

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091021\
 Data File : VX024166.D
 Acq On : 10 Sep 2021 15:22
 Operator : JC/MD
 Sample : M3689-01 10X
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 11 04:23:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

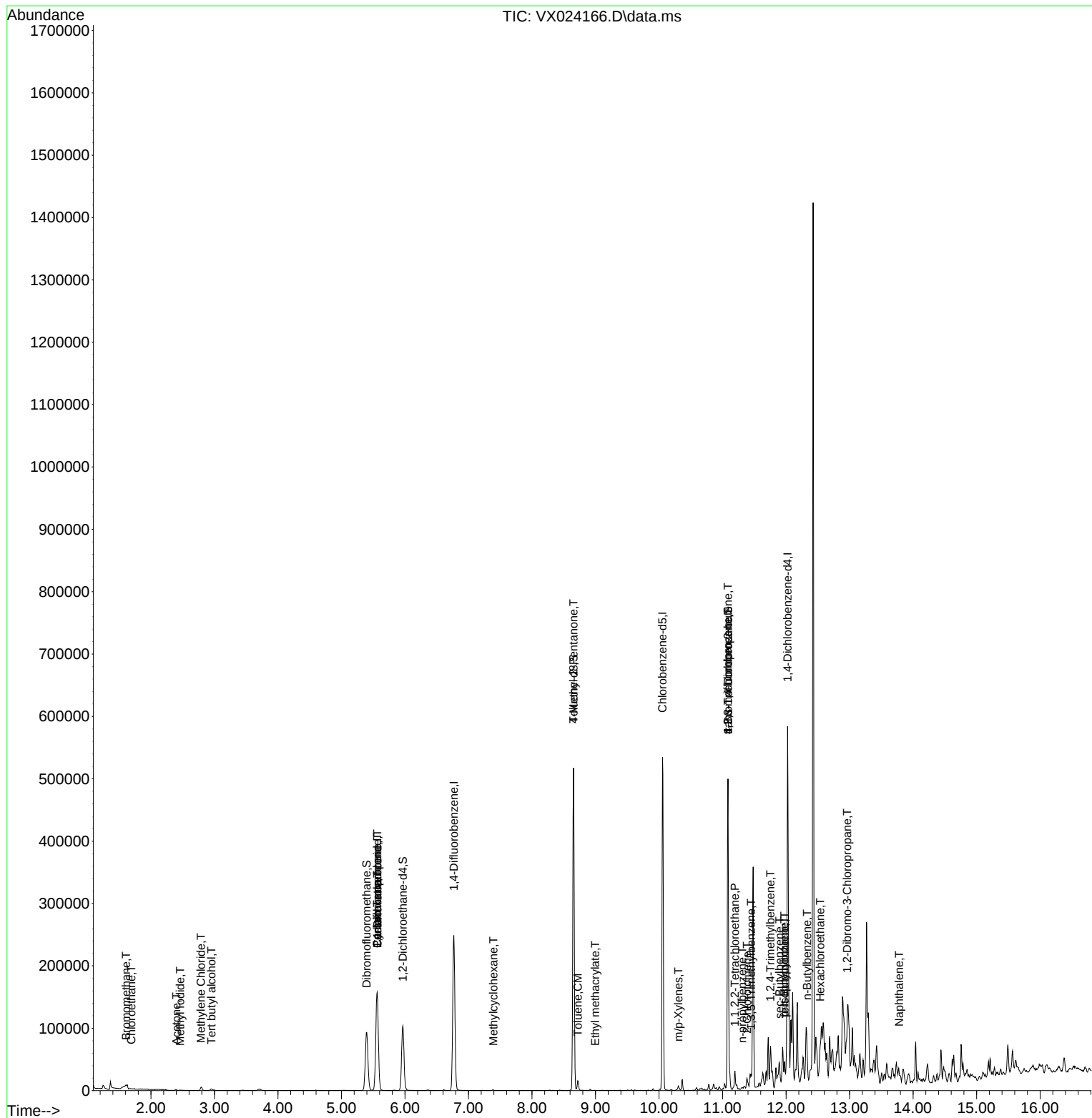
Internal Standards						
1) Pentafluorobenzene	5.562	168	148506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	250238	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107931	52.073	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.140%	
35) Dibromofluoromethane	5.397	113	80881	48.833	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.660%	
50) Toluene-d8	8.653	98	305135	48.405	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.800%	
62) 4-Bromofluorobenzene	11.085	95	121342	52.289	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.580%	
Target Compounds						Qvalue
5) Bromomethane	1.605	94	745	0.706	ug/l #	72
6) Chloroethane	1.691	64	715	2.705	ug/l #	43
10) Methyl Iodide	2.459	142	779	0.375	ug/l #	89
11) Tert butyl alcohol	2.953	59	1984	4.733	ug/l #	73
16) Acetone	2.398	43	1757	1.896	ug/l #	85
20) Methylene Chloride	2.788	84	2352	1.329	ug/l #	88
31) Cyclohexane	5.562	56	3327	1.249	ug/l #	43
36) 1,1-Dichloropropene	5.562	75	11852	5.114	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15462	6.398	ug/l #	17
39) Methylcyclohexane	7.391	83	572	0.203	ug/l	93
51) 4-Methyl-2-Pentanone	8.653	43	1445	0.502	ug/l #	1
52) Toluene	8.720	92	5590	1.259	ug/l	93
56) Ethyl methacrylate	8.994	69	19	0.765	ug/l #	1
68) m/p-Xylenes	10.305	106	1446	0.437	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.195	83	605	0.220	ug/l #	26
76) 1,2,3-Trichloropropane	11.085	75	63991	24.957	ug/l #	39
78) n-propylbenzene	11.311	91	2047	0.213	ug/l	95
79) 2-Chlorotoluene	11.384	91	1503	0.259	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	7052	1.024	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	63991	73.413	ug/l #	12
83) tert-Butylbenzene	11.975	119	4013	0.600	ug/l	77
84) 1,2,4-Trimethylbenzene	11.756	105	23626	3.439	ug/l	98
85) sec-Butylbenzene	11.896	105	2521	0.298	ug/l	92
86) p-Isopropyltoluene	11.975	119	4013	0.576	ug/l	88
89) n-Butylbenzene	12.329	91	9902	1.591	ug/l #	35
90) Hexachloroethane	12.536	117	1613	2.754	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.963	75	262	2.551	ug/l #	29
95) Naphthalene	13.780	128	8323	2.291	ug/l #	87

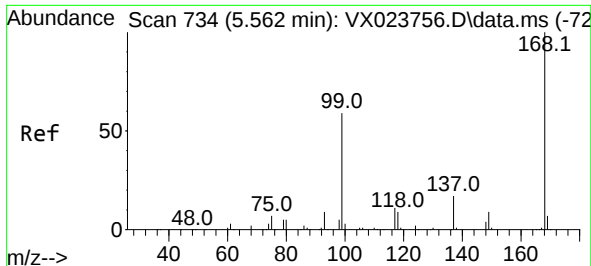
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091021\
Data File : VX024166.D
Acq On : 10 Sep 2021 15:22
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Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 11 04:23:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

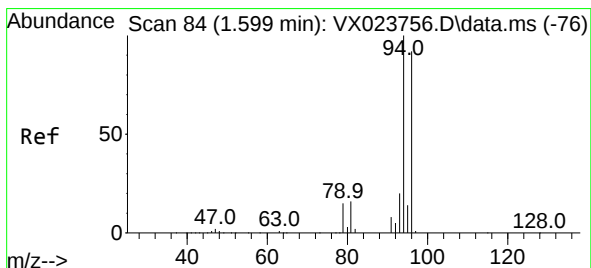
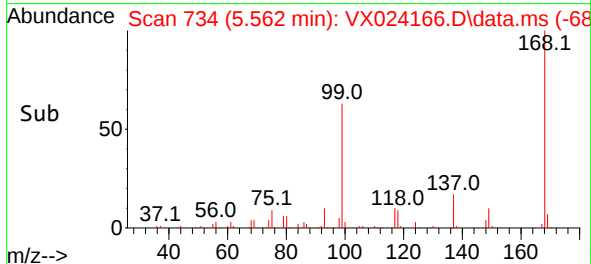
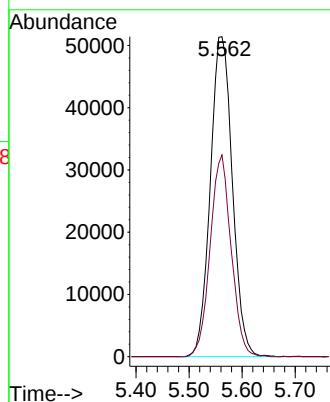
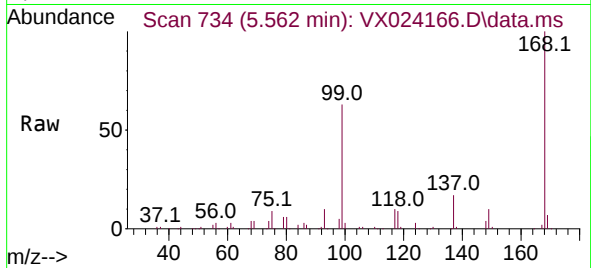




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

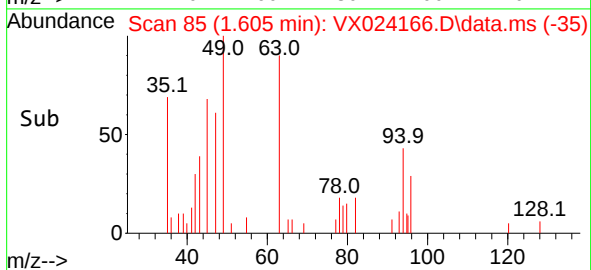
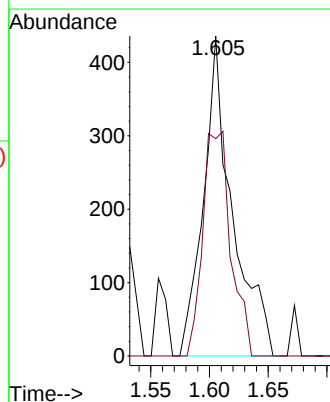
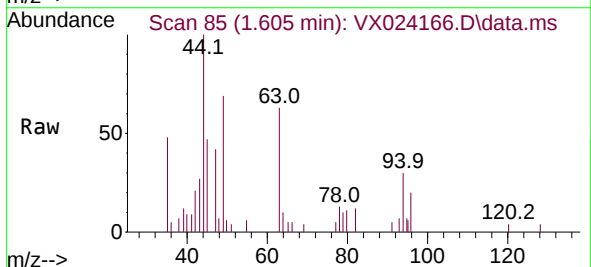
Instrument :
MSVOA_X
ClientSampled :

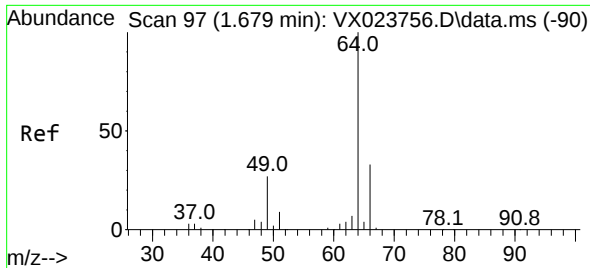
Tgt Ion:168 Resp: 148506
Ion Ratio Lower Upper
168 100
99 63.0 45.8 68.6



#5
Bromomethane
Concen: 0.706 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion: 94 Resp: 745
Ion Ratio Lower Upper
94 100
96 67.9 76.4 114.6#

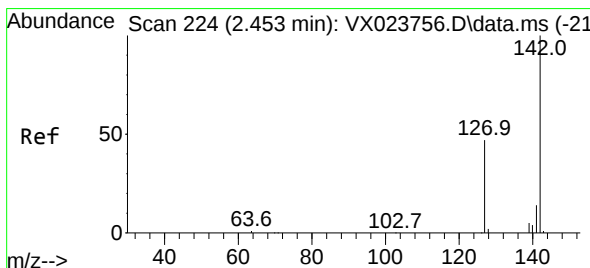
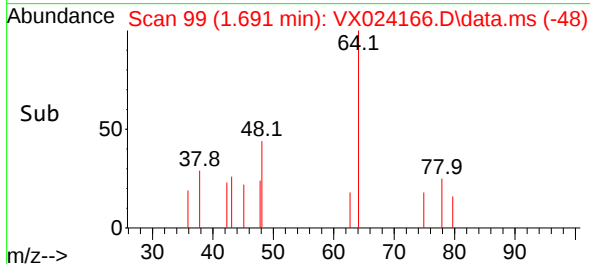
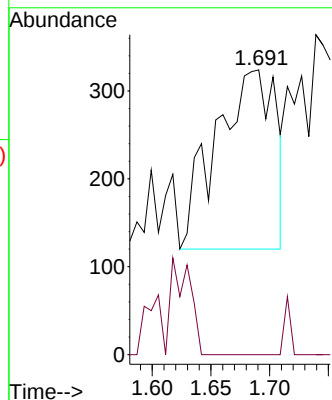
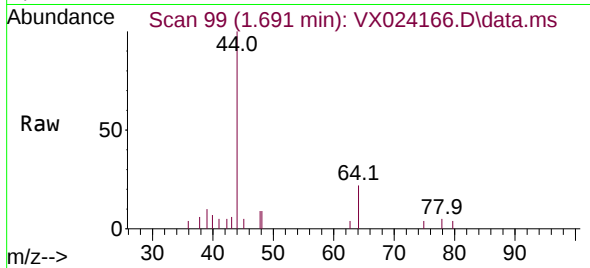




#6
Chloroethane
Concen: 2.705 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

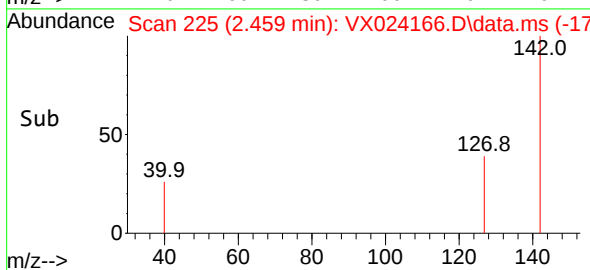
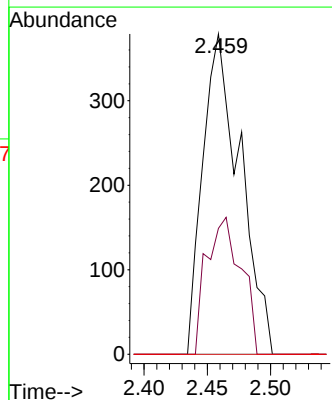
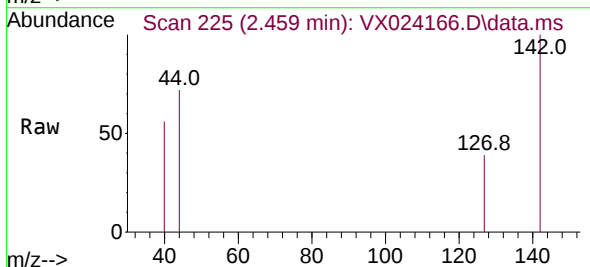
Instrument :
MSVOA_X
ClientSampled :

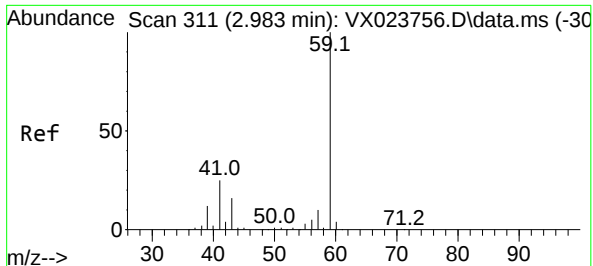
Tgt Ion: 64 Resp: 715
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.375 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion: 142 Resp: 779
Ion Ratio Lower Upper
142 100
127 39.5 33.3 49.9
141 0.0 11.4 17.0#



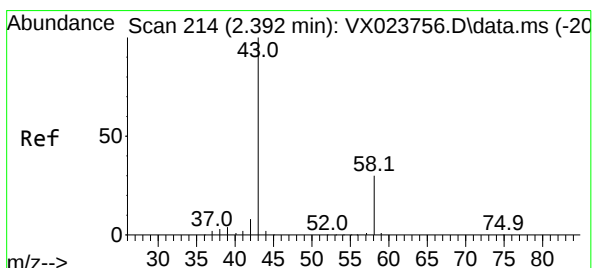
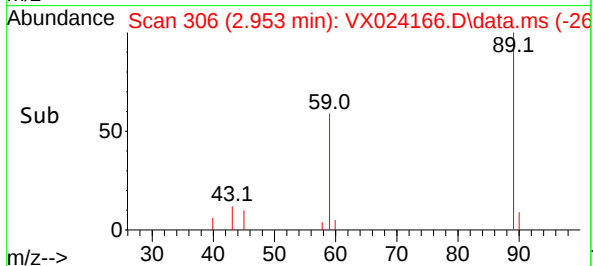
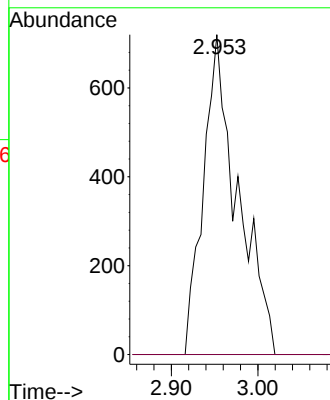
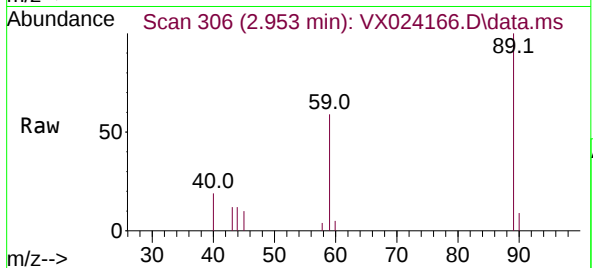


#11

Tert butyl alcohol
Concen: 4.733 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Instrument :
MSVOA_X
ClientSampled :

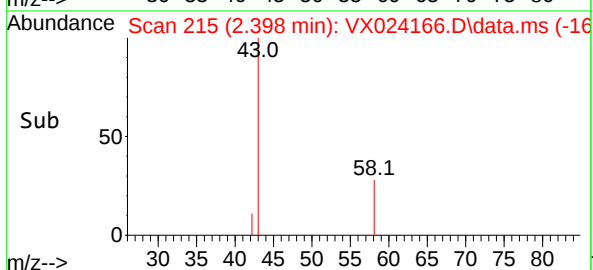
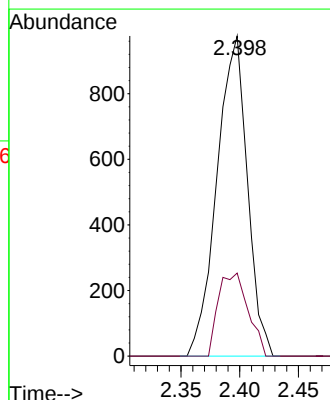
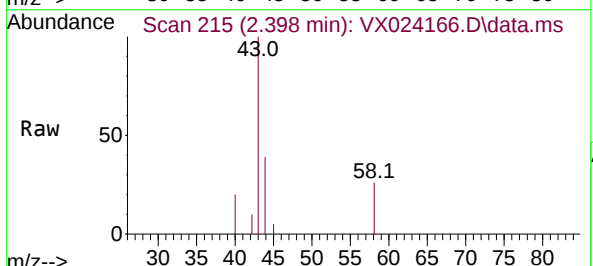
Tgt Ion: 59 Resp: 1984
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

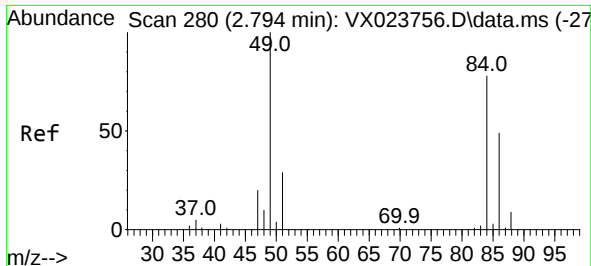


#16

Acetone
Concen: 1.896 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

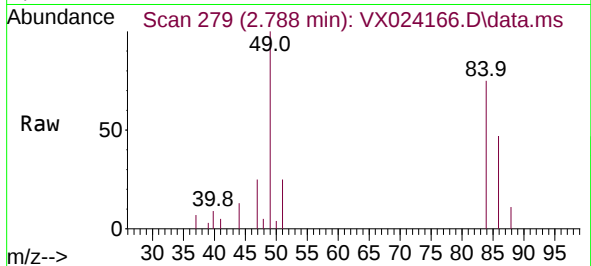
Tgt Ion: 43 Resp: 1757
Ion Ratio Lower Upper
43 100
58 25.9 27.8 41.8#





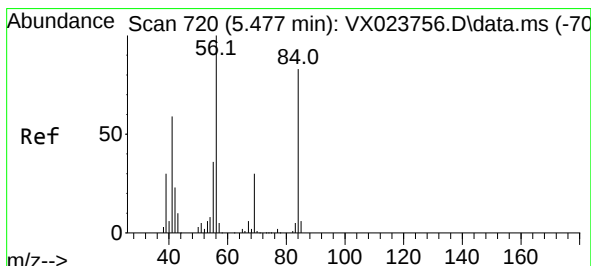
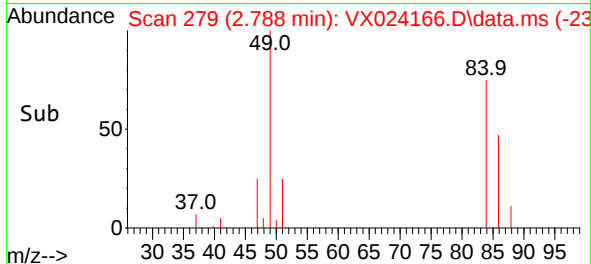
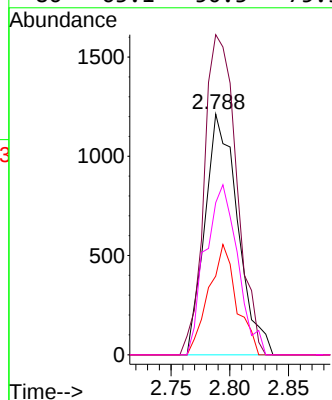
#20
Methylene Chloride
Concen: 1.329 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Instrument :
MSVOA_X
ClientSampled :

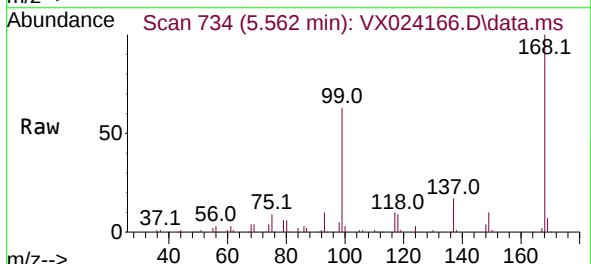


Tgt Ion: 84 Resp: 2352

Ion	Ratio	Lower	Upper
84	100		
49	133.0	88.6	132.8#
51	32.6	27.0	40.6
86	63.1	50.3	75.5

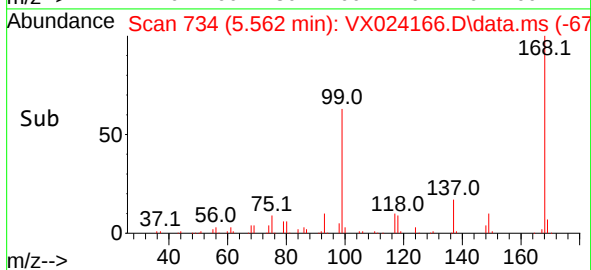
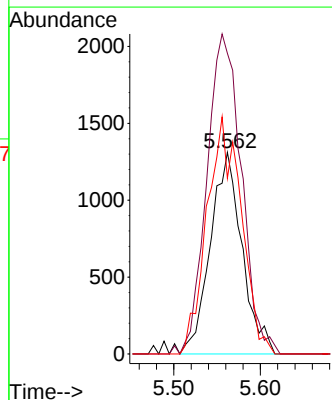


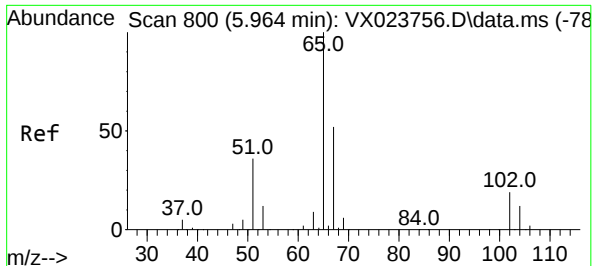
#31
Cyclohexane
Concen: 1.249 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22



Tgt Ion: 56 Resp: 3327

Ion	Ratio	Lower	Upper
56	100		
69	149.1	25.3	37.9#
84	87.2	71.4	107.0

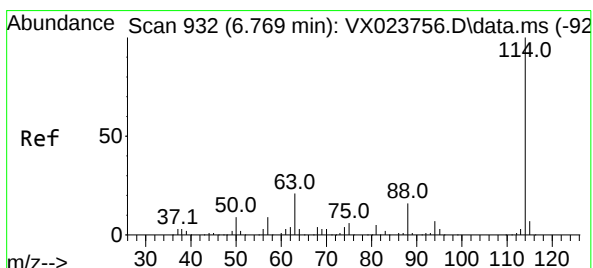
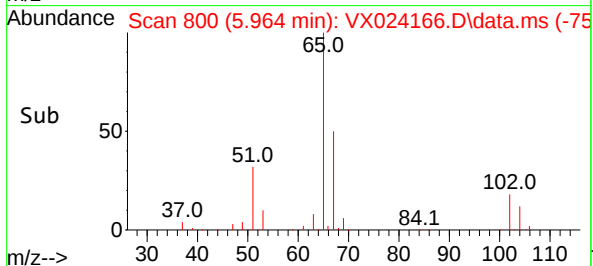
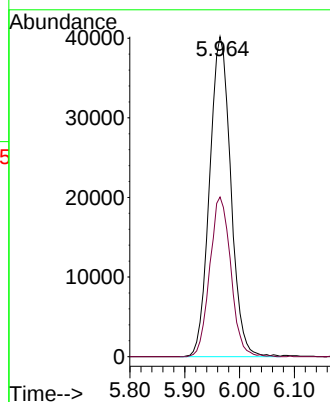
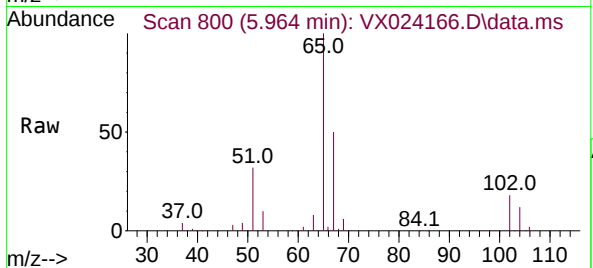




#33
 1,2-Dichloroethane-d4
 Concen: 52.073 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX024166.D
 Acq: 10 Sep 2021 15:22

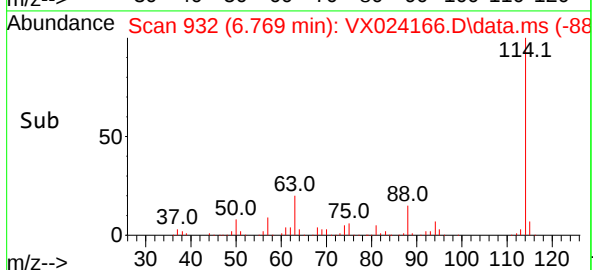
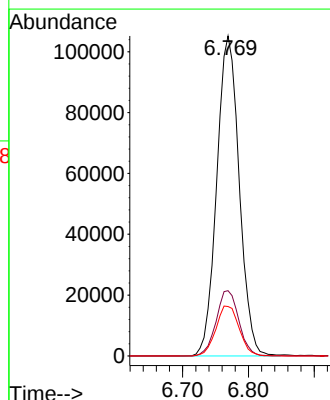
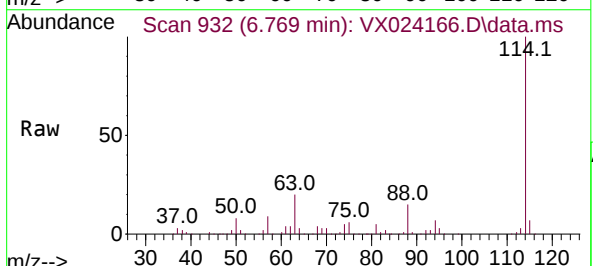
Instrument :
 MSVOA_X
 ClientSampled :

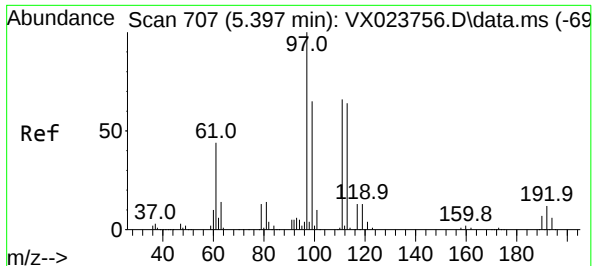
Tgt Ion: 65 Resp: 107931
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX024166.D
 Acq: 10 Sep 2021 15:22

Tgt Ion: 114 Resp: 250238
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 15.5 0.0 32.8

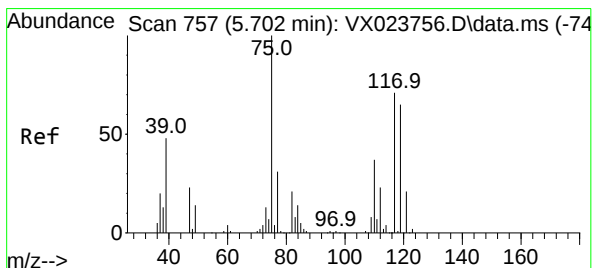
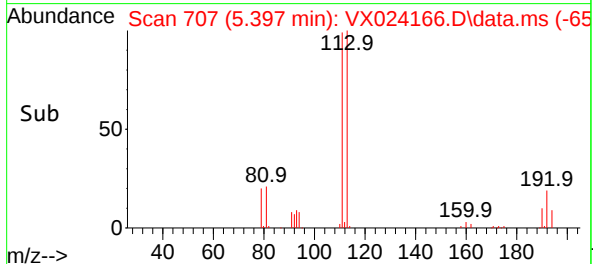
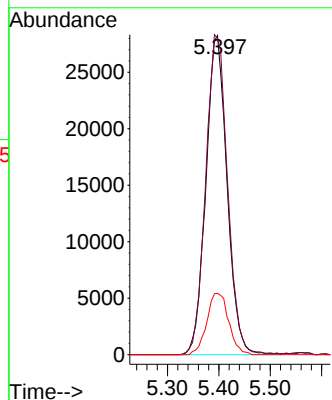
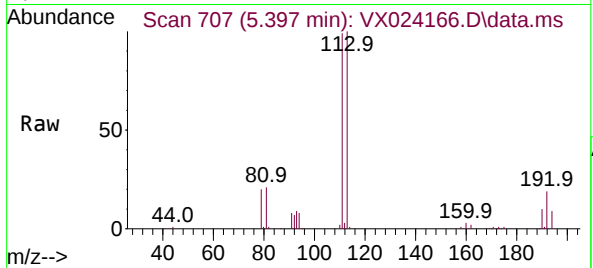




#35
Dibromofluoromethane
Concen: 48.833 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

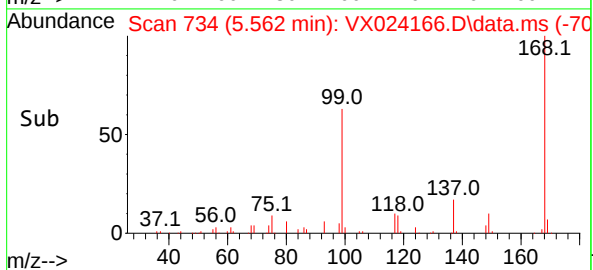
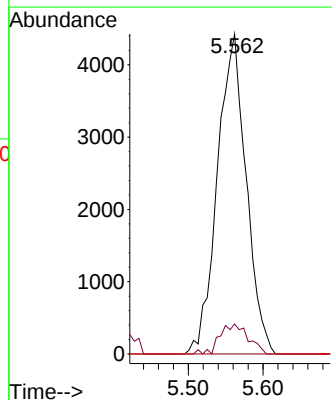
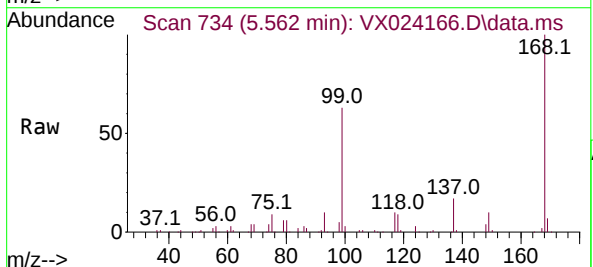
Instrument :
MSVOA_X
ClientSampled :

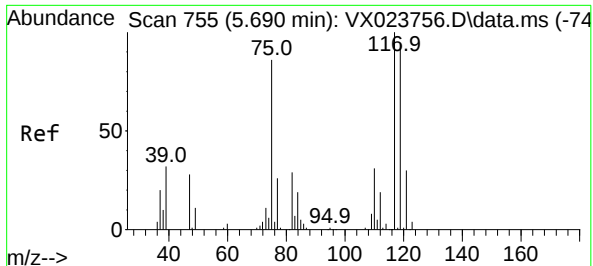
Tgt Ion:113 Resp: 80881
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.114 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

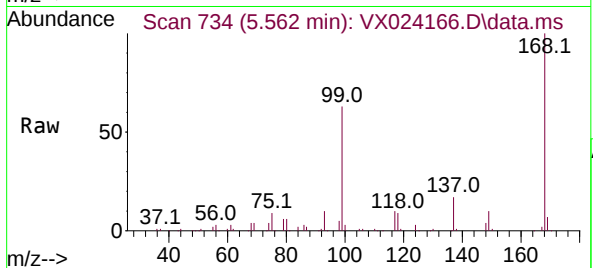
Tgt Ion: 75 Resp: 11852
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#



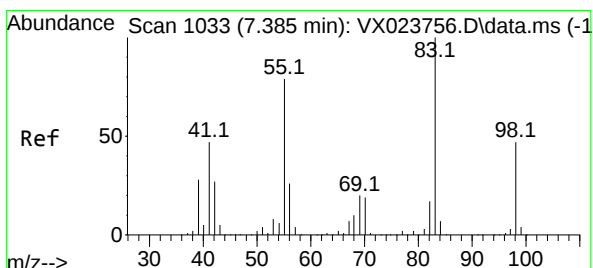
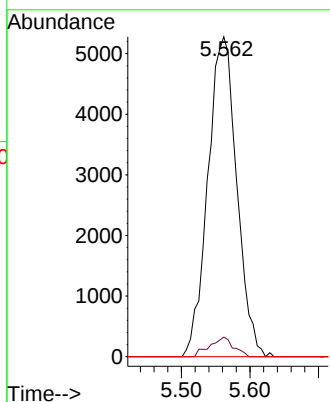
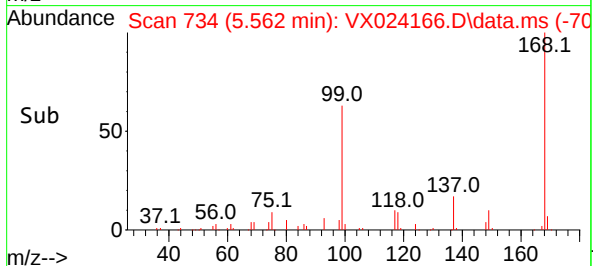


#38
Carbon Tetrachloride
Concen: 6.398 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

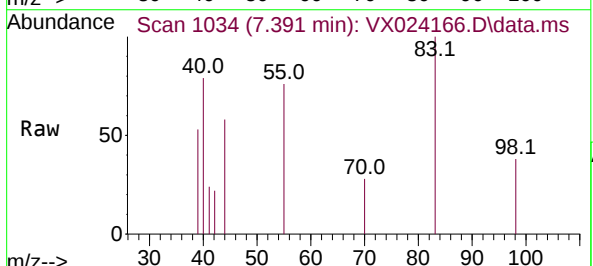
Instrument :
MSVOA_X
ClientSampled :



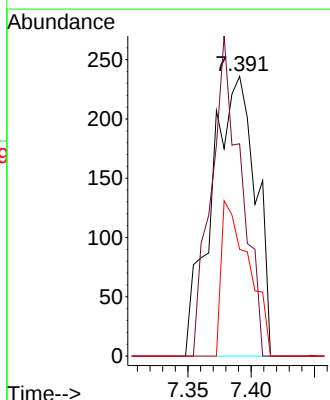
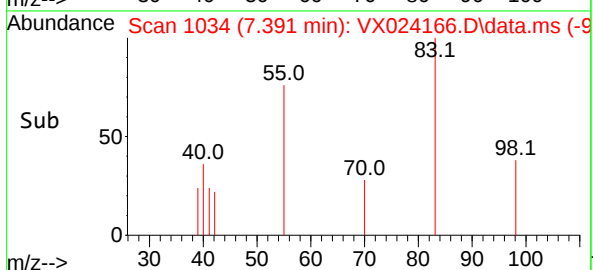
Tgt Ion:117 Resp: 15462
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#

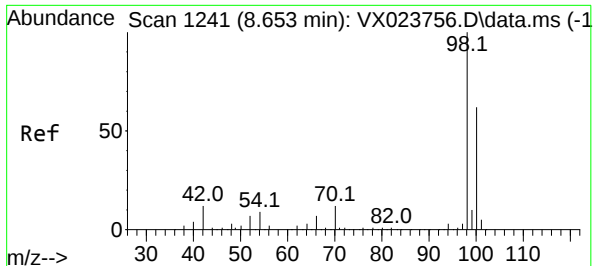


#39
Methylcyclohexane
Concen: 0.203 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22



Tgt Ion: 83 Resp: 572
Ion Ratio Lower Upper
83 100
55 75.8 58.9 88.3
98 38.1 38.1 57.1

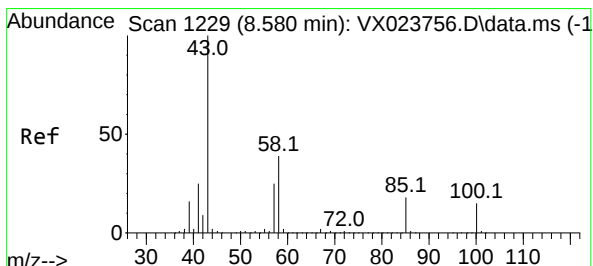
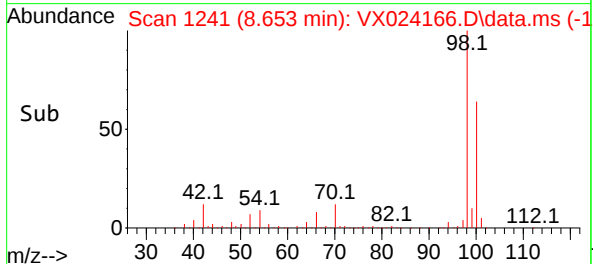
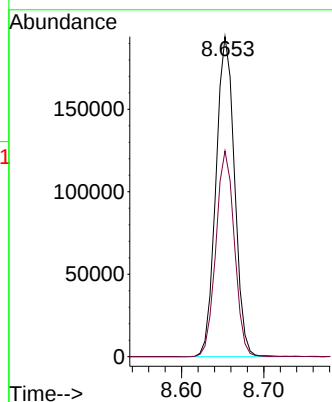
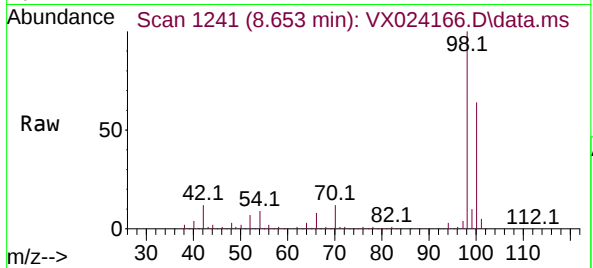




#50
Toluene-d8
Concen: 48.405 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

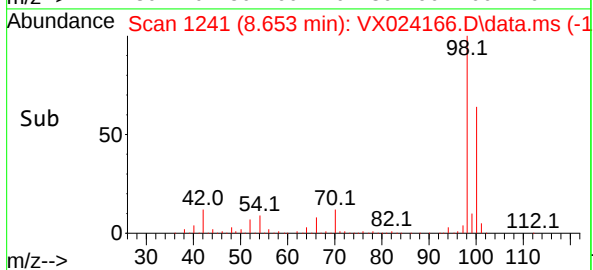
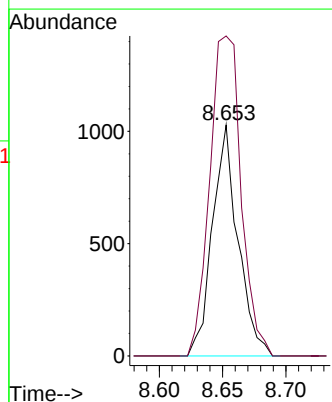
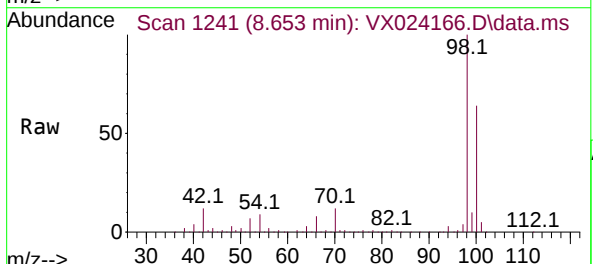
Instrument :
MSVOA_X
ClientSampled :

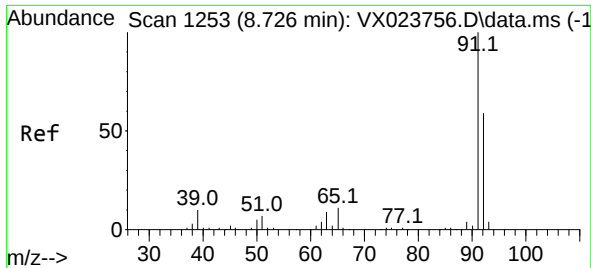
Tgt Ion: 98 Resp: 305135
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.502 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
58 170.7 35.4 53.0#

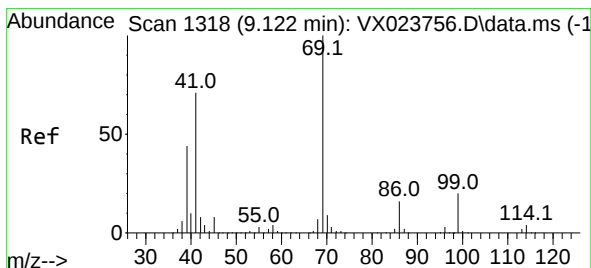
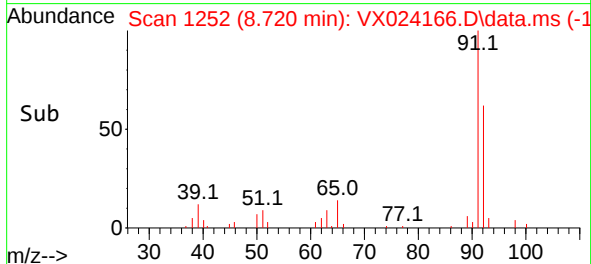
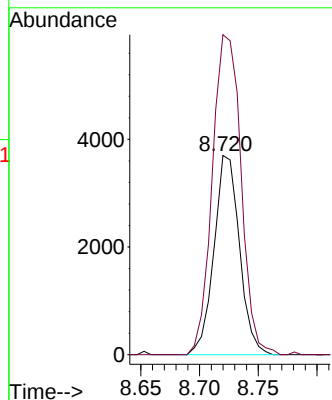
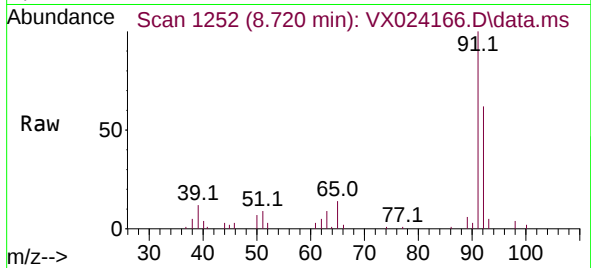




#52
Toluene
Concen: 1.259 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

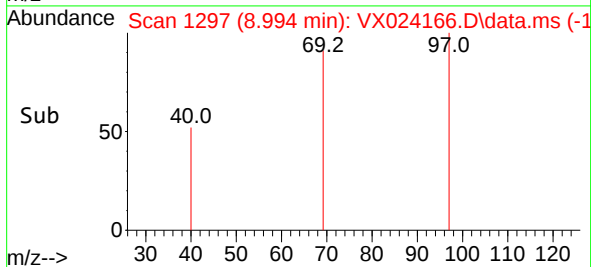
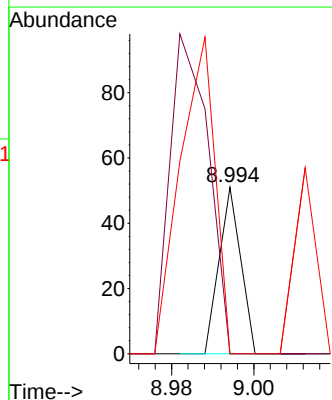
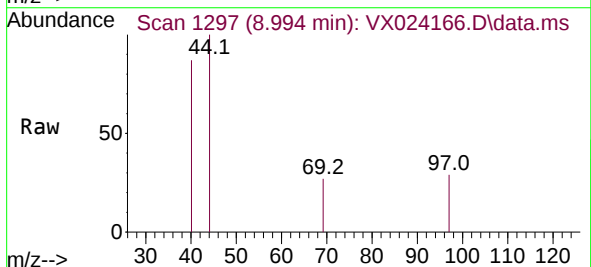
Instrument :
MSVOA_X
ClientSampled :

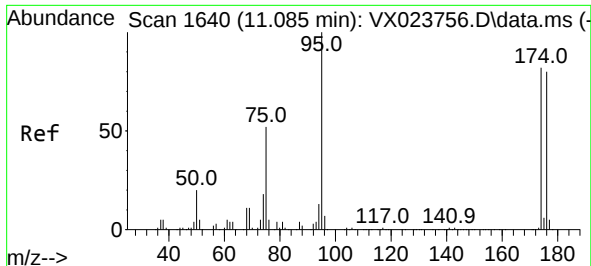
Tgt Ion: 92 Resp: 5590
Ion Ratio Lower Upper
92 100
91 180.6 137.1 205.7



#56
Ethyl methacrylate
Concen: 0.765 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. -0.128 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 331.6 46.8 70.2#
39 300.0 24.7 37.1#

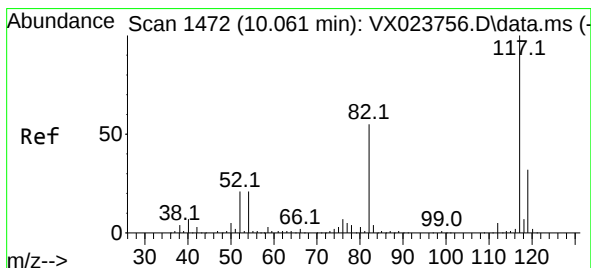
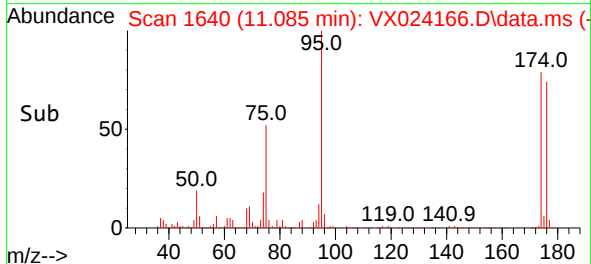
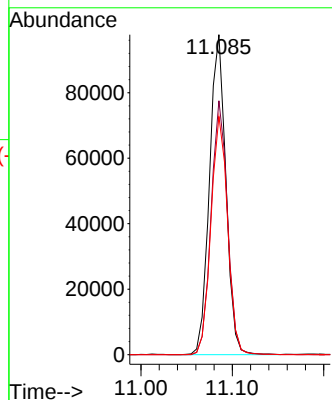
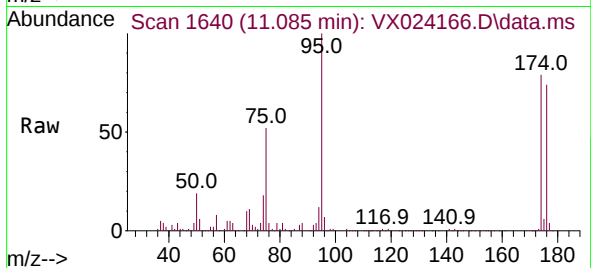




#62
4-Bromofluorobenzene
Concen: 52.289 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

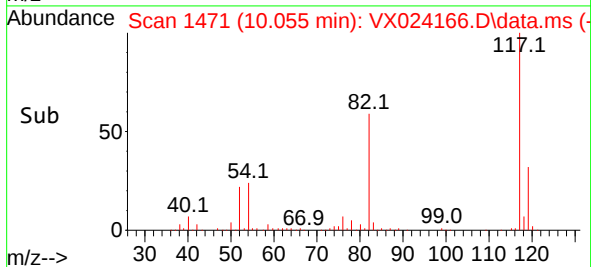
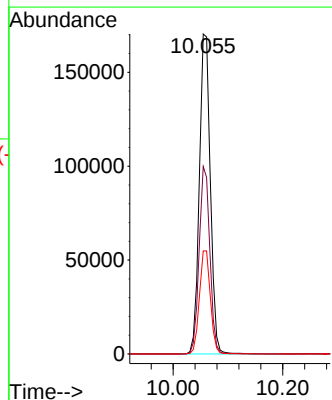
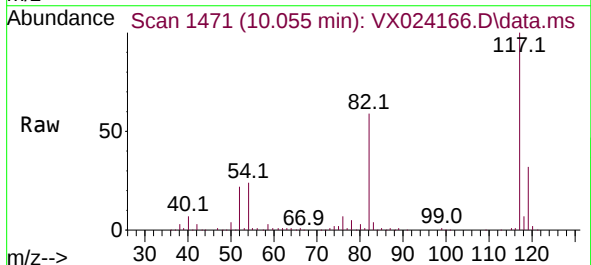
Instrument :
MSVOA_X
ClientSampled :

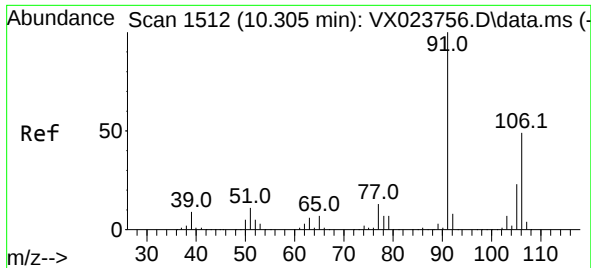
Tgt Ion: 95 Resp: 121342
Ion Ratio Lower Upper
95 100
174 79.4 0.0 154.6
176 75.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion: 117 Resp: 238134
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 32.2 26.6 39.8

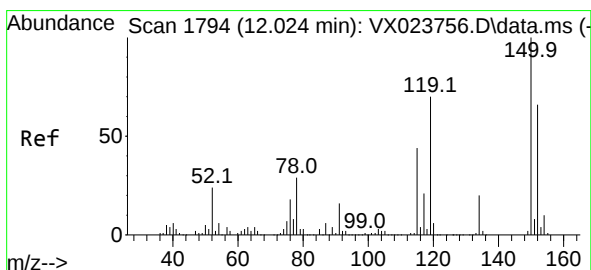
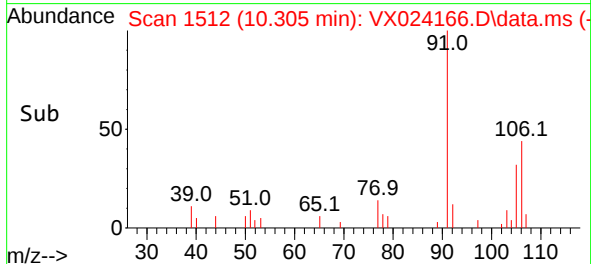
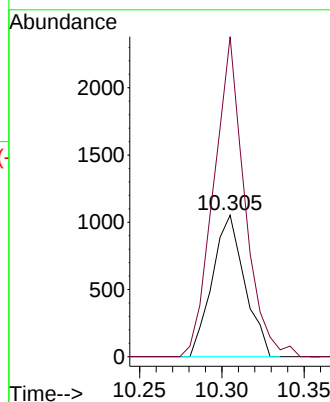
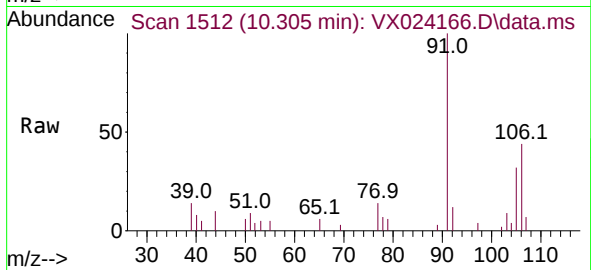




#68
m/p-Xylenes
Concen: 0.437 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

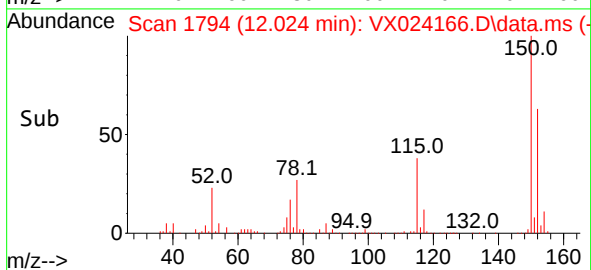
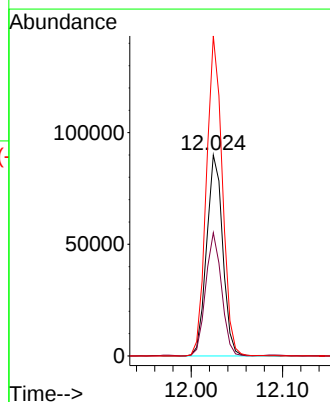
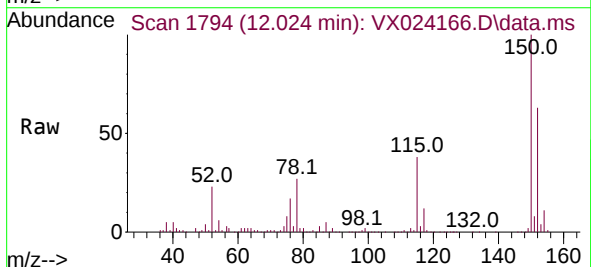
Instrument :
MSVOA_X
ClientSampled :

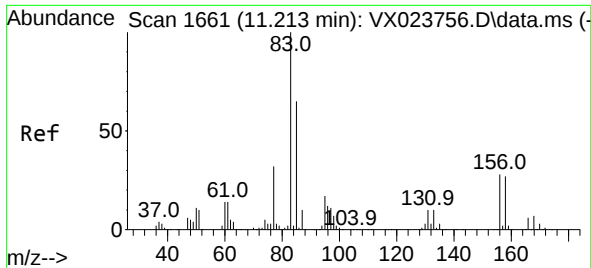
Tgt Ion:106 Resp: 1446
Ion Ratio Lower Upper
106 100
91 215.4 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion:152 Resp: 109914
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 157.1 0.0 349.0

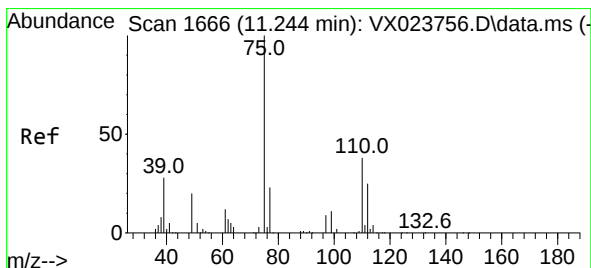
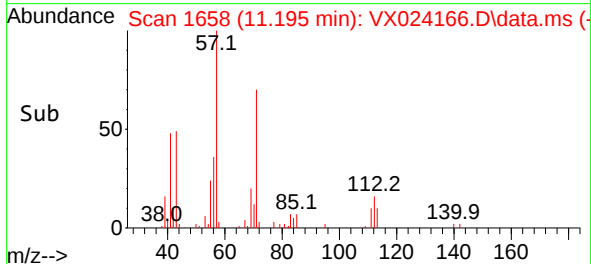
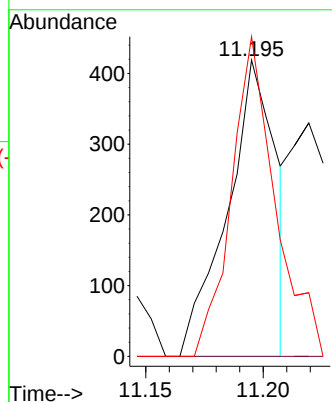
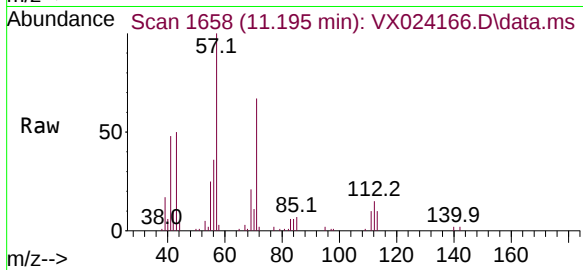




#75
1,1,2,2-Tetrachloroethane
Concen: 0.220 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.018 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

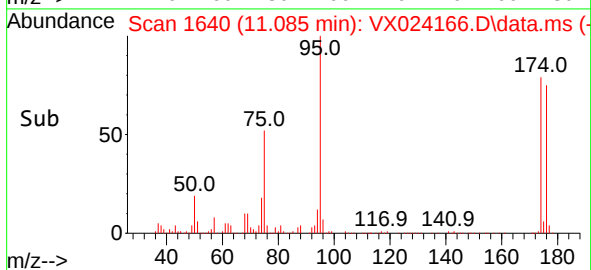
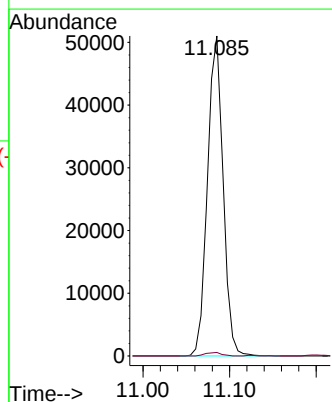
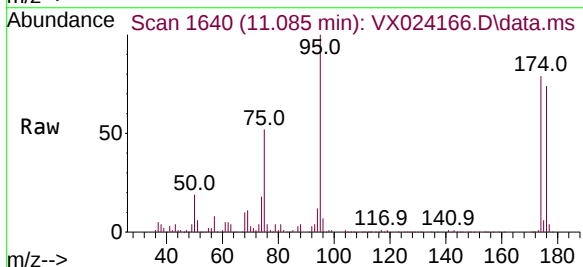
Instrument :
MSVOA_X
ClientSampled :

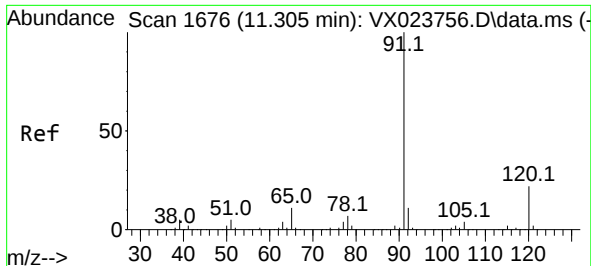
Tgt Ion: 83 Resp: 605
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.2#
85 0.0 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 24.957 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion: 75 Resp: 63991
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

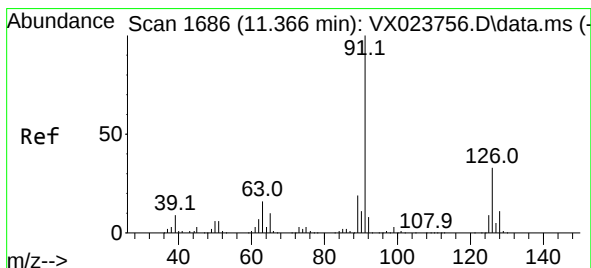
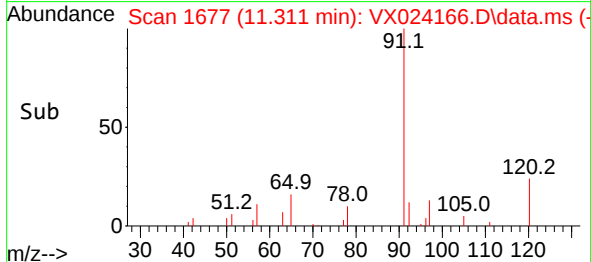
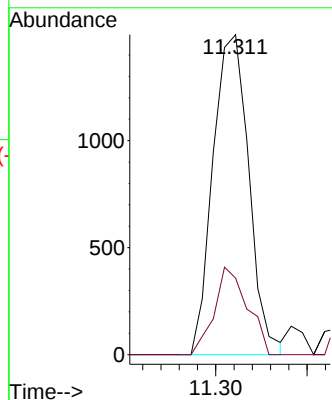
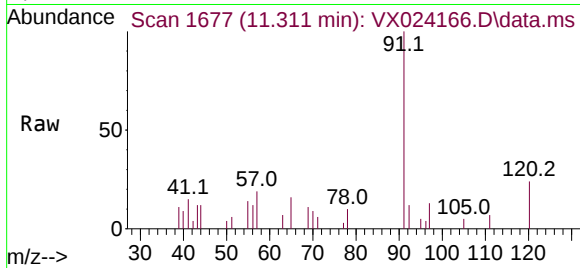




#78
n-propylbenzene
Concen: 0.213 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

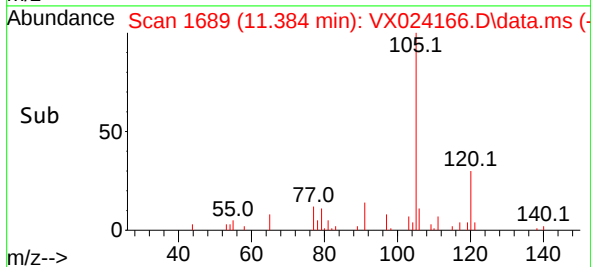
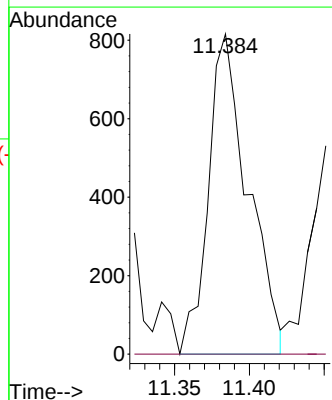
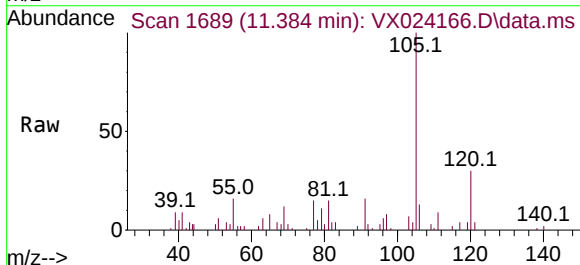
Instrument :
MSVOA_X
ClientSampled :

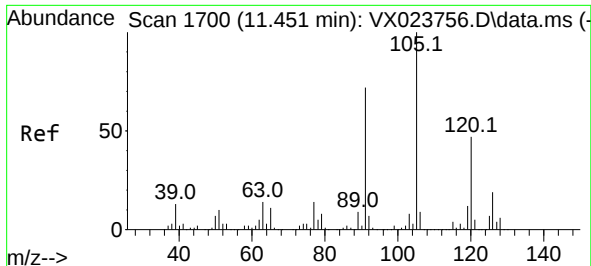
Tgt Ion: 91 Resp: 2047
Ion Ratio Lower Upper
91 100
120 25.2 11.5 34.5



#79
2-Chlorotoluene
Concen: 0.259 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.018 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion: 91 Resp: 1503
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

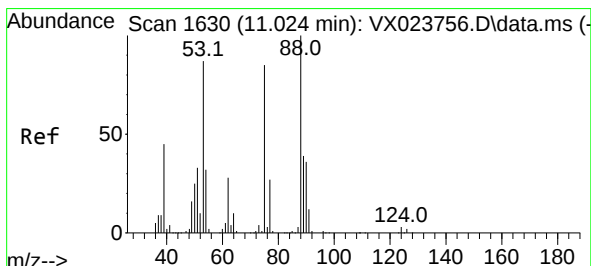
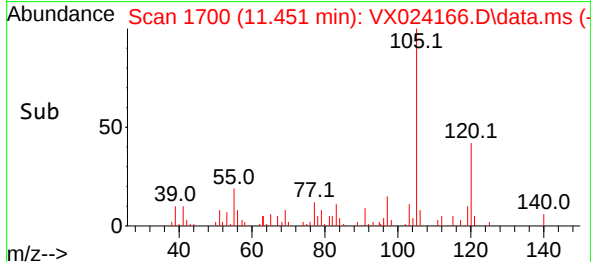
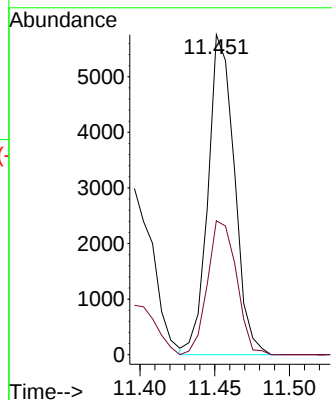
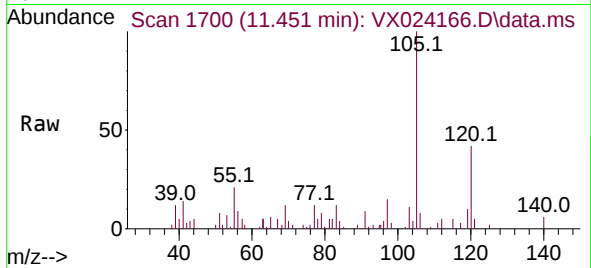




#80
1,3,5-Trimethylbenzene
Concen: 1.024 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

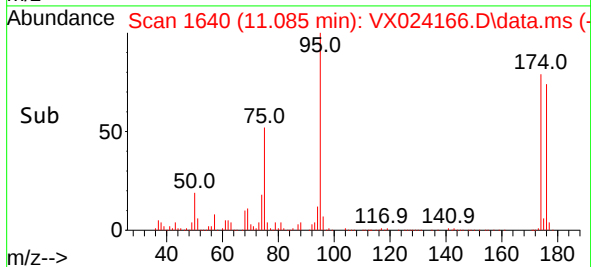
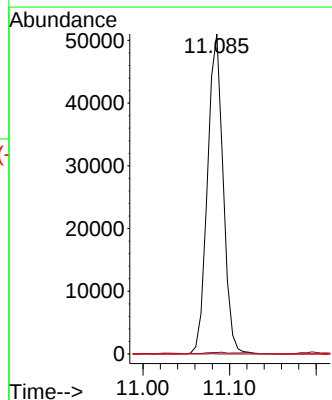
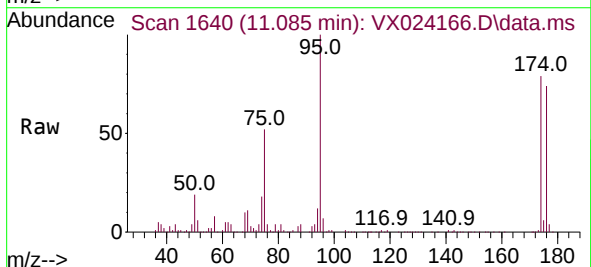
Instrument :
MSVOA_X
ClientSampled :

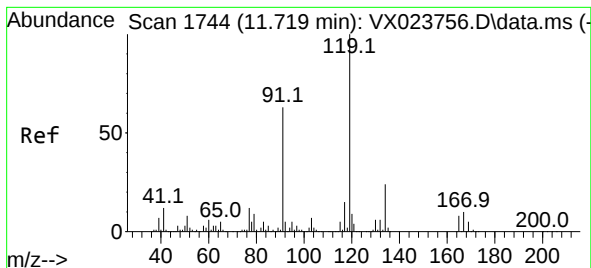
Tgt Ion:105 Resp: 7052
Ion Ratio Lower Upper
105 100
120 46.0 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 73.413 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion: 75 Resp: 63991
Ion Ratio Lower Upper
75 100
53 0.8 74.5 111.7#
89 0.1 37.9 56.9#





#83

tert-Butylbenzene

Concen: 0.600 ug/l

RT: 11.975 min Scan# 1786

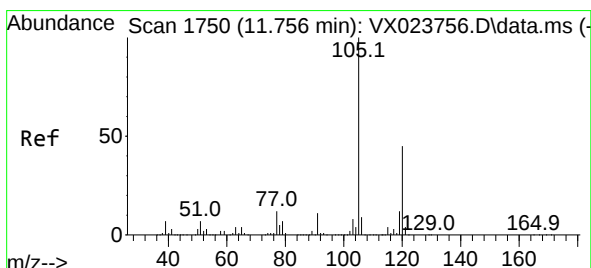
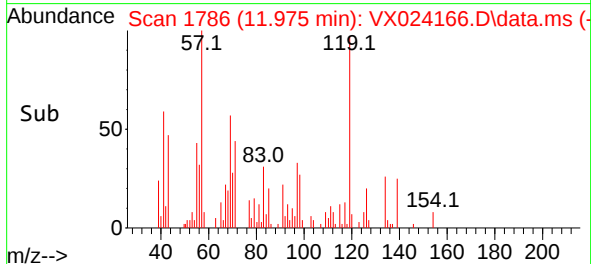
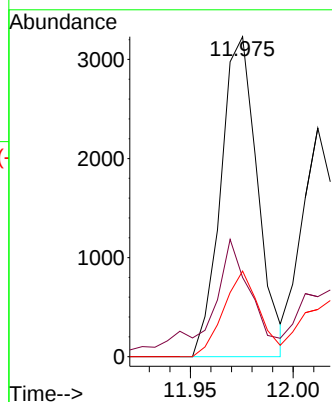
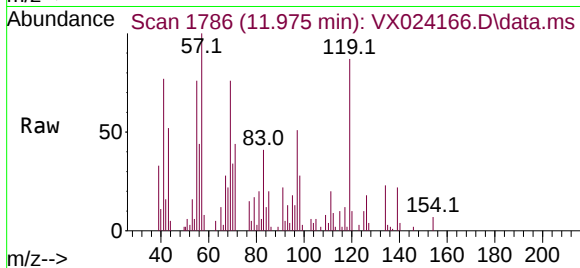
Delta R.T. 0.256 min

Lab File: VX024166.D

Acq: 10 Sep 2021 15:22

Tgt Ion:	119	Resp:	4013
Ion Ratio	Lower	Upper	
119	100		
91	34.6	27.9	83.7
134	26.5	11.3	33.9

Instrument :
MSVOA_X
ClientSampled :



#84

1,2,4-Trimethylbenzene

Concen: 3.439 ug/l

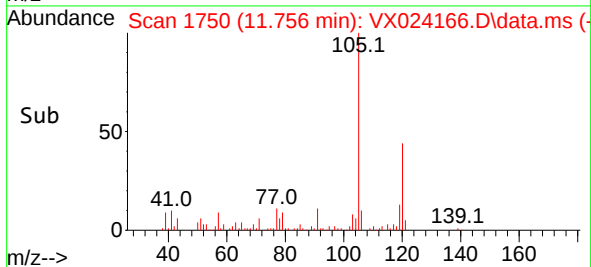
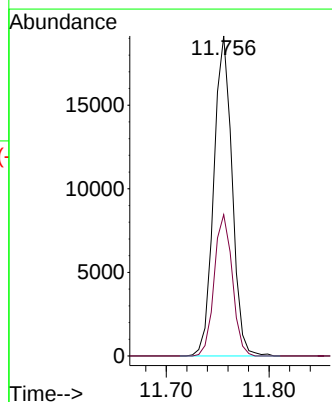
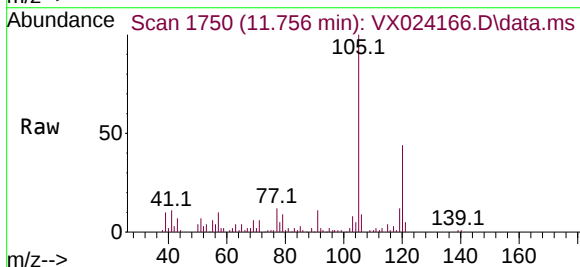
RT: 11.756 min Scan# 1750

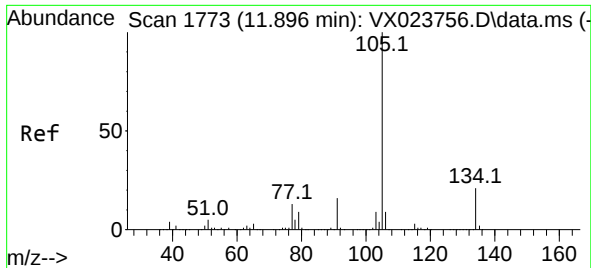
Delta R.T. -0.000 min

Lab File: VX024166.D

Acq: 10 Sep 2021 15:22

Tgt Ion:	105	Resp:	23626
Ion Ratio	Lower	Upper	
105	100		
120	43.5	22.4	67.3

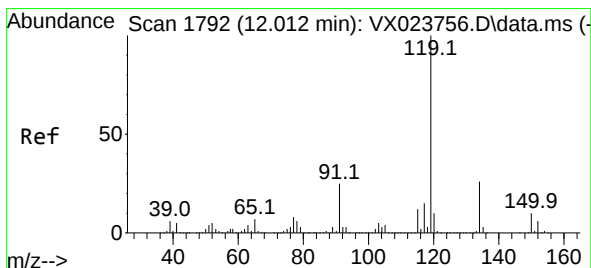
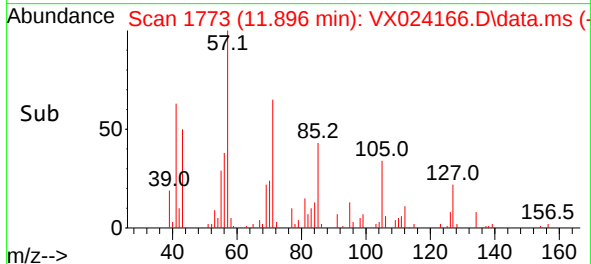
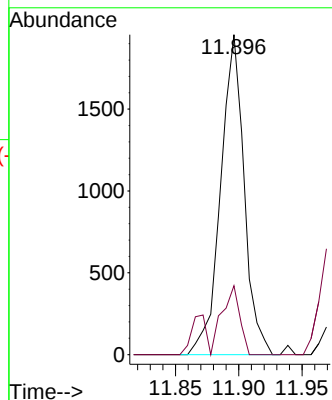
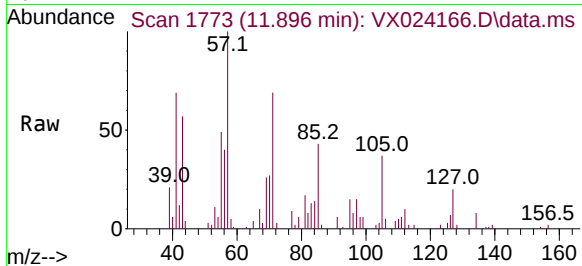




#85
 sec-Butylbenzene
 Concen: 0.298 ug/l
 RT: 11.896 min Scan# 1773
 Delta R.T. 0.000 min
 Lab File: VX024166.D
 Acq: 10 Sep 2021 15:22

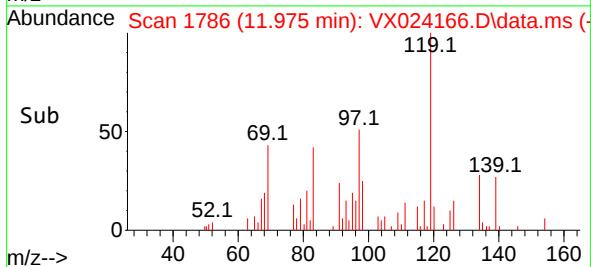
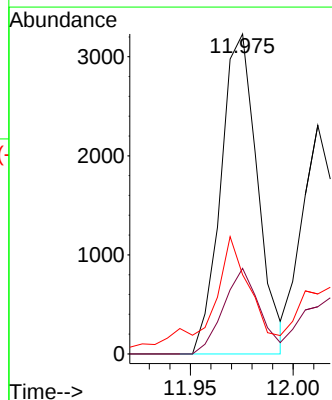
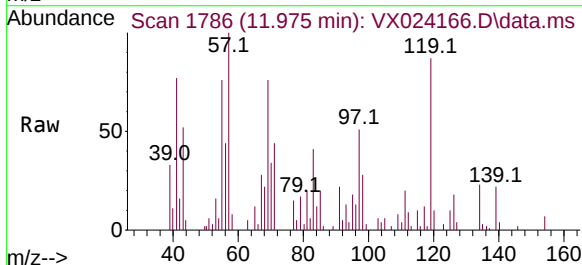
Instrument :
 MSVOA_X
 ClientSampled :

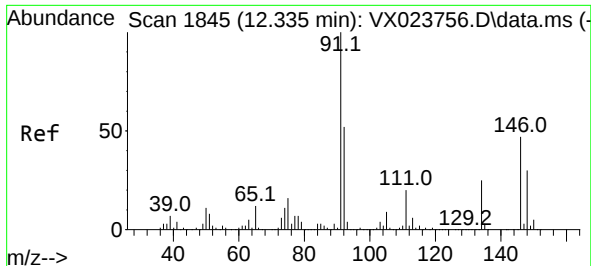
Tgt Ion:105 Resp: 2521
 Ion Ratio Lower Upper
 105 100
 134 16.3 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 0.576 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. -0.037 min
 Lab File: VX024166.D
 Acq: 10 Sep 2021 15:22

Tgt Ion:119 Resp: 4013
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.9 38.7
 91 34.6 11.7 35.0

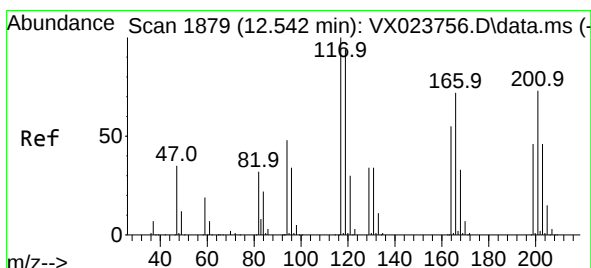
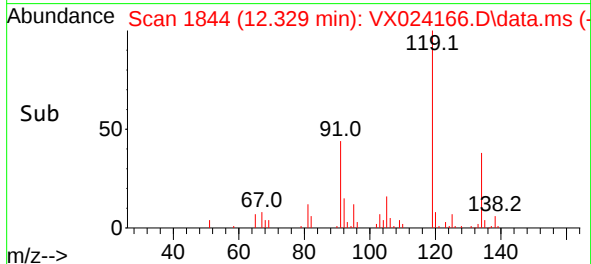
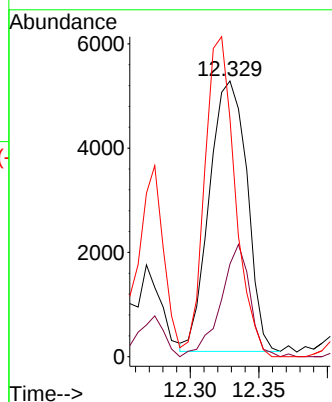
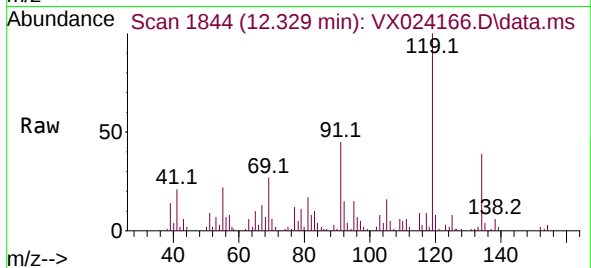




#89
n-Butylbenzene
Concen: 1.591 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

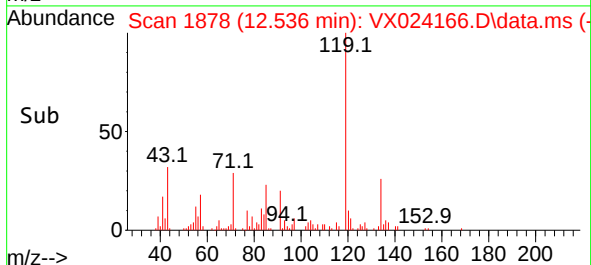
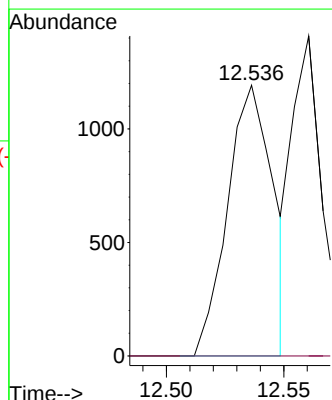
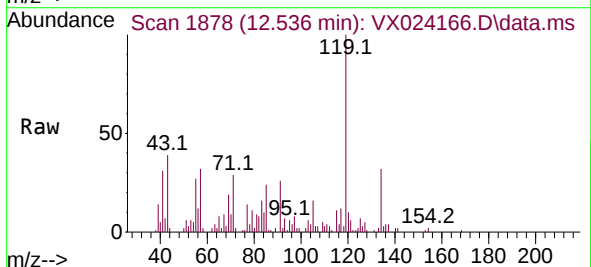
Instrument :
MSVOA_X
ClientSampled :

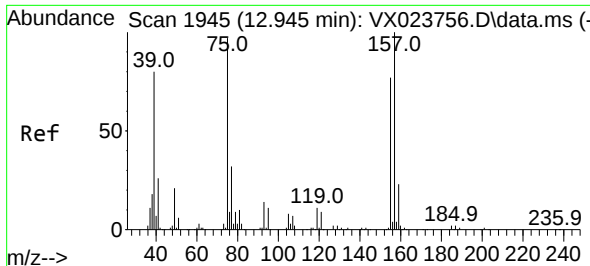
Tgt Ion: 91 Resp: 9902
Ion Ratio Lower Upper
91 100
92 32.2 27.4 82.0
134 95.7 13.2 39.5#



#90
Hexachloroethane
Concen: 2.754 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion: 117 Resp: 1613
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

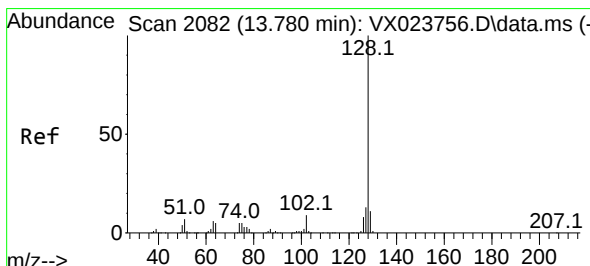
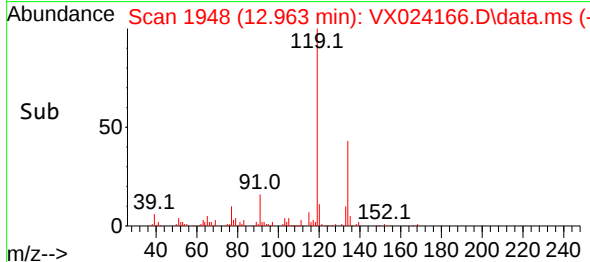
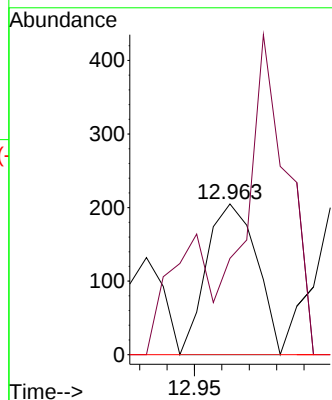
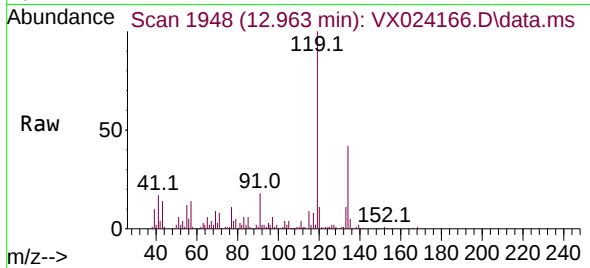




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.551 ug/l
RT: 12.963 min Scan# 1948
Delta R.T. 0.018 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 262
Ion Ratio Lower Upper
75 100
155 64.9 45.3 135.9
157 0.0 57.7 173.1#



#95
Naphthalene
Concen: 2.291 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024166.D
Acq: 10 Sep 2021 15:22

Tgt Ion: 128 Resp: 8323
Ion Ratio Lower Upper
128 100
127 16.9 10.3 15.5#
129 17.3 8.8 13.2#

