

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024403.D
 Acq On : 21 Sep 2021 23:06
 Operator : JC/MD
 Sample : VX0921WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 22 04:54:07 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)

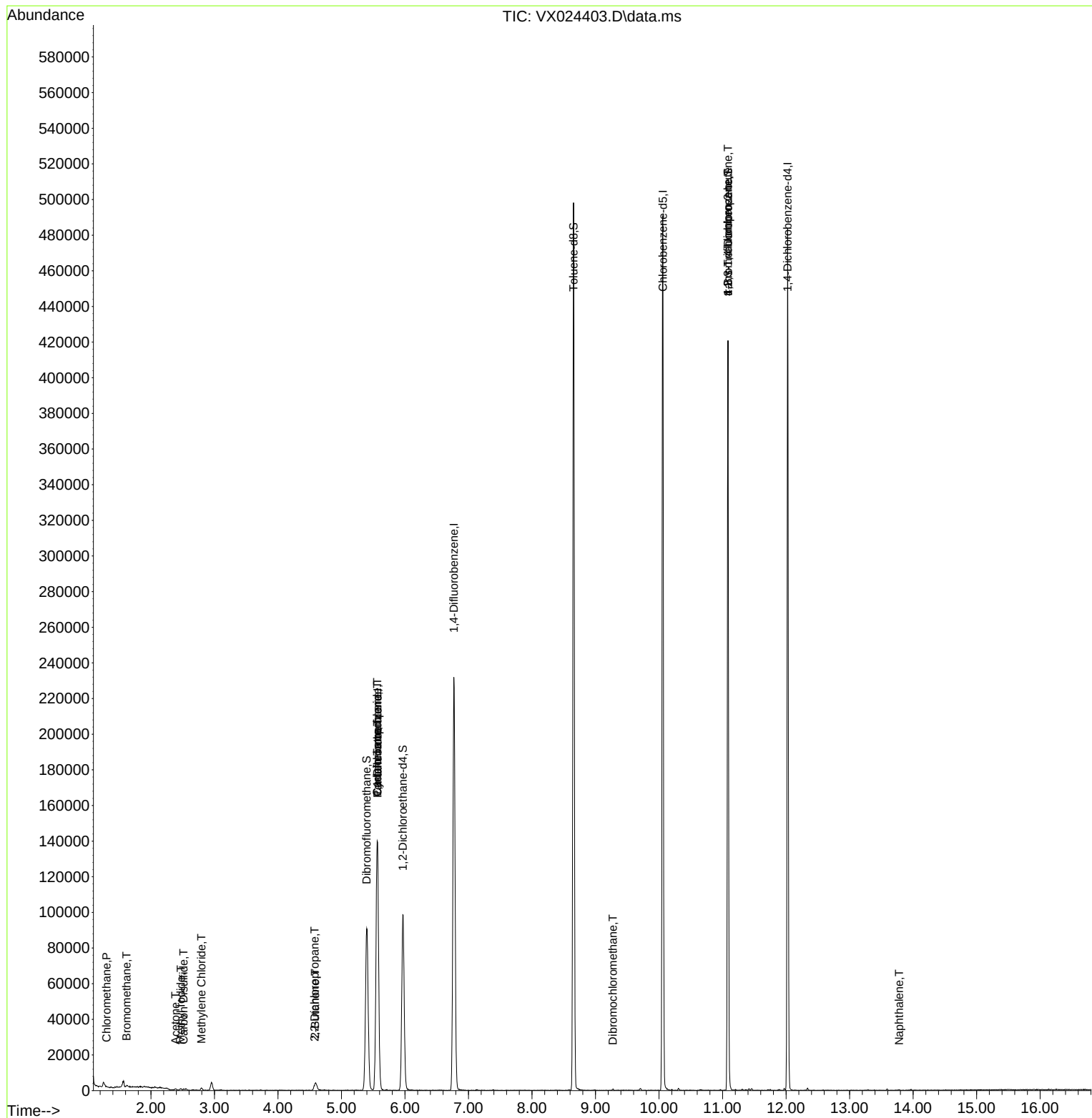
Internal Standards						
1) Pentafluorobenzene	5.568	168	133806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	222251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100020	52.420	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.840%			
35) Dibromofluoromethane	5.397	113	78093	50.796	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	8.653	98	281691	50.296	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.600%			
62) 4-Bromofluorobenzene	11.085	95	102320	46.945	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.880%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	282	0.210	ug/l #	86
5) Bromomethane	1.618	94	657	0.826	ug/l #	79
10) Methyl Iodide	2.471	142	1105	0.606	ug/l #	83
11) Tert butyl alcohol	2.953	59	2555	Below Cal	#	76
16) Acetone	2.386	43	904	1.111	ug/l #	63
17) Carbon Disulfide	2.514	76	826	0.267	ug/l #	75
20) Methylene Chloride	2.794	84	643	0.412	ug/l #	78
25) 2-Butanone	4.587	43	356	0.297	ug/l #	45
26) 2,2-Dichloropropane	4.574	77	502	0.222	ug/l #	52
31) Cyclohexane	5.562	56	3188	1.428	ug/l #	27
36) 1,1-Dichloropropene	5.562	75	10787	5.118	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13946	5.879	ug/l #	17
60) Dibromochloromethane	9.275	129	140	1.797	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	57240	26.159	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57240	76.935	ug/l #	12
95) Naphthalene	13.780	128	418	1.347	ug/l #	69

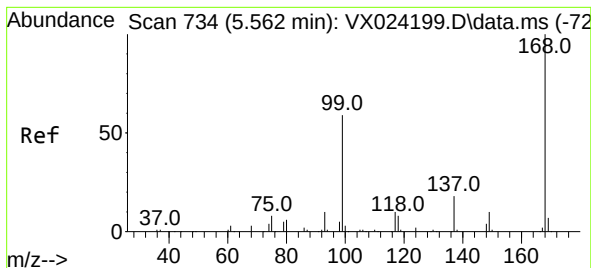
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.006 min

Lab File: VX024403.D

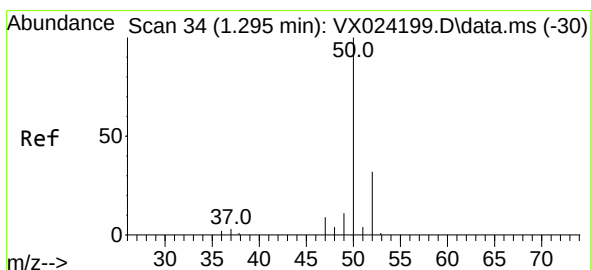
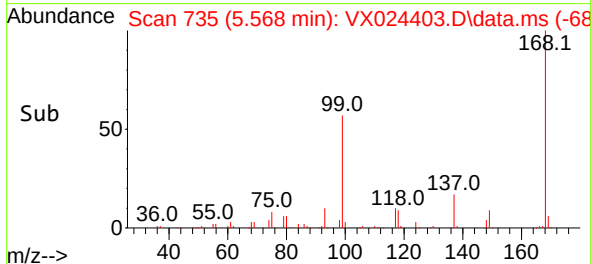
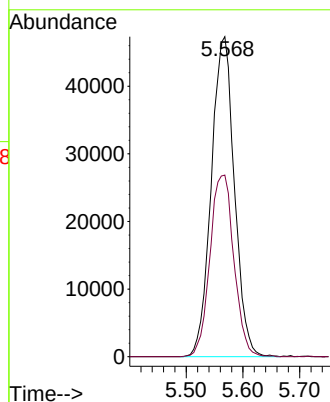
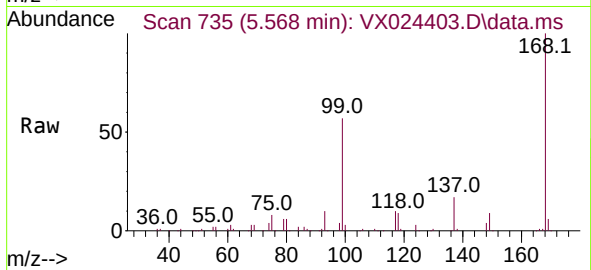
Acq: 21 Sep 2021 23:06

Tgt Ion:168 Resp: 133806

Ion Ratio Lower Upper

168 100

99 56.7 45.8 68.6



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.006 min

Lab File: VX024403.D

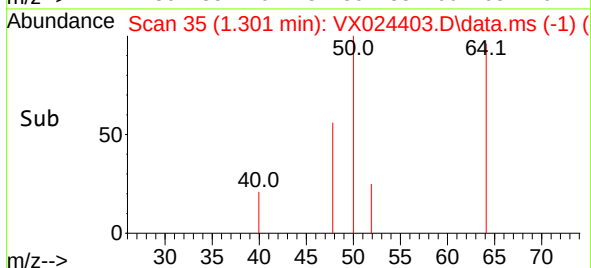
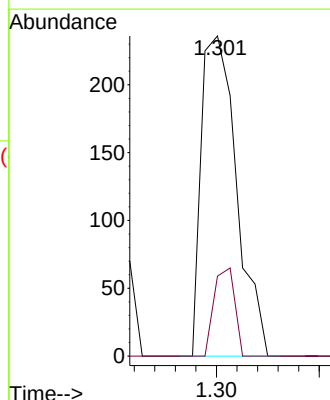
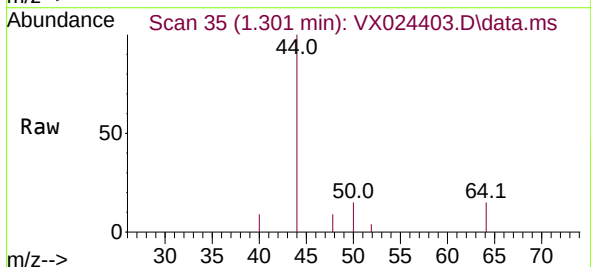
Acq: 21 Sep 2021 23:06

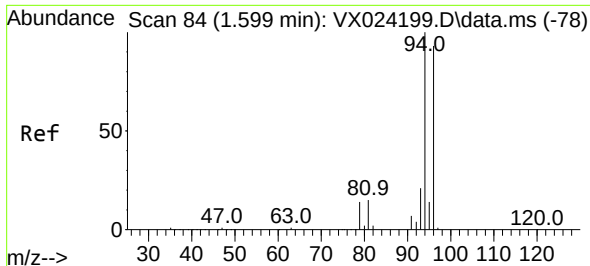
Tgt Ion: 50 Resp: 282

Ion Ratio Lower Upper

50 100

52 25.0 26.4 39.6#

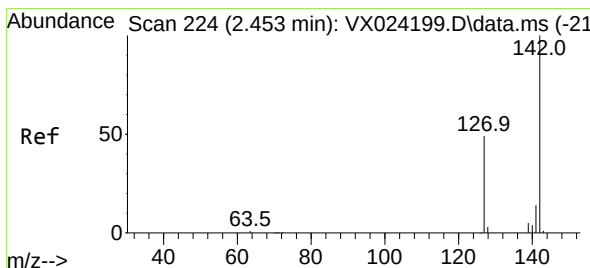
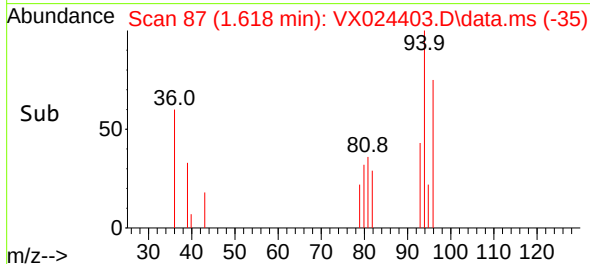
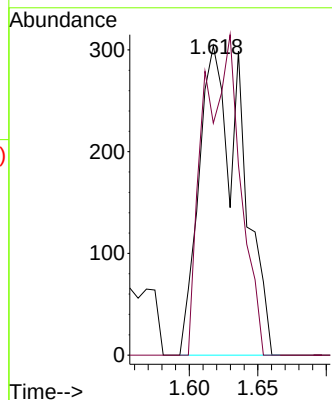
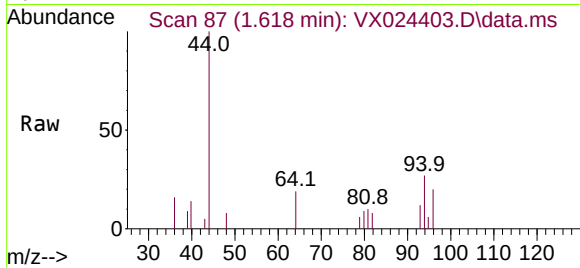




#5
Bromomethane
Concen: 0.826 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

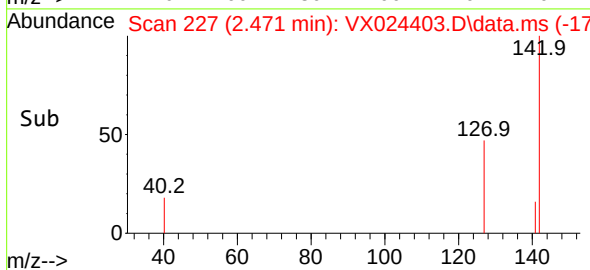
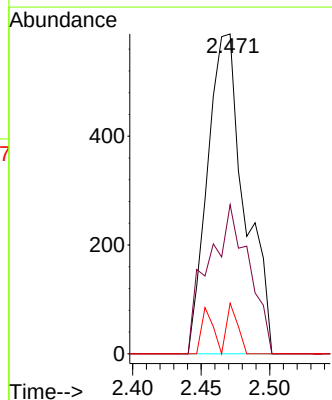
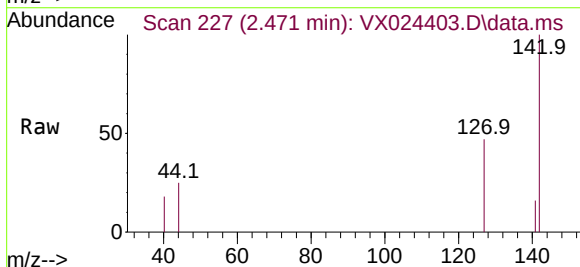
Instrument :
MSVOA_N
ClientSampled :

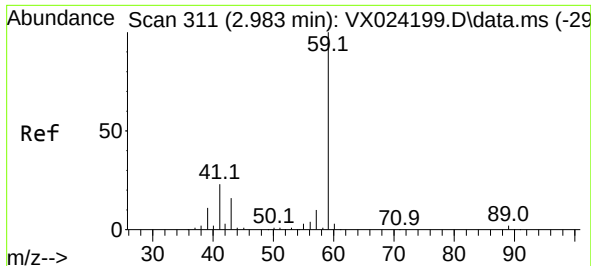
Tgt Ion: 94 Resp: 657
Ion Ratio Lower Upper
94 100
96 75.0 76.4 114.6#



#10
Methyl Iodide
Concen: 0.606 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion: 142 Resp: 1105
Ion Ratio Lower Upper
142 100
127 51.1 33.3 49.9#
141 4.7 11.4 17.0#



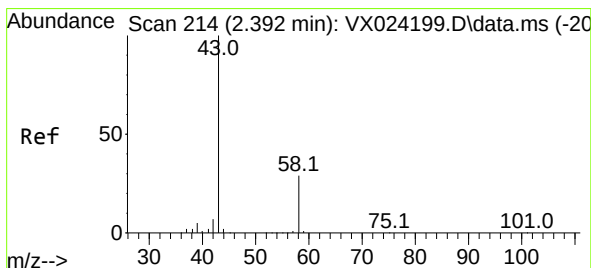
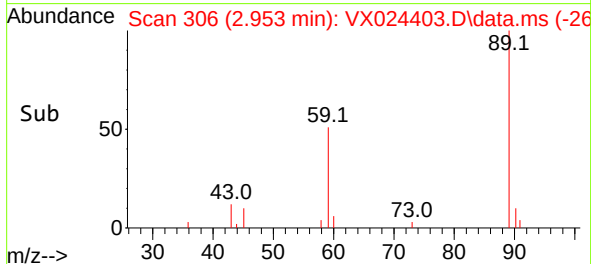
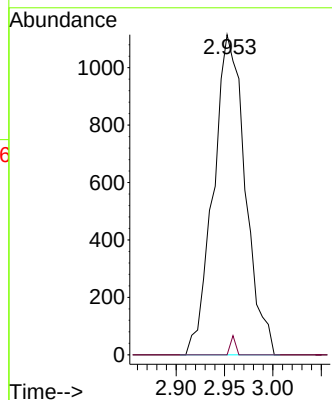
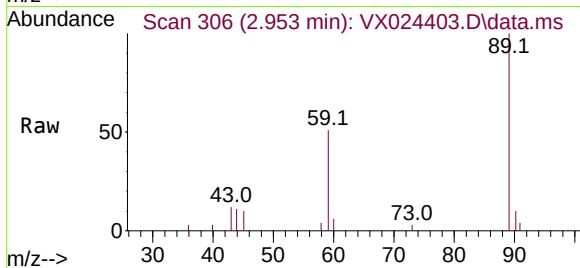


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Instrument :
MSVOA_N
ClientSampled :

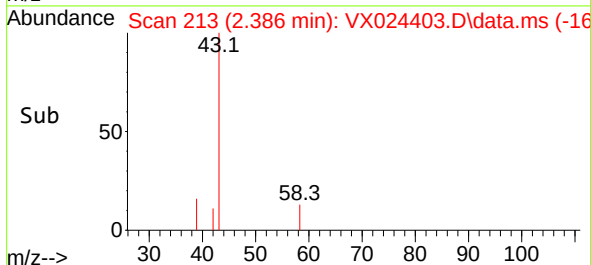
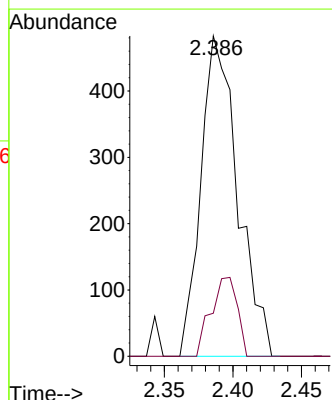
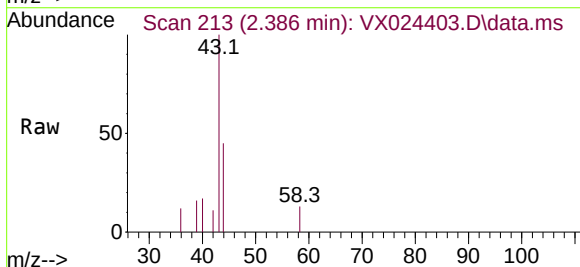
Tgt Ion: 59 Resp: 2555
Ion Ratio Lower Upper
59 100
57 1.0 7.8 11.8#

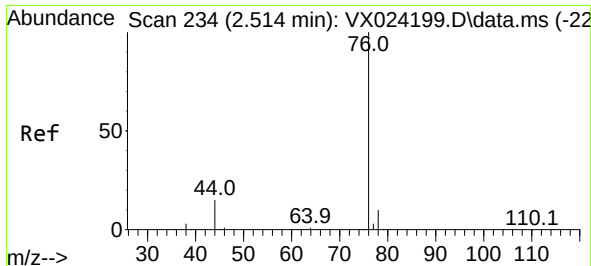


#16

Acetone
Concen: 1.111 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
58 13.5 27.8 41.8#

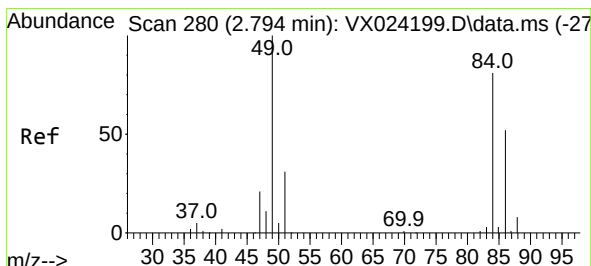
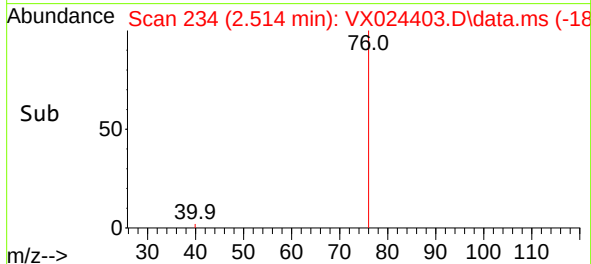
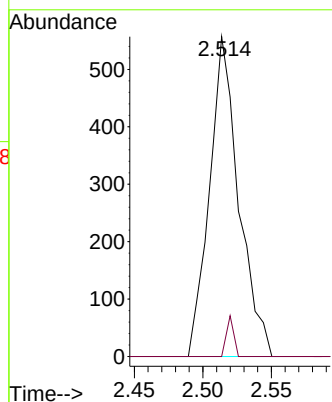
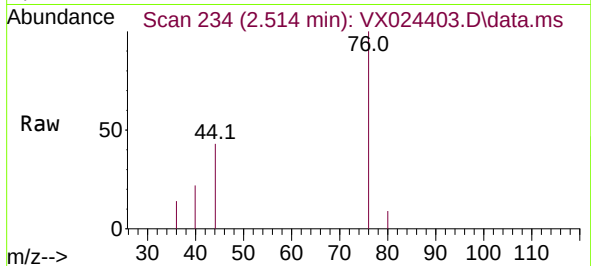




#17
Carbon Disulfide
Concen: 0.267 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

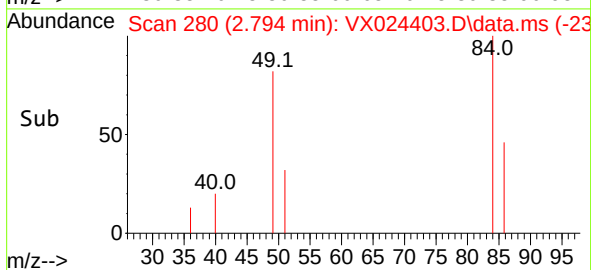
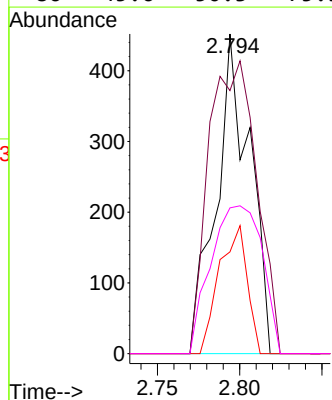
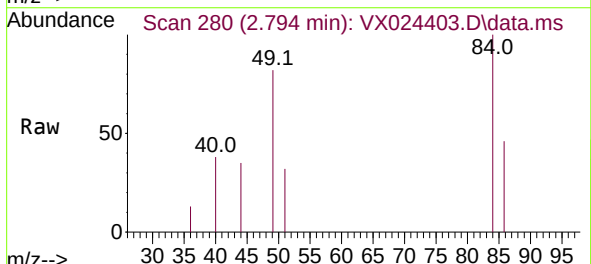
Instrument :
MSVOA_N
ClientSampled :

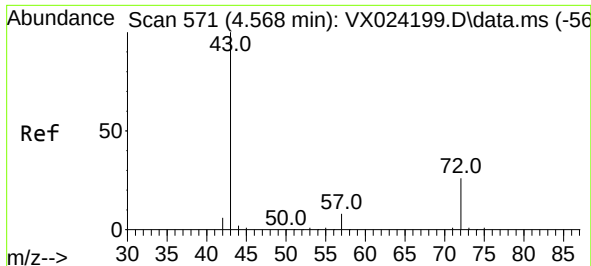
Tgt Ion: 76 Resp: 826
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.412 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion: 84 Resp: 643
Ion Ratio Lower Upper
84 100
49 82.3 88.6 132.8#
51 31.9 27.0 40.6
86 45.6 50.3 75.5#

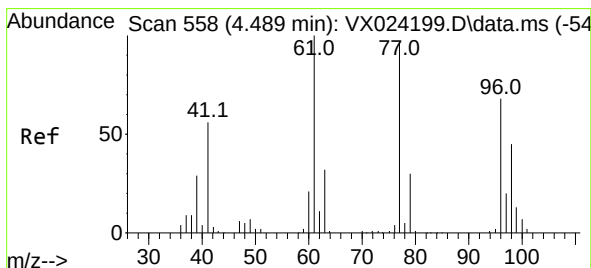
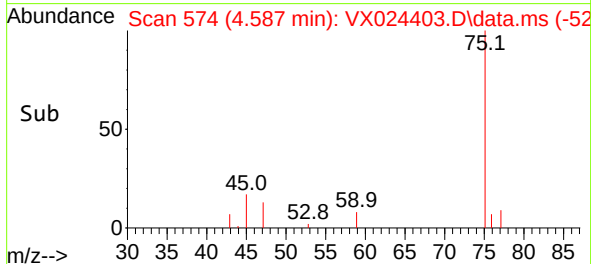
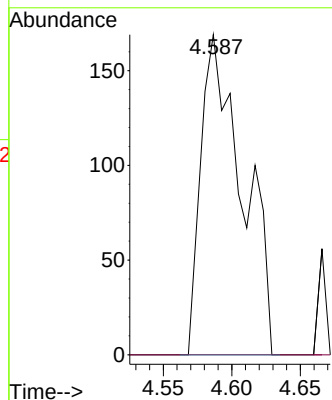
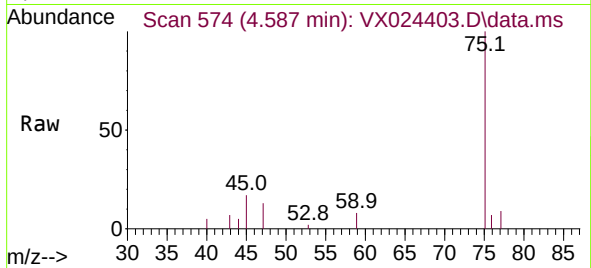




#25
2-Butanone
Concen: 0.297 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

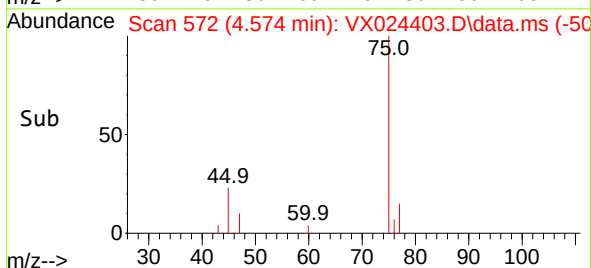
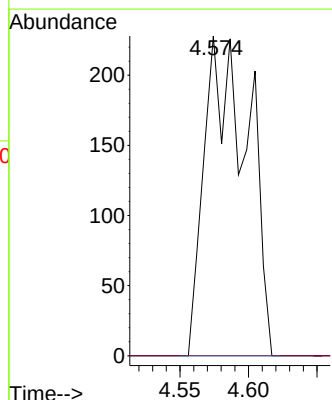
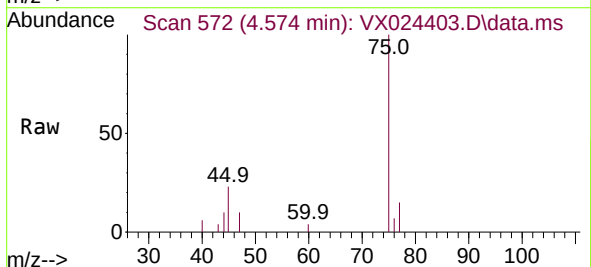
Instrument :
MSVOA_N
ClientSampled :

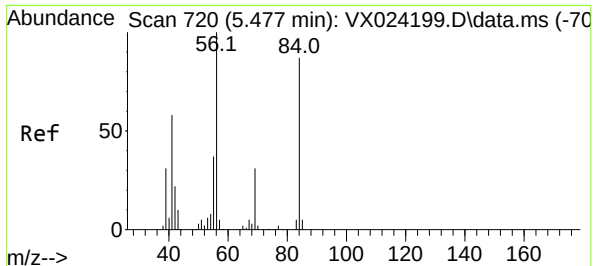
Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.222 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.085 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion: 77 Resp: 502
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#

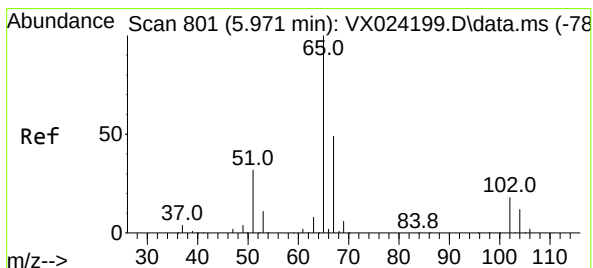
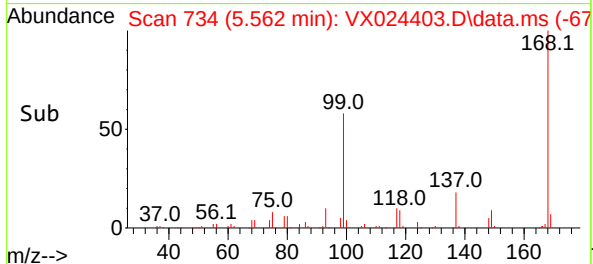
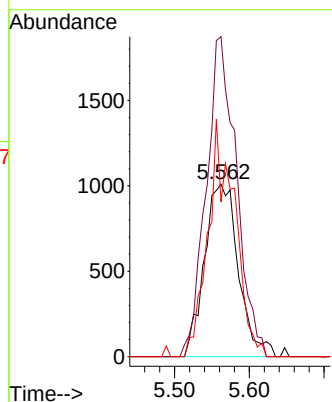
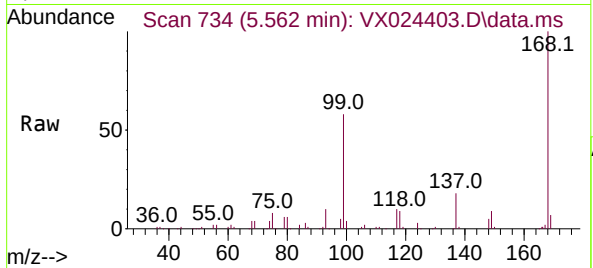




#31
Cyclohexane
Concen: 1.428 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

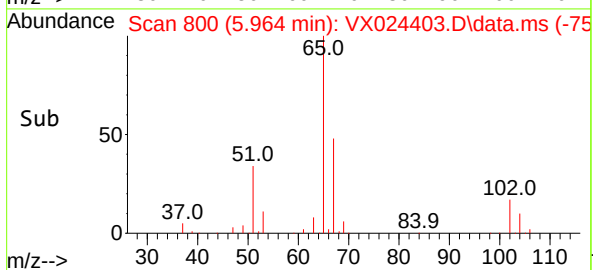
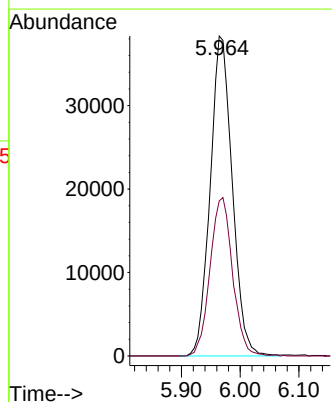
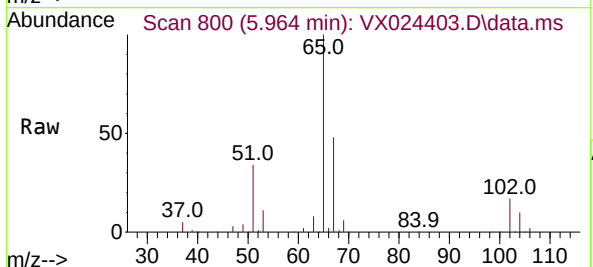
Instrument :
MSVOA_N
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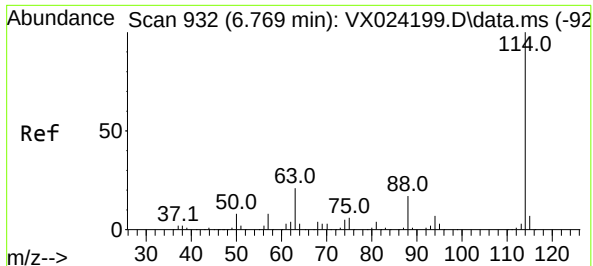
Tgt Ion: 56 Resp: 3188
Ion Ratio Lower Upper
56 100
69 185.4 25.3 37.9#
84 89.8 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.420 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion: 65 Resp: 100020
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.4

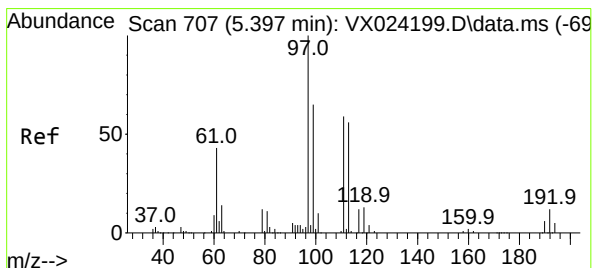
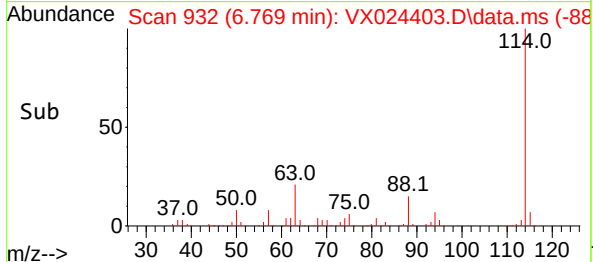
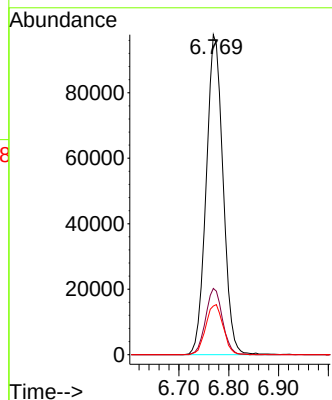
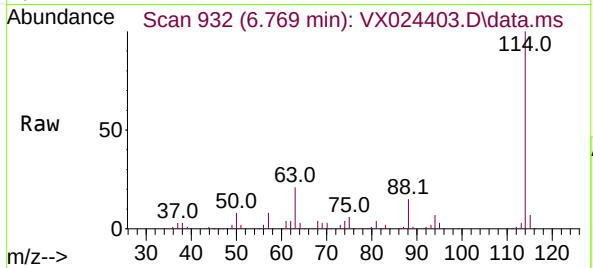




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

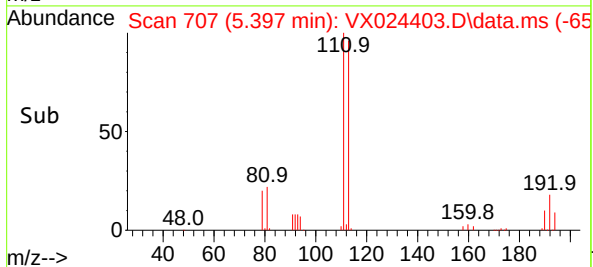
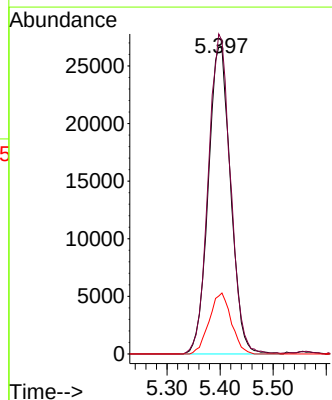
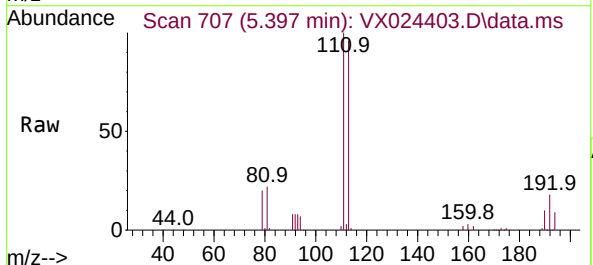
Instrument :
MSVOA_N
ClientSampled :

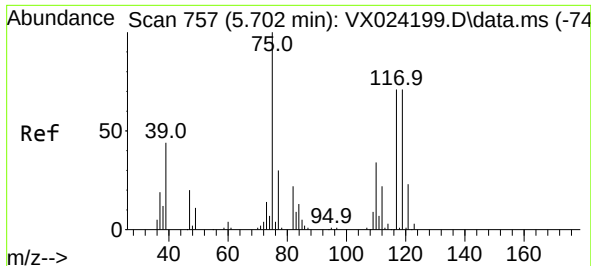
Tgt Ion:114 Resp: 229242
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 15.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.796 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion:113 Resp: 78093
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 19.5 16.7 25.1

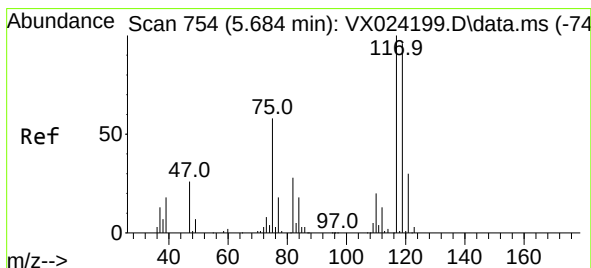
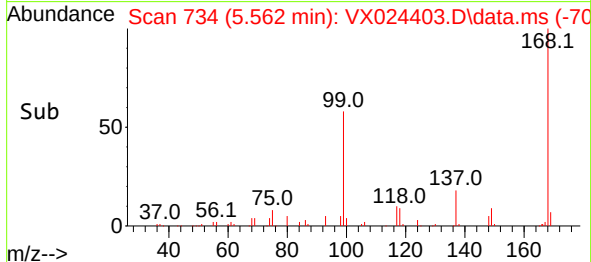
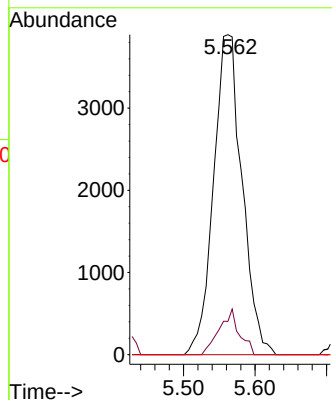
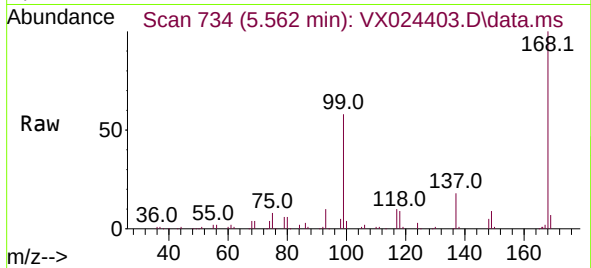




#36
1,1-Dichloropropene
Concen: 5.118 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

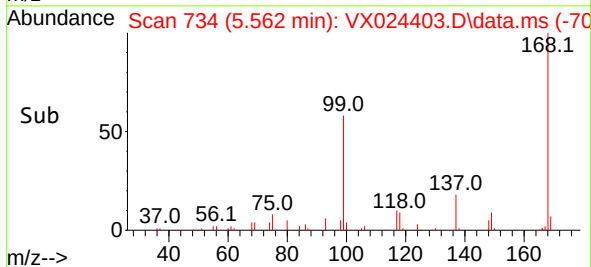
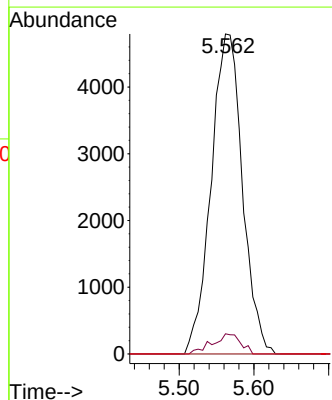
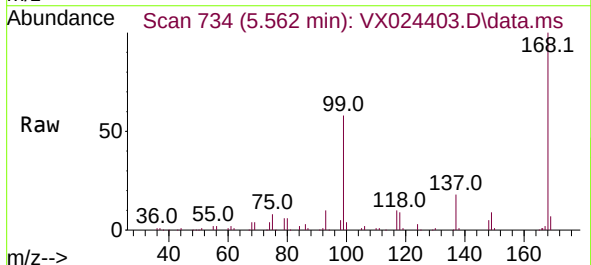
Instrument :
MSVOA_N
ClientSampled :

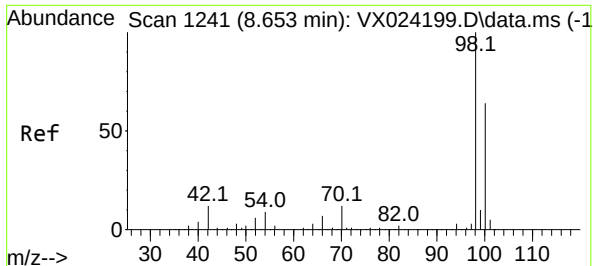
Tgt Ion: 75 Resp: 10787
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.879 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion: 117 Resp: 13946
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.2#
121 0.0 24.8 37.2#

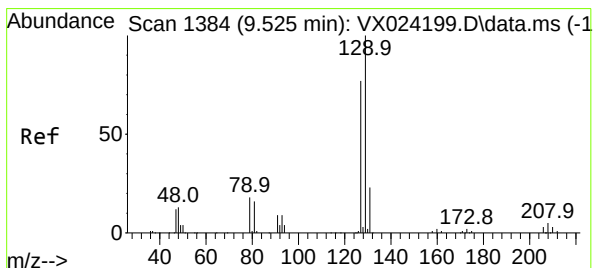
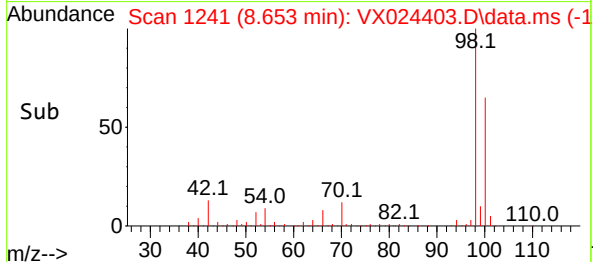
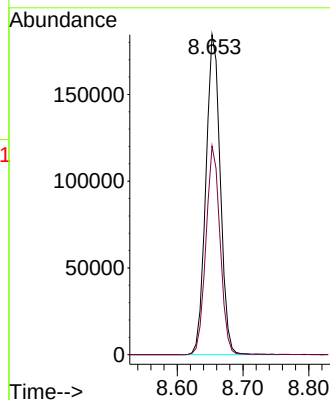
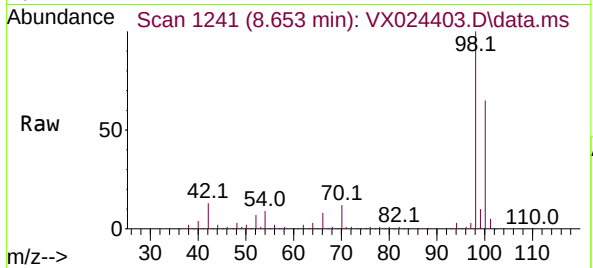




#50
Toluene-d8
Concen: 50.296 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

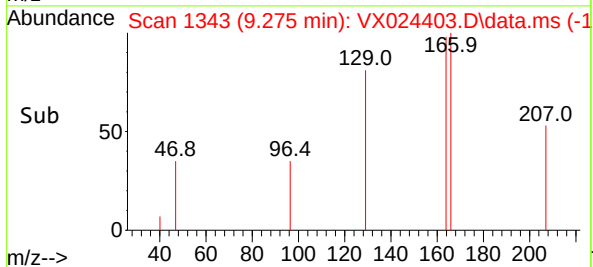
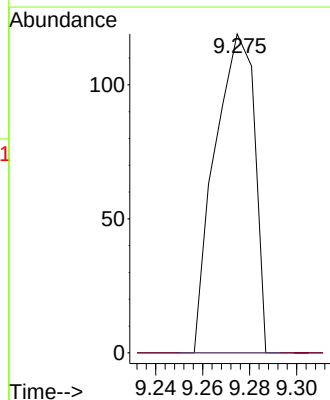
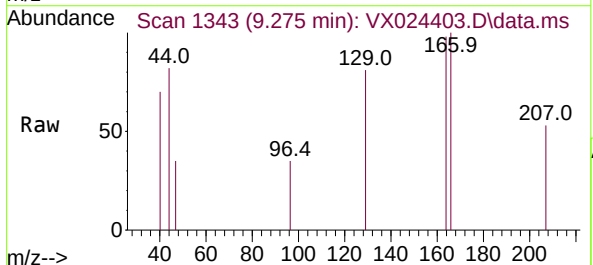
Instrument :
MSVOA_N
ClientSampled :

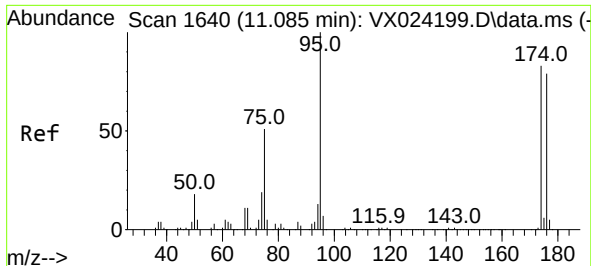
Tgt Ion: 98 Resp: 281691
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#60
Dibromochloromethane
Concen: 1.797 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion:129 Resp: 140
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

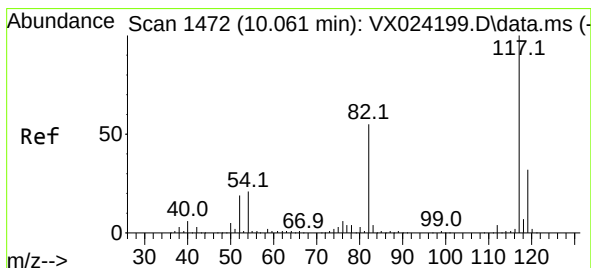
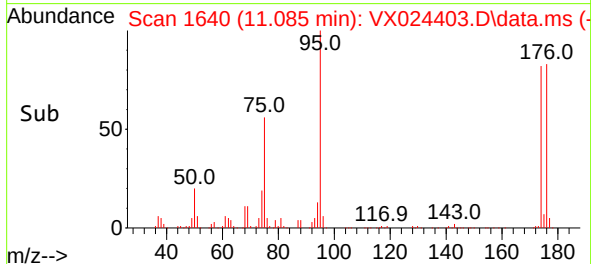
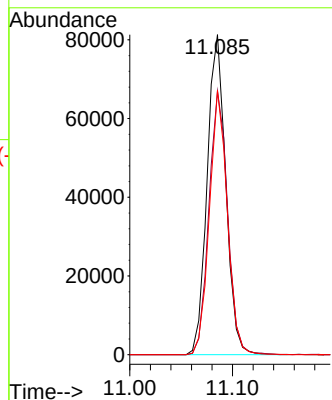
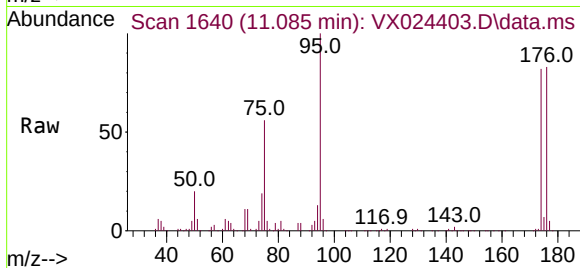




#62
4-Bromofluorobenzene
Concen: 46.945 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

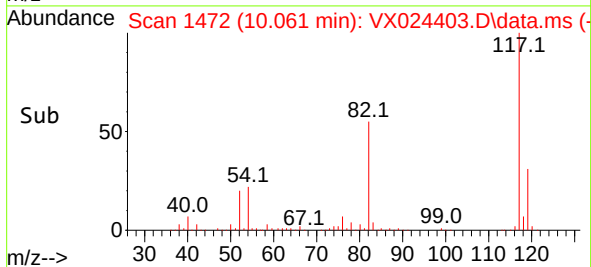
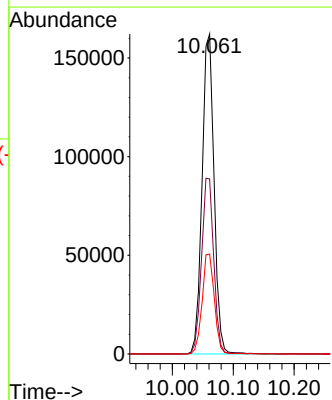
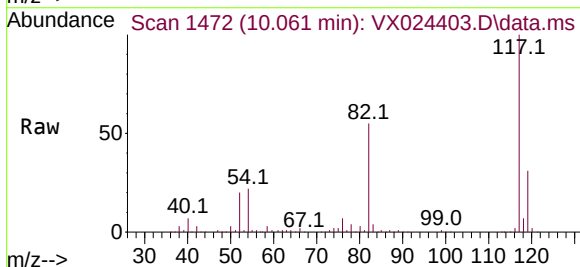
Instrument :
MSVOA_N
ClientSampled :

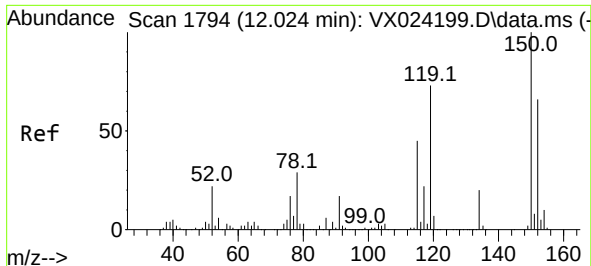
Tgt Ion: 95 Resp: 102320
Ion Ratio Lower Upper
95 100
174 82.7 0.0 154.6
176 79.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion: 117 Resp: 222251
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 31.2 26.6 39.8

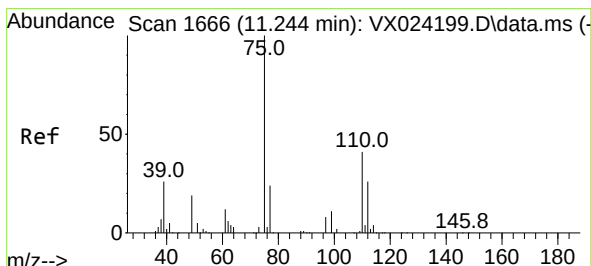
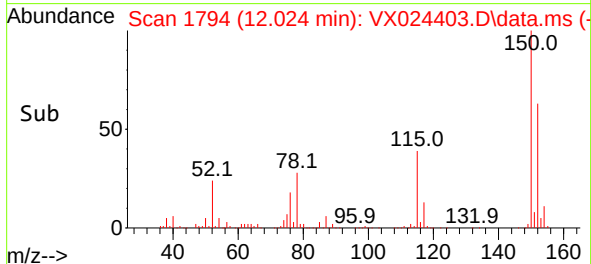
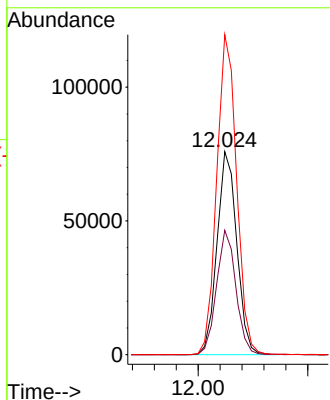
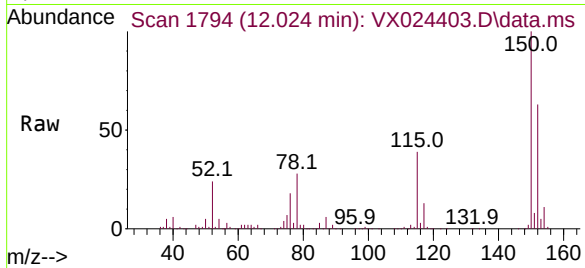




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

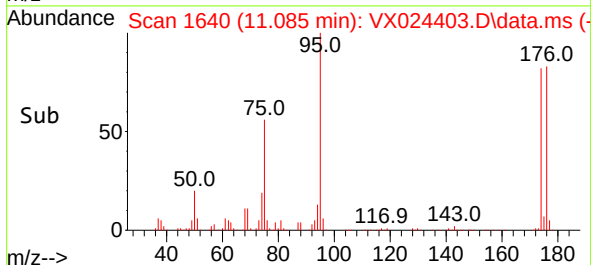
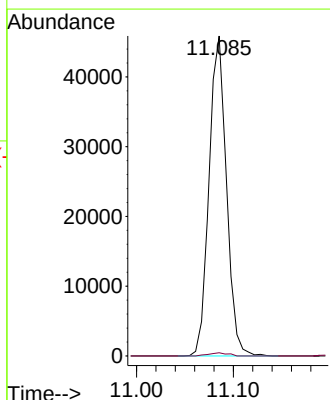
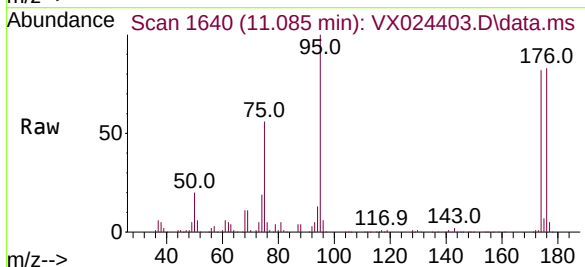
Instrument :
MSVOA_N
ClientSampled :

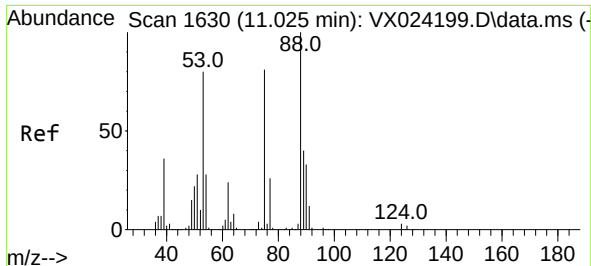
Tgt Ion:152 Resp: 95161
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 158.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.159 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion: 75 Resp: 57240
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

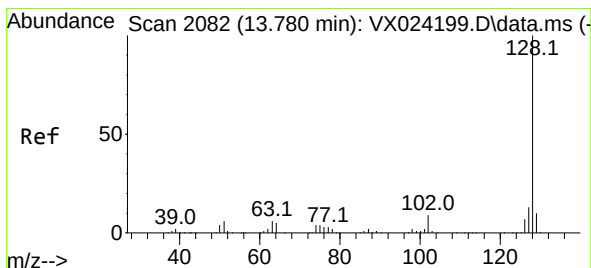
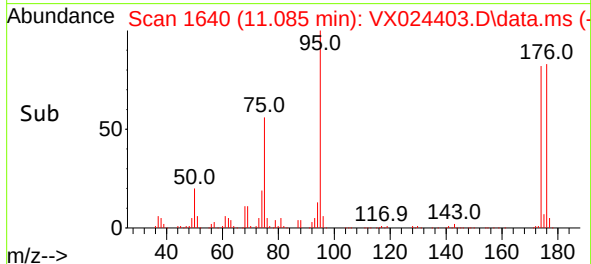
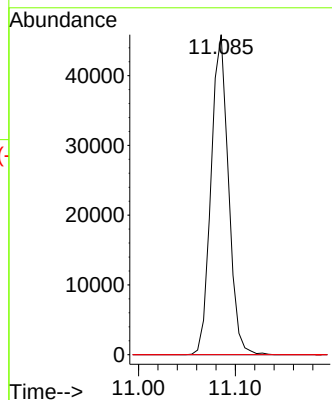
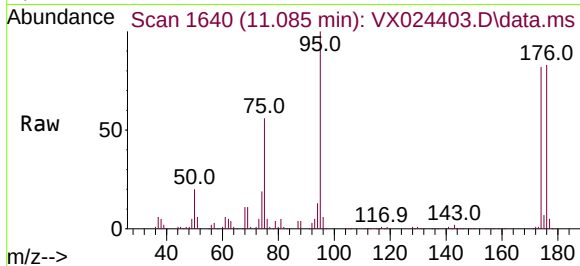




#81
trans-1,4-Dichloro-2-butene
Concen: 76.935 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 57240
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.347 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024403.D
Acq: 21 Sep 2021 23:06

Tgt Ion:128 Resp: 418
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

