

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026822.D
 Acq On : 08 Feb 2022 15:14
 Operator : JC/MD
 Sample : N1405-07 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 09 03:03:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

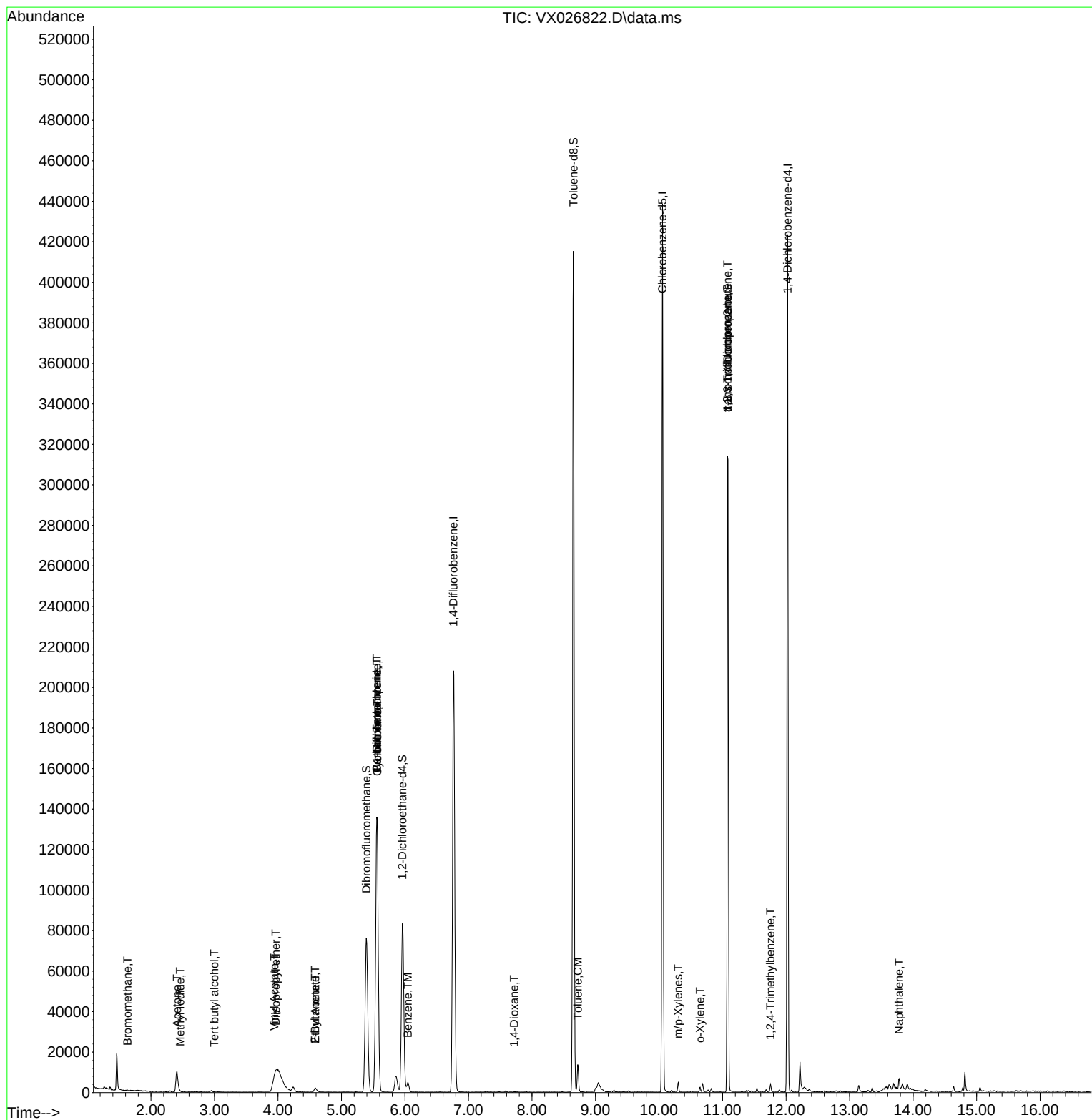
Internal Standards						
1) Pentafluorobenzene	5.556	168	131682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	218773	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82372	52.111	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.220%			
35) Dibromofluoromethane	5.391	113	67900	52.094	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	8.653	98	249870	52.226	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.460%			
62) 4-Bromofluorobenzene	11.079	95	90362	53.645	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.300%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	135	0.228	ug/l	85
10) Methyl Iodide	2.459	142	229	2.371	ug/l #	67
11) Tert butyl alcohol	2.995	59	134	0.469	ug/l #	75
16) Acetone	2.410	43	16271	23.436	ug/l	91
22) Diisopropyl ether	3.965	45	1063	0.221	ug/l #	1
23) Vinyl Acetate	3.940	43	1300	0.322	ug/l #	73
25) 2-Butanone	4.587	43	2021	1.807	ug/l	96
31) Cyclohexane	5.562	56	2688	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10119	4.921	ug/l #	51
37) Ethyl Acetate	4.587	43	2021	0.865	ug/l #	69
38) Carbon Tetrachloride	5.556	117	13300	6.168	ug/l #	17
40) Benzene	6.044	78	5651	0.943	ug/l	98
49) 1,4-Dioxane	7.720	88	190	6.189	ug/l #	34
52) Toluene	8.720	92	5217	1.375	ug/l	99
68) m/p-Xylenes	10.299	106	1246	0.463	ug/l	98
69) o-Xylene	10.646	106	631	0.239	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	44490	24.376	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	44490	74.436	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	1877	0.344	ug/l	78
95) Naphthalene	13.780	128	3635	0.596	ug/l	100

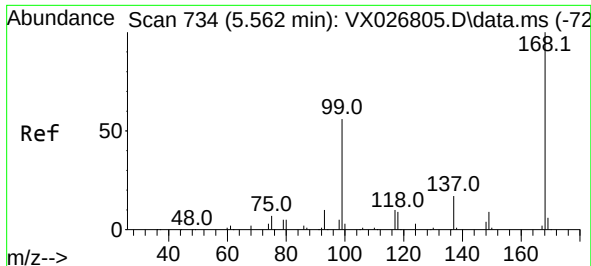
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 09 03:03:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 08 07:07:46 2022
Response via : Initial Calibration

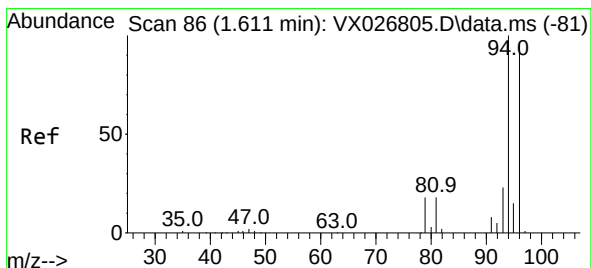
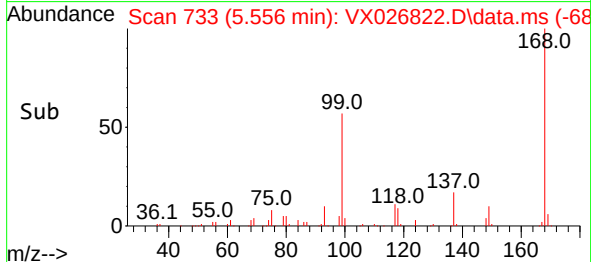
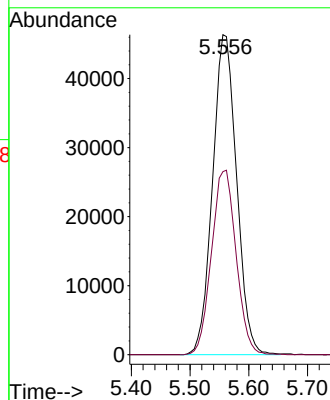
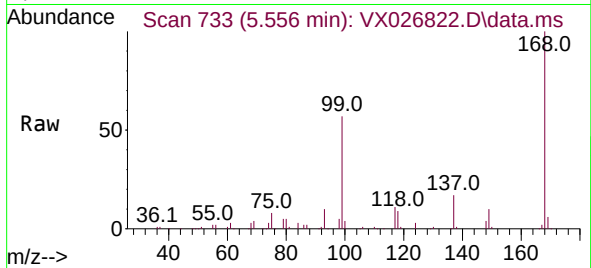




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

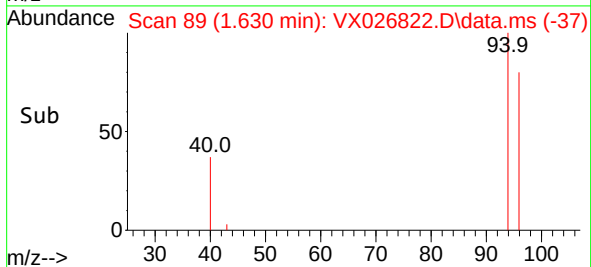
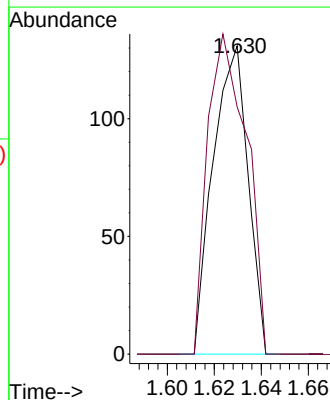
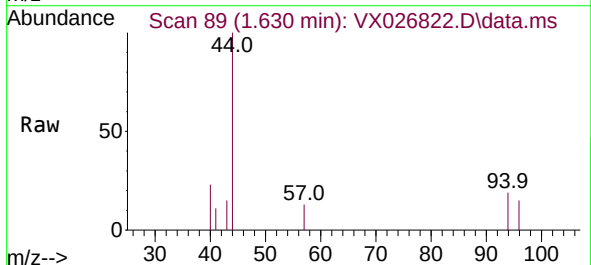
Instrument :
MSVOA_X
ClientSampleId :

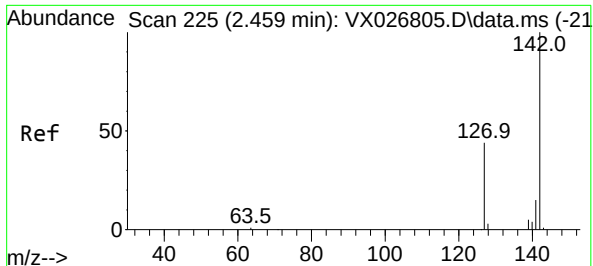
Tgt Ion:168 Resp: 131682
Ion Ratio Lower Upper
168 100
99 57.2 50.3 75.5



#5
Bromomethane
Concen: 0.228 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.018 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

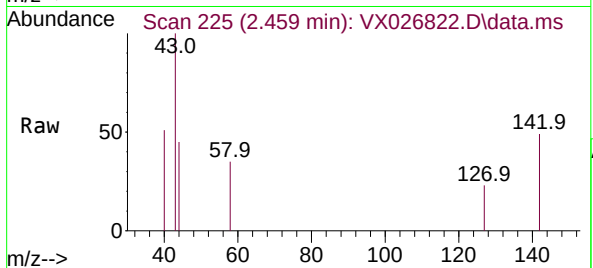
Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 80.2 75.9 113.9



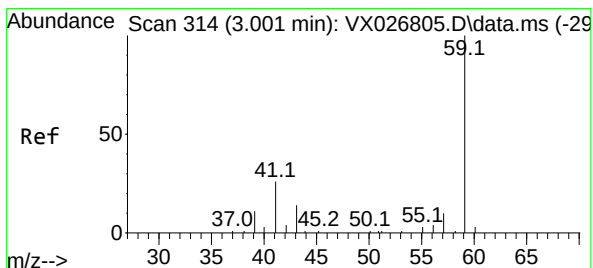
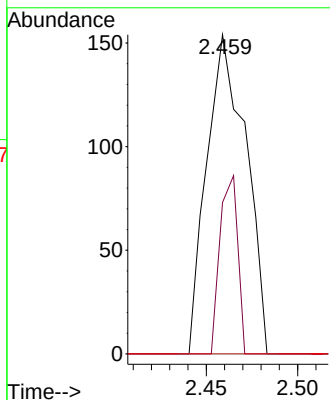
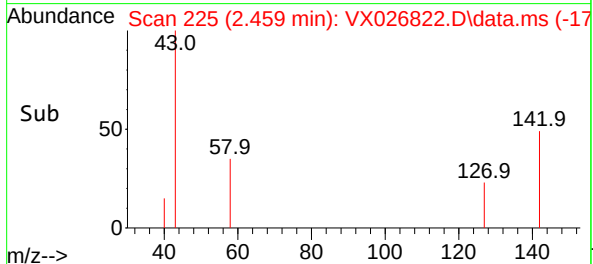


#10
Methyl Iodide
Concen: 2.371 ug/l
RT: 2.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

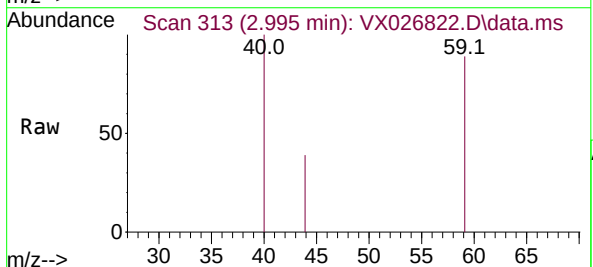
Instrument :
MSVOA_X
ClientSampleId :



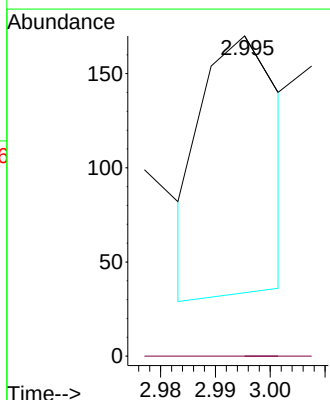
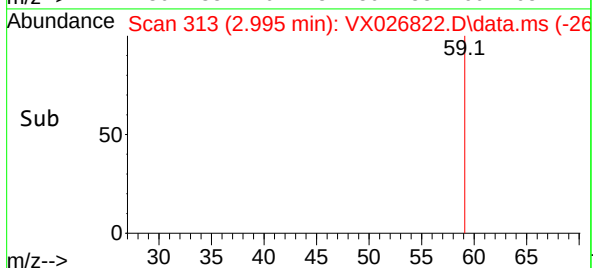
Tgt Ion:142 Resp: 229
Ion Ratio Lower Upper
142 100
127 25.3 38.1 57.1#
141 0.0 11.2 16.8#

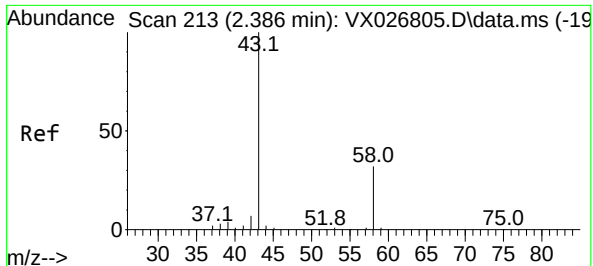


#11
Tert butyl alcohol
Concen: 0.469 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14



Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

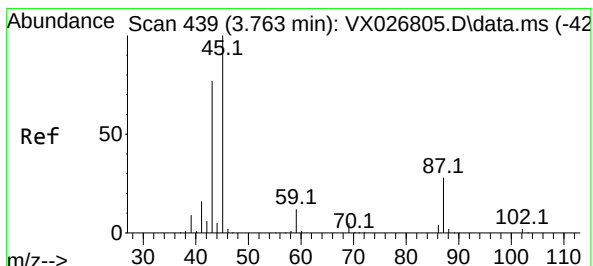
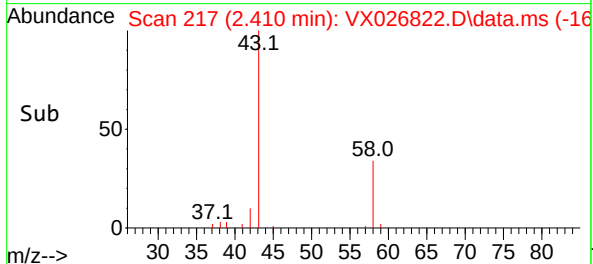
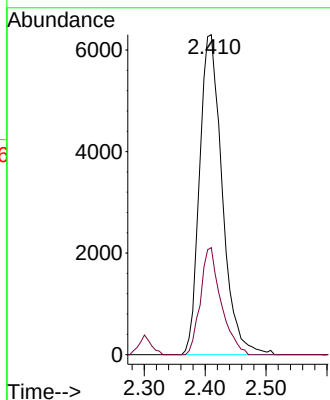
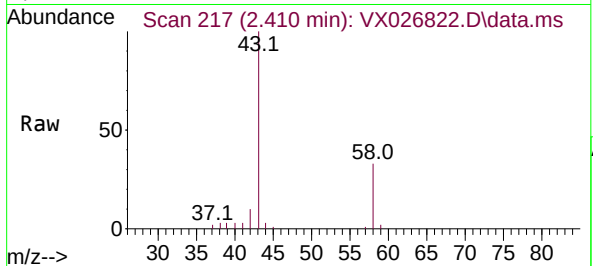




#16
Acetone
Concen: 23.436 ug/l
RT: 2.410 min Scan# 213
Delta R.T. 0.024 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

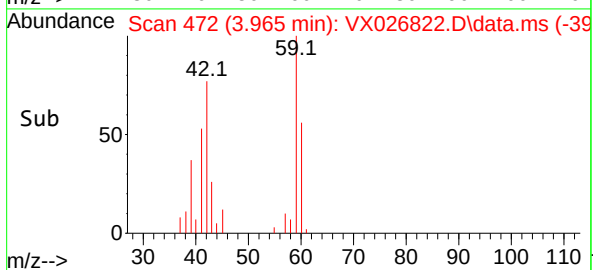
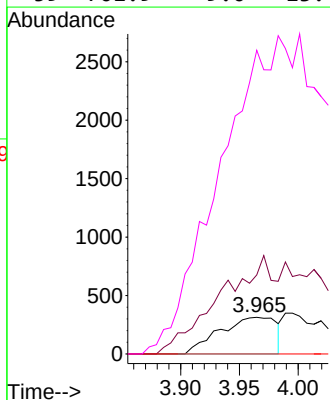
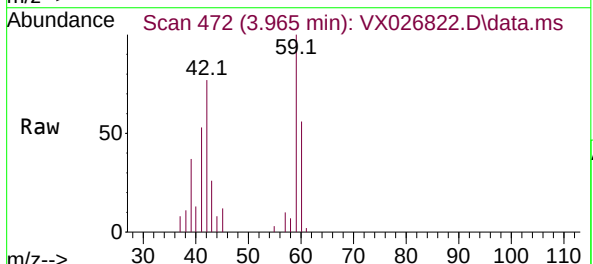
Instrument :
MSVOA_X
ClientSampleId :

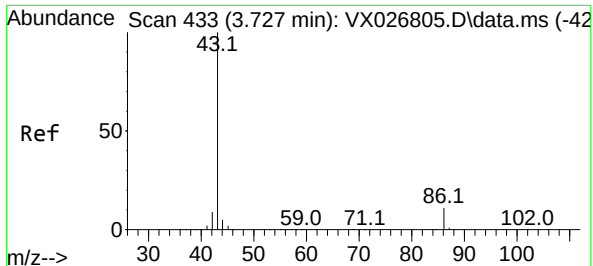
Tgt Ion: 43 Resp: 16271
Ion Ratio Lower Upper
43 100
58 33.5 23.0 34.6



#22
Diisopropyl ether
Concen: 0.221 ug/l
RT: 3.965 min Scan# 472
Delta R.T. 0.201 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

Tgt Ion: 45 Resp: 1063
Ion Ratio Lower Upper
45 100
43 157.6 60.6 91.0#
87 0.0 22.0 33.0#
59 701.9 9.0 13.4#

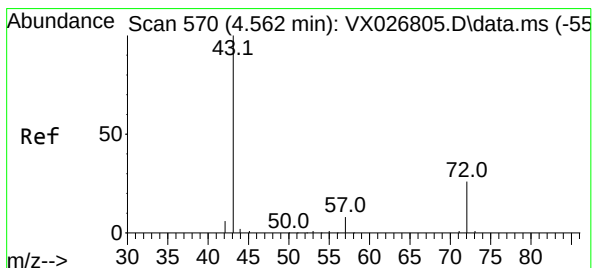
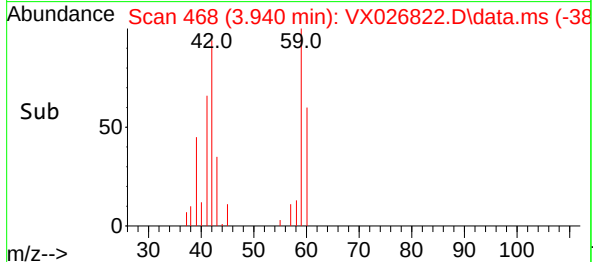
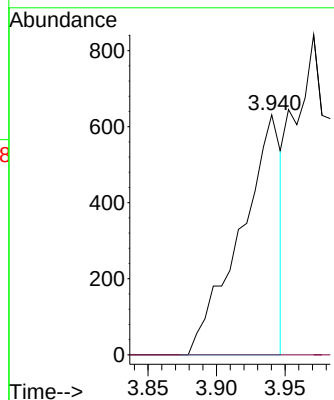
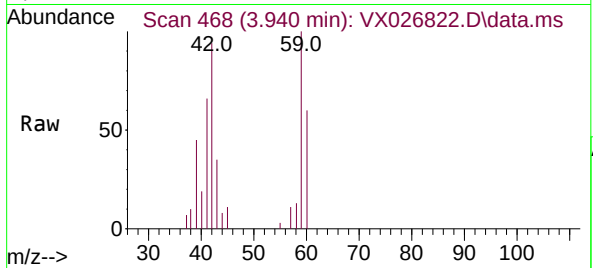




#23
 Vinyl Acetate
 Concen: 0.322 ug/l
 RT: 3.940 min Scan# 41
 Delta R.T. 0.213 min
 Lab File: VX026822.D
 Acq: 08 Feb 2022 15:14

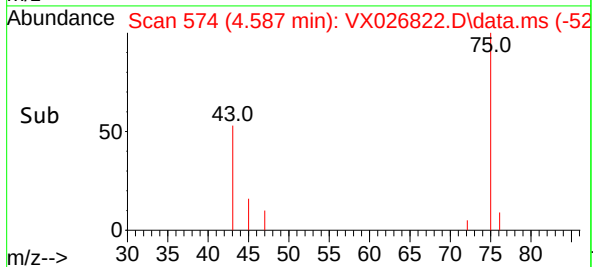
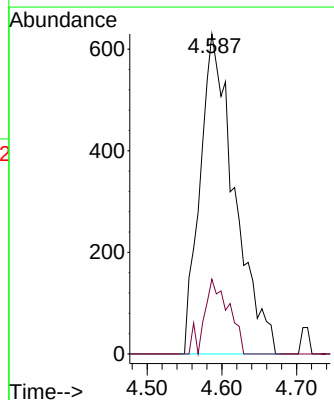
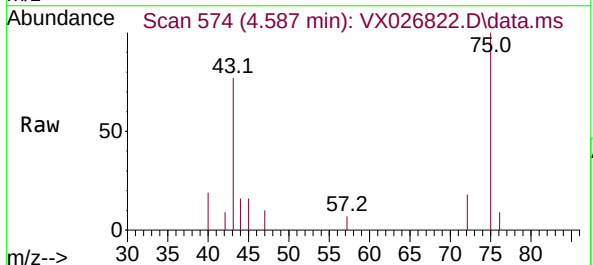
Instrument :
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 ClientSampleId :

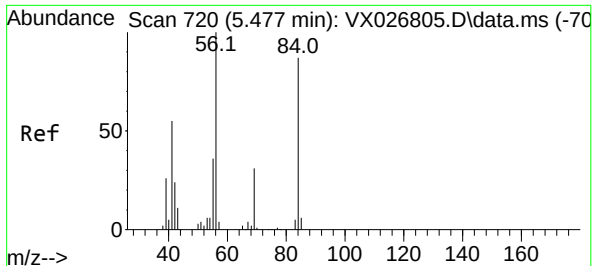
Tgt Ion: 43 Resp: 1300
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.1 12.1#



#25
 2-Butanone
 Concen: 1.807 ug/l
 RT: 4.587 min Scan# 574
 Delta R.T. 0.024 min
 Lab File: VX026822.D
 Acq: 08 Feb 2022 15:14

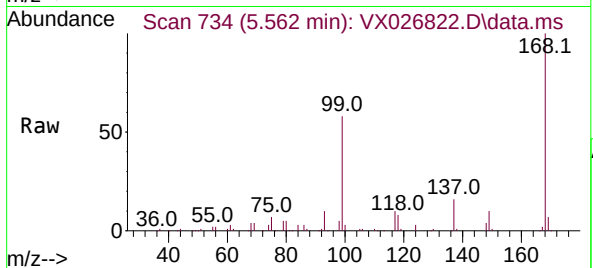
Tgt Ion: 43 Resp: 2021
 Ion Ratio Lower Upper
 43 100
 72 23.3 20.4 30.6



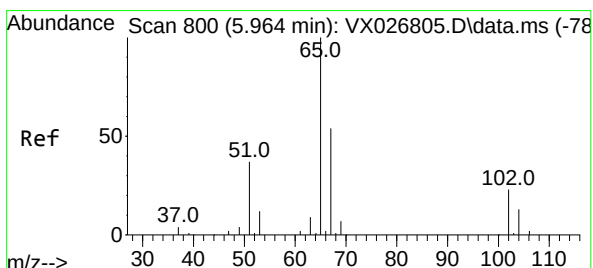
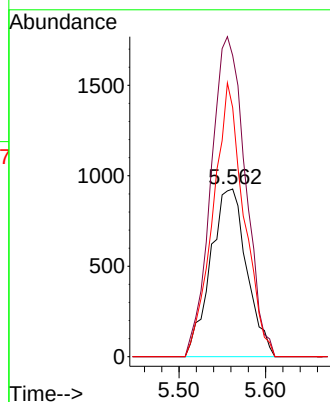
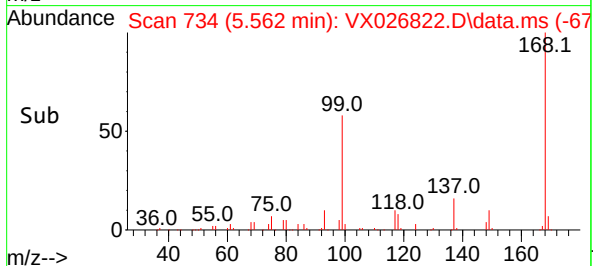


#31
Cyclohexane
Concen: 1.070 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

Instrument :
MSVOA_X
ClientSampleId :

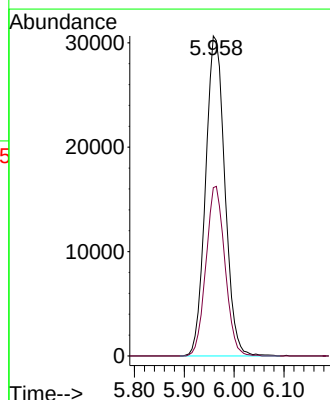
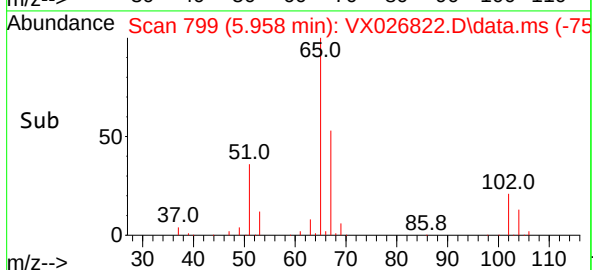
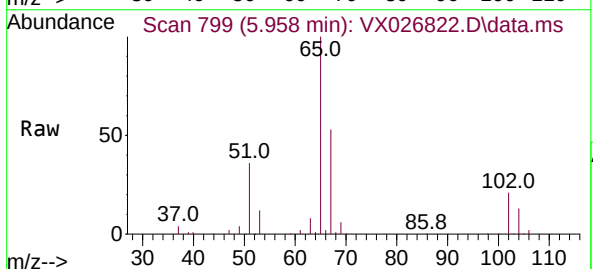


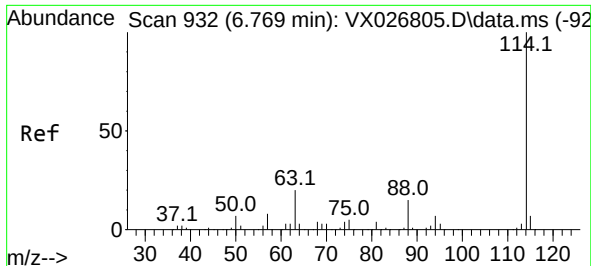
Tgt Ion: 56 Resp: 2688
Ion Ratio Lower Upper
56 100
69 179.6 25.8 38.6#
84 148.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 52.111 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

Tgt Ion: 65 Resp: 82372
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.8

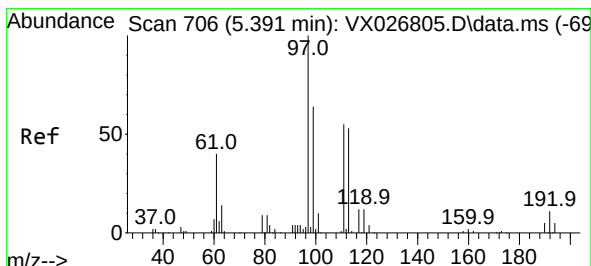
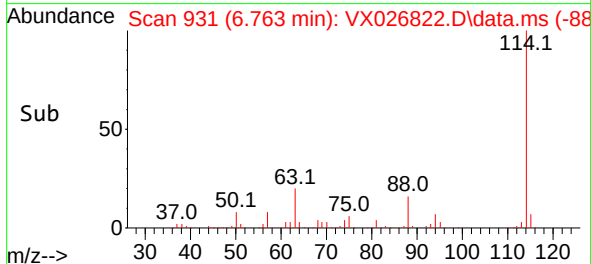
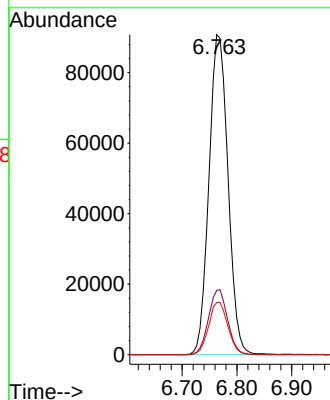
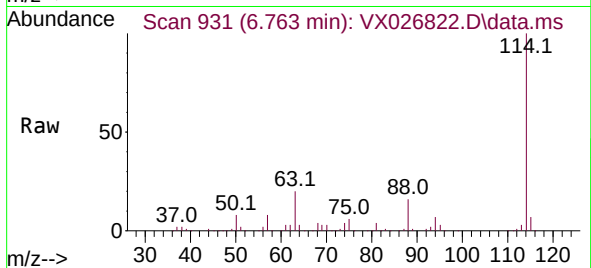




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

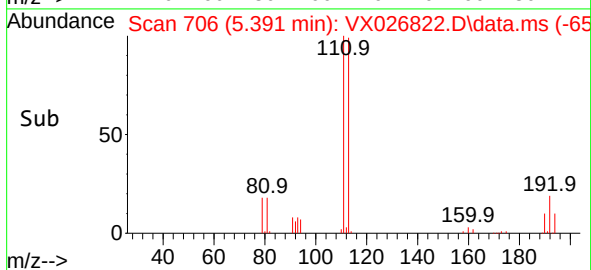
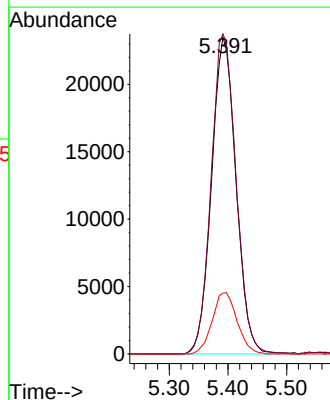
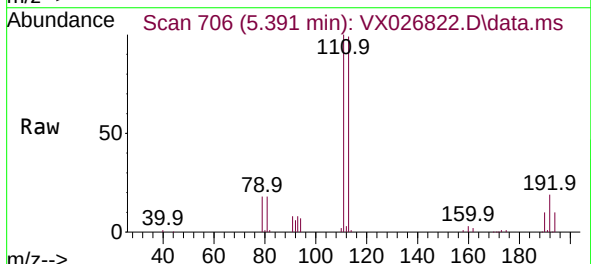
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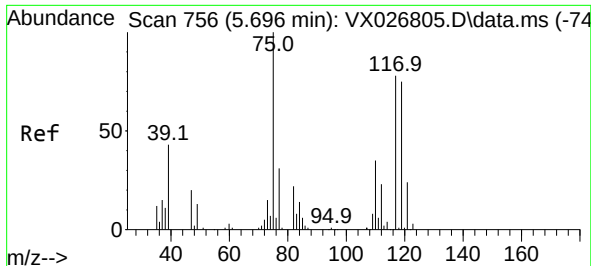
Tgt Ion:114 Resp: 218773
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.8
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.094 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

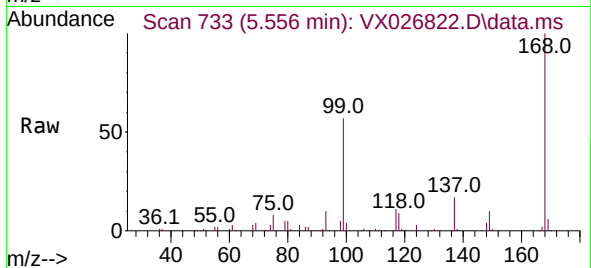
Tgt Ion:113 Resp: 67900
Ion Ratio Lower Upper
113 100
111 102.9 81.2 121.8
192 19.7 15.0 22.4



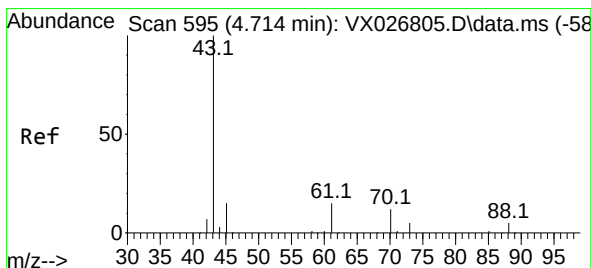
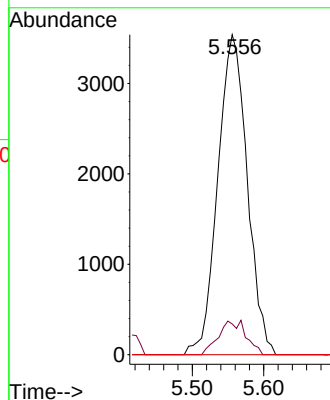
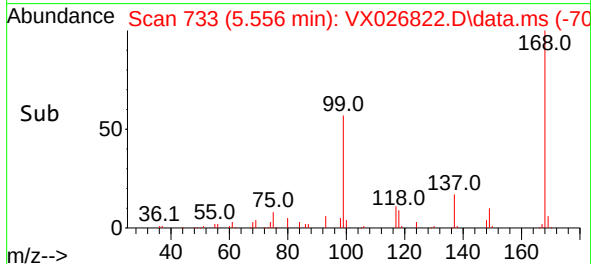


#36
1,1-Dichloropropene
Concen: 4.921 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

Instrument :
MSVOA_X
ClientSampleId :

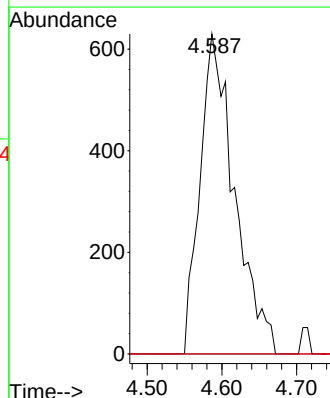
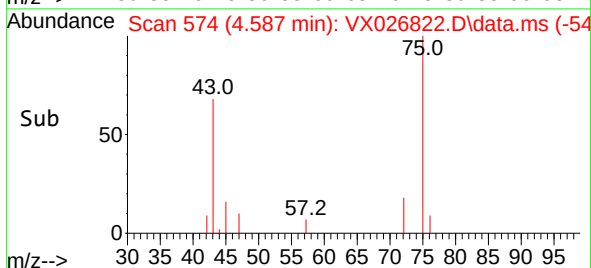
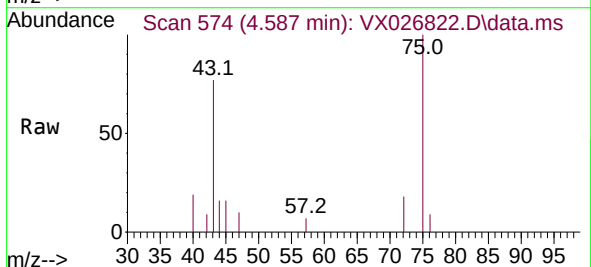


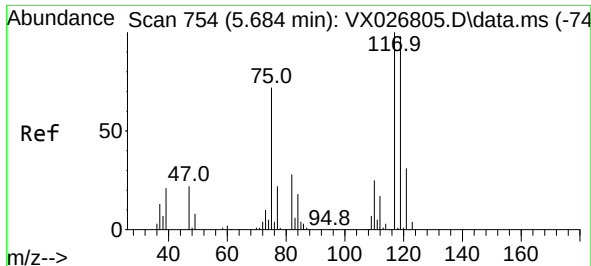
Tgt Ion: 75 Resp: 10119
Ion Ratio Lower Upper
75 100
110 9.9 17.2 51.6#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 0.865 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.128 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

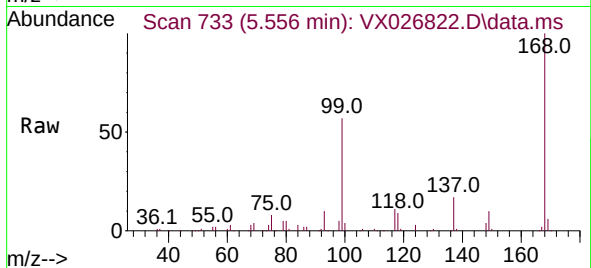
Tgt Ion: 43 Resp: 2021
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.5 12.7#



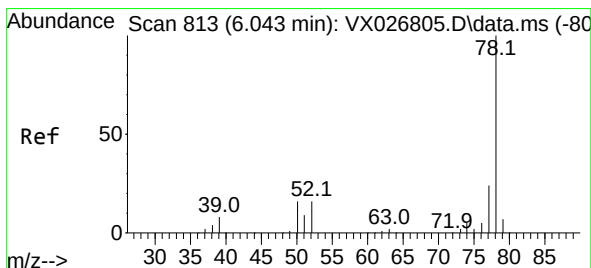
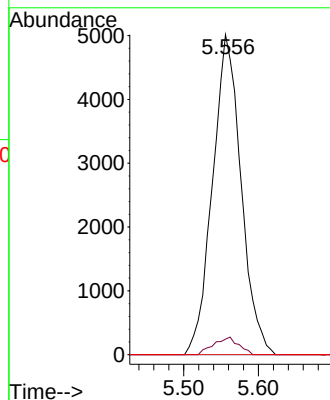
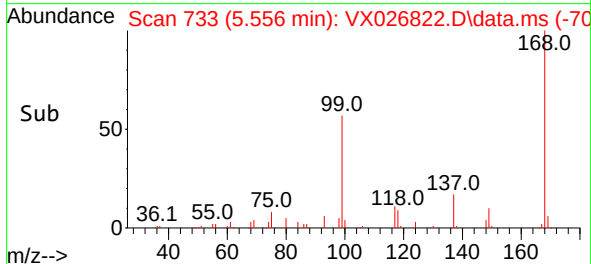


#38
Carbon Tetrachloride
Concen: 6.168 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

Instrument :
MSVOA_X
ClientSampleId :

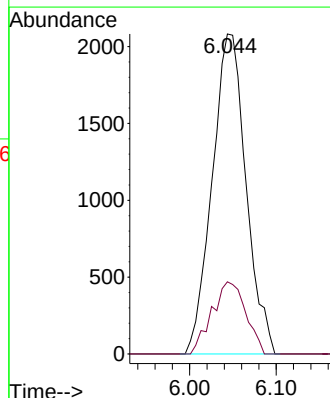
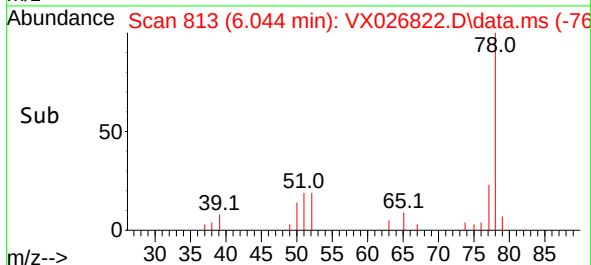
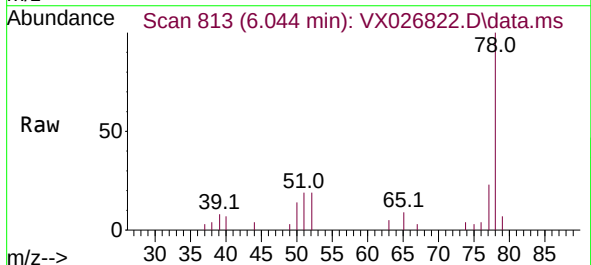


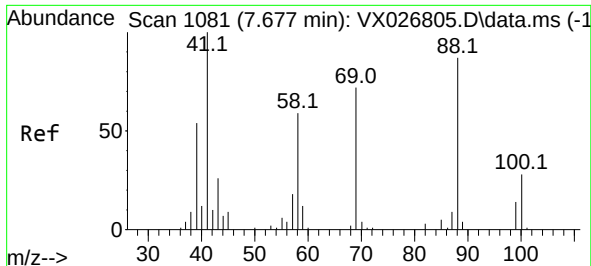
Tgt Ion:117 Resp: 13300
Ion Ratio Lower Upper
117 100
119 4.9 74.7 112.1#
121 0.0 25.4 38.0#



#40
Benzene
Concen: 0.943 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

Tgt Ion: 78 Resp: 5651
Ion Ratio Lower Upper
78 100
77 22.6 18.9 28.3





#49

1,4-Dioxane

Concen: 6.189 ug/l

RT: 7.720 min Scan# 1088

Delta R.T. 0.043 min

Lab File: VX026822.D

Acq: 08 Feb 2022 15:14

Instrument :

MSVOA_X

ClientSampleId :

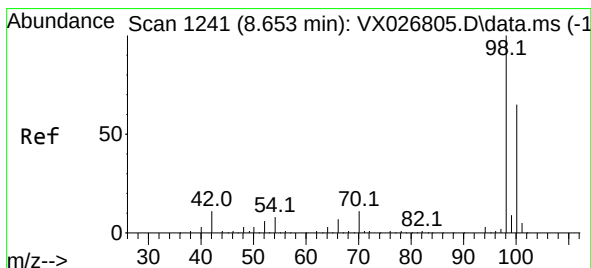
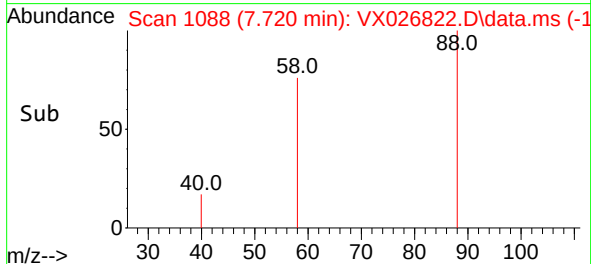
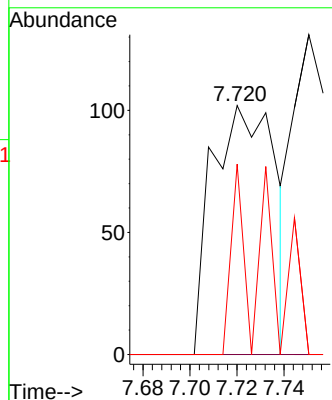
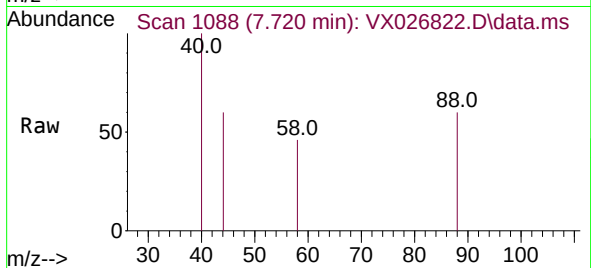
Tgt Ion: 88 Resp: 190

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

58 15.3 57.8 86.6#



#50

Toluene-d8

Concen: 52.226 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026822.D

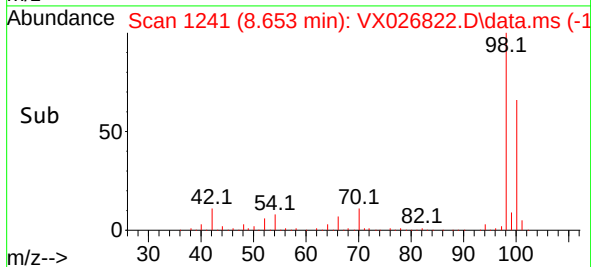
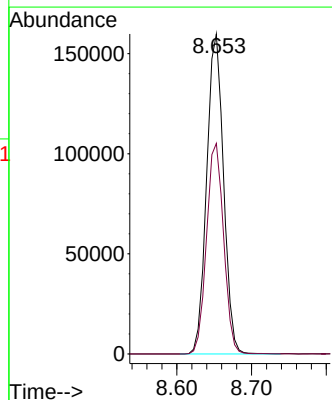
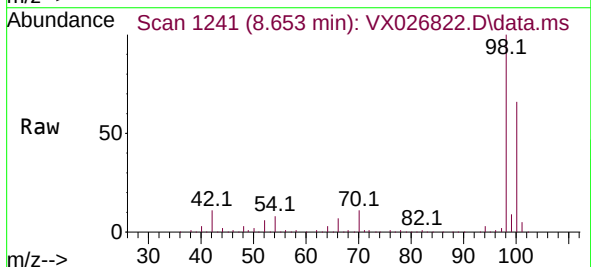
Acq: 08 Feb 2022 15:14

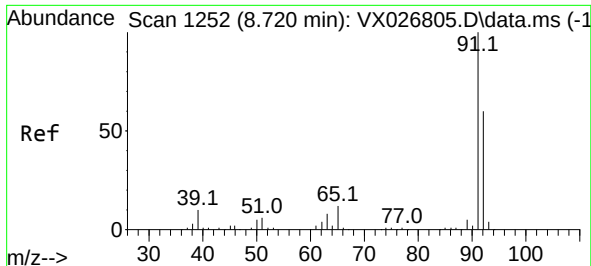
Tgt Ion: 98 Resp: 249870

Ion Ratio Lower Upper

98 100

100 66.8 53.2 79.8

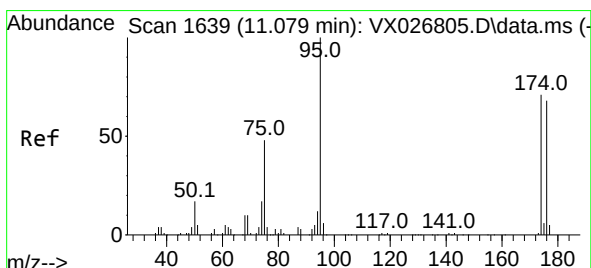
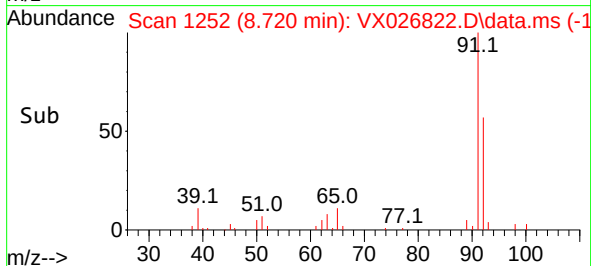
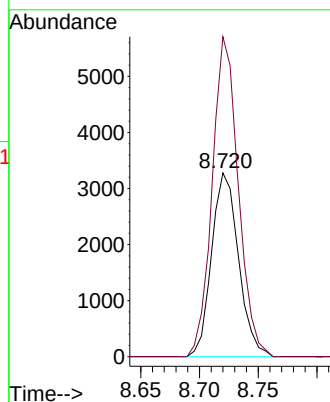
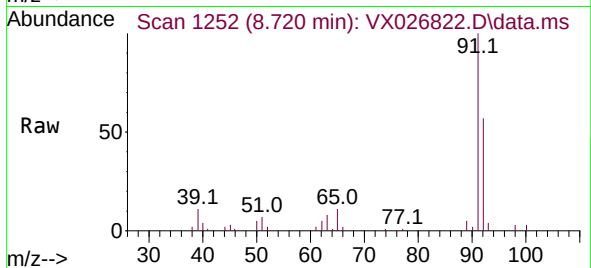




#52
Toluene
Concen: 1.375 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

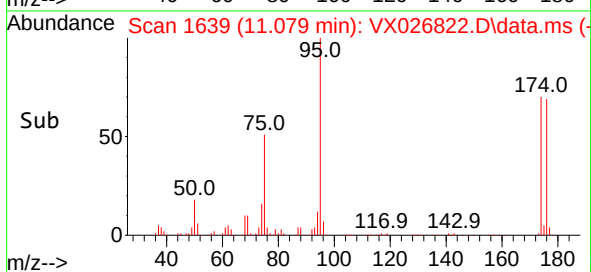
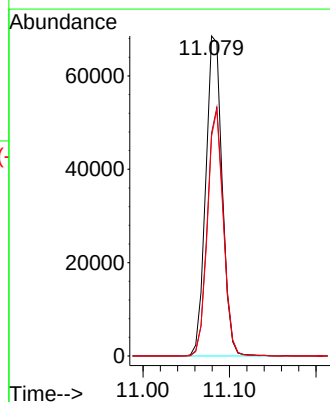
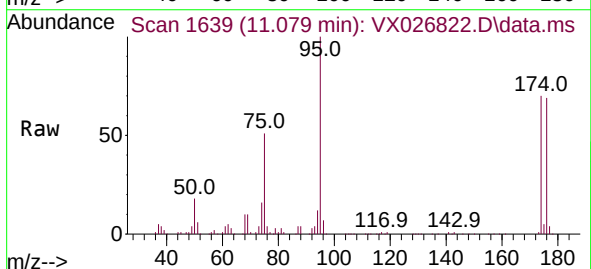
Instrument :
MSVOA_X
ClientSampleId :

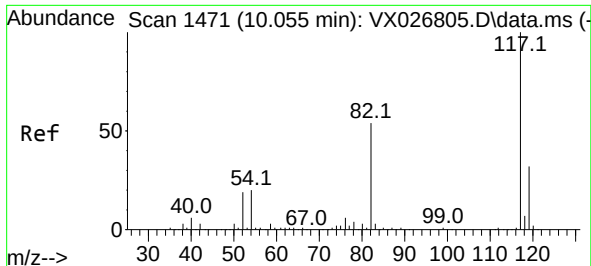
Tgt Ion: 92 Resp: 5217
Ion Ratio Lower Upper
92 100
91 168.8 135.7 203.5



#62
4-Bromofluorobenzene
Concen: 53.645 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

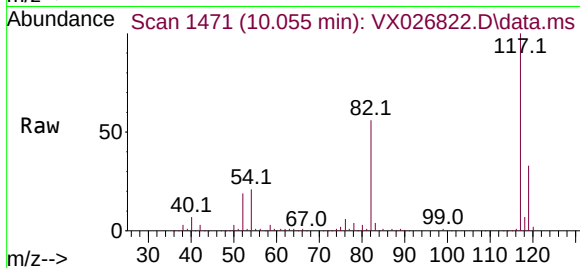
Tgt Ion: 95 Resp: 90362
Ion Ratio Lower Upper
95 100
174 75.8 0.0 148.6
176 73.9 0.0 141.4



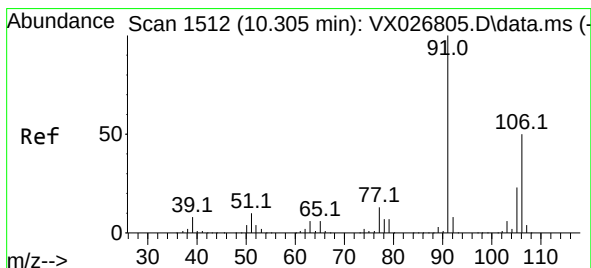
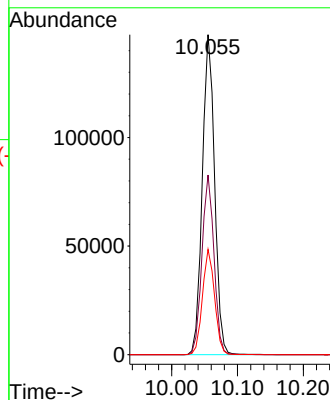
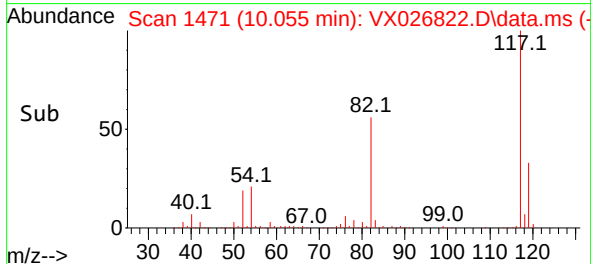


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

Instrument :
MSVOA_X
ClientSampleId :

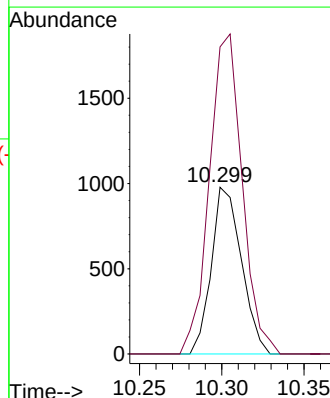
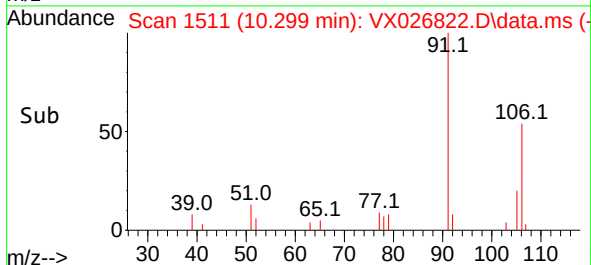
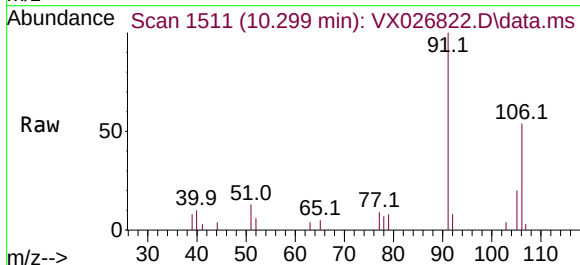


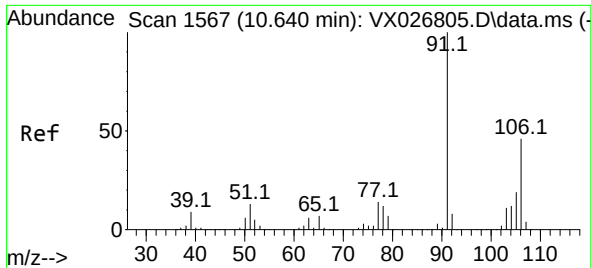
Tgt Ion:117 Resp: 191166
Ion Ratio Lower Upper
117 100
82 56.1 45.2 67.8
119 32.9 26.2 39.2



#68
m/p-Xylenes
Concen: 0.463 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

Tgt Ion:106 Resp: 1246
Ion Ratio Lower Upper
106 100
91 209.3 165.3 247.9

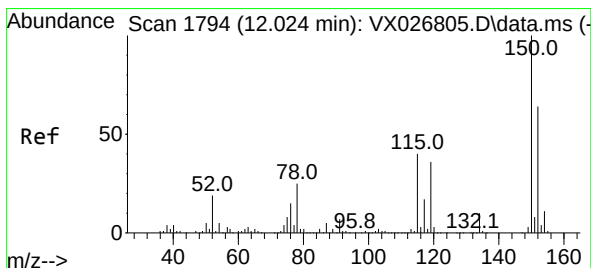
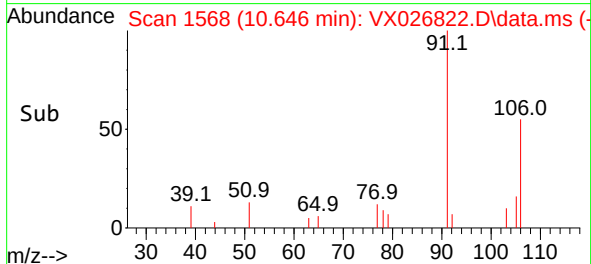
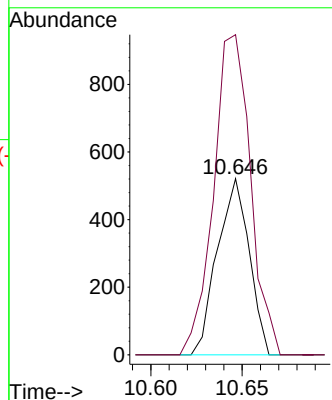
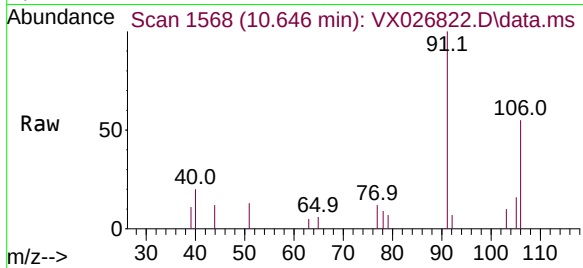




#69
o-Xylene
Concen: 0.239 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

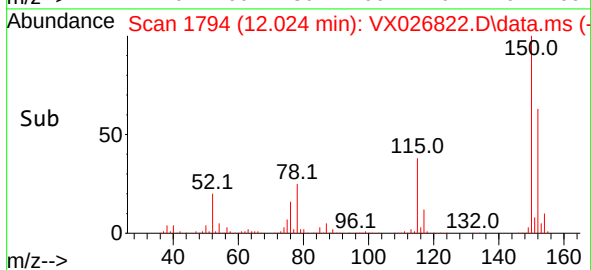
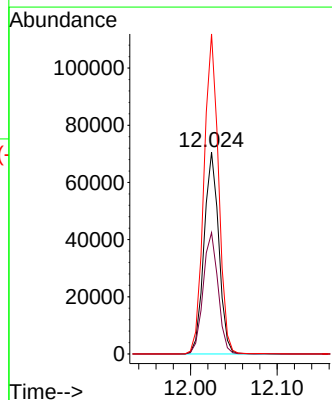
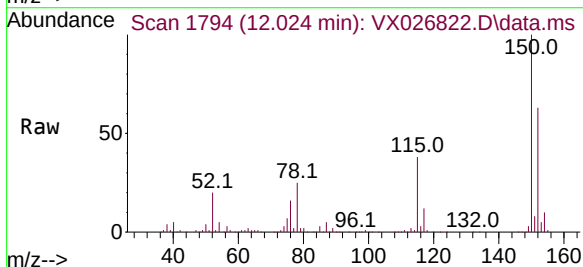
Instrument :
MSVOA_X
ClientSampleId :

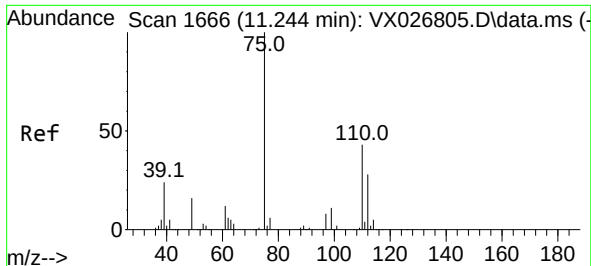
Tgt Ion:106 Resp: 631
Ion Ratio Lower Upper
106 100
91 210.9 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

Tgt Ion:152 Resp: 83378
Ion Ratio Lower Upper
152 100
115 60.5 44.2 132.6
150 157.1 0.0 348.2

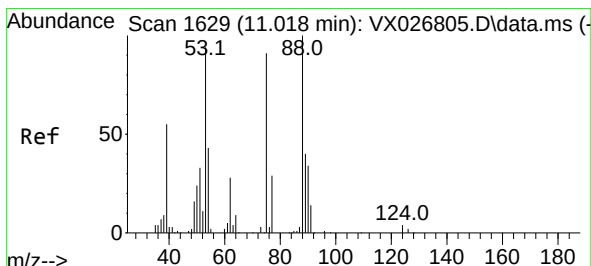
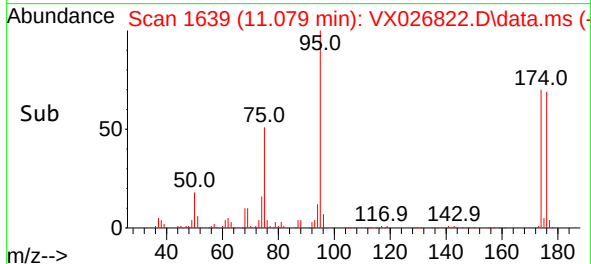
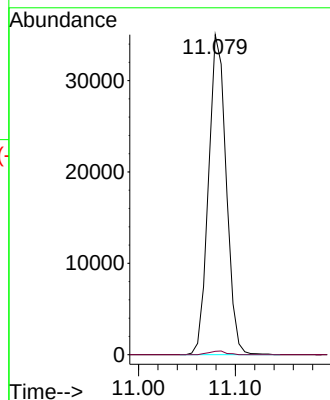
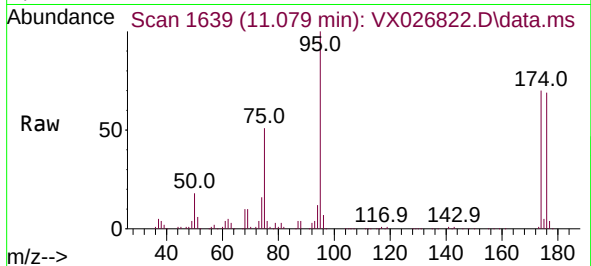




#76
1,2,3-Trichloropropane
Concen: 24.376 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

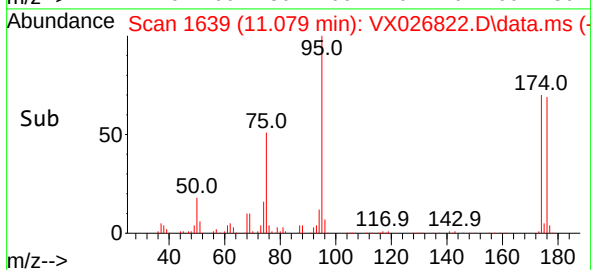
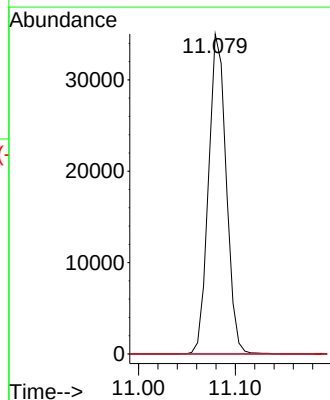
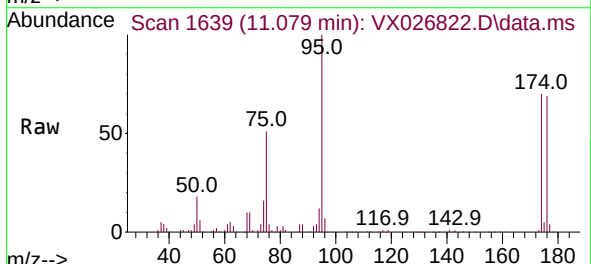
Instrument :
MSVOA_X
ClientSampleId :

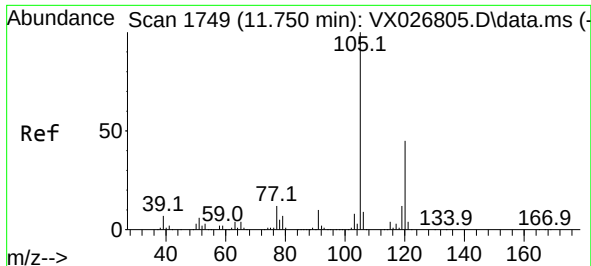
Tgt Ion: 75 Resp: 44490
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.436 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026822.D
Acq: 08 Feb 2022 15:14

Tgt Ion: 75 Resp: 44490
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

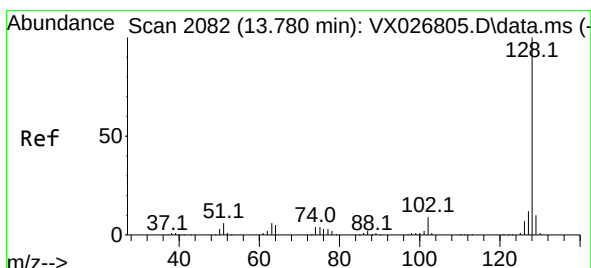
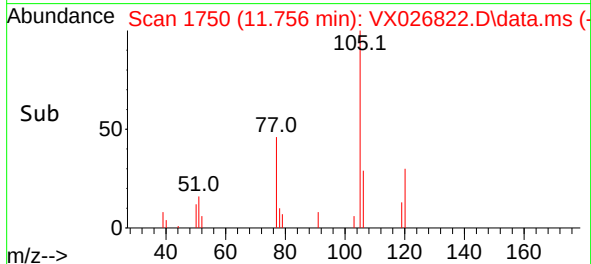
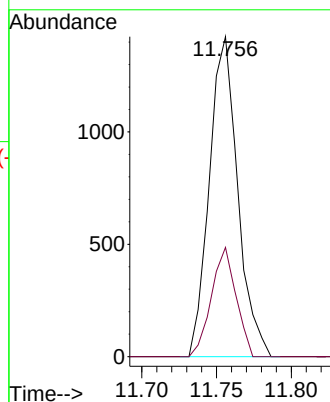
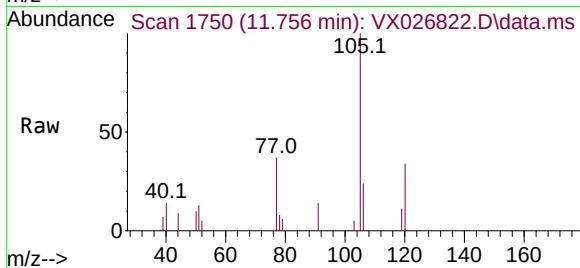




#84
 1,2,4-Trimethylbenzene
 Concen: 0.344 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX026822.D
 Acq: 08 Feb 2022 15:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:105 Resp: 1877
 Ion Ratio Lower Upper
 105 100
 120 29.6 21.9 65.5



#95
 Naphthalene
 Concen: 0.596 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX026822.D
 Acq: 08 Feb 2022 15:14

Tgt Ion:128 Resp: 3635
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 10.8 8.7 13.1

