

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024406.D
 Acq On : 22 Sep 2021 00:16
 Operator : JC/MD
 Sample : M3818-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 22 04:55:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

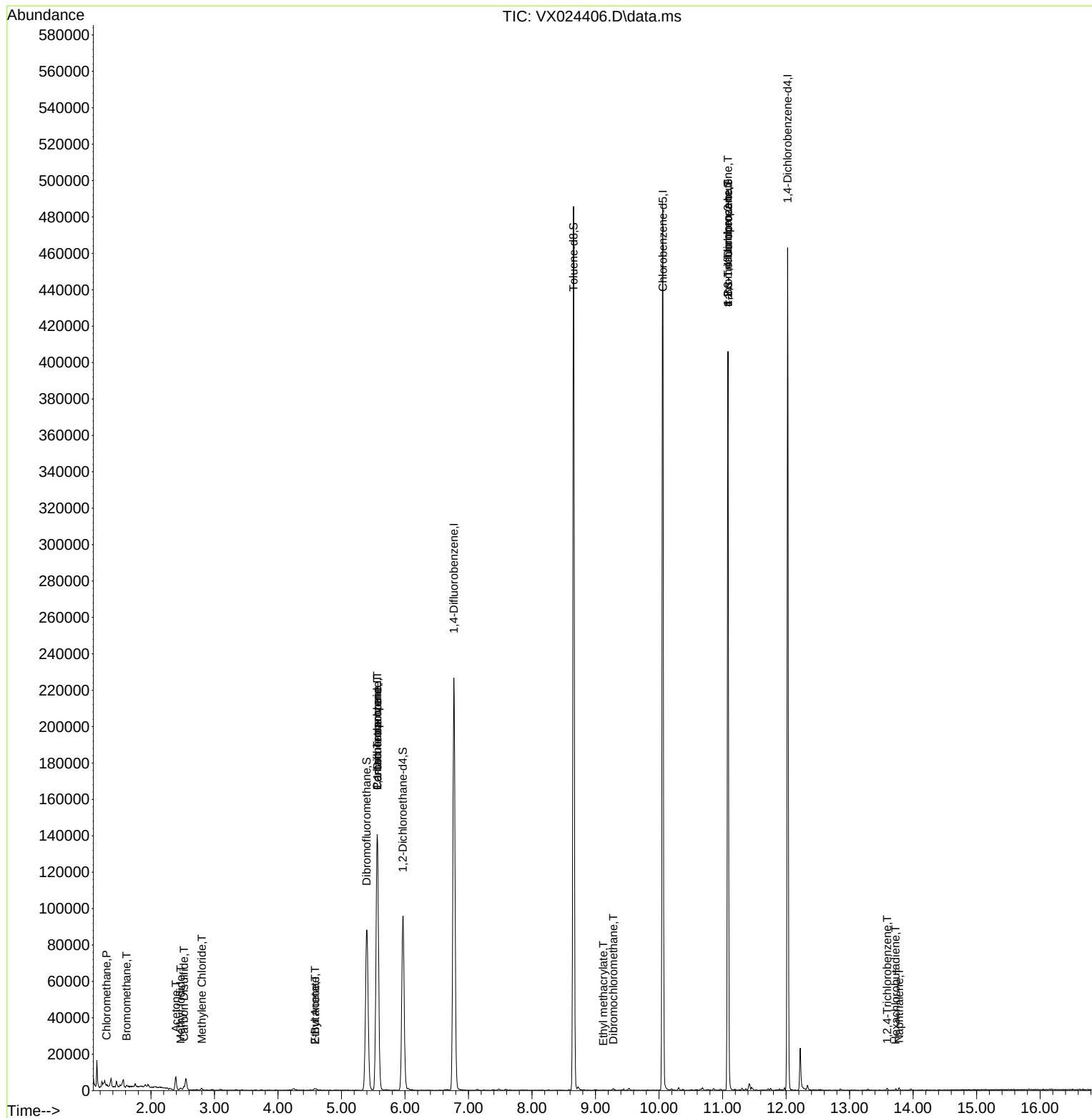
Internal Standards						
1) Pentafluorobenzene	5.562	168	131345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	222962	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	215767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95909	51.208	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.420%	
35) Dibromofluoromethane	5.397	113	76087	50.885	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.760%	
50) Toluene-d8	8.653	98	273588	50.225	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.460%	
62) 4-Bromofluorobenzene	11.085	95	99325	46.854	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	536	0.407	ug/l	93
5) Bromomethane	1.618	94	574	0.735	ug/l	89
10) Methyl Iodide	2.465	142	1483	0.829	ug/l #	93
11) Tert butyl alcohol	2.971	59	265	Below Cal	#	73
16) Acetone	2.392	43	7629	9.553	ug/l #	84
17) Carbon Disulfide	2.520	76	2224	0.733	ug/l	97
20) Methylene Chloride	2.800	84	566	0.369	ug/l #	91
25) 2-Butanone	4.587	43	1795	1.526	ug/l #	78
36) 1,1-Dichloropropene	5.562	75	10561	5.152	ug/l #	49
37) Ethyl Acetate	4.587	43	1795	0.751	ug/l #	64
38) Carbon Tetrachloride	5.562	117	13311	5.769	ug/l #	16
56) Ethyl methacrylate	9.122	69	66	1.386	ug/l #	11
60) Dibromochloromethane	9.281	129	133	1.795	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	53713	25.791	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	53713	75.852	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	366	0.209	ug/l #	85
94) Hexachlorobutadiene	13.725	225	267	0.305	ug/l	83
95) Naphthalene	13.780	128	1085	1.450	ug/l #	90

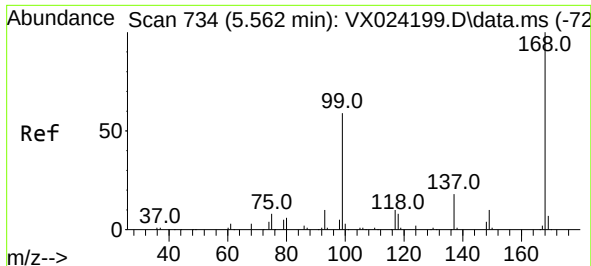
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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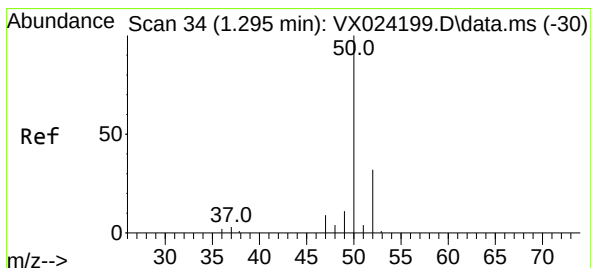
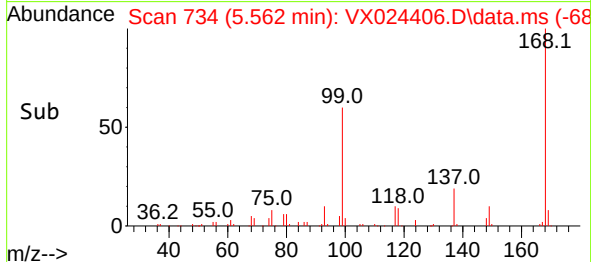
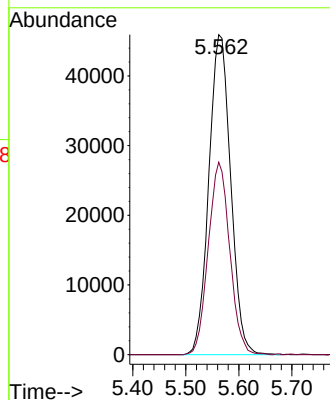
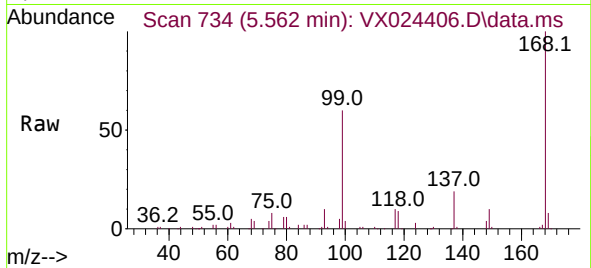




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

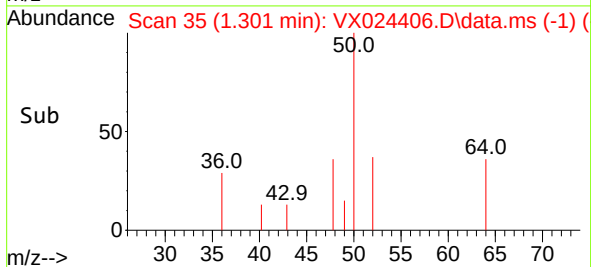
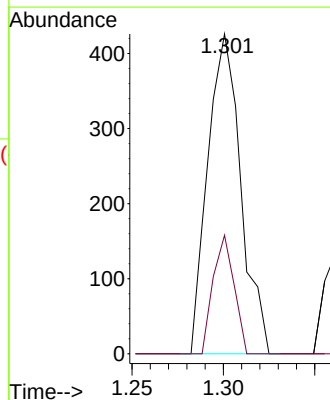
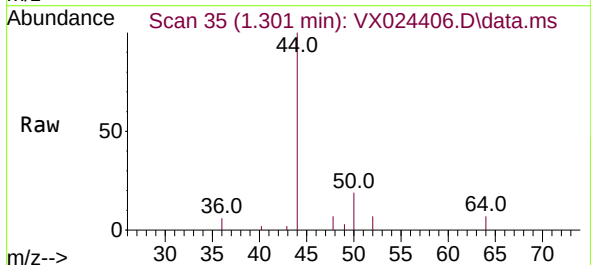
Instrument :
MSVOA_N
ClientSampled :

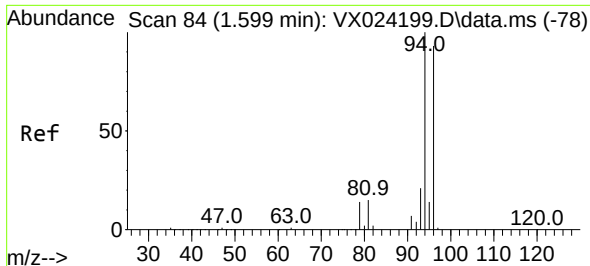
Tgt Ion:168 Resp: 131345
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.6



#3
Chloromethane
Concen: 0.407 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Tgt Ion: 50 Resp: 536
Ion Ratio Lower Upper
50 100
52 37.1 26.4 39.6

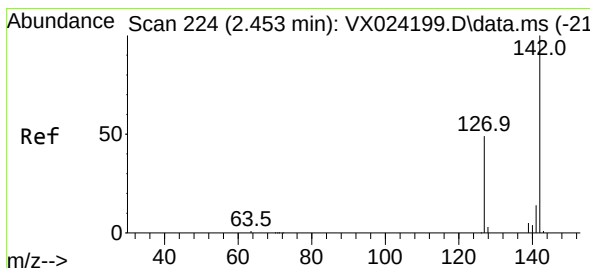
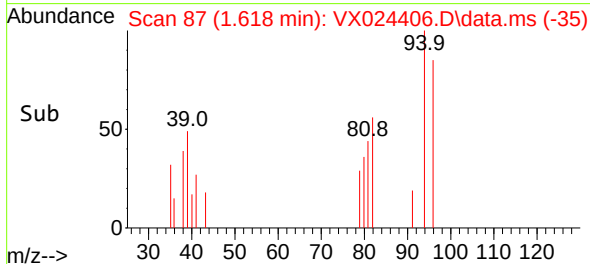
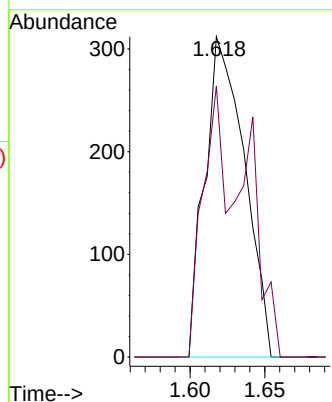
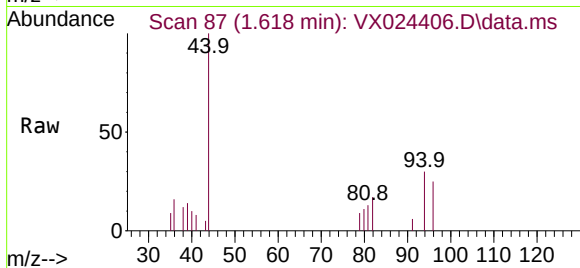




#5
Bromomethane
Concen: 0.735 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

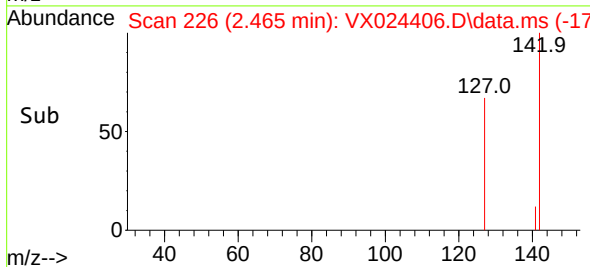
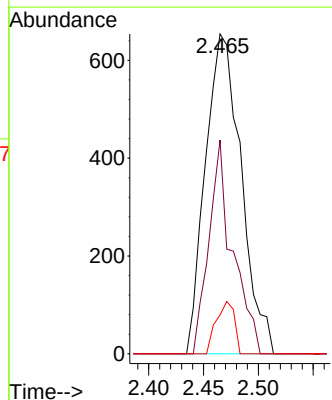
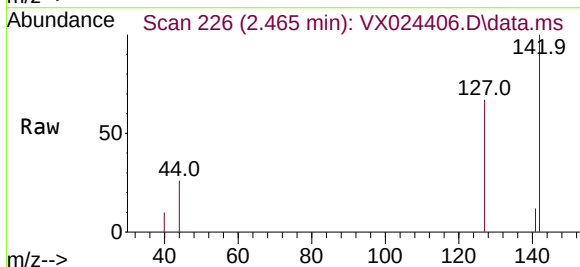
Instrument :
MSVOA_N
ClientSampled :

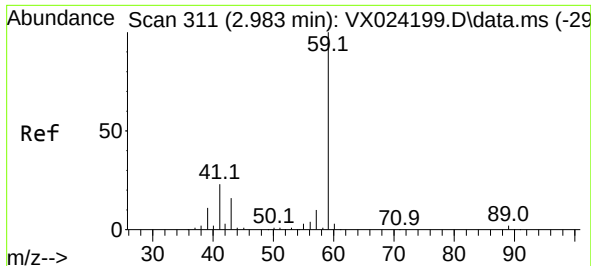
Tgt Ion: 94 Resp: 574
Ion Ratio Lower Upper
94 100
96 84.6 76.4 114.6



#10
Methyl Iodide
Concen: 0.829 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Tgt Ion: 142 Resp: 1483
Ion Ratio Lower Upper
142 100
127 44.3 33.3 49.9
141 8.3 11.4 17.0#

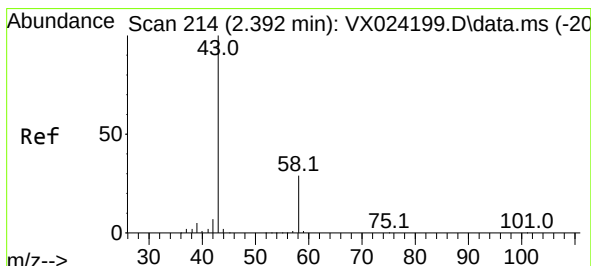
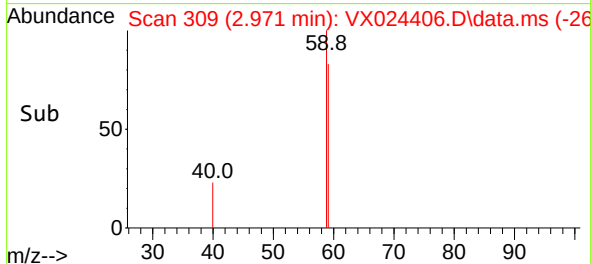
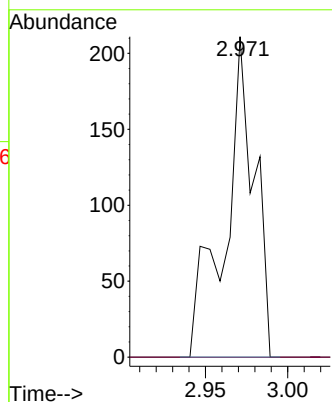
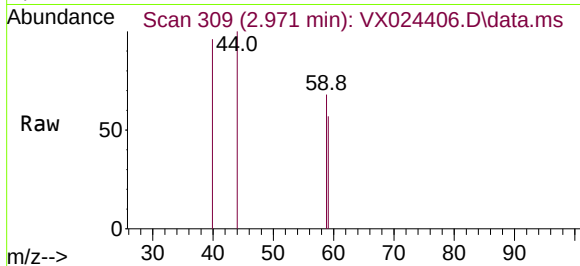




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

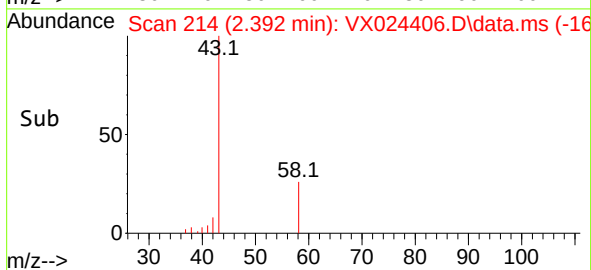
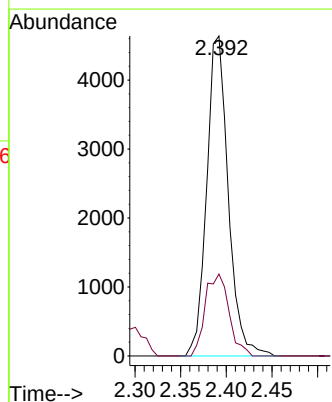
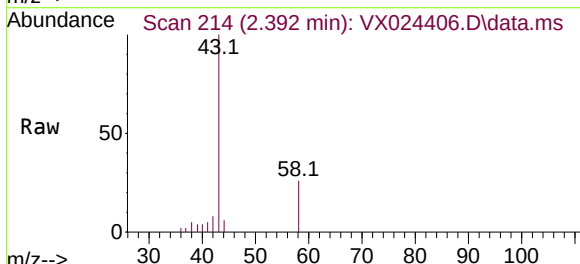
Instrument :
MSVOA_N
ClientSampled :

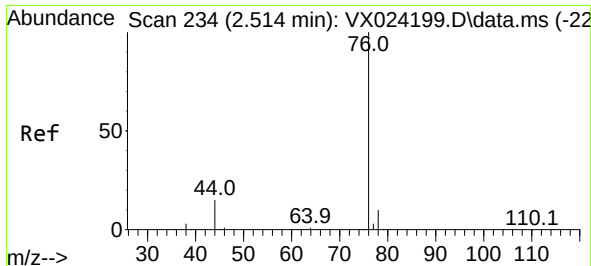
Tgt Ion: 59 Resp: 265
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 9.553 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Tgt Ion: 43 Resp: 7629
Ion Ratio Lower Upper
43 100
58 25.6 27.8 41.8#

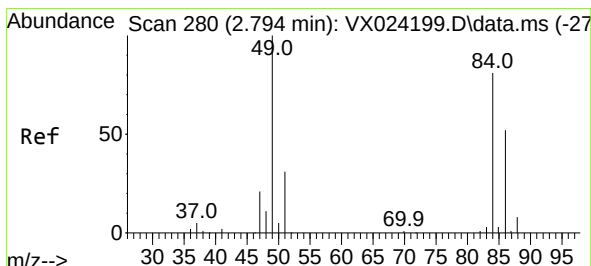
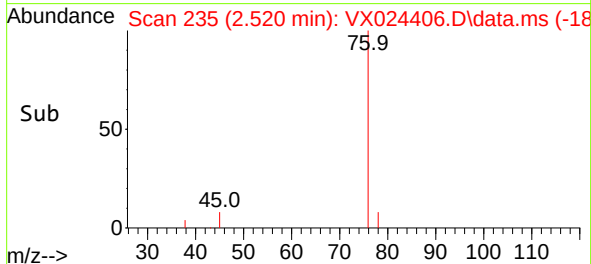
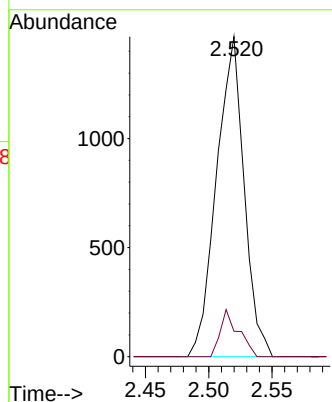
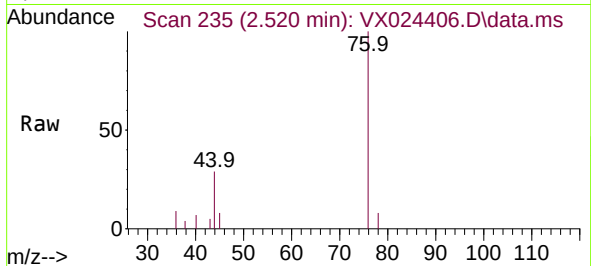




#17
Carbon Disulfide
Concen: 0.733 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

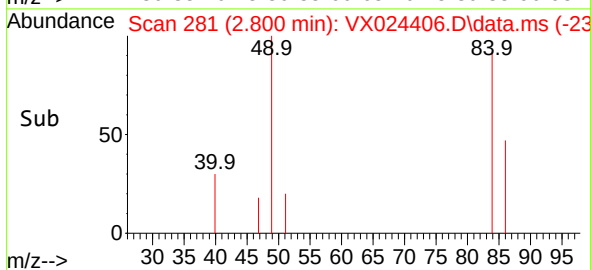
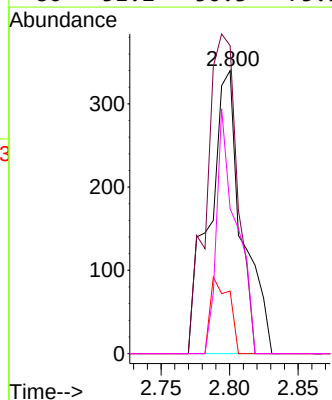
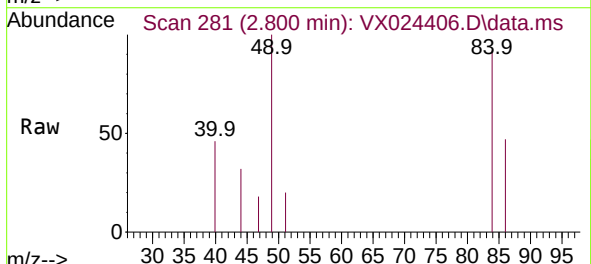
Instrument :
MSVOA_N
ClientSampled :

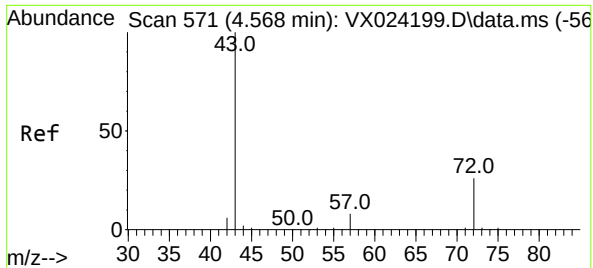
Tgt Ion: 76 Resp: 2224
Ion Ratio Lower Upper
76 100
78 8.0 7.2 10.8



#20
Methylene Chloride
Concen: 0.369 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Tgt Ion: 84 Resp: 566
Ion Ratio Lower Upper
84 100
49 108.8 88.6 132.8
51 22.1 27.0 40.6#
86 51.2 50.3 75.5

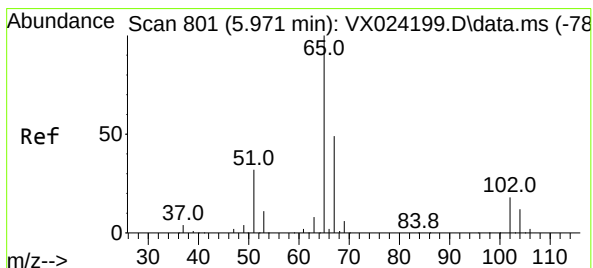
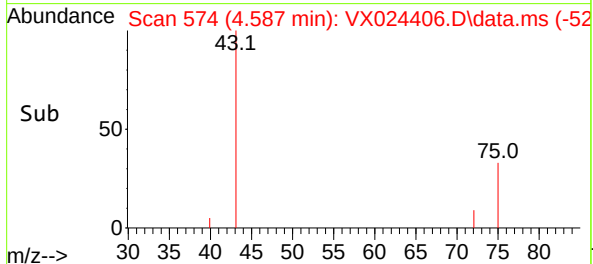
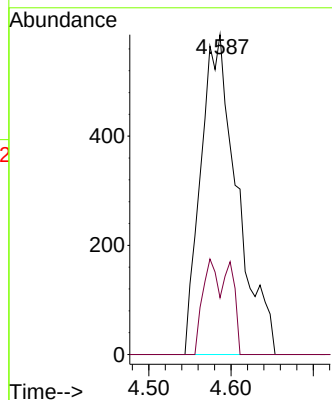
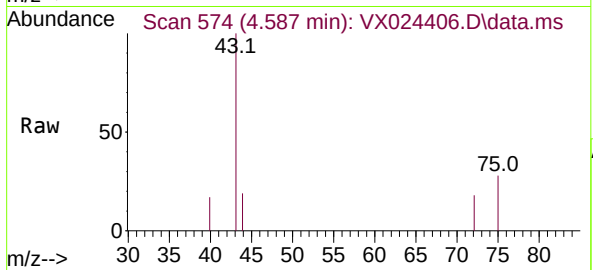




#25
2-Butanone
Concen: 1.526 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

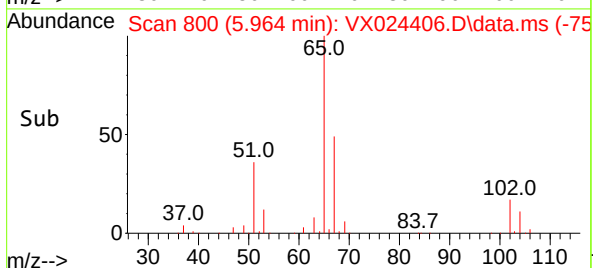
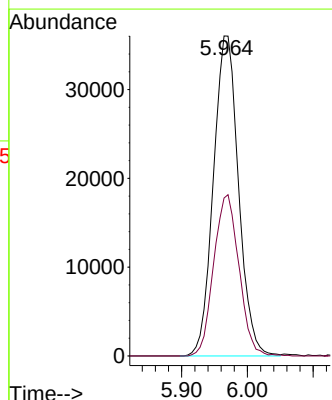
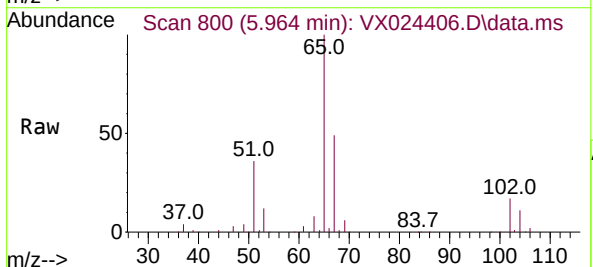
Instrument :
MSVOA_N
ClientSampled :

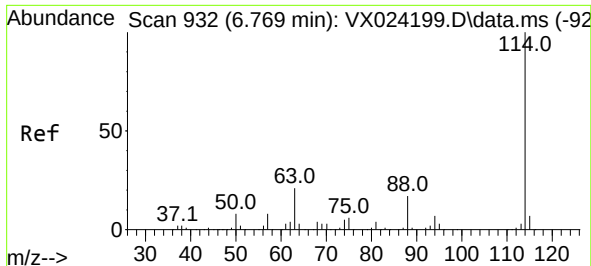
Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
72 17.7 23.7 35.5#



#33
1,2-Dichloroethane-d4
Concen: 51.208 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Tgt Ion: 65 Resp: 95909
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

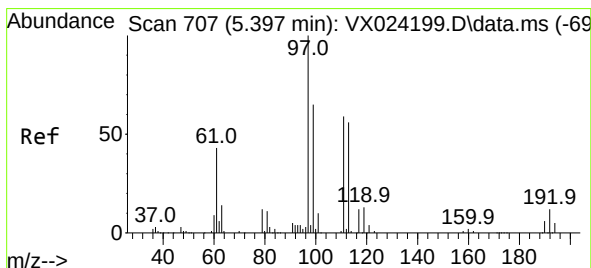
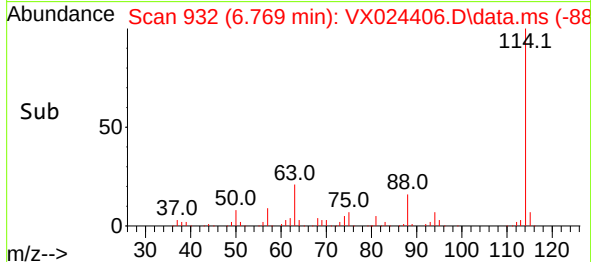
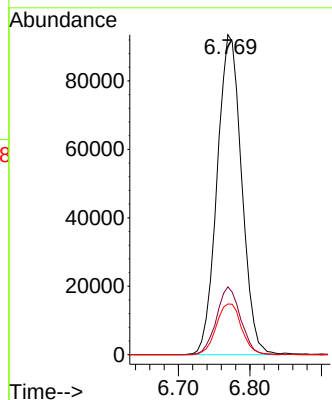
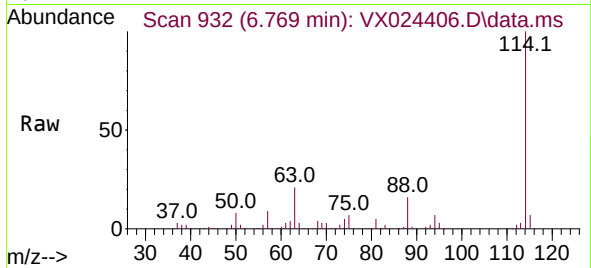




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

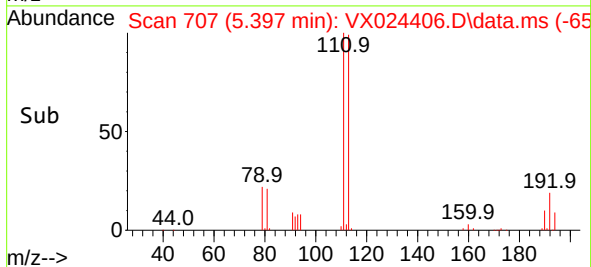
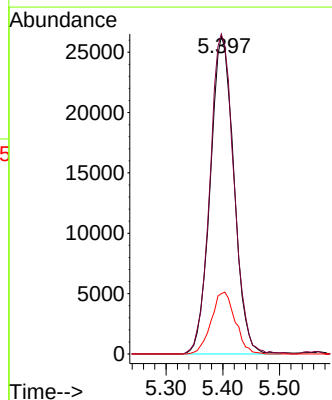
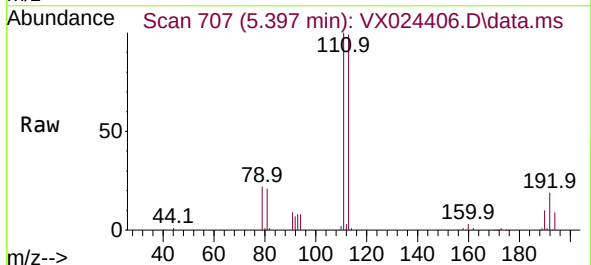
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MSVOA_N
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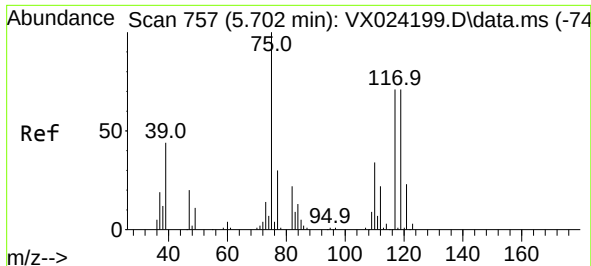
Tgt Ion:114 Resp: 222962
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.885 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

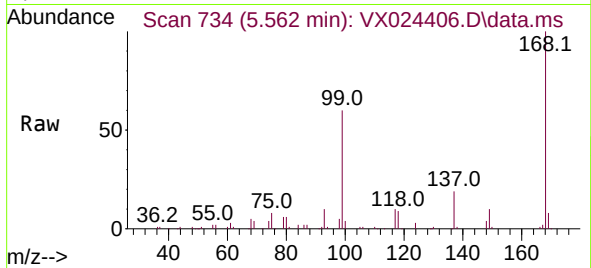
Tgt Ion:113 Resp: 76087
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.7 16.7 25.1



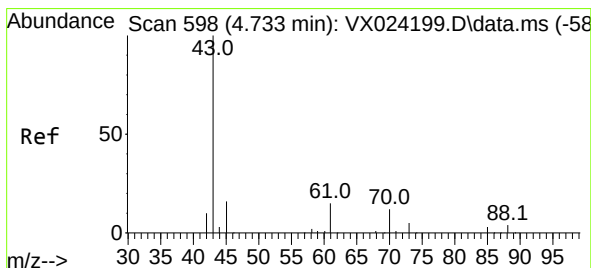
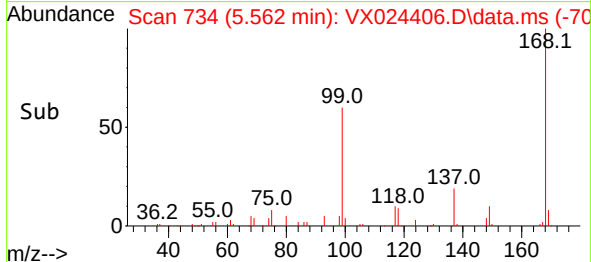
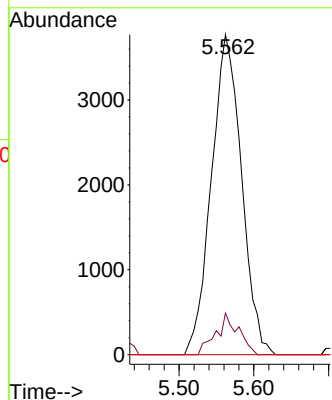


#36
1,1-Dichloropropene
Concen: 5.152 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Instrument :
MSVOA_N
ClientSampled :

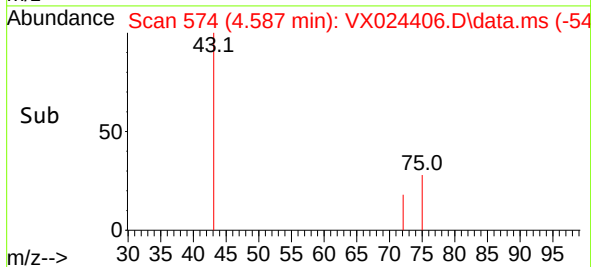
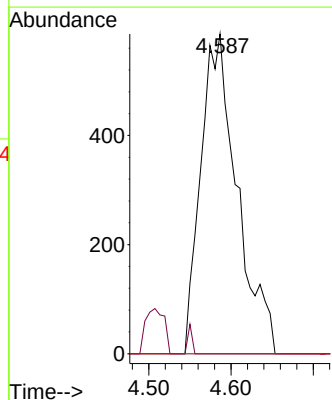
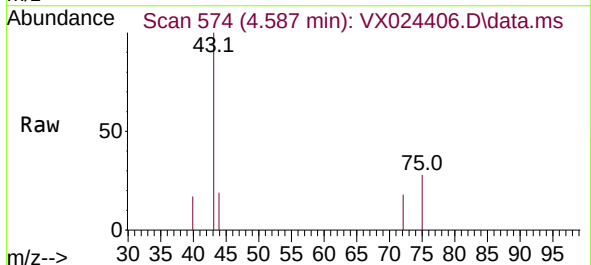


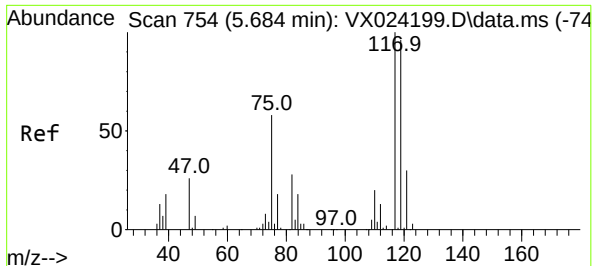
Tgt Ion: 75 Resp: 10561
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.751 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.146 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

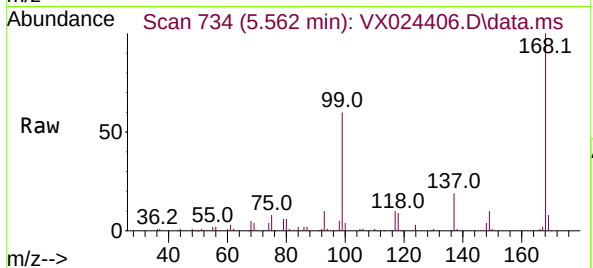
Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



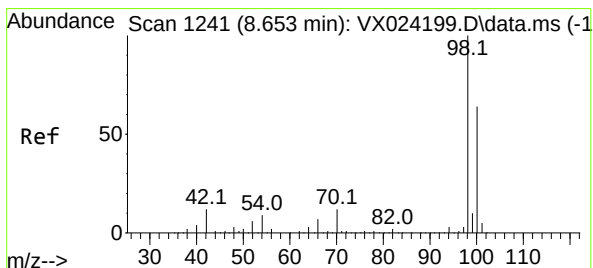
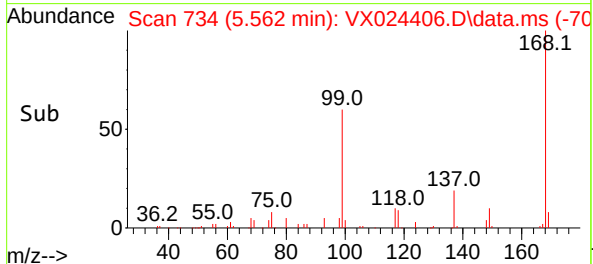
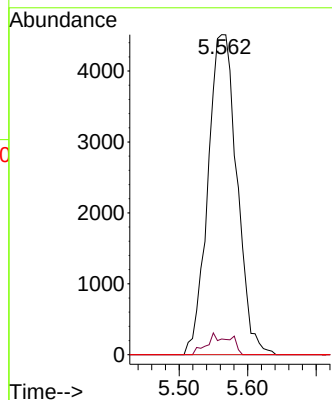


#38
Carbon Tetrachloride
Concen: 5.769 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Instrument :
MSVOA_N
ClientSampled :

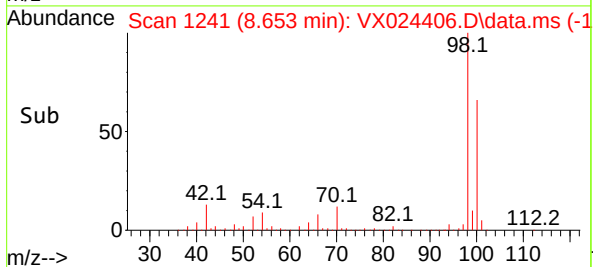
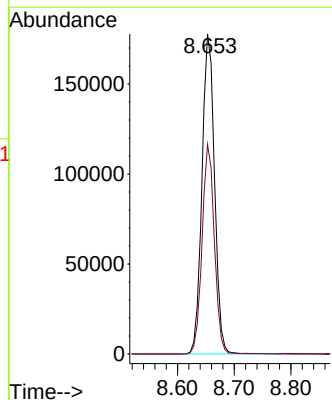
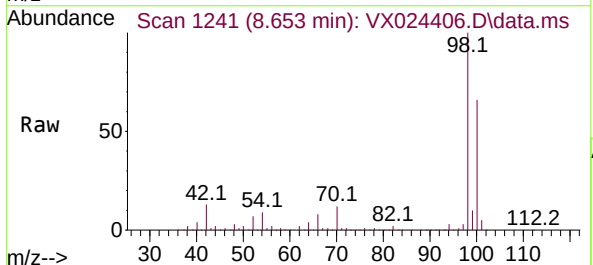


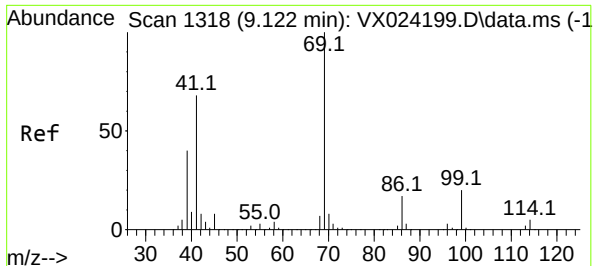
Tgt Ion:117 Resp: 13311
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.225 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Tgt Ion: 98 Resp: 273588
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

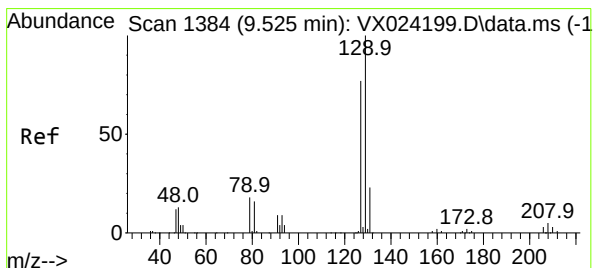
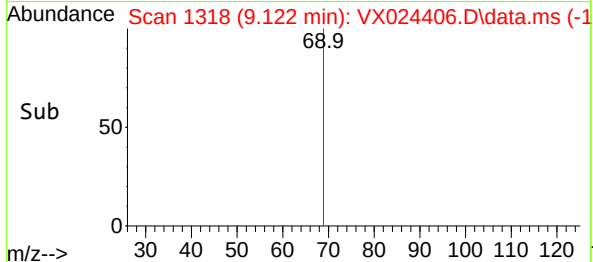
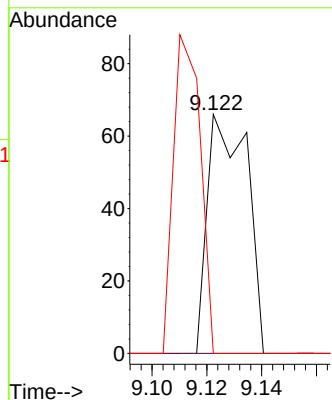
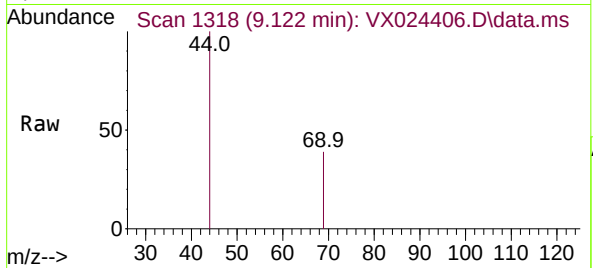




#56
Ethyl methacrylate
Concen: 1.386 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

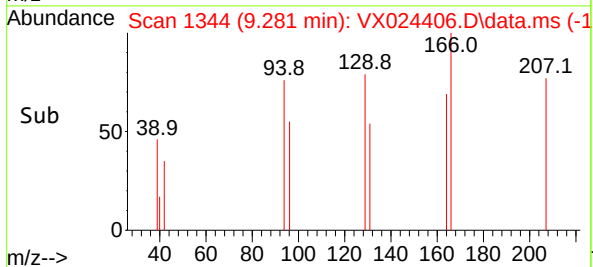
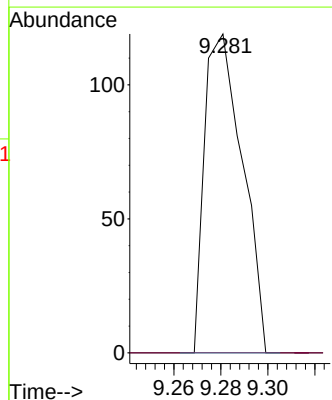
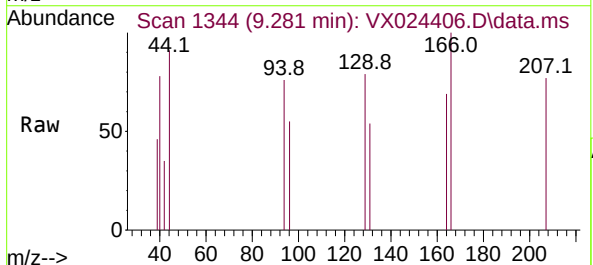
Instrument :
MSVOA_N
ClientSampled :

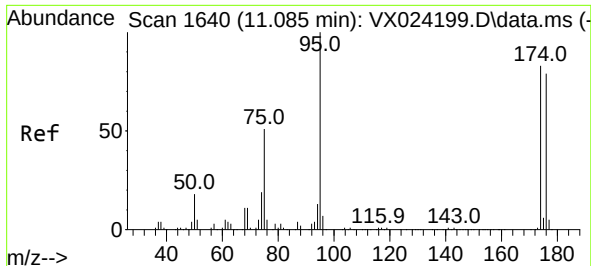
Tgt Ion: 69 Resp: 66
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 90.9 24.7 37.1#



#60
Dibromochloromethane
Concen: 1.795 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Tgt Ion: 129 Resp: 133
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

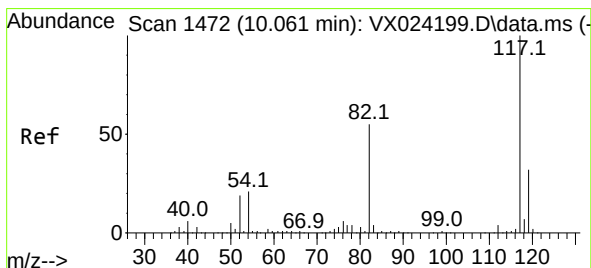
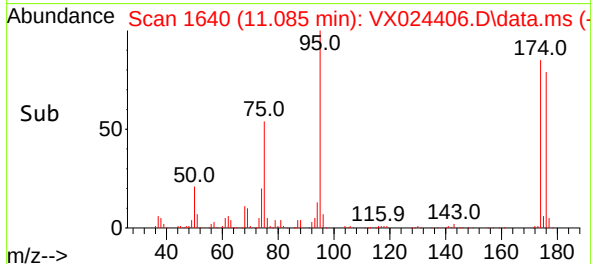
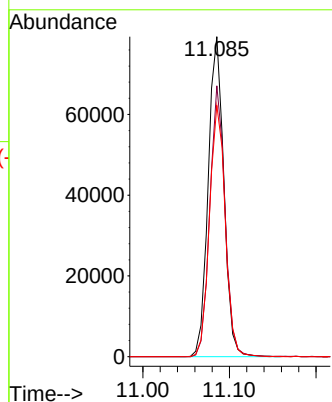
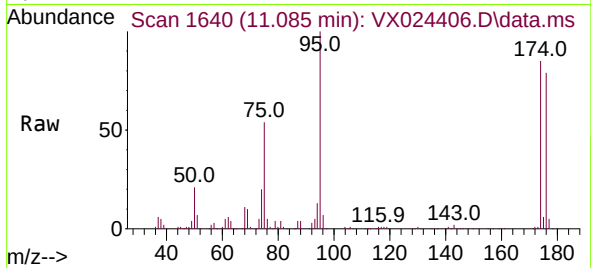




#62
4-Bromofluorobenzene
Concen: 46.854 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

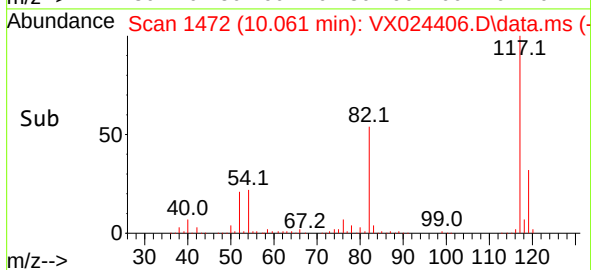
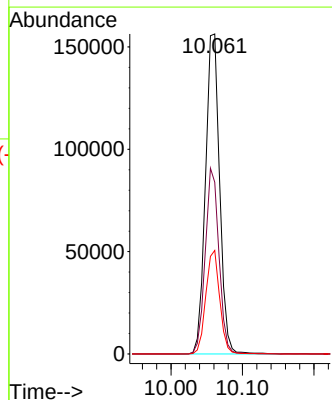
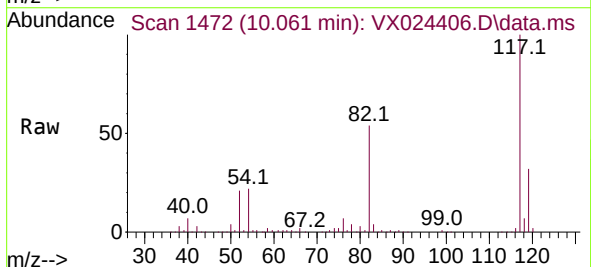
Instrument :
MSVOA_N
ClientSampled :

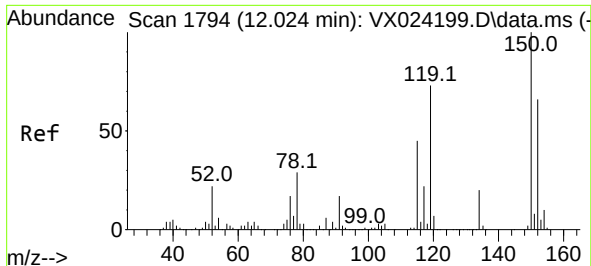
Tgt Ion: 95 Resp: 99325
Ion Ratio Lower Upper
95 100
174 82.1 0.0 154.6
176 79.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Tgt Ion: 117 Resp: 215767
Ion Ratio Lower Upper
117 100
82 53.6 47.4 71.2
119 32.4 26.6 39.8

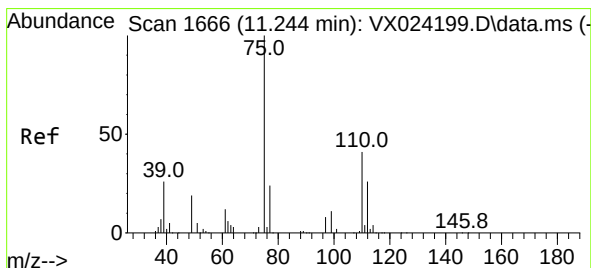
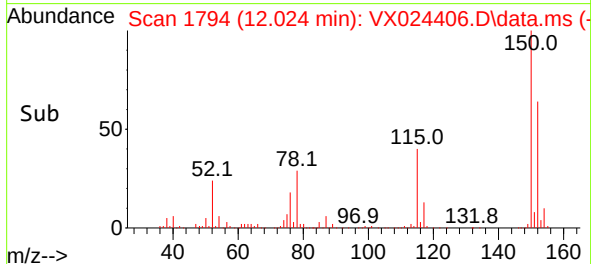
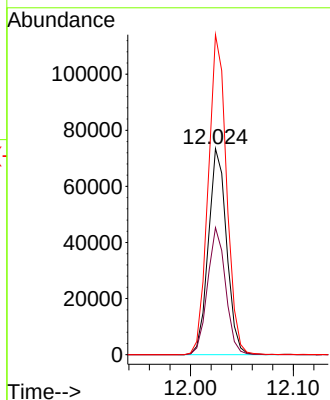
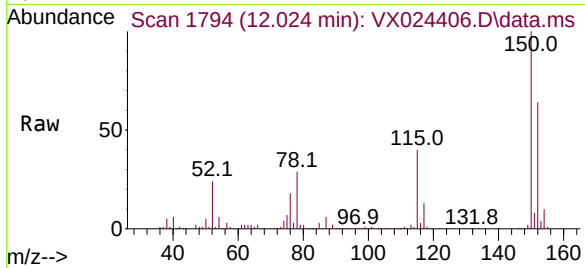




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024406.D
 Acq: 22 Sep 2021 00:16

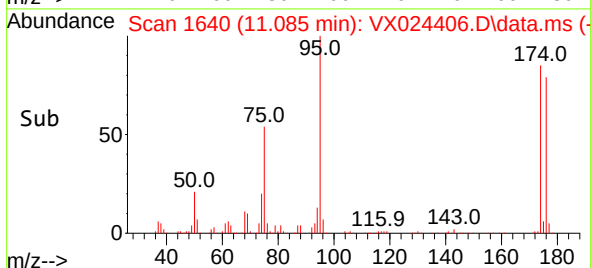
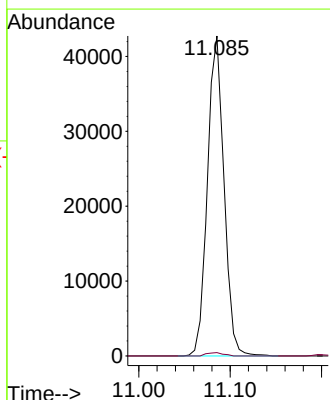
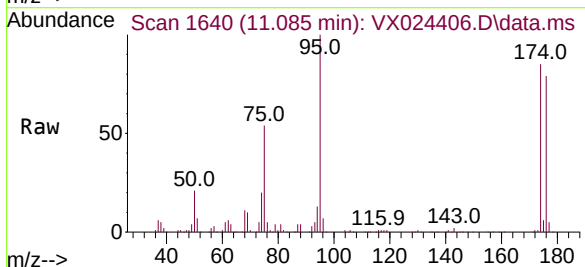
Instrument :
 MSVOA_N
 ClientSampled :

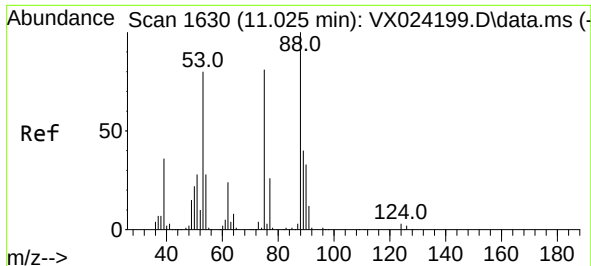
Tgt Ion:152 Resp: 90572
 Ion Ratio Lower Upper
 152 100
 115 61.0 41.1 123.3
 150 156.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.791 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024406.D
 Acq: 22 Sep 2021 00:16

Tgt Ion: 75 Resp: 53713
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

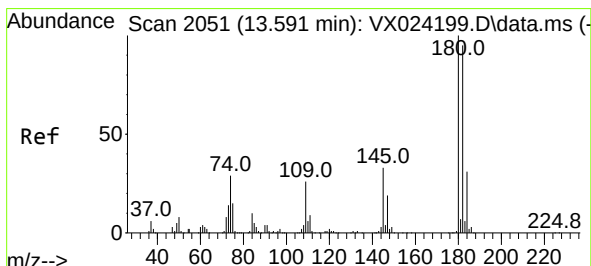
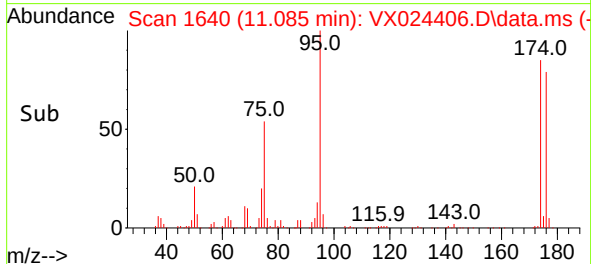
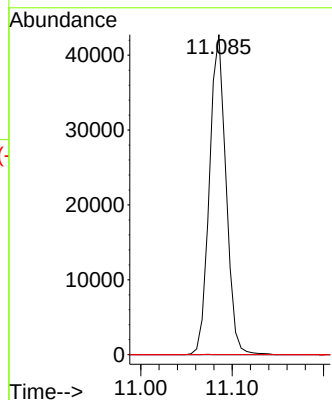
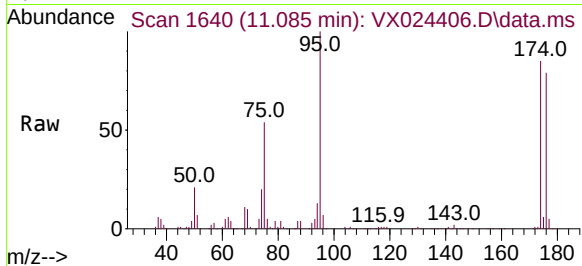




#81
trans-1,4-Dichloro-2-butene
Concen: 75.852 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

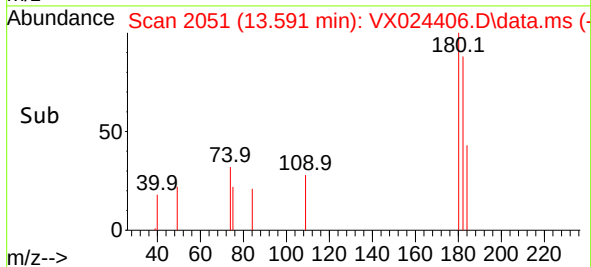
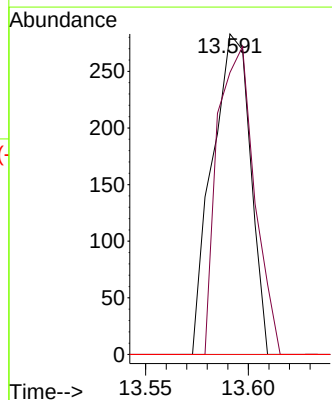
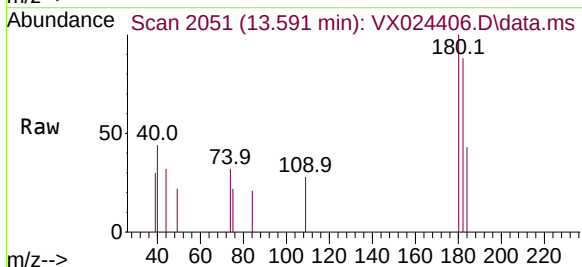
Instrument :
MSVOA_N
ClientSampled :

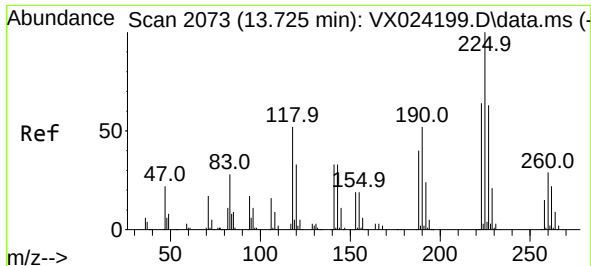
Tgt Ion: 75 Resp: 53713
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.209 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Tgt Ion: 180 Resp: 366
Ion Ratio Lower Upper
180 100
182 92.9 47.7 143.1
145 0.0 15.0 45.0#

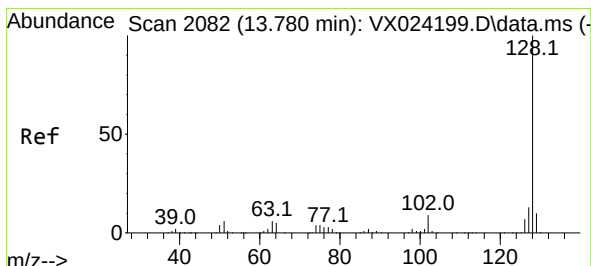
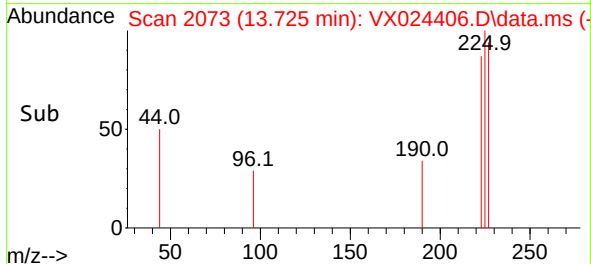
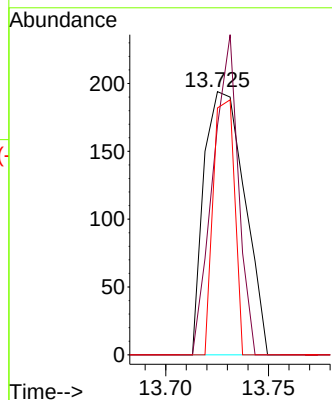
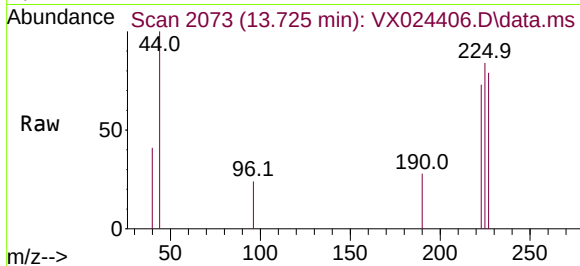




#94
Hexachlorobutadiene
Concen: 0.305 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:225 Resp: 267
Ion Ratio Lower Upper
225 100
223 75.7 31.1 93.2
227 50.6 31.6 95.0



#95
Naphthalene
Concen: 1.450 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024406.D
Acq: 22 Sep 2021 00:16

Tgt Ion:128 Resp: 1085
Ion Ratio Lower Upper
128 100
127 6.5 10.3 15.5#
129 9.8 8.8 13.2

