

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081821\
 Data File : VX023822.D
 Acq On : 18 Aug 2021 17:24
 Operator : JC/MD
 Sample : PB138522ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

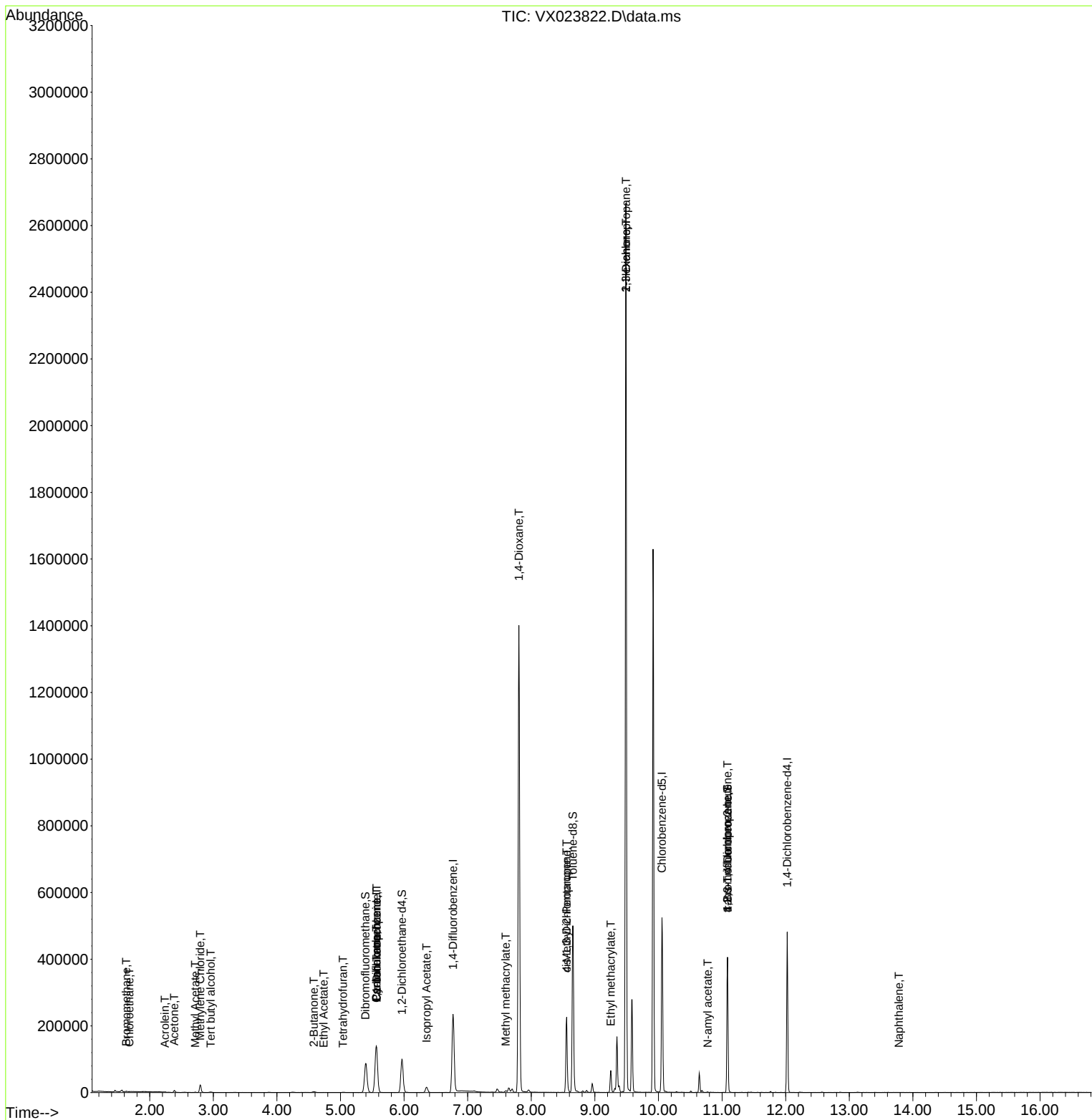
Instrument :
 MSVOA_X
 ClientSampleId :

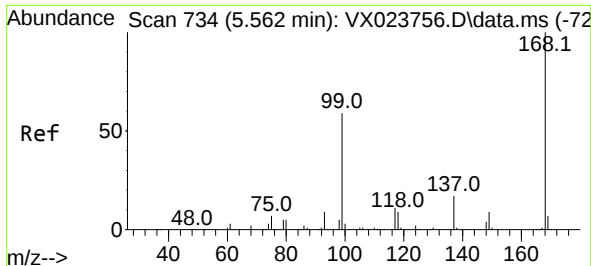
Quant Time: Aug 19 04:20:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	132841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	231316	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97158	52.403	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 104.800%		
35) Dibromofluoromethane	5.391	113	74579	48.712	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.420%		
50) Toluene-d8	8.653	98	290243	49.809	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.620%		
62) 4-Bromofluorobenzene	11.085	95	100946	47.058	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 94.120%		
Target Compounds						Qvalue
5) Bromomethane	1.630	94	486	0.515	ug/l #	46
6) Chloroethane	1.678	64	119	2.308	ug/l #	43
11) Tert butyl alcohol	2.959	59	1337	3.566	ug/l #	73
13) Acrolein	2.239	56	47	0.211	ug/l #	14
16) Acetone	2.386	43	6426	7.752	ug/l	90
18) Methyl Acetate	2.715	43	1213	0.586	ug/l #	86
20) Methylene Chloride	2.794	84	9935	6.274	ug/l	90
25) 2-Butanone	4.580	43	3454	2.751	ug/l	92
29) Tetrahydrofuran	5.038	42	678	0.834	ug/l #	85
31) Cyclohexane	5.562	56	2997	1.258	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10598	4.947	ug/l #	49
37) Ethyl Acetate	4.733	43	531	0.202	ug/l #	76
38) Carbon Tetrachloride	5.568	117	13145	5.885	ug/l #	16
43) Isopropyl Acetate	6.354	43	21437	5.205	ug/l #	93
48) Methyl methacrylate	7.598	41	6344	3.157	ug/l #	10
49) 1,4-Dioxane	7.805	88	198	4.663	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	77592	29.143	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	32912	12.827	ug/l #	71
56) Ethyl methacrylate	9.250	69	269	0.851	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	21267	7.588	ug/l #	42
59) 2-Hexanone	9.488	43	312289	152.592	ug/l #	43
74) N-amyl acetate	10.774	43	853	0.267	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	53885	24.912	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	53885	73.280	ug/l #	12
95) Naphthalene	13.780	128	203	1.312	ug/l #	69

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

Quant Time: Aug 19 04:20:34 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

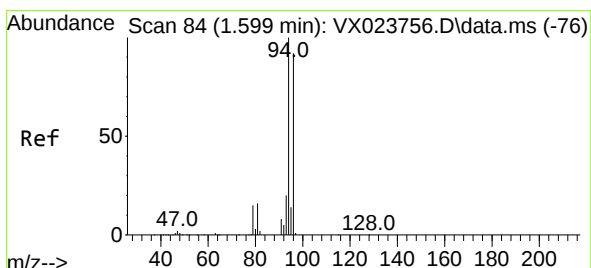
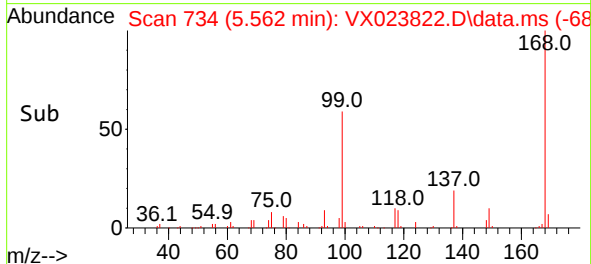
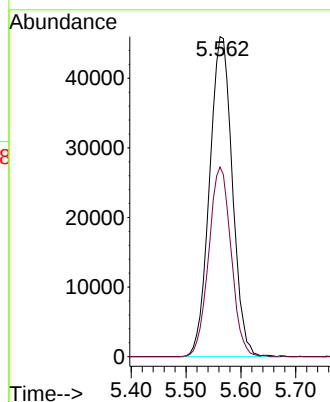
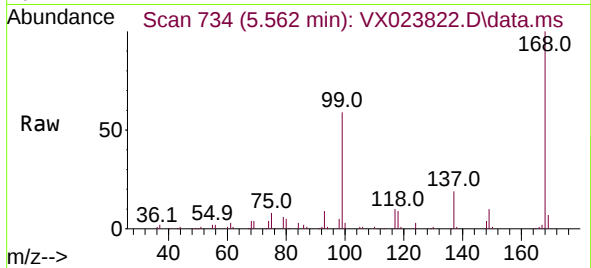




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

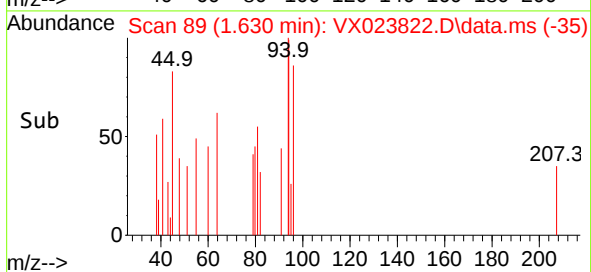
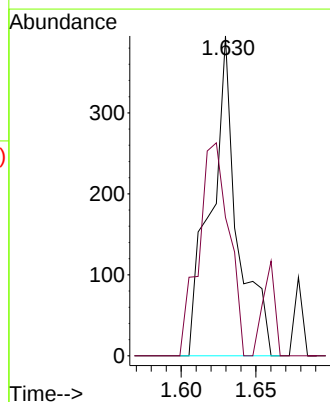
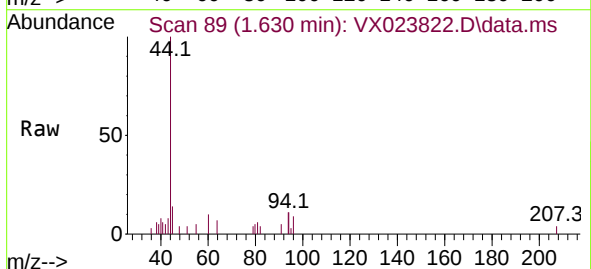
Instrument :
MSVOA_X
ClientSampleId :

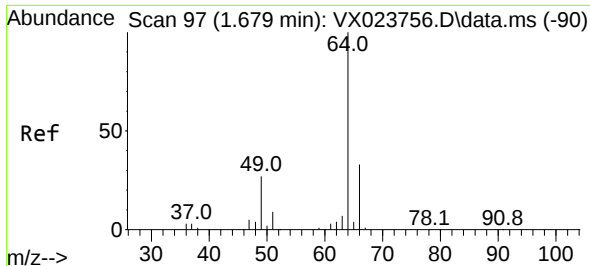
Tgt Ion:168 Resp: 132841
Ion Ratio Lower Upper
168 100
99 59.3 45.8 68.6



#5
Bromomethane
Concen: 0.515 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 94 Resp: 486
Ion Ratio Lower Upper
94 100
96 43.3 76.4 114.6#

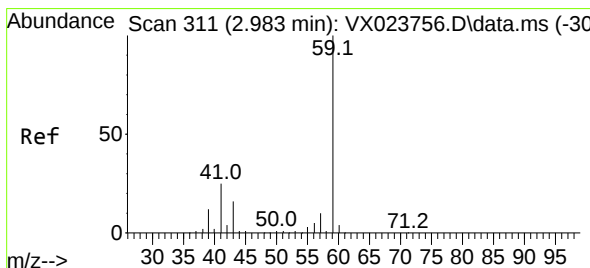
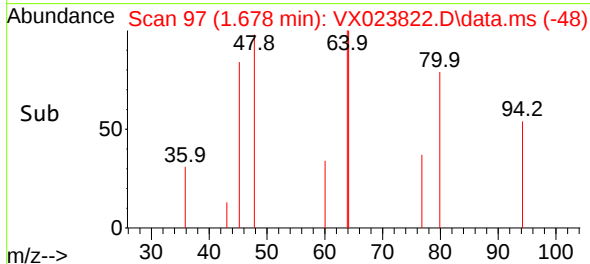
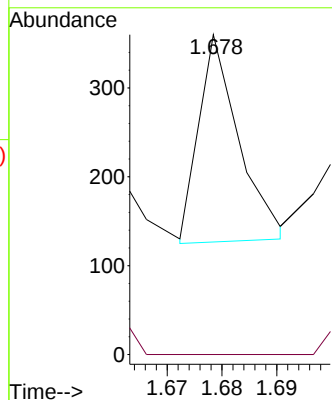
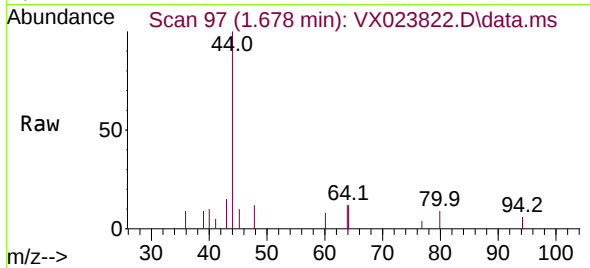




#6
Chloroethane
Concen: 2.308 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

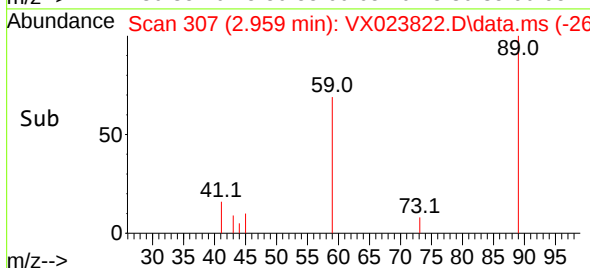
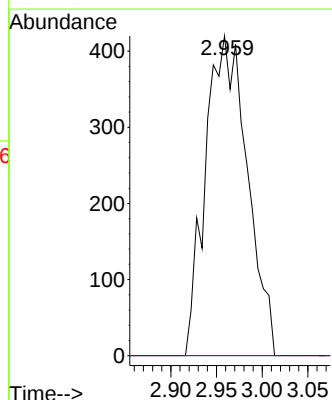
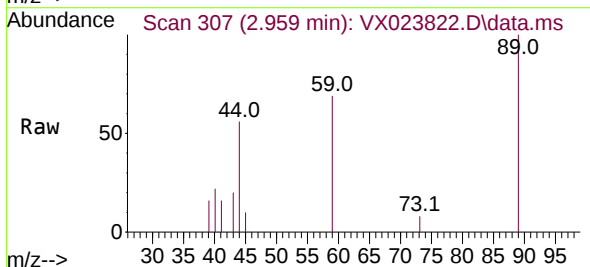
Instrument :
MSVOA_X
ClientSampled :

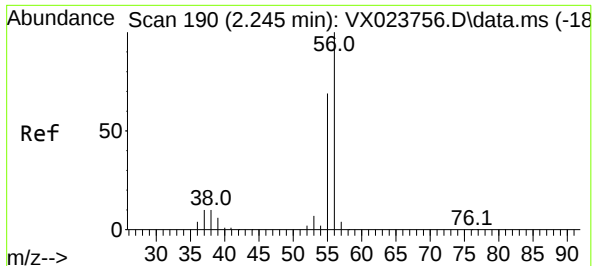
Tgt Ion: 64 Resp: 119
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 3.566 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 59 Resp: 1337
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

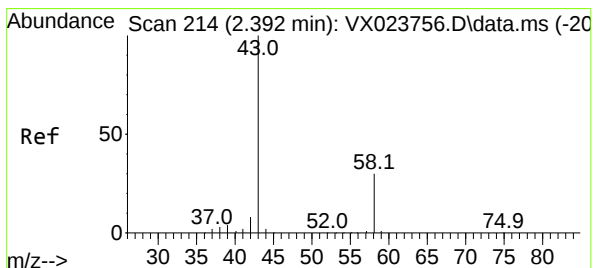
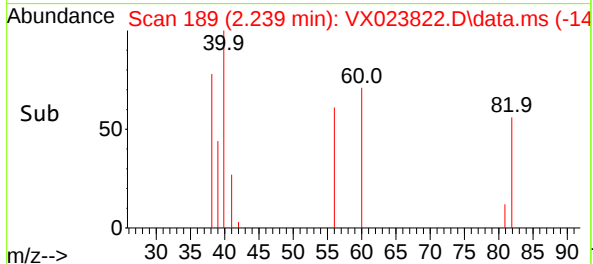
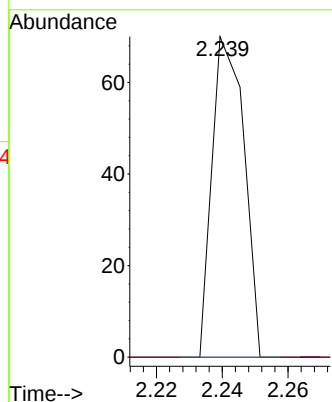
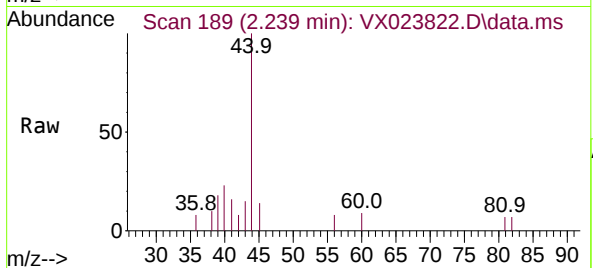




#13
Acrolein
Concen: 0.211 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

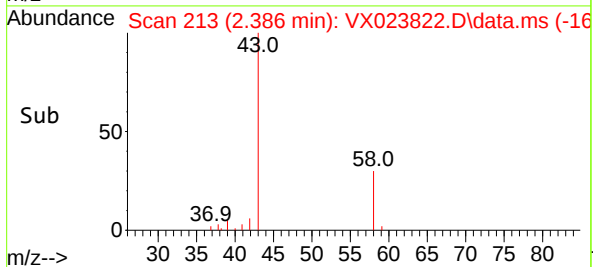
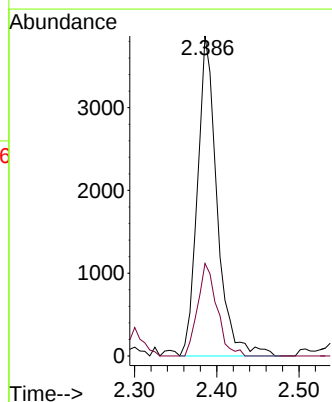
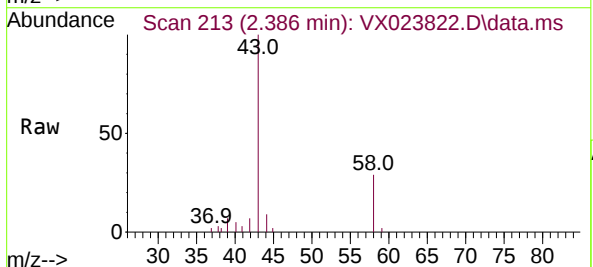
Instrument :
MSVOA_X
ClientSampleId :

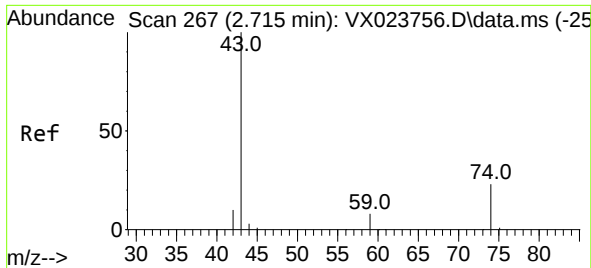
Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 7.752 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 43 Resp: 6426
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8

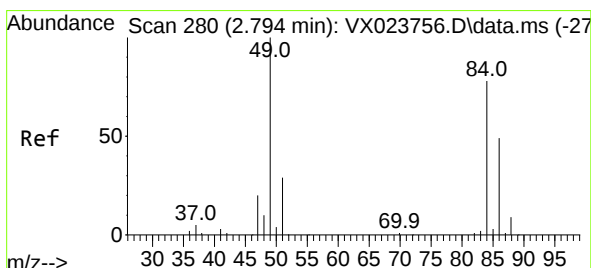
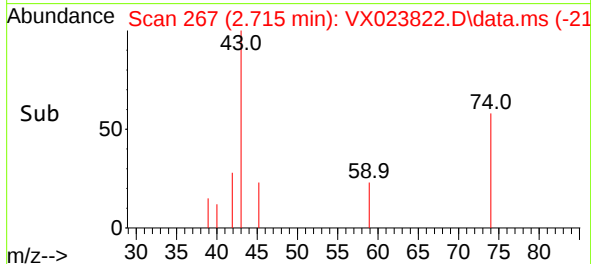
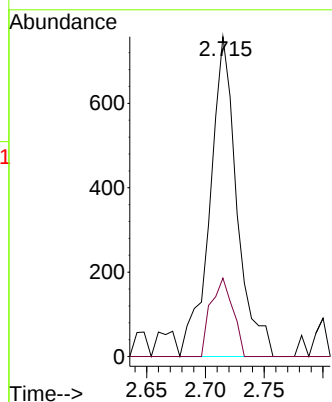
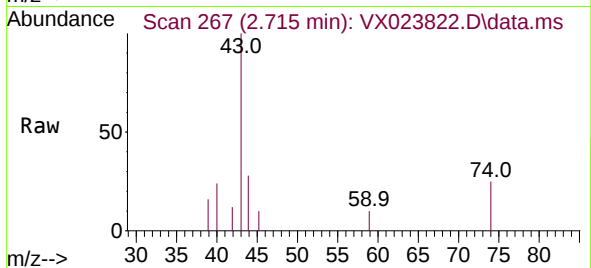




#18
Methyl Acetate
Concen: 0.586 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

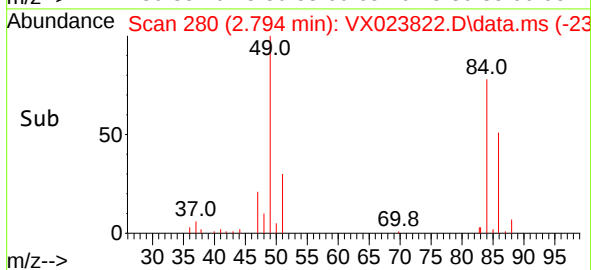
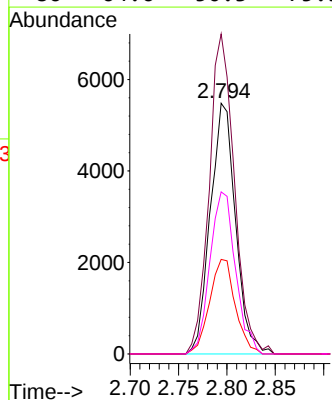
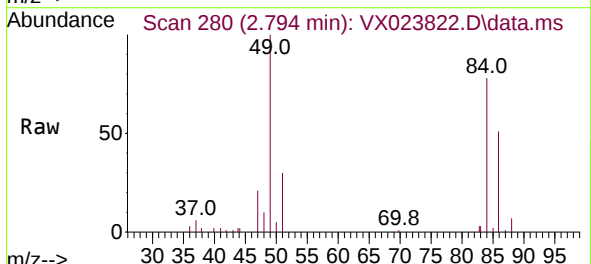
Instrument :
MSVOA_X
ClientSampled :

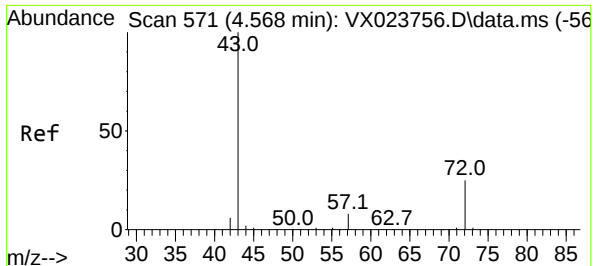
Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
74 20.0 21.9 32.9#



#20
Methylene Chloride
Concen: 6.274 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 84 Resp: 9935
Ion Ratio Lower Upper
84 100
49 127.6 88.6 132.8
51 37.7 27.0 40.6
86 64.6 50.3 75.5





#25

2-Butanone

Concen: 2.751 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023822.D

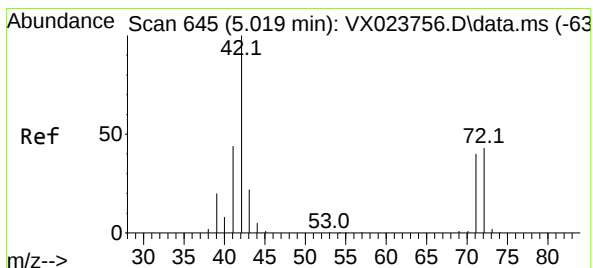
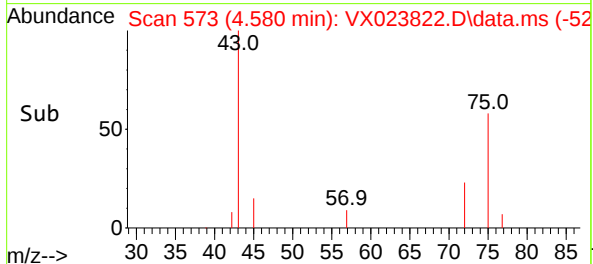
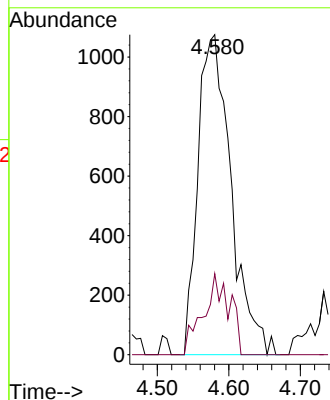
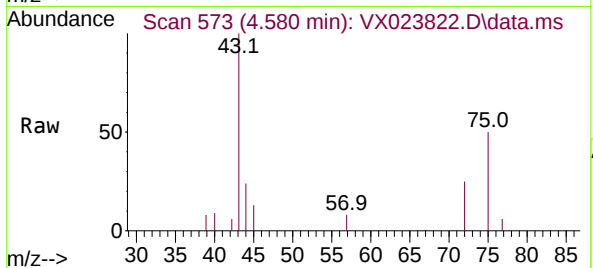
Acq: 18 Aug 2021 17:24

Tgt Ion: 43 Resp: 3454

Ion Ratio Lower Upper

43 100

72 25.3 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.834 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX023822.D

Acq: 18 Aug 2021 17:24

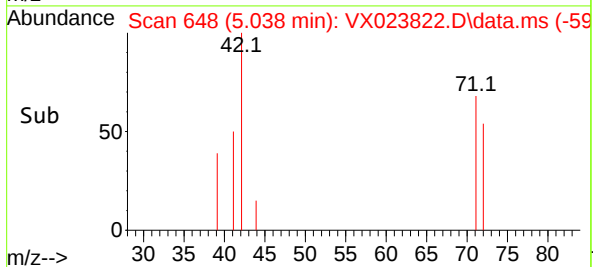
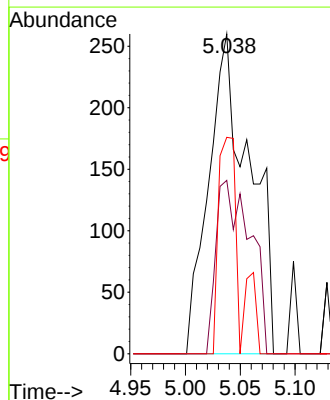
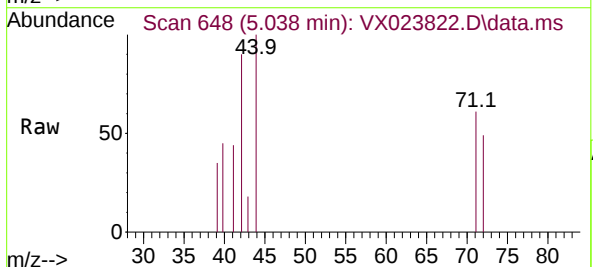
Tgt Ion: 42 Resp: 678

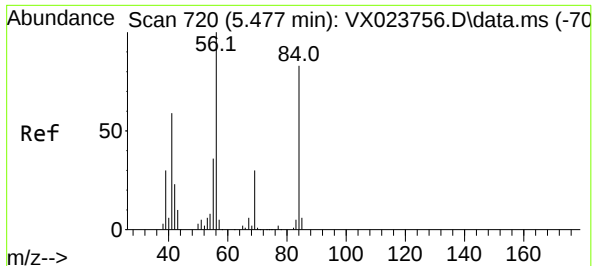
Ion Ratio Lower Upper

42 100

72 45.4 41.7 62.5

71 34.5 38.4 57.6#

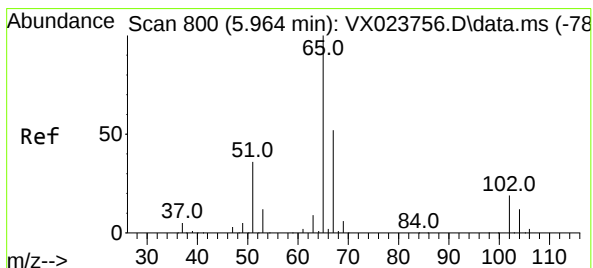
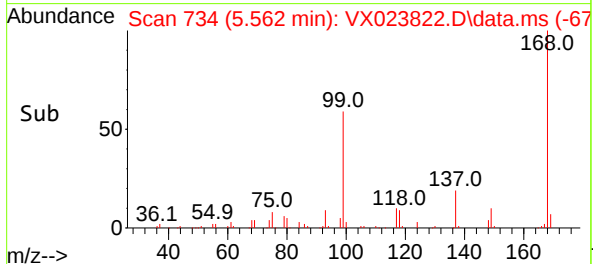
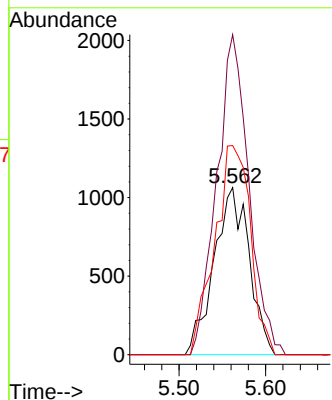
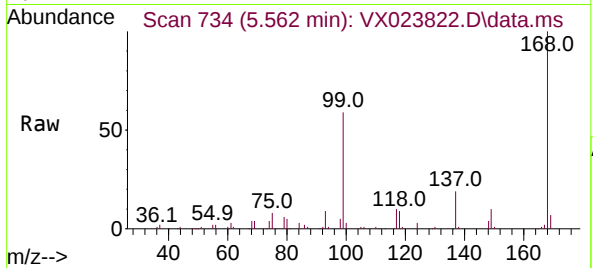




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

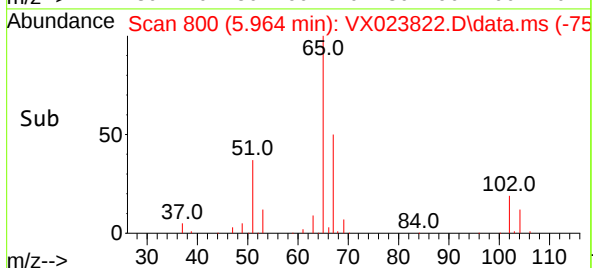
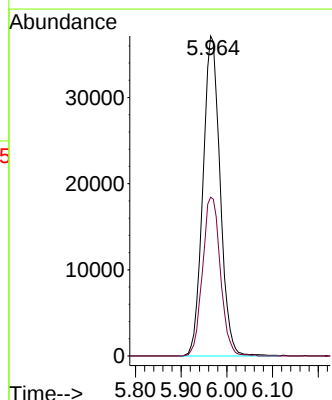
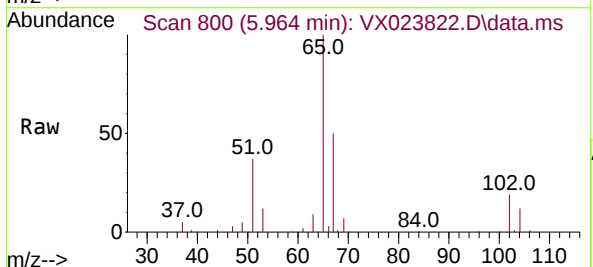
Instrument :
MSVOA_X
ClientSampleId :

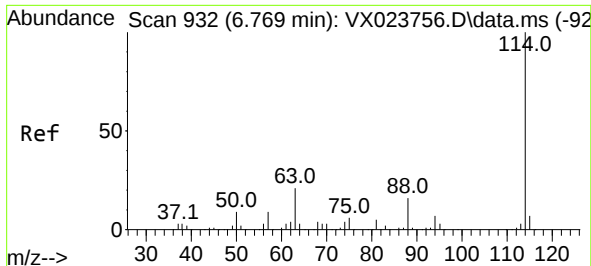
Tgt Ion: 56 Resp: 2997
Ion Ratio Lower Upper
56 100
69 191.6 25.3 37.9#
84 125.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.403 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 65 Resp: 97158
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

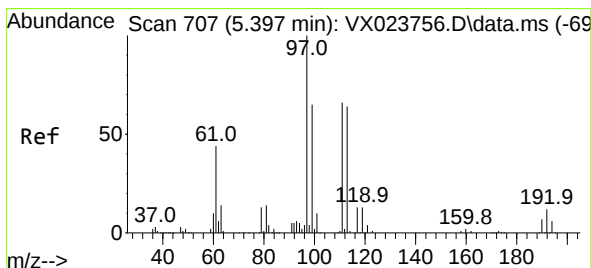
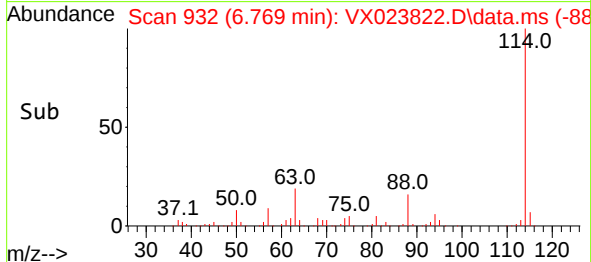
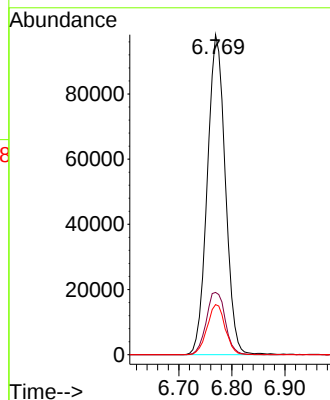
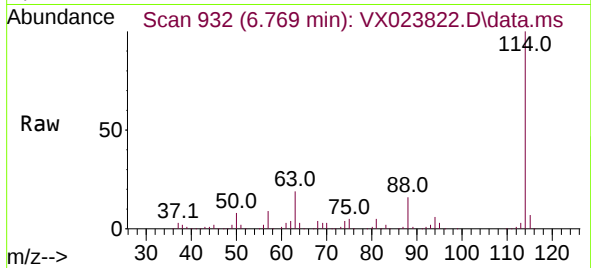




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

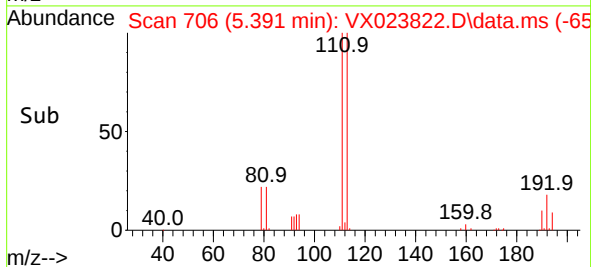
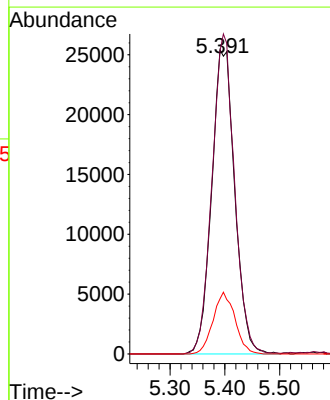
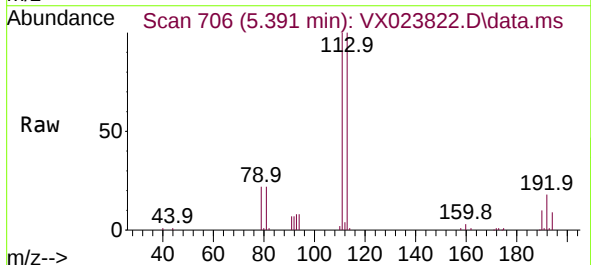
Instrument :
MSVOA_X
ClientSampleId :

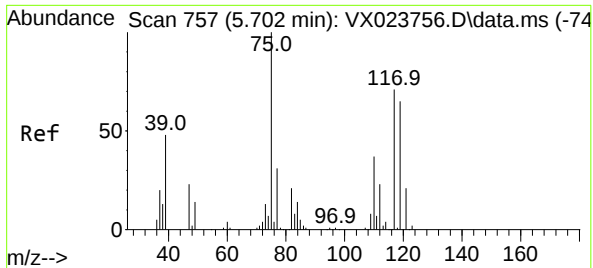
Tgt Ion:114 Resp: 231316
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.8
88 15.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.712 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion:113 Resp: 74579
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 19.2 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.947 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX023822.D

Acq: 18 Aug 2021 17:24

Tgt Ion: 75 Resp: 10598

Ion Ratio Lower Upper

75 100

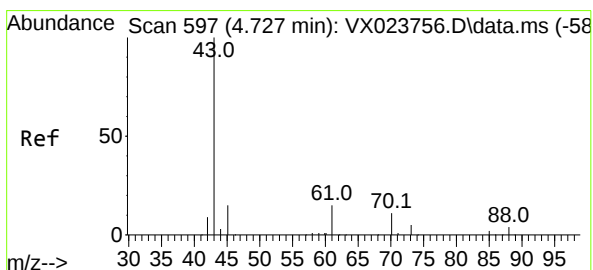
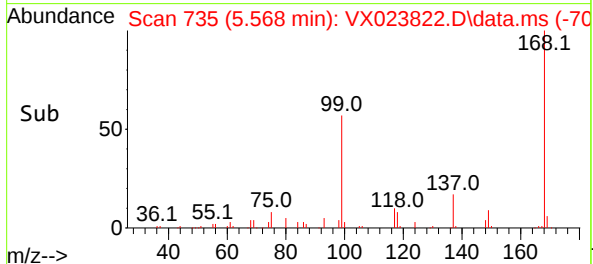
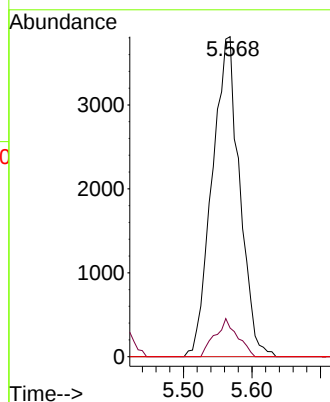
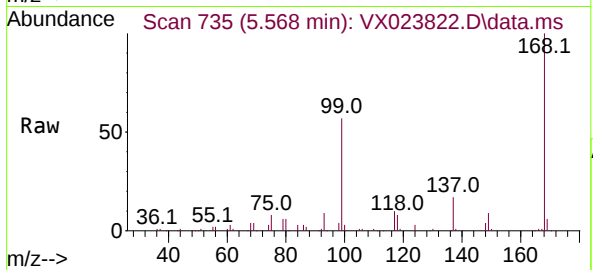
110 9.7 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :



#37

Ethyl Acetate

Concen: 0.202 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.006 min

Lab File: VX023822.D

Acq: 18 Aug 2021 17:24

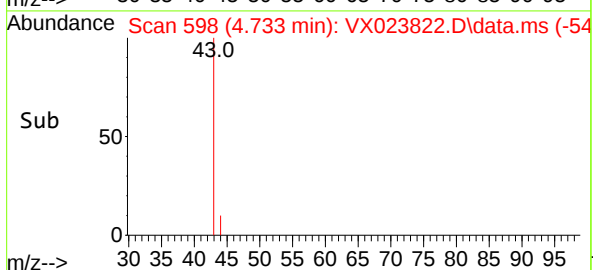
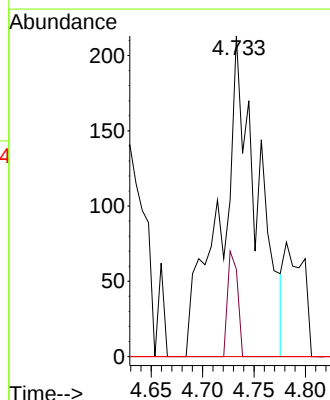
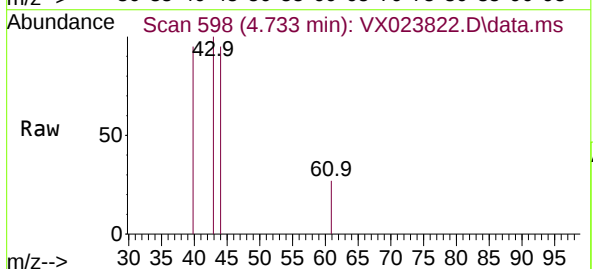
Tgt Ion: 43 Resp: 531

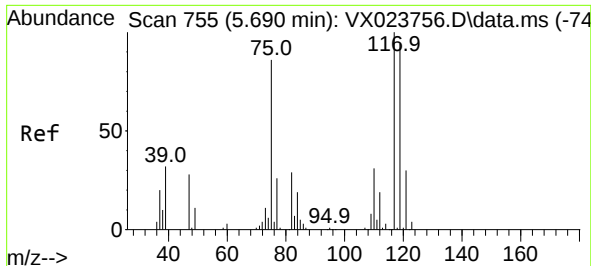
Ion Ratio Lower Upper

43 100

61 8.9 12.8 19.2#

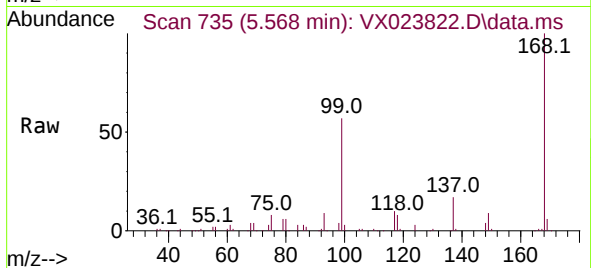
70 0.0 10.5 15.7#



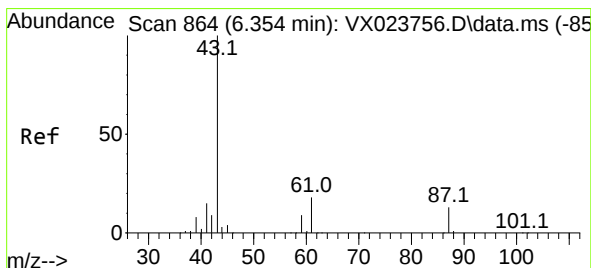
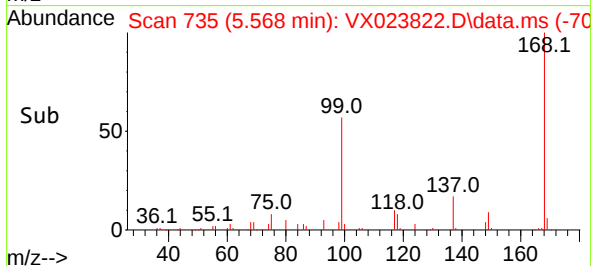
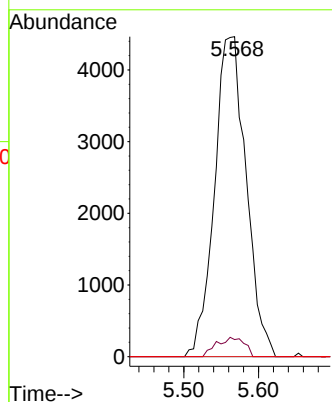


#38
Carbon Tetrachloride
Concen: 5.885 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Instrument :
MSVOA_X
ClientSampleId :

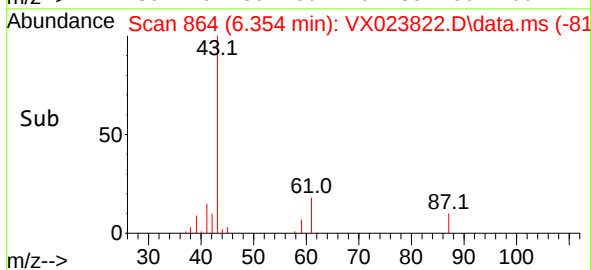
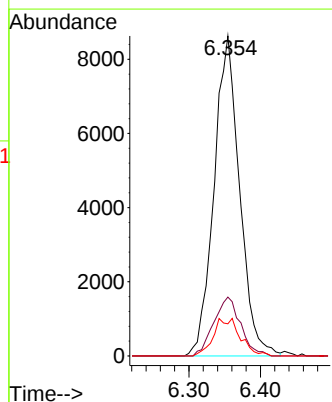
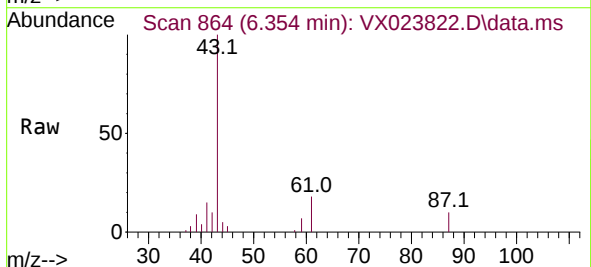


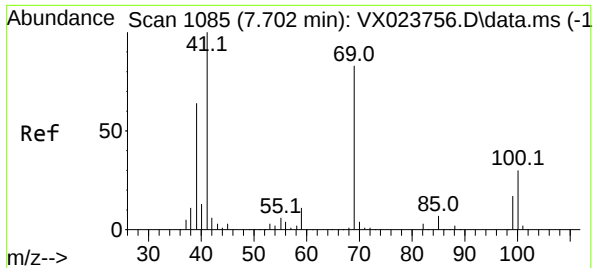
Tgt Ion:117 Resp: 13145
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 5.205 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 43 Resp: 21437
Ion Ratio Lower Upper
43 100
61 19.3 18.2 27.4
87 12.3 12.5 18.7#

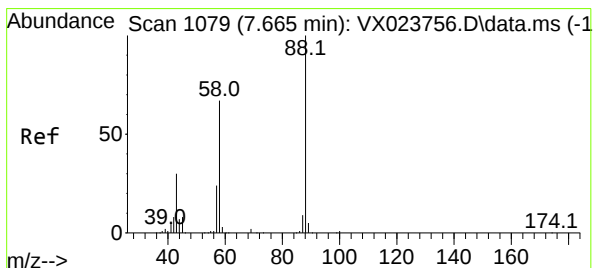
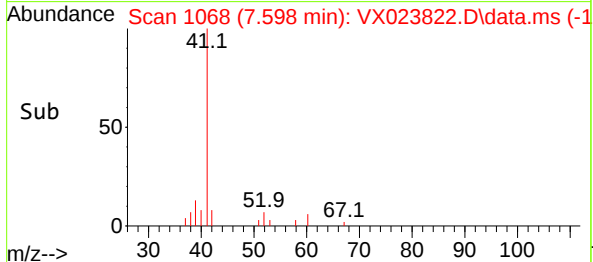
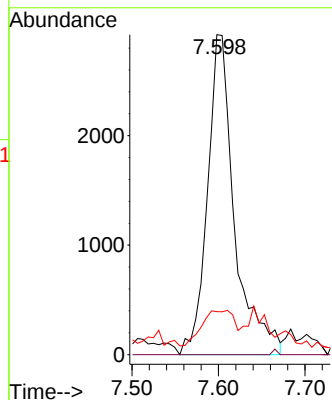
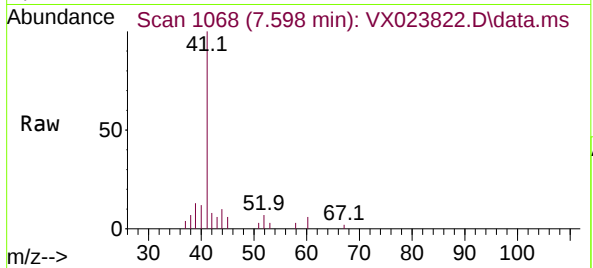




#48
Methyl methacrylate
Concen: 3.157 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.104 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

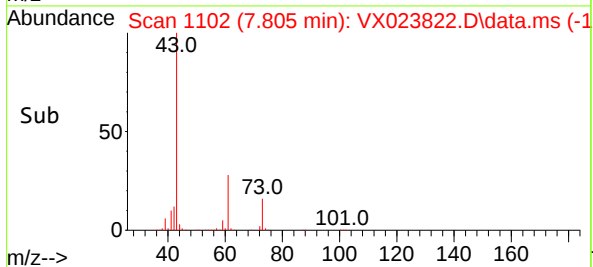
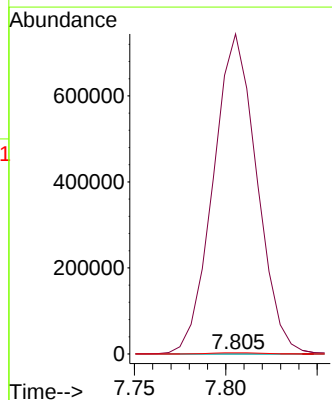
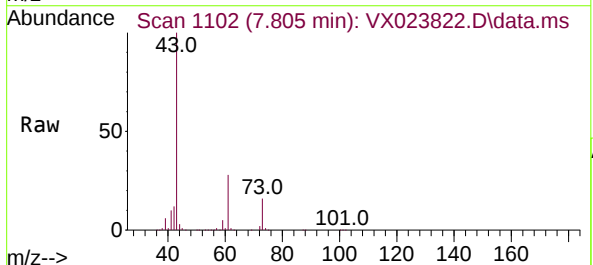
Instrument :
MSVOA_X
ClientSampleId :

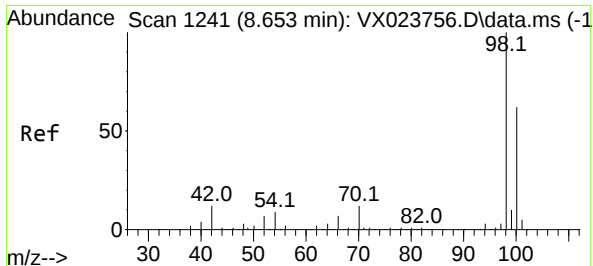
Tgt Ion: 41 Resp: 6344
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.663 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 88 Resp: 198
Ion Ratio Lower Upper
88 100
43 628070.7 23.2 34.8#
58 2865.7 55.0 82.4#

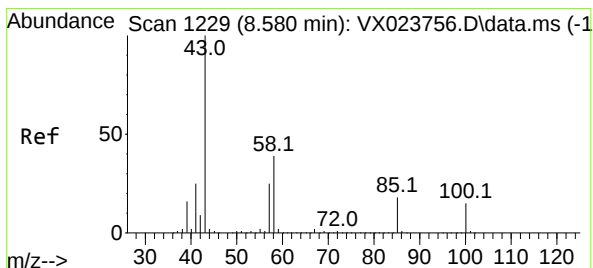
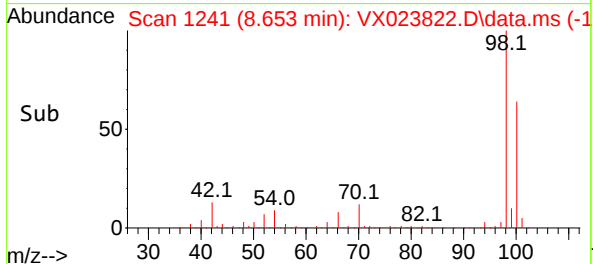
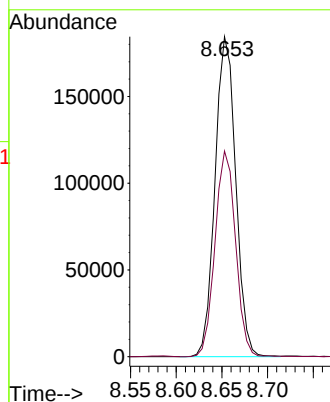
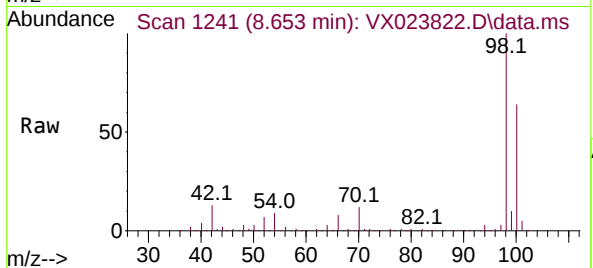




#50
Toluene-d8
Concen: 49.809 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

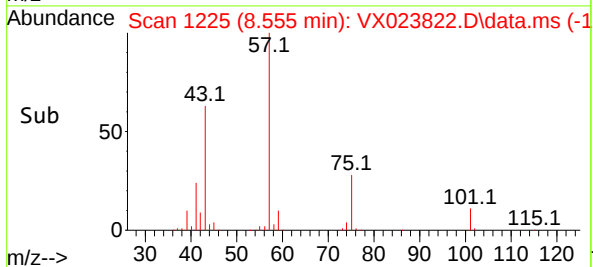
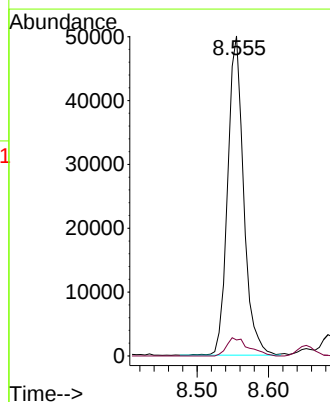
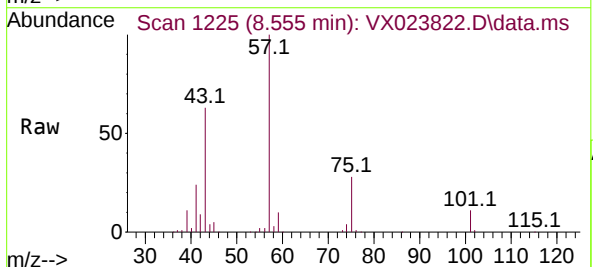
Instrument :
MSVOA_X
ClientSampled :

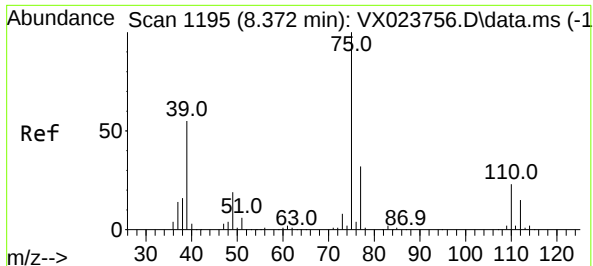
Tgt Ion: 98 Resp: 290243
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.143 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 43 Resp: 77592
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#

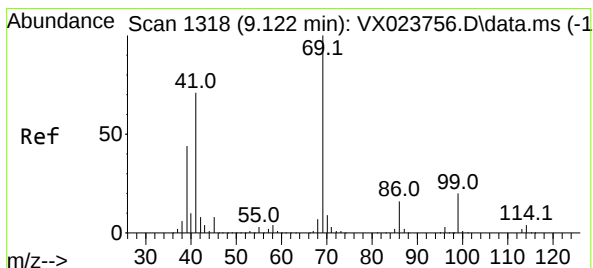
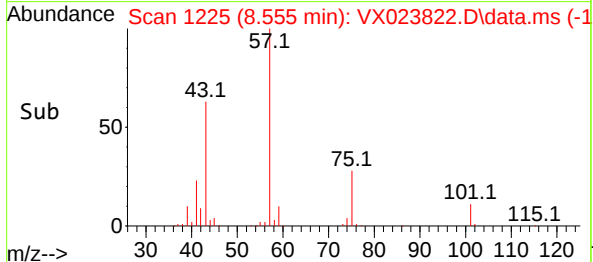
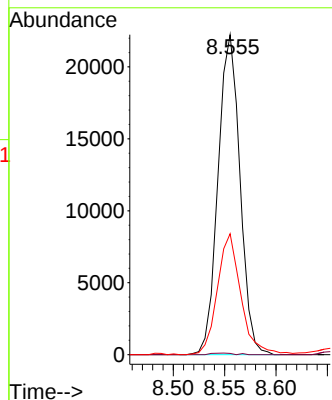
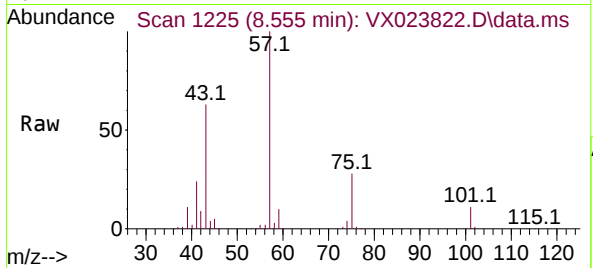




#54
cis-1,3-Dichloropropene
Concen: 12.827 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

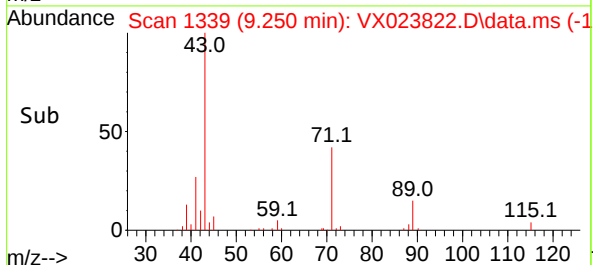
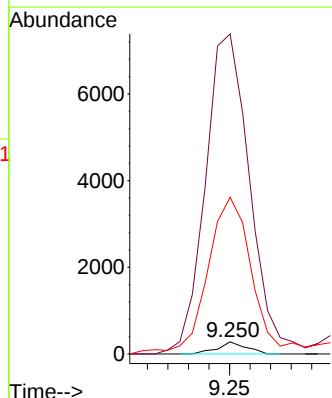
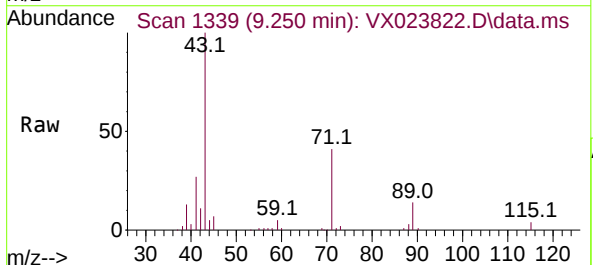
Instrument :
MSVOA_X
ClientSampled :

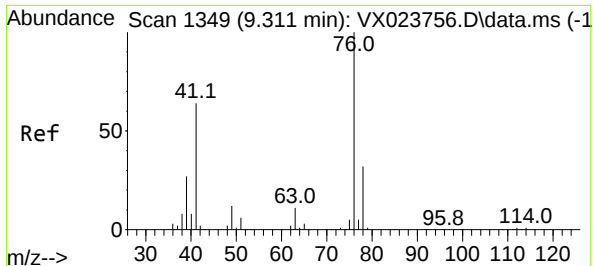
Tgt Ion: 75 Resp: 32912
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 37.8 35.1 52.7



#56
Ethyl methacrylate
Concen: 0.851 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.128 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 69 Resp: 269
Ion Ratio Lower Upper
69 100
41 4117.1 46.8 70.2#
39 2013.4 24.7 37.1#



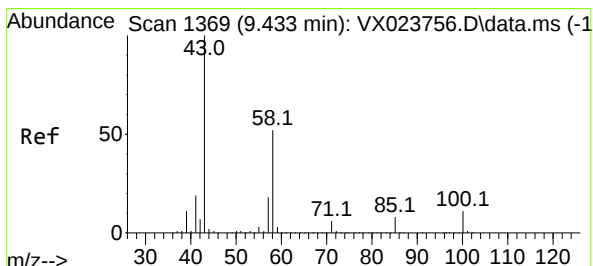
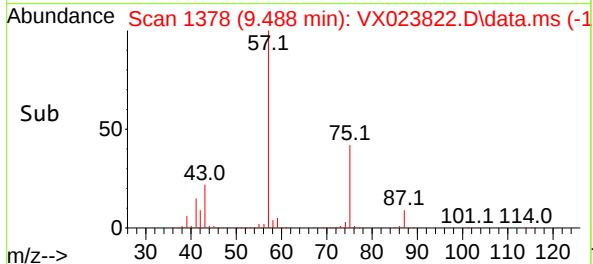
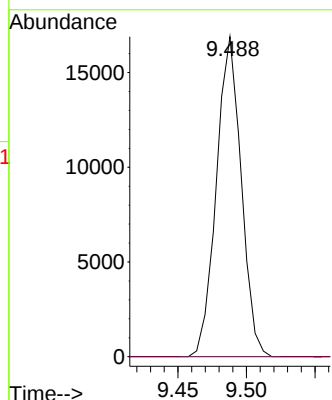
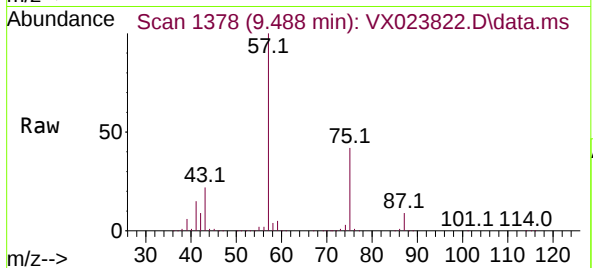


#57

1,3-Dichloropropane
Concen: 7.588 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Instrument :
MSVOA_X
ClientSampleId :

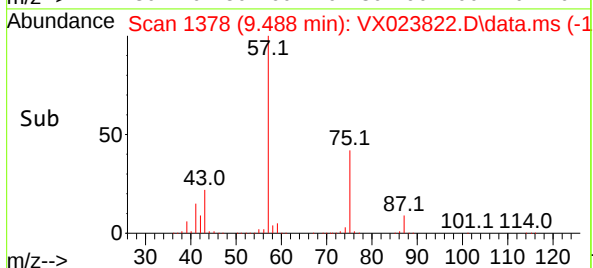
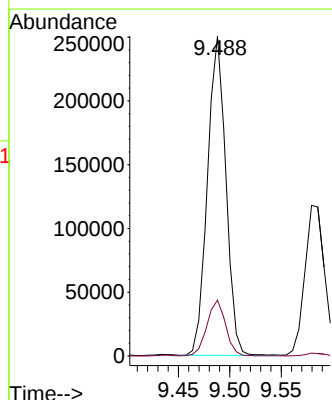
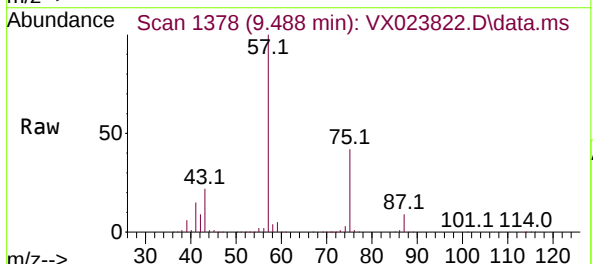
Tgt Ion: 76 Resp: 21267
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

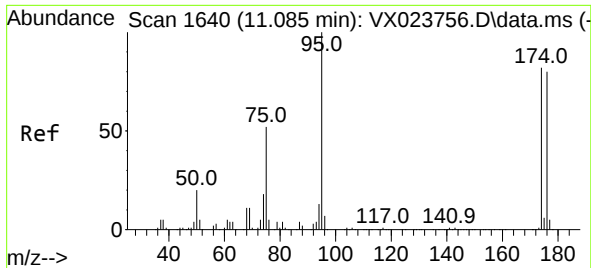


#59

2-Hexanone
Concen: 152.592 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 43 Resp: 312289
Ion Ratio Lower Upper
43 100
58 17.8 30.9 92.8#

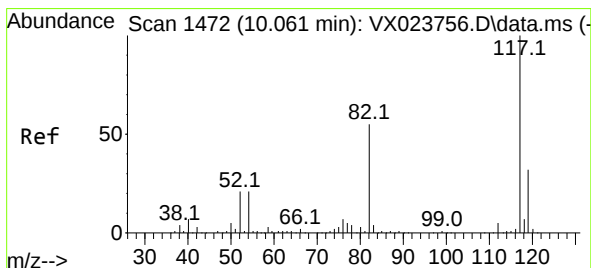
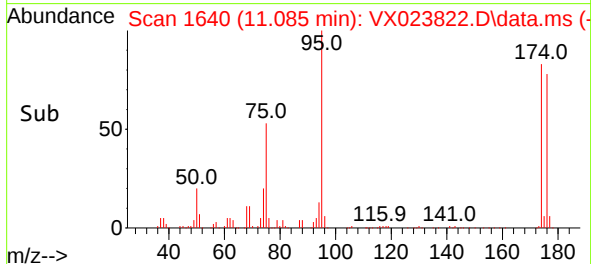
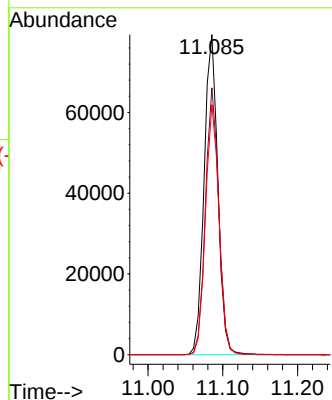
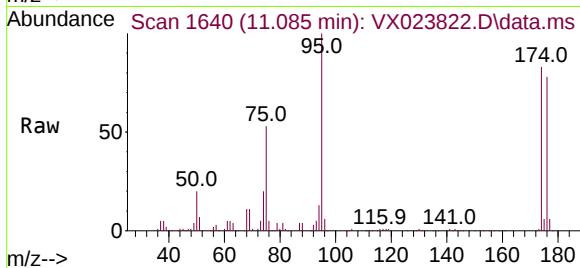




#62
4-Bromofluorobenzene
Concen: 47.058 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

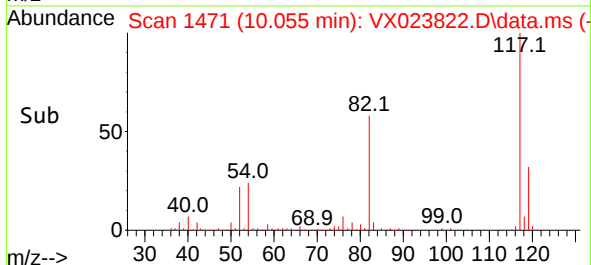
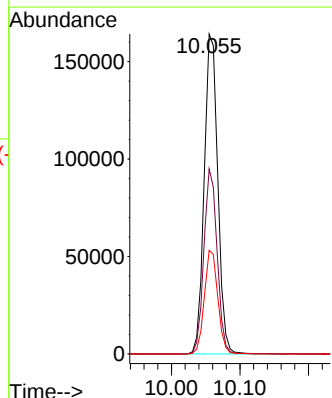
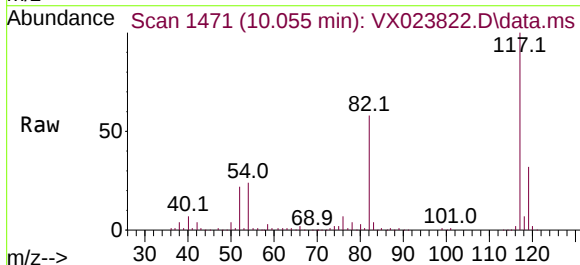
Instrument :
MSVOA_X
ClientSampleId :

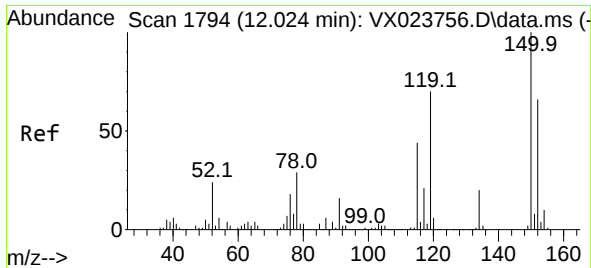
Tgt Ion: 95 Resp: 100946
Ion Ratio Lower Upper
95 100
174 81.5 0.0 154.6
176 77.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 117 Resp: 226720
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.3 26.6 39.8

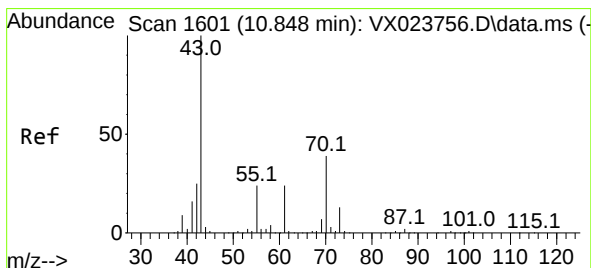
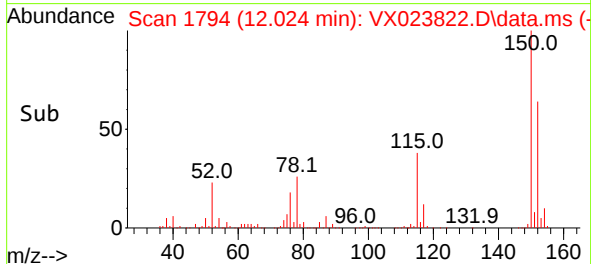
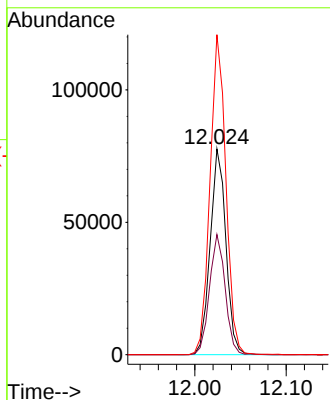
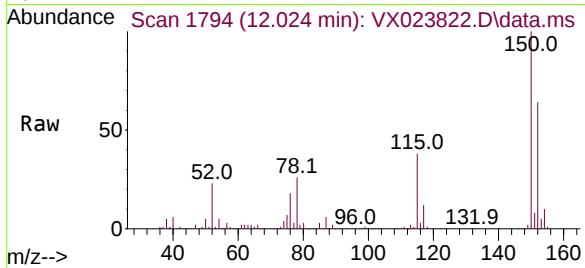




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

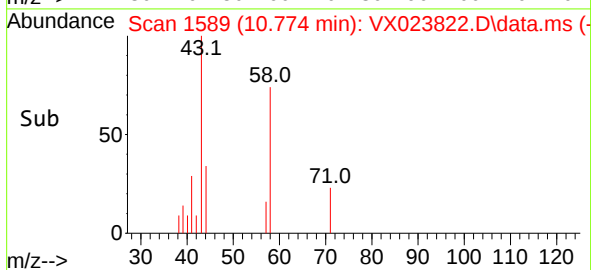
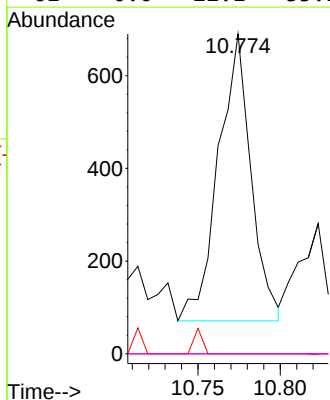
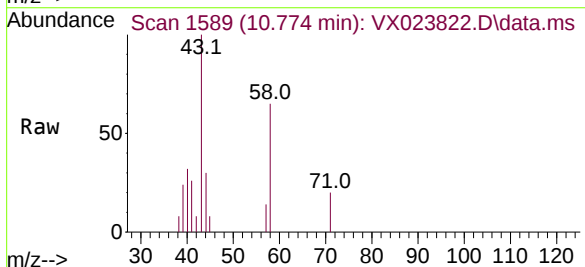
Instrument :
MSVOA_X
ClientSampled :

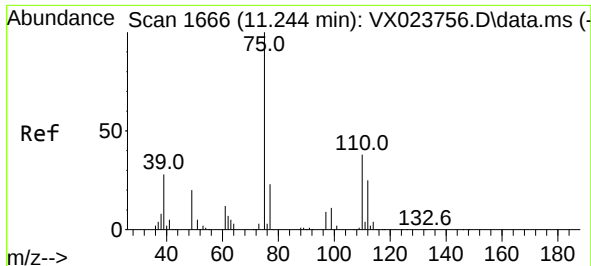
Tgt Ion:152 Resp: 92724
Ion Ratio Lower Upper
152 100
115 58.2 41.1 123.3
150 156.6 0.0 349.0



#74
N-ethyl acetate
Concen: 0.267 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

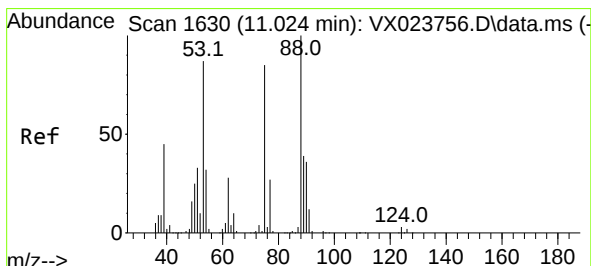
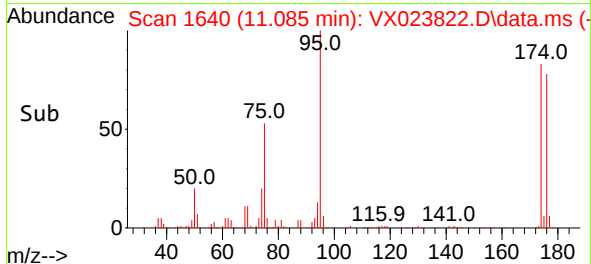
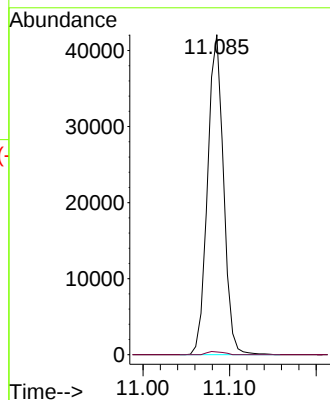
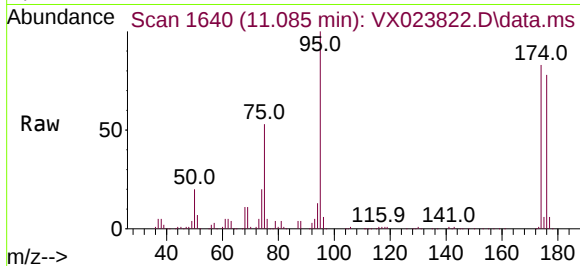




#76
1,2,3-Trichloropropane
Concen: 24.912 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

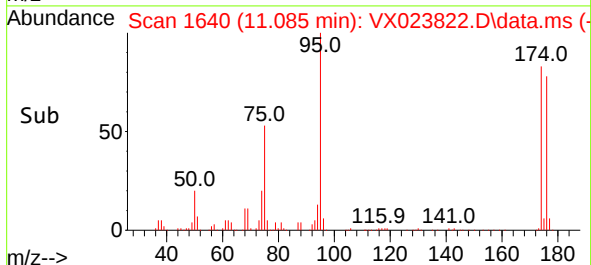
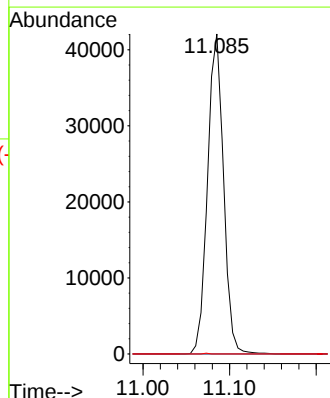
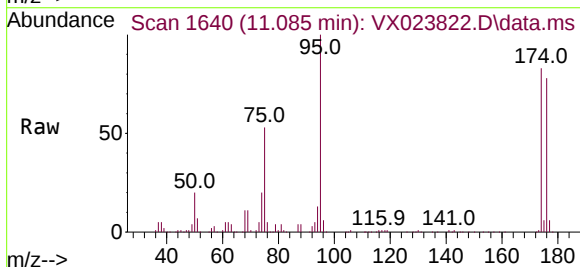
Instrument :
MSVOA_X
ClientSampled :

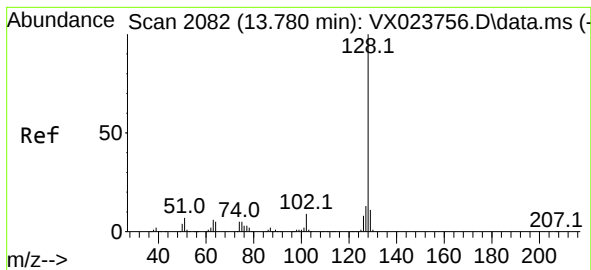
Tgt Ion: 75 Resp: 53885
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.280 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

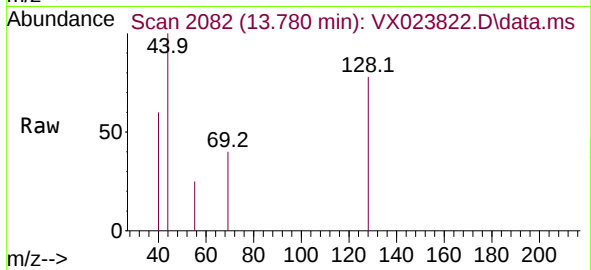
Tgt Ion: 75 Resp: 53885
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 1.312 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023822.D
Acq: 18 Aug 2021 17:24

Instrument :
MSVOA_X
ClientSampleId :



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

