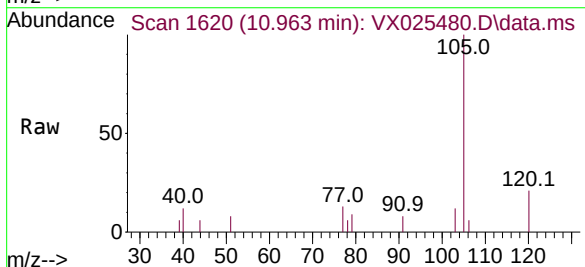
Instrument :
MSVOA_X
ClientSampleId :

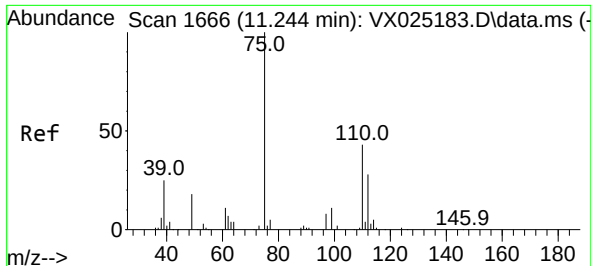
Tgt Ion:152 Resp: 74111
Ion Ratio Lower Upper
152 100
115 56.7 43.3 129.8
150 154.6 0.0 351.2



#73
Isopropylbenzene
Concen: 0.323 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Tgt Ion:105 Resp: 1706
Ion Ratio Lower Upper
105 100
120 22.1 13.3 39.8

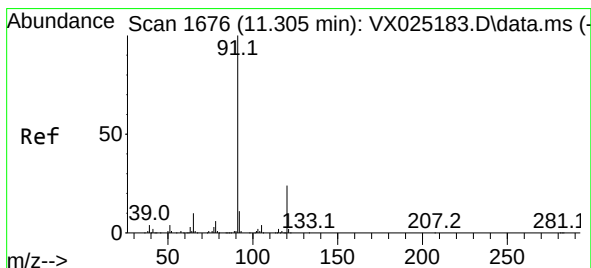
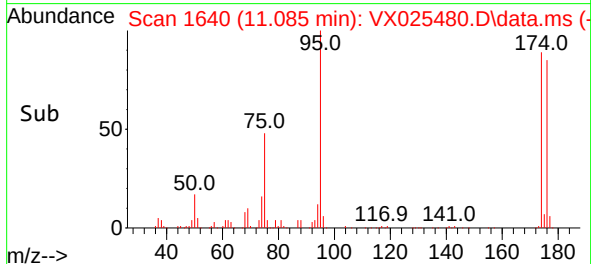
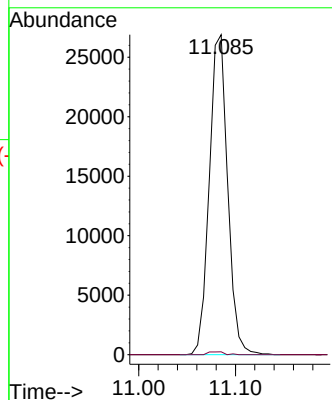
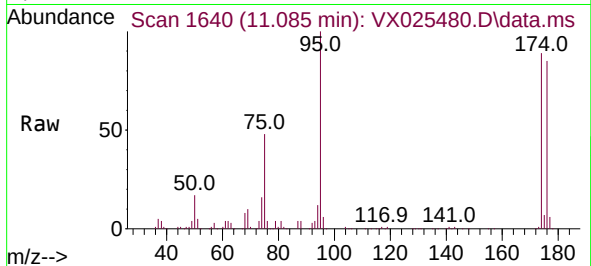




#76
1,2,3-Trichloropropane
Concen: 23.420 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

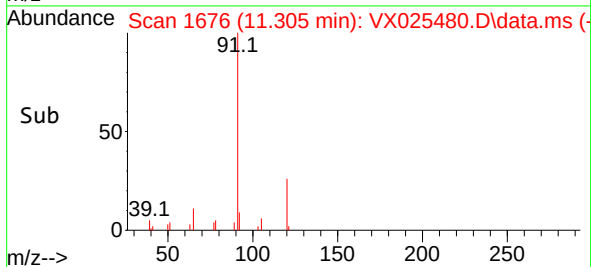
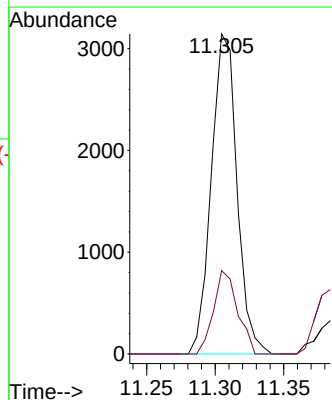
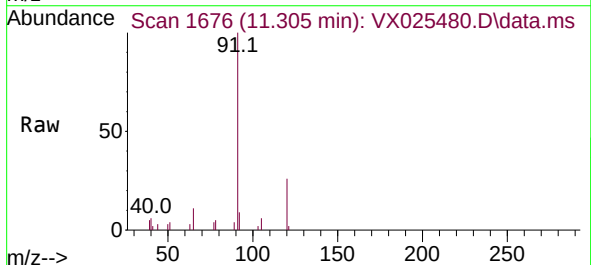
Instrument :
MSVOA_X
ClientSampleId :

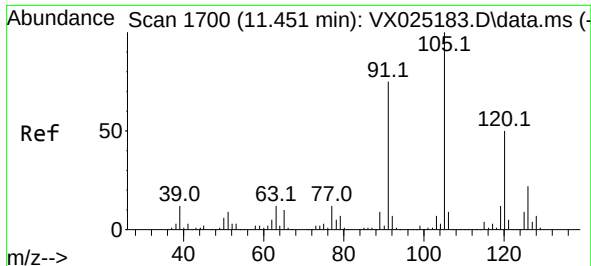
Tgt Ion: 75 Resp: 35543
Ion Ratio Lower Upper
75 100
77 0.8 20.0 59.9#



#78
n-propylbenzene
Concen: 0.690 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

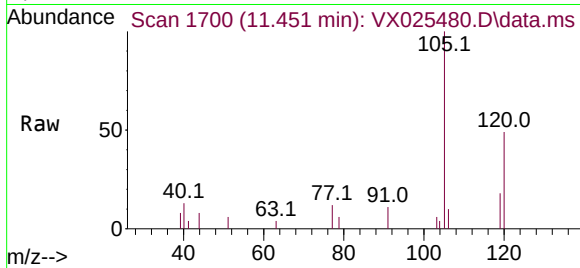
Tgt Ion: 91 Resp: 4093
Ion Ratio Lower Upper
91 100
120 24.3 11.7 35.0



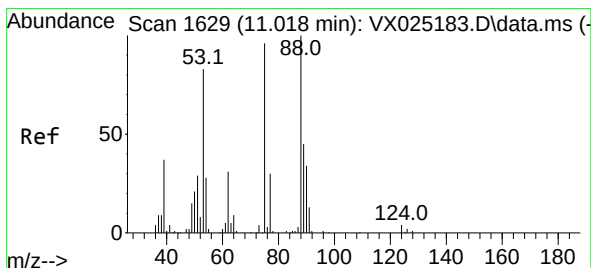
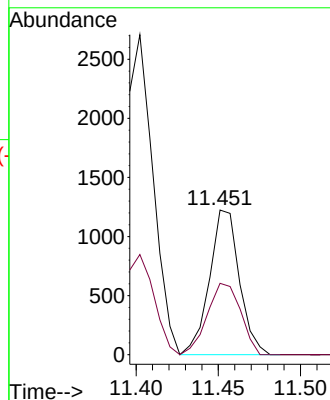
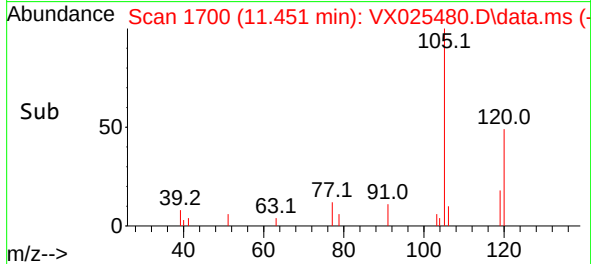


#80
1,3,5-Trimethylbenzene
Concen: 0.350 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Instrument :
MSVOA_X
ClientSampleId :

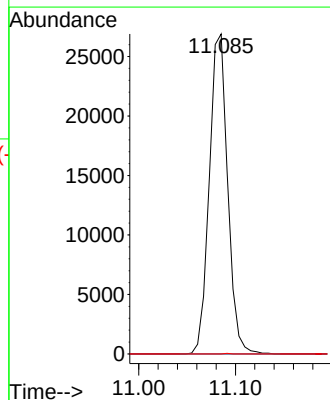
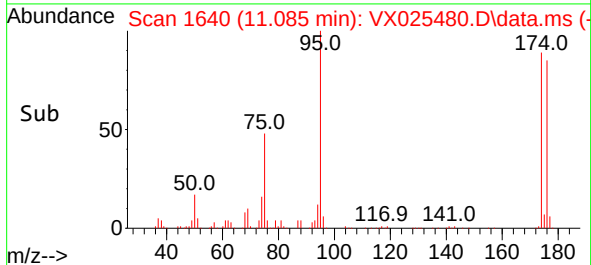
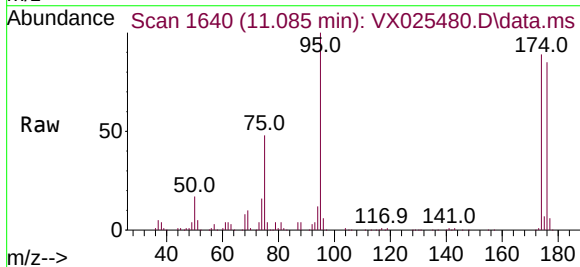


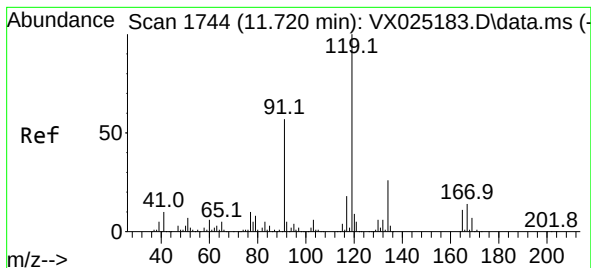
Tgt Ion:105 Resp: 1553
Ion Ratio Lower Upper
105 100
120 54.9 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 58.999 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025480.D
Acq: 03 Dec 2021 14:22

Tgt Ion: 75 Resp: 35543
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.1 38.2 57.2#





#83

tert-Butylbenzene

Concen: 0.318 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.036 min

Lab File: VX025480.D

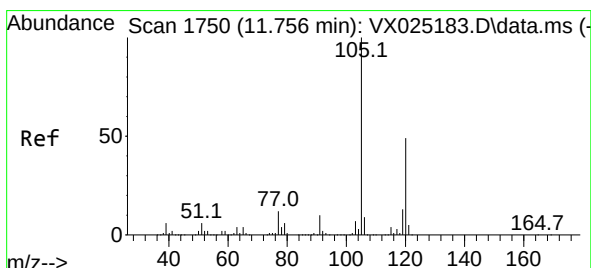
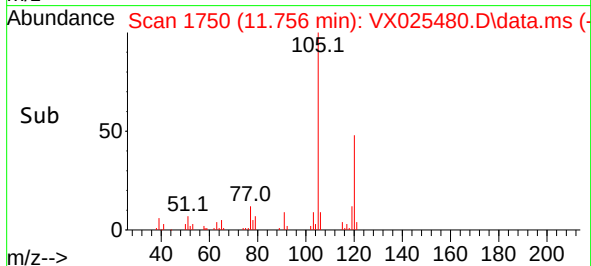
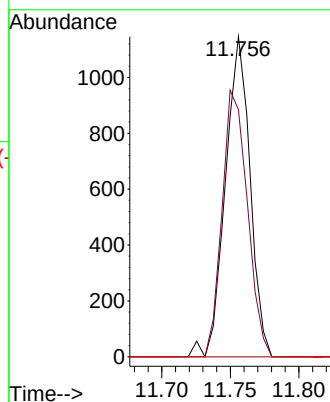
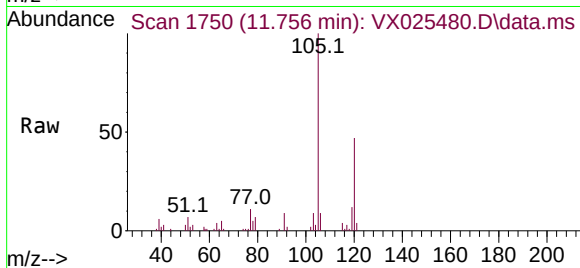
Acq: 03 Dec 2021 14:22

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:119	Resp:	1433
Ion Ratio	Lower	Upper
119	100	
91	85.6	30.3 90.9
134	0.0	11.4 34.1#



#84

1,2,4-Trimethylbenzene

Concen: 2.770 ug/l

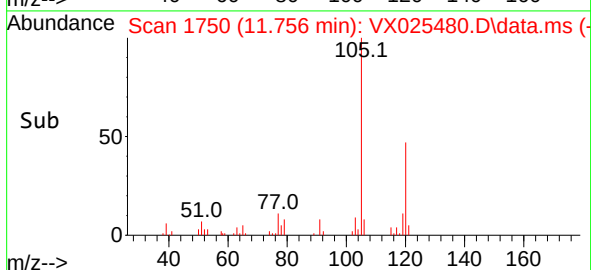
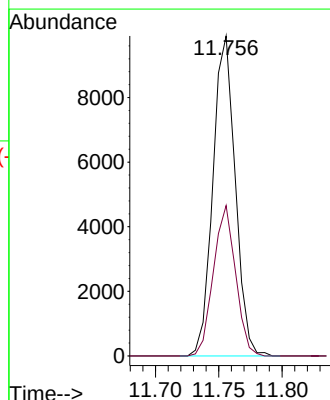
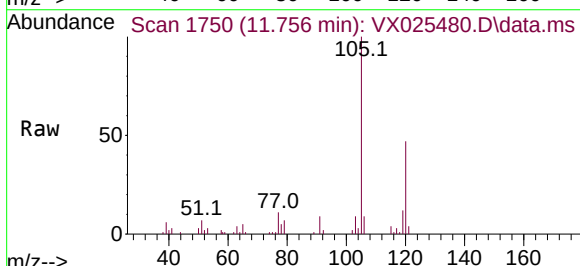
RT: 11.756 min Scan# 1750

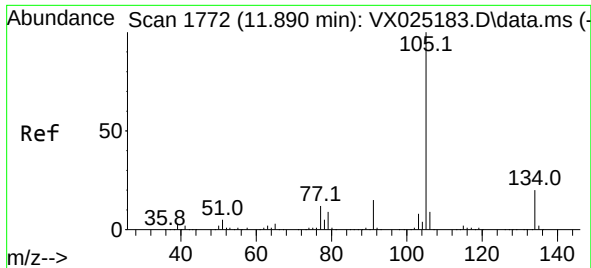
Delta R.T. -0.000 min

Lab File: VX025480.D

Acq: 03 Dec 2021 14:22

Tgt Ion:105	Resp:	12156
Ion Ratio	Lower	Upper
105	100	
120	46.6	22.1 66.3

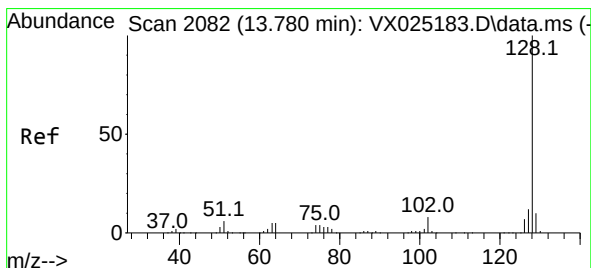
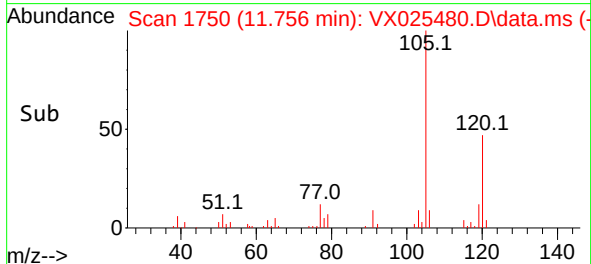
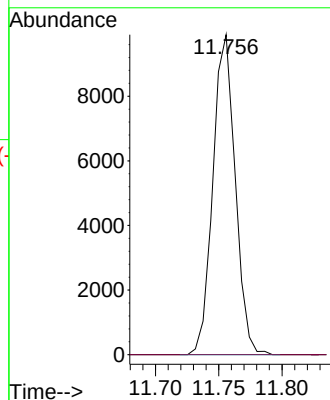
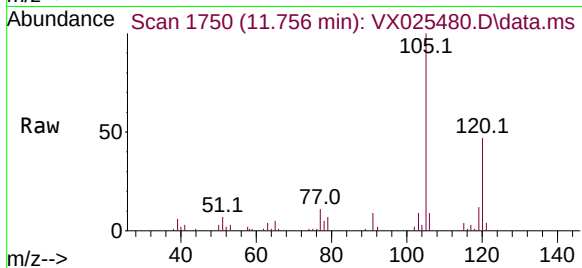




#85
 sec-Butylbenzene
 Concen: 2.216 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX025480.D
 Acq: 03 Dec 2021 14:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:105 Resp: 12156
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#95
 Naphthalene
 Concen: 0.475 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX025480.D
 Acq: 03 Dec 2021 14:22

Tgt Ion:128 Resp: 4232
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.3 15.5
 129 9.5 8.8 13.2

