

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033804.D
 Acq On : 19 Jan 2023 16:20
 Operator : JC/MD
 Sample : 01214-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 20 05:22:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

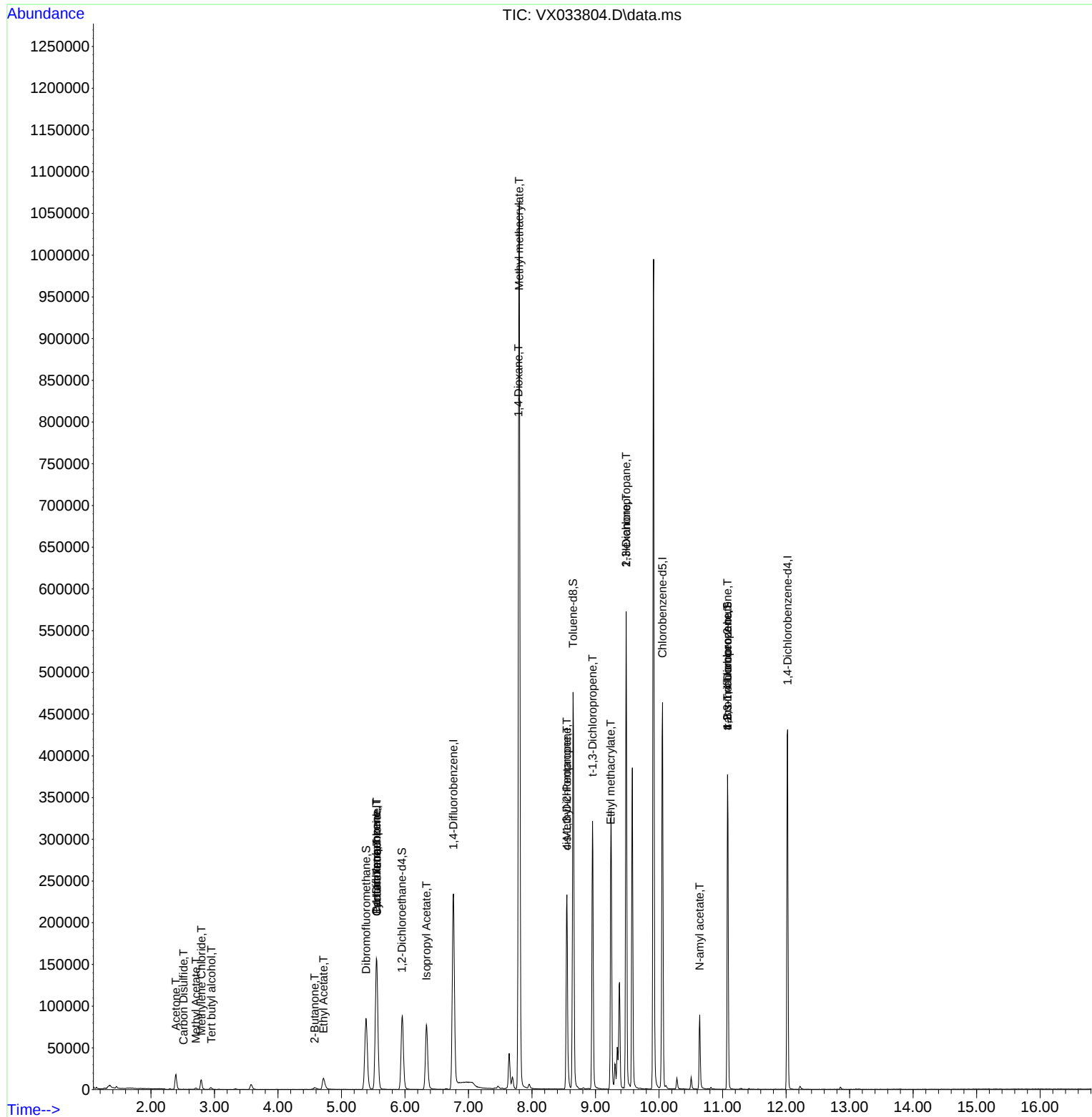
Internal Standards						
1) Pentafluorobenzene	5.550	168	169857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	248922	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83737	46.821	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.640%		
35) Dibromofluoromethane	5.385	113	74972	48.505	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.000%		
50) Toluene-d8	8.647	98	284466	50.511	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.020%		
62) 4-Bromofluorobenzene	11.079	95	96360	46.084	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1400	4.506	ug/l #	86
16) Acetone	2.392	43	22992	24.185	ug/l	92
17) Carbon Disulfide	2.514	76	230	1.886	ug/l #	76
18) Methyl Acetate	2.709	43	2404	0.963	ug/l #	89
20) Methylene Chloride	2.794	84	5830	1.309	ug/l #	93
25) 2-Butanone	4.574	43	3311	2.833	ug/l #	84
31) Cyclohexane	5.556	56	2610	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10707	4.746	ug/l #	48
37) Ethyl Acetate	4.715	43	24693	9.136	ug/l	98
38) Carbon Tetrachloride	5.556	117	14401	6.164	ug/l #	16
43) Isopropyl Acetate	6.336	43	107548	30.199	ug/l	99
48) Methyl methacrylate	7.799	41	89995	50.166	ug/l #	44
49) 1,4-Dioxane	7.787	88	122	3.074	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	80863	36.972	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	802	0.362	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	38743	15.594	ug/l #	60
56) Ethyl methacrylate	9.238	69	636	0.269	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4979	1.827	ug/l #	43
59) 2-Hexanone	9.482	43	66777	43.866	ug/l #	50
73) Isopropylbenzene	11.079	105	65	Below Cal	#	48
74) N-amyl acetate	10.640	43	24024	8.891	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	44679	23.631	ug/l #	34
79) 2-Chlorotoluene	11.311	91	63	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	44679	73.443	ug/l #	8
82) 4-Chlorotoluene	11.457	91	45	Below Cal	#	43

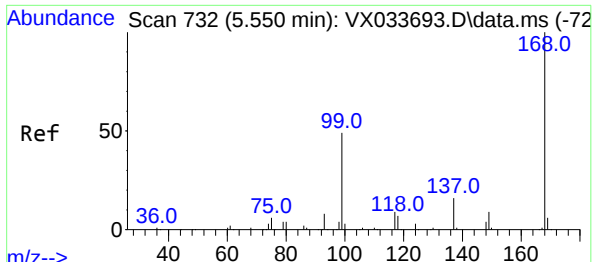
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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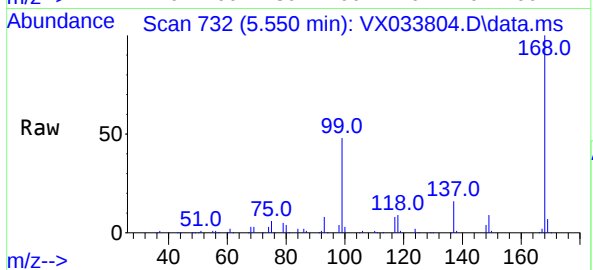
Quant Time: Jan 20 05:22:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
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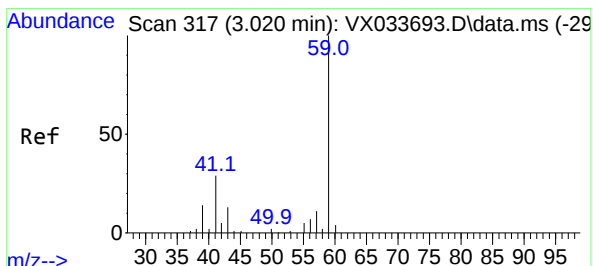
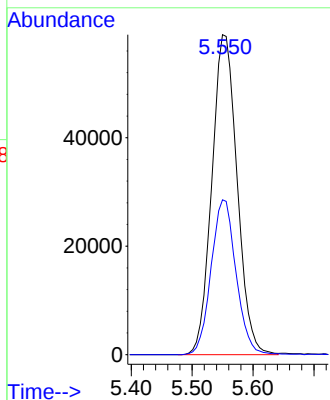
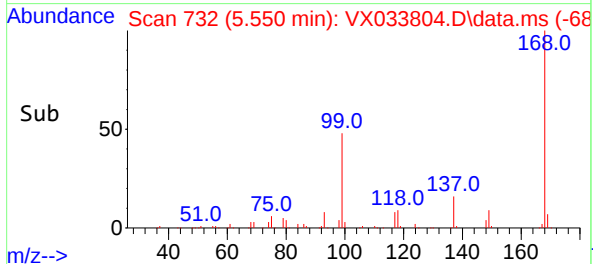


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

Instrument :
MSVOA_X
ClientSampleId :

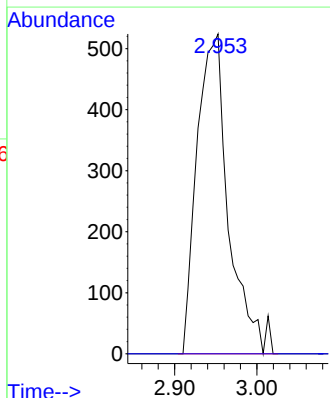
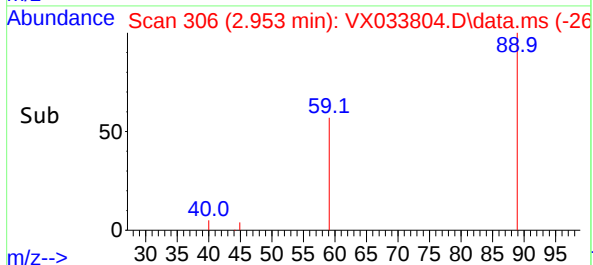
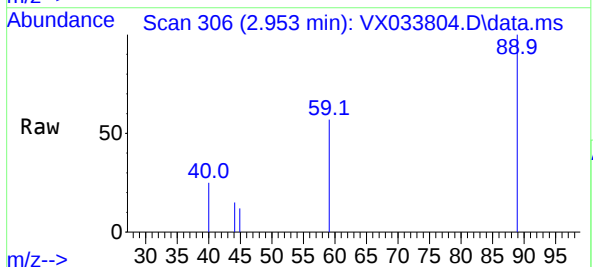


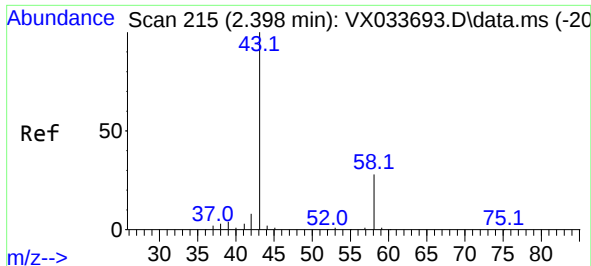
Tgt Ion:168 Resp: 169857
Ion Ratio Lower Upper
168 100
99 48.4 39.6 59.4



#11
Tert butyl alcohol
Concen: 4.506 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.067 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

Tgt Ion: 59 Resp: 1400
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

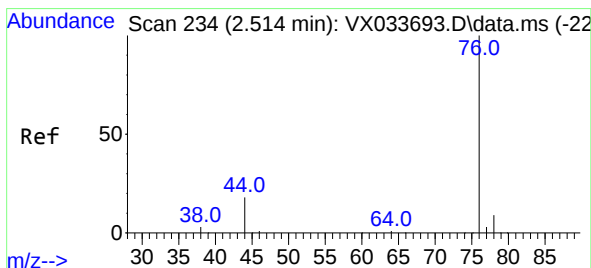
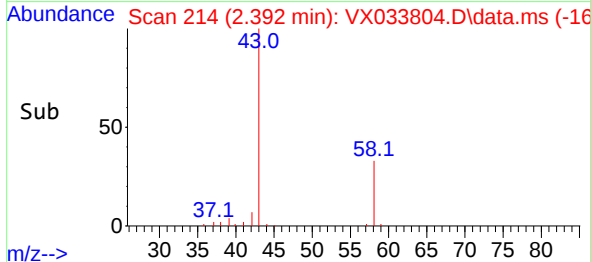
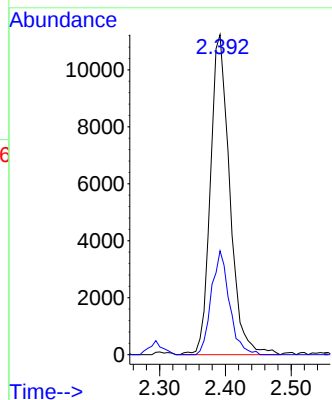
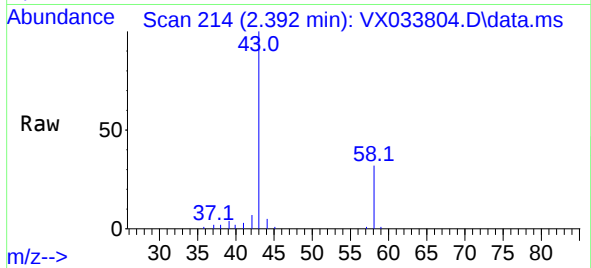




#16
Acetone
Concen: 24.185 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

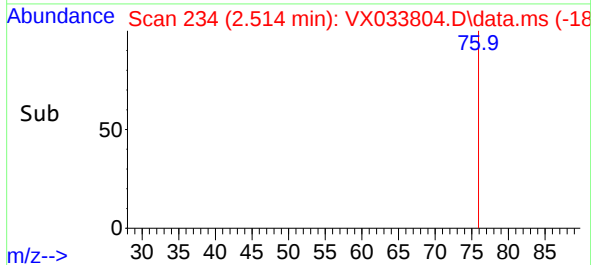
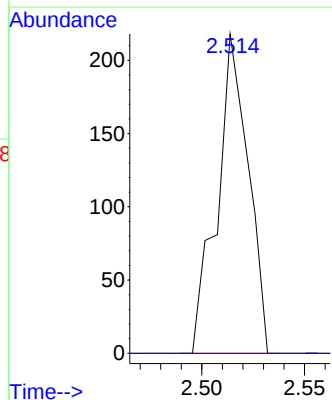
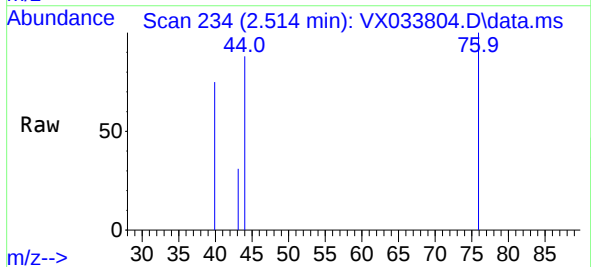
Instrument :
MSVOA_X
ClientSampleId :

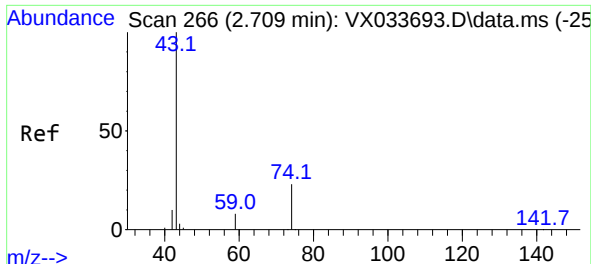
Tgt Ion: 43 Resp: 22992
Ion Ratio Lower Upper
43 100
58 32.4 22.6 33.8



#17
Carbon Disulfide
Concen: 1.886 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

Tgt Ion: 76 Resp: 230
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 0.963 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

Instrument :

MSVOA_X

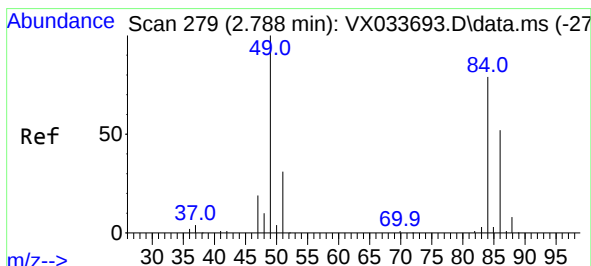
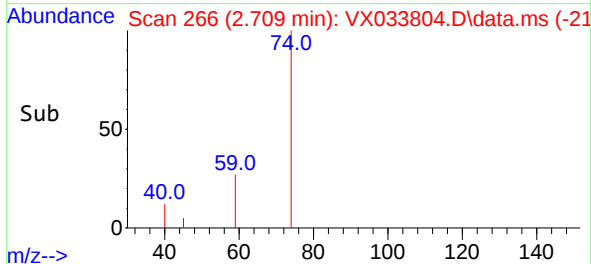
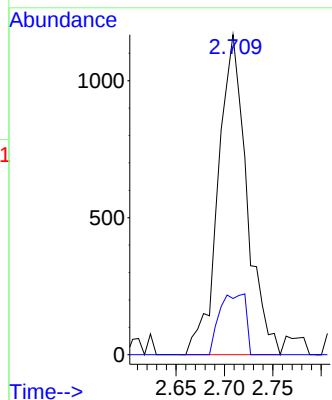
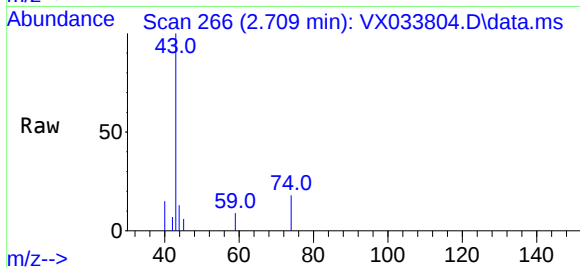
ClientSampleId :

Tgt Ion: 43 Resp: 2404

Ion Ratio Lower Upper

43 100

74 17.3 18.2 27.4#



#20

Methylene Chloride

Concen: 1.309 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

Tgt Ion: 84 Resp: 5830

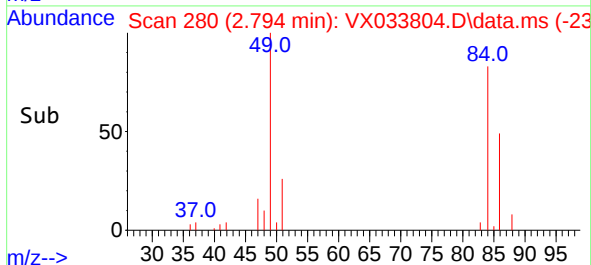
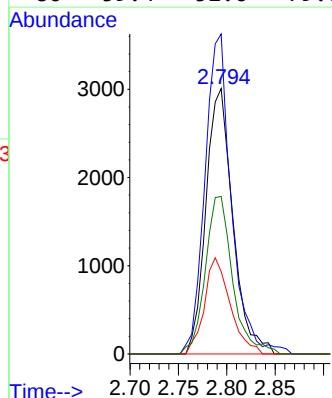
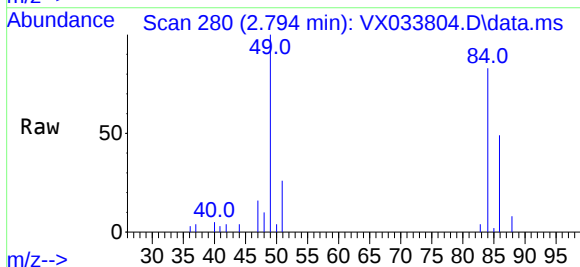
Ion Ratio Lower Upper

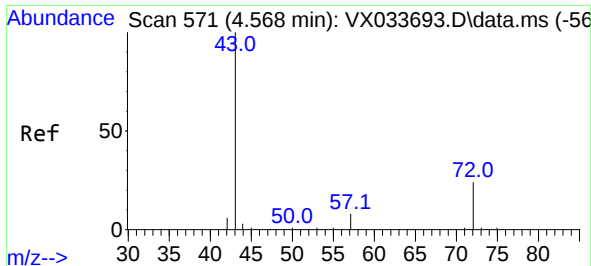
84 100

49 120.6 101.1 151.7

51 31.0 31.0 46.6#

86 59.4 52.6 79.0

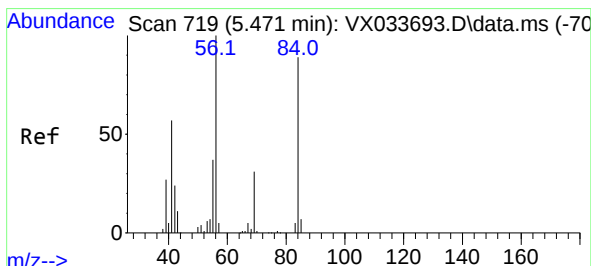
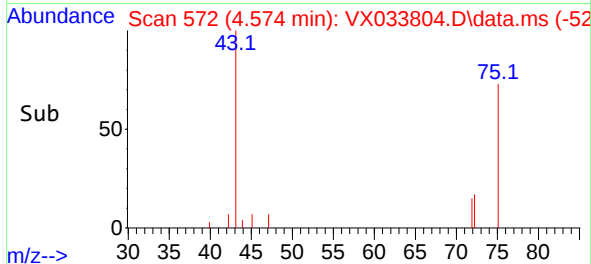
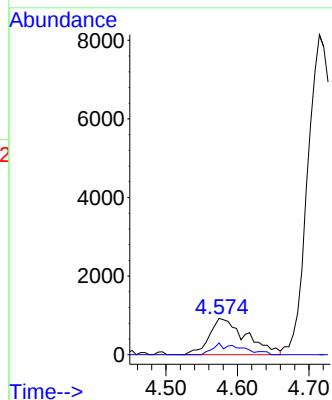
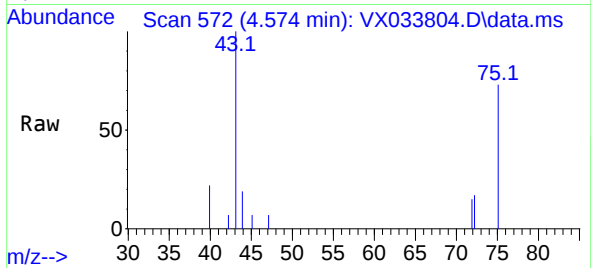




#25
2-Butanone
Concen: 2.833 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

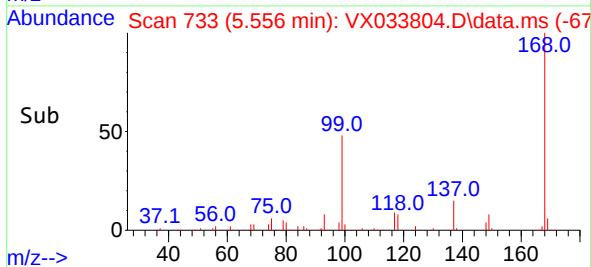
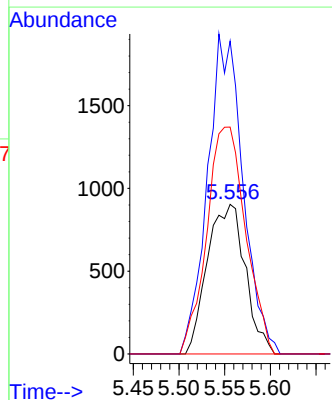
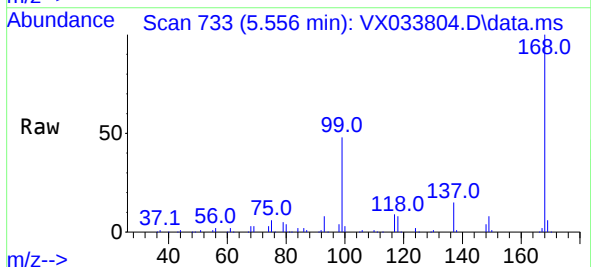
Instrument :
MSVOA_X
ClientSampleId :

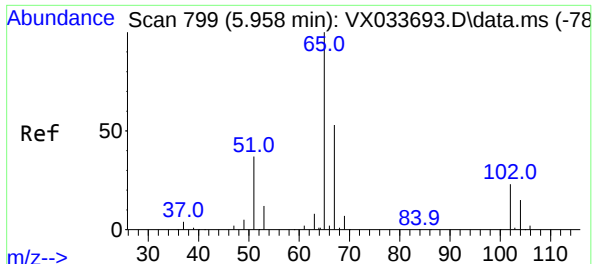
Tgt Ion: 43 Resp: 3311
Ion Ratio Lower Upper
43 100
72 32.2 19.4 29.2#



#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

Tgt Ion: 56 Resp: 2610
Ion Ratio Lower Upper
56 100
69 209.1 24.6 37.0#
84 151.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.821 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

Instrument :

MSVOA_X

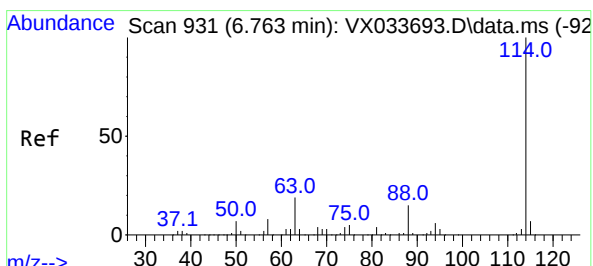
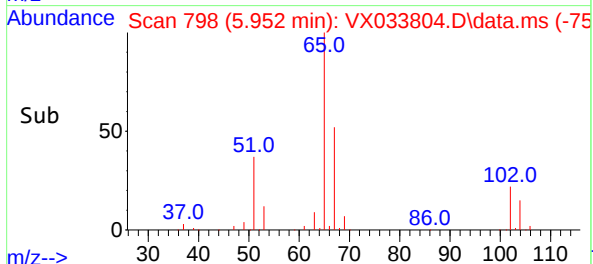
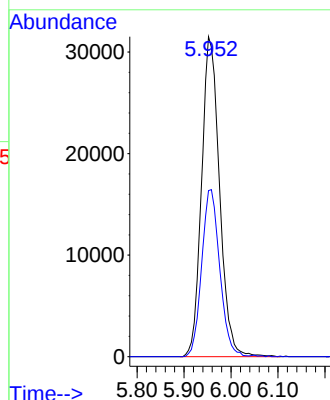
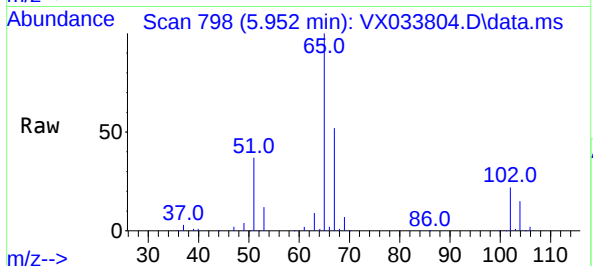
ClientSampleId :

Tgt Ion: 65 Resp: 83737

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

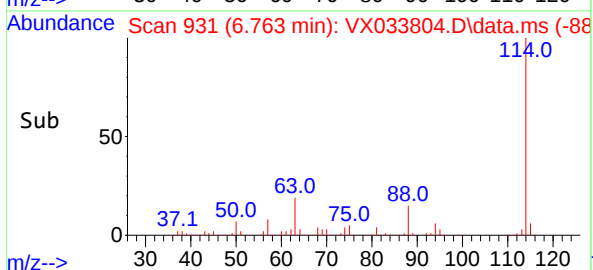
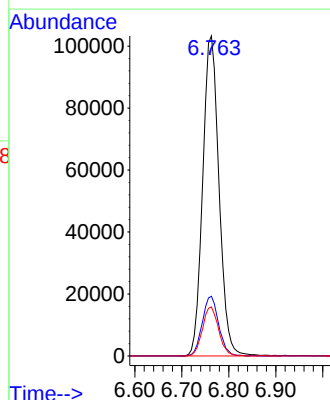
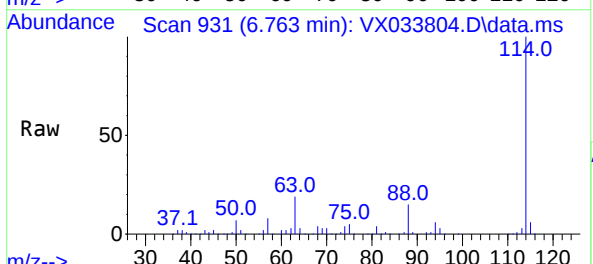
Tgt Ion: 114 Resp: 248922

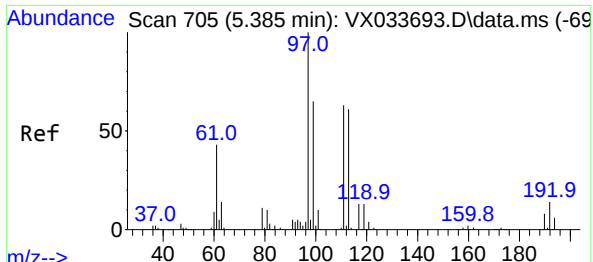
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.4

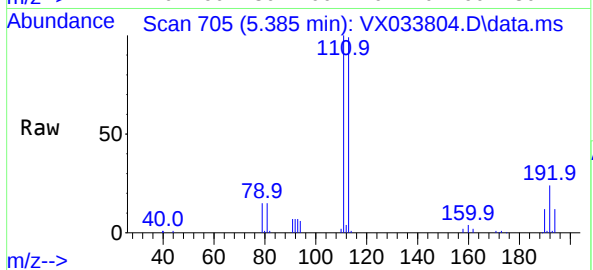
88 15.4 0.0 30.6



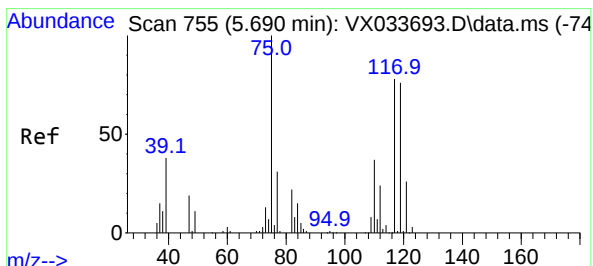
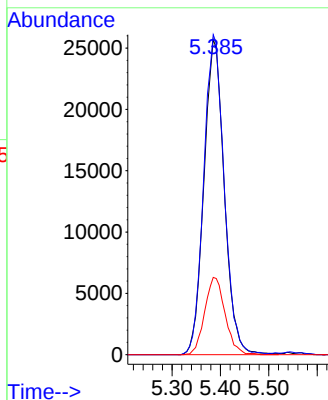
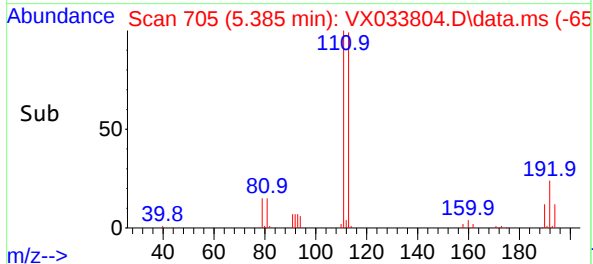


#35
Dibromofluoromethane
Concen: 48.505 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

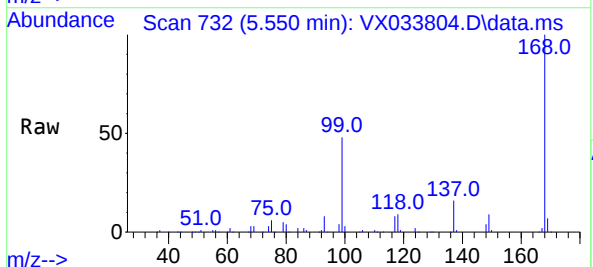
Instrument :
MSVOA_X
ClientSampleId :



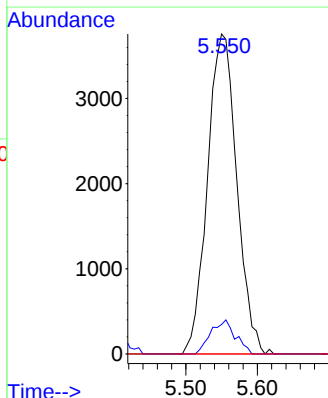
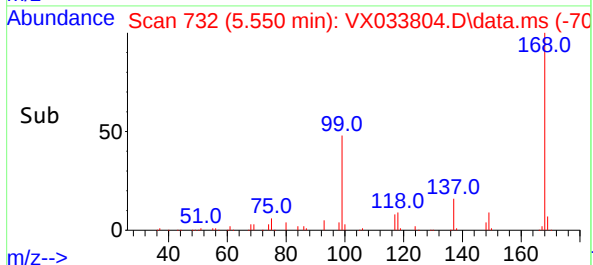
Tgt Ion:113 Resp: 74972
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.6
192 24.7 19.0 28.4

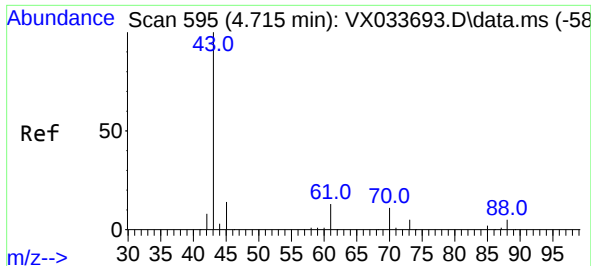


#36
1,1-Dichloropropene
Concen: 4.746 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20



Tgt Ion: 75 Resp: 10707
Ion Ratio Lower Upper
75 100
110 8.9 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 9.136 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

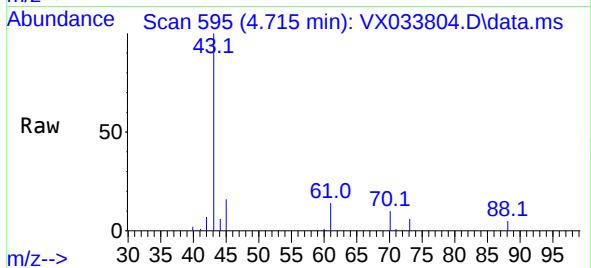
Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

Instrument :

MSVOA_X

ClientSampleId :



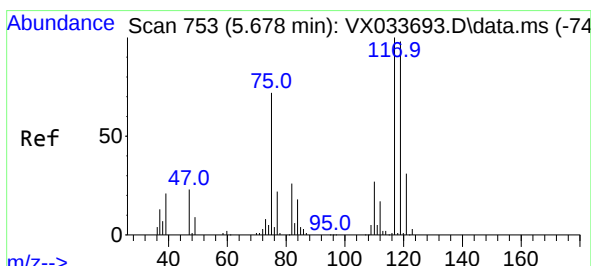
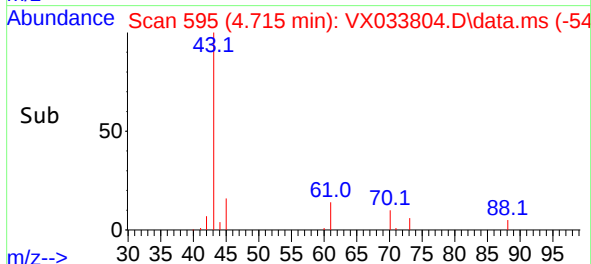
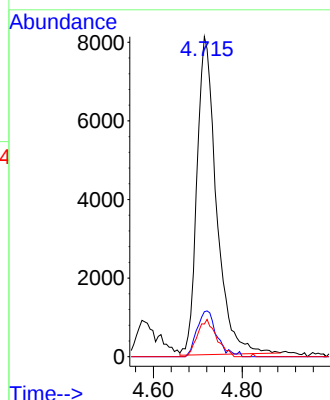
Tgt Ion: 43 Resp: 24693

Ion Ratio Lower Upper

43 100

61 14.7 11.1 16.7

70 11.4 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.164 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

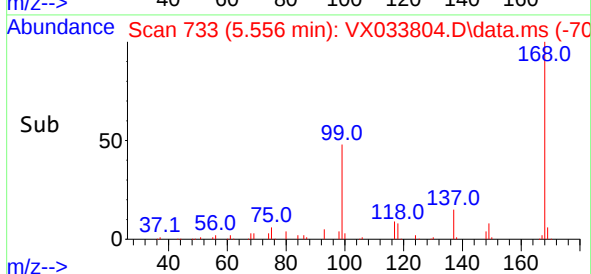
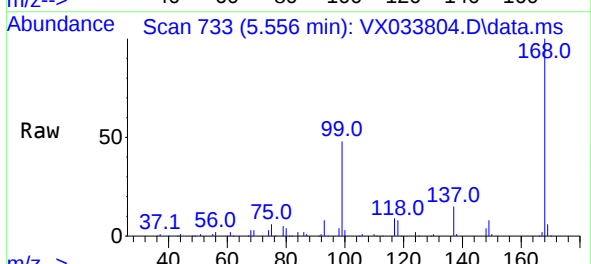
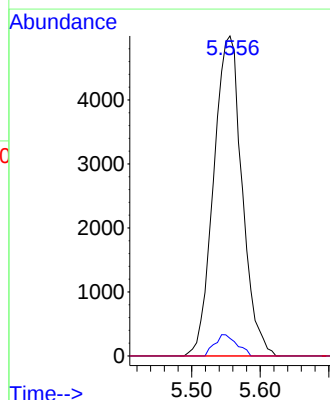
Tgt Ion: 117 Resp: 14401

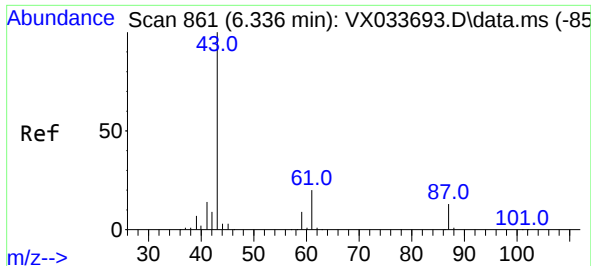
Ion Ratio Lower Upper

117 100

119 5.5 78.0 117.0#

121 0.0 24.4 36.6#

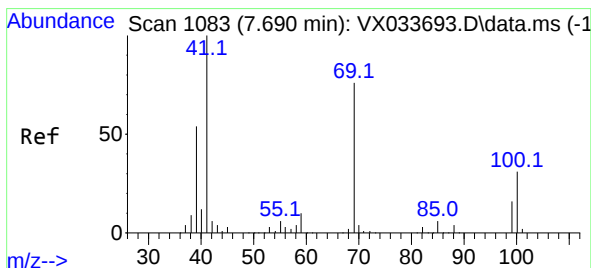
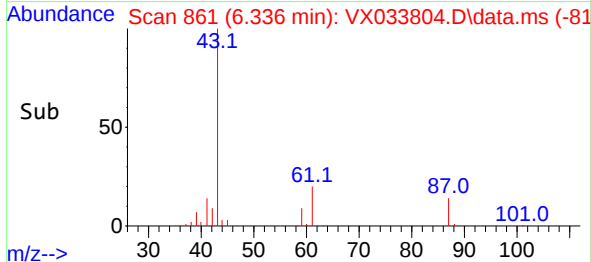
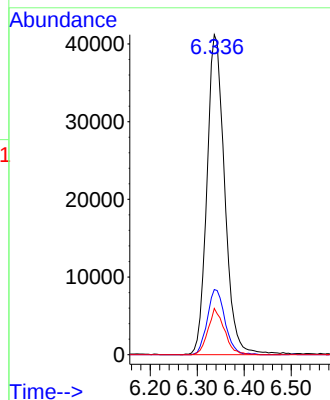
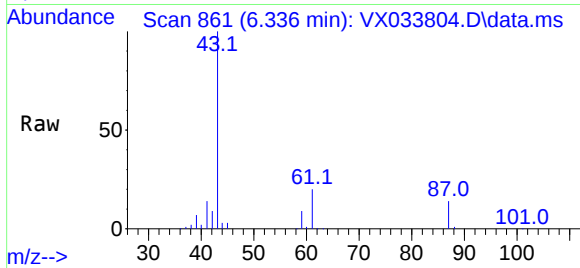




#43
Isopropyl Acetate
Concen: 30.199 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

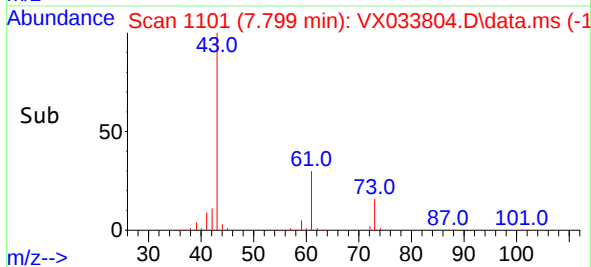
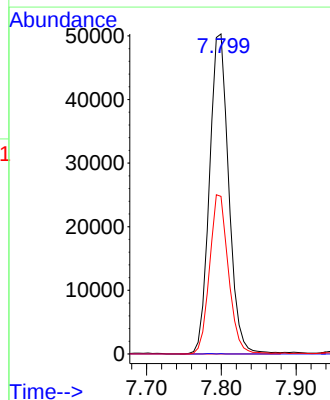
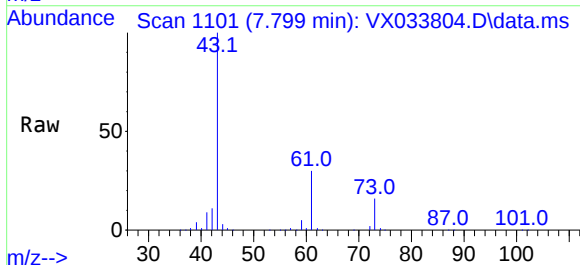
Instrument :
MSVOA_X
ClientSampleId :

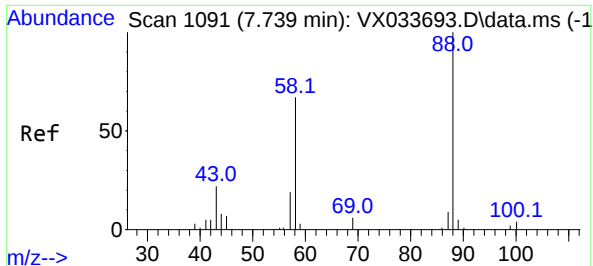
Tgt Ion: 43 Resp: 107548
Ion Ratio Lower Upper
43 100
61 20.5 15.7 23.5
87 13.3 10.6 15.8



#48
Methyl methacrylate
Concen: 50.166 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

Tgt Ion: 41 Resp: 89995
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 49.0 43.2 64.8





#49

1,4-Dioxane

Concen: 3.074 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.049 min

Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

Instrument :

MSVOA_X

ClientSampleId :

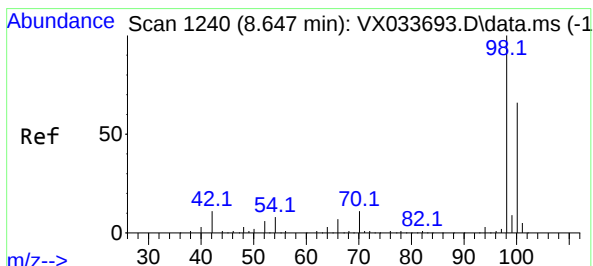
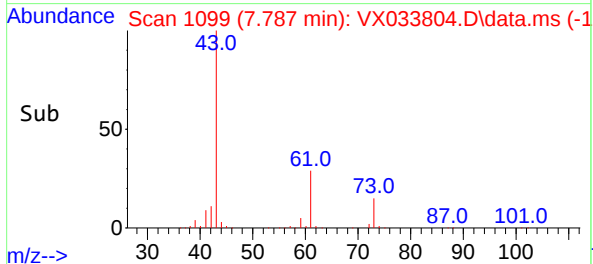
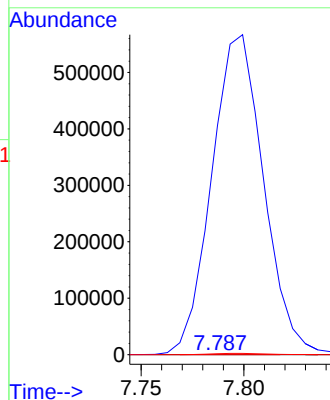
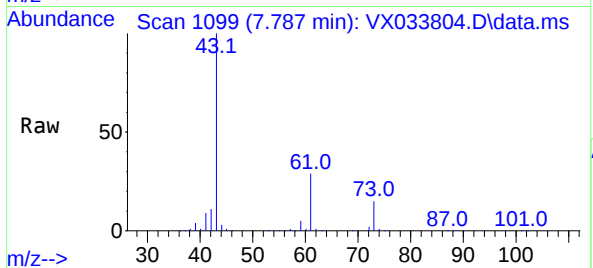
Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 823376.2 0.0 0.0#

58 3476.2 56.5 84.7#



#50

Toluene-d8

Concen: 50.511 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033804.D

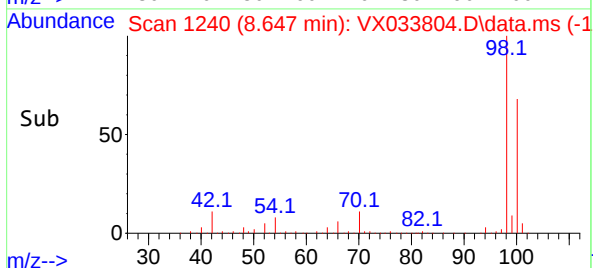
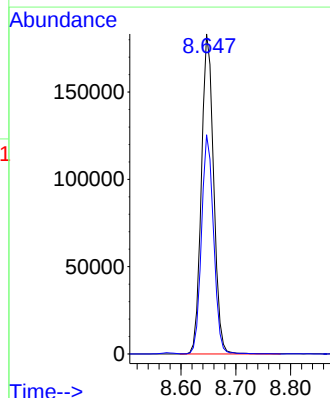
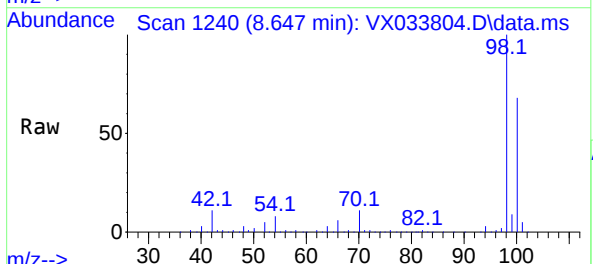
Acq: 19 Jan 2023 16:20

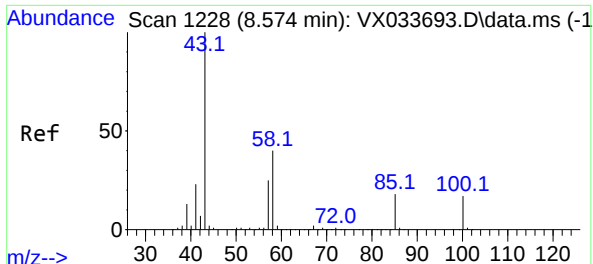
Tgt Ion: 98 Resp: 284466

Ion Ratio Lower Upper

98 100

100 67.4 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 36.972 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

Instrument :

MSVOA_X

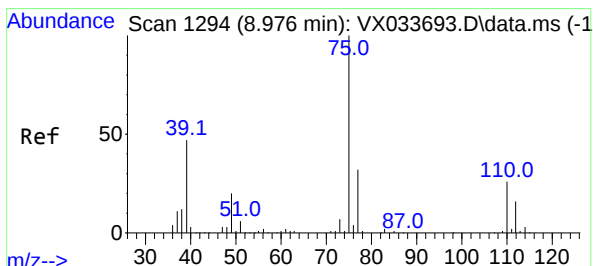
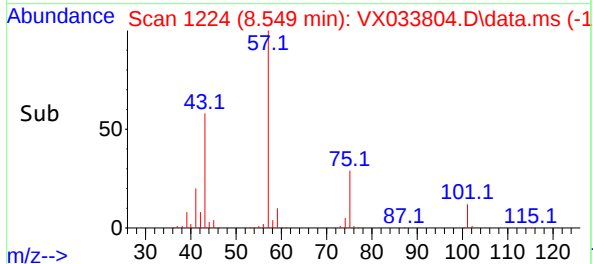
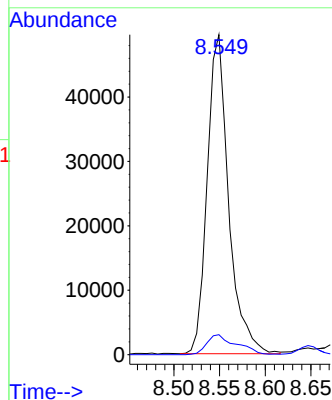
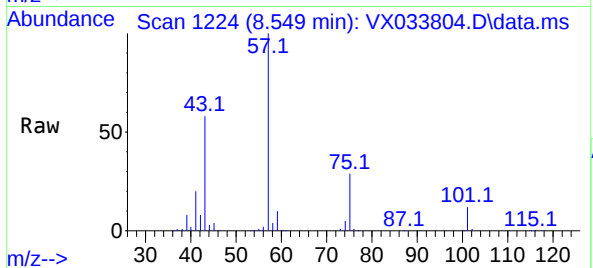
ClientSampleId :

Tgt Ion: 43 Resp: 80863

Ion Ratio Lower Upper

43 100

58 8.8 31.2 46.8#



#53

t-1,3-Dichloropropene

Concen: 0.362 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX033804.D

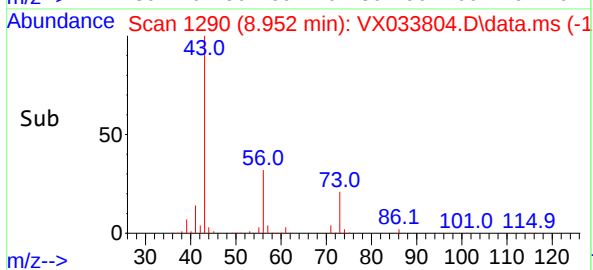
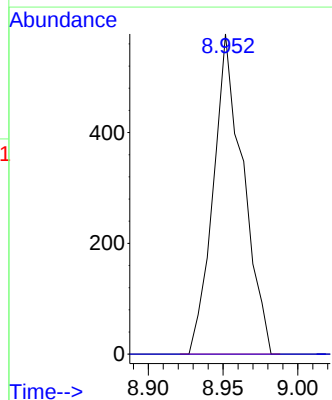
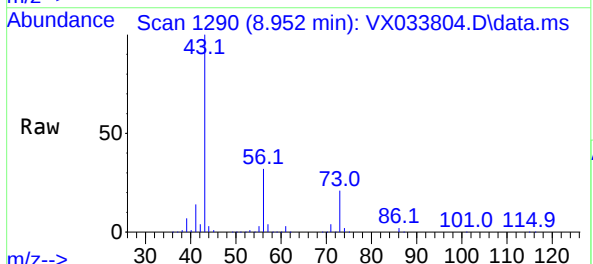
Acq: 19 Jan 2023 16:20

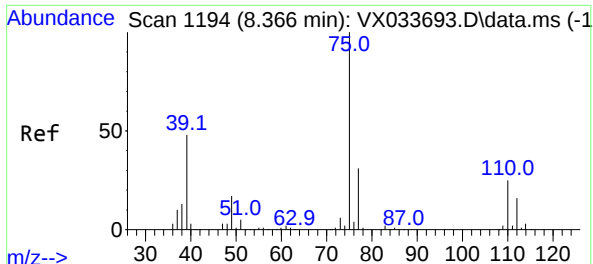
Tgt Ion: 75 Resp: 802

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

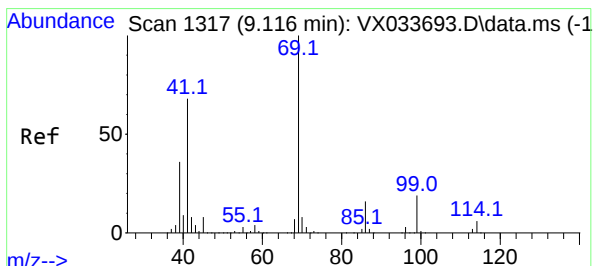
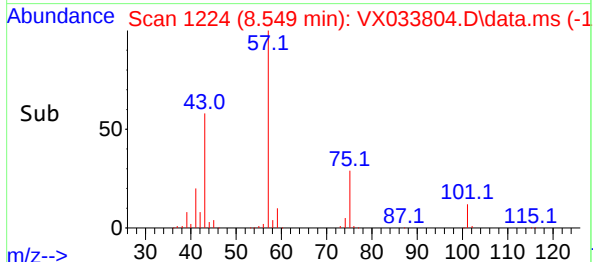
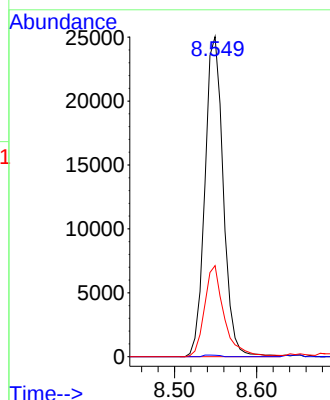
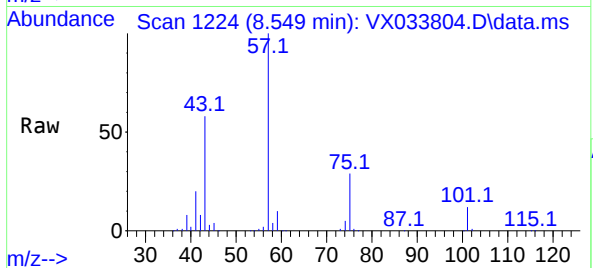




#54
 cis-1,3-Dichloropropene
 Concen: 15.594 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033804.D
 Acq: 19 Jan 2023 16:20

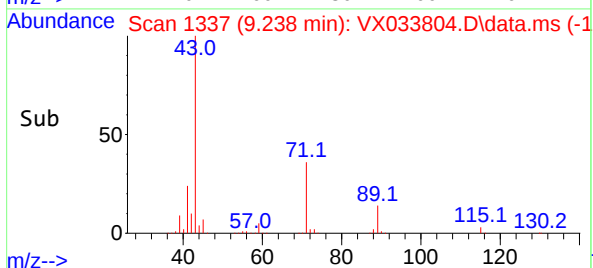
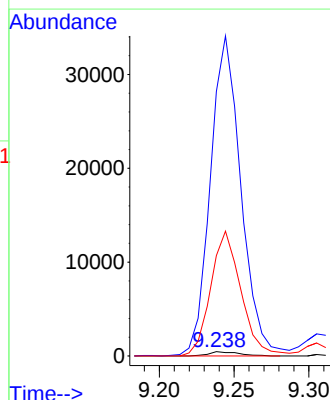
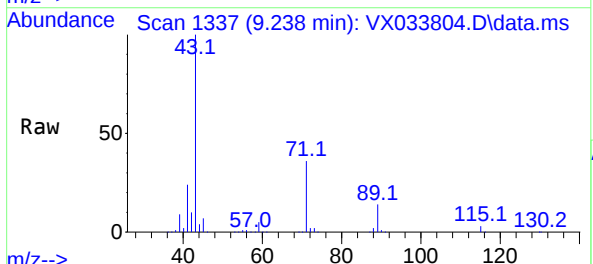
Instrument :
 MSVOA_X
 ClientSampleId :

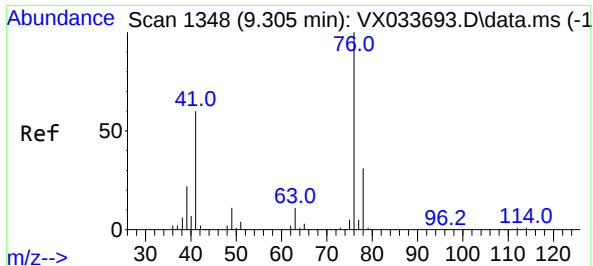
Tgt Ion: 75 Resp: 38743
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 28.5 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.269 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX033804.D
 Acq: 19 Jan 2023 16:20

Tgt Ion: 69 Resp: 636
 Ion Ratio Lower Upper
 69 100
 41 7680.8 55.1 82.7#
 39 2951.6 28.5 42.7#

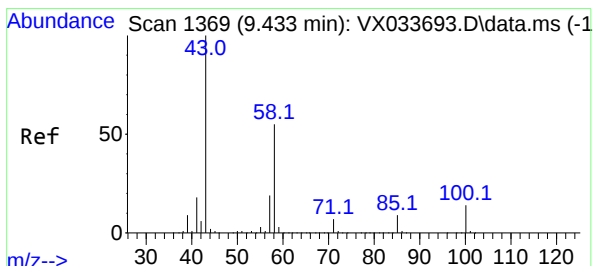
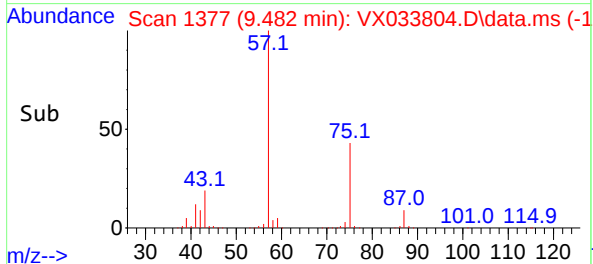
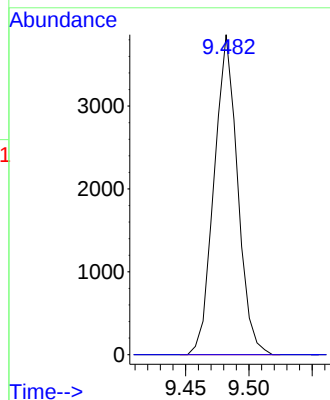
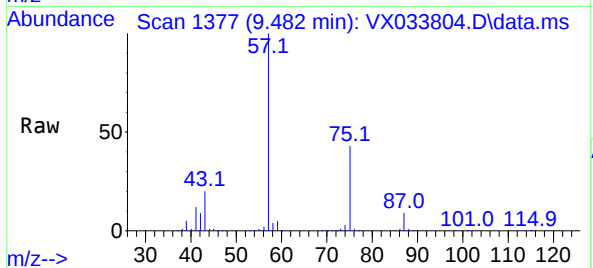




#57
1,3-Dichloropropane
Concen: 1.827 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

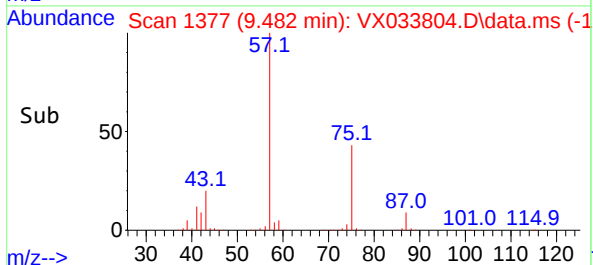
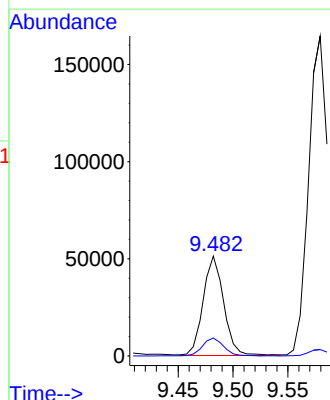
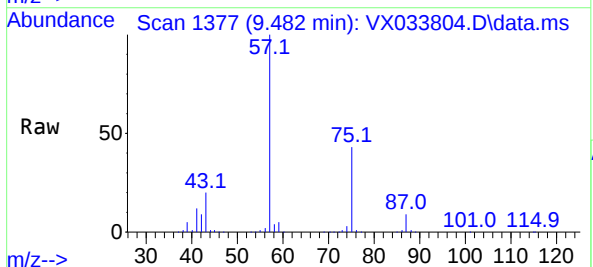
Instrument :
MSVOA_X
ClientSampleId :

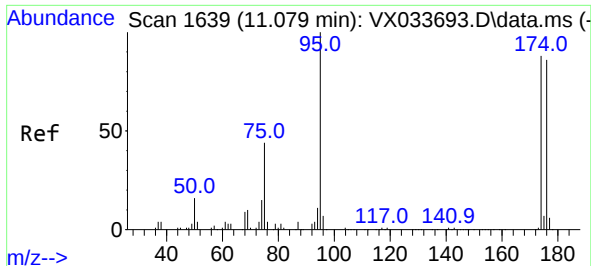
Tgt Ion: 76 Resp: 4979
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 43.866 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

Tgt Ion: 43 Resp: 66777
Ion Ratio Lower Upper
43 100
58 18.7 27.4 82.0#





#62

4-Bromofluorobenzene

Concen: 46.084 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

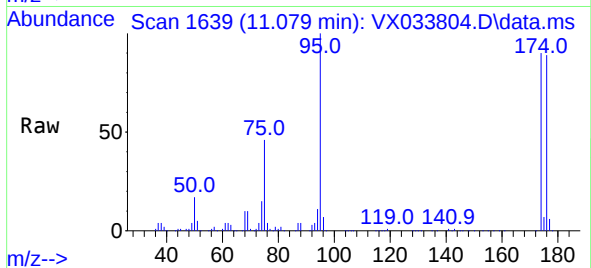
Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

Instrument :

MSVOA_X

ClientSampleId :



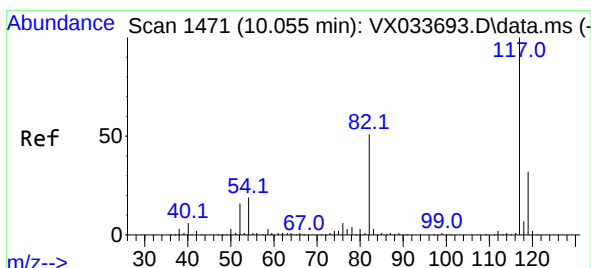
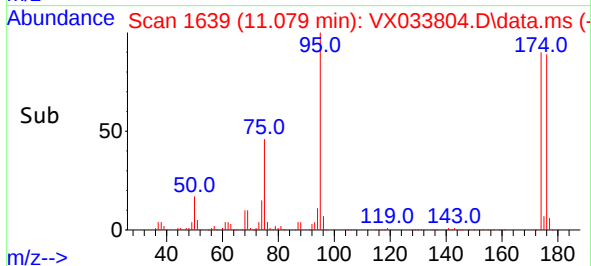
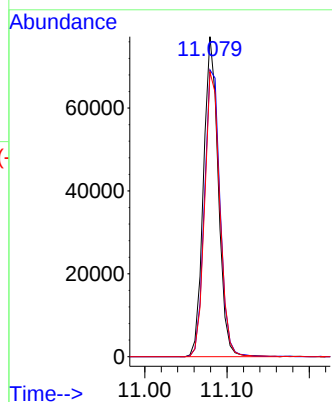
Tgt Ion: 95 Resp: 96360

Ion Ratio Lower Upper

95 100

174 94.4 0.0 184.4

176 91.2 0.0 178.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

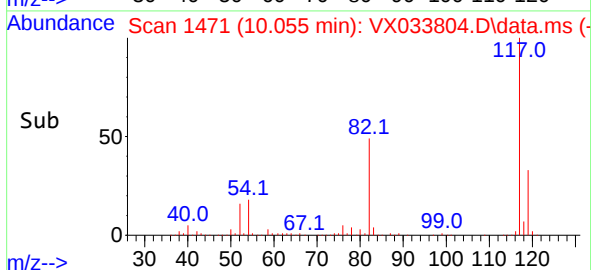
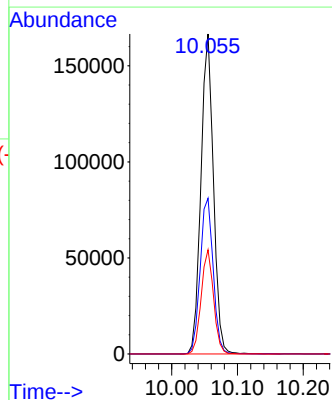
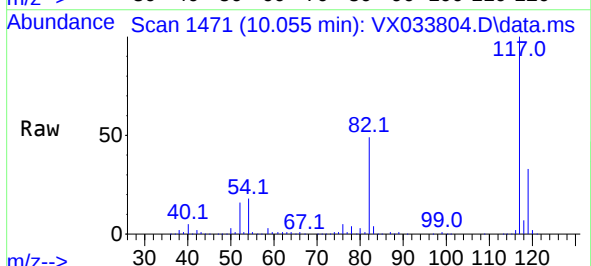
Tgt Ion: 117 Resp: 219545

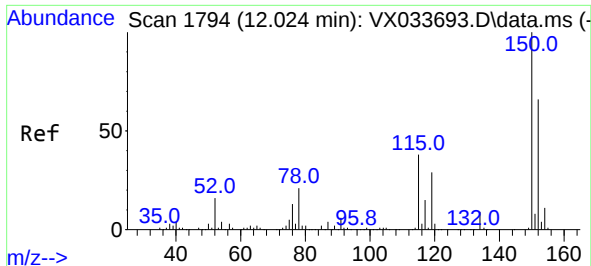
Ion Ratio Lower Upper

117 100

82 48.7 40.6 60.8

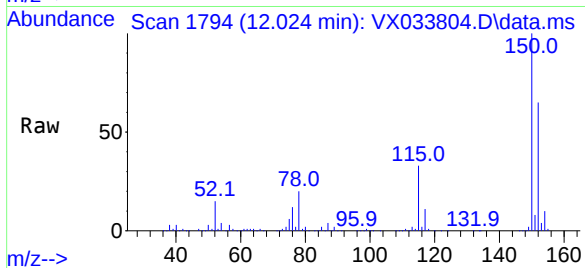
119 32.6 25.6 38.4



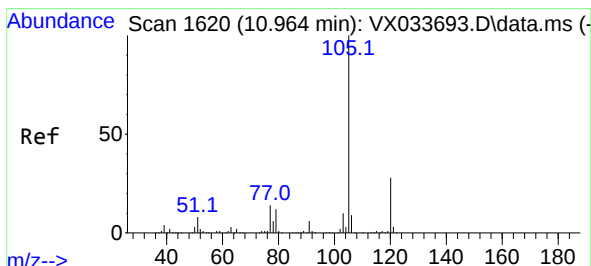
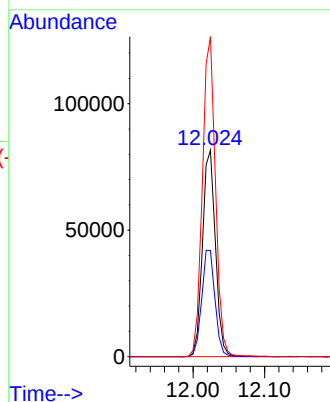
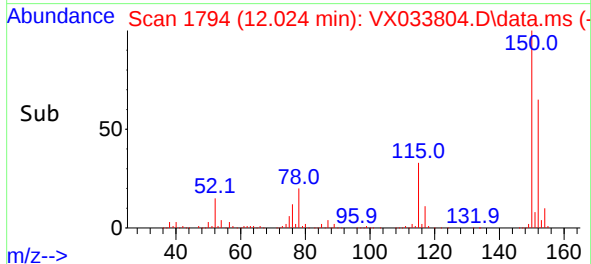


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

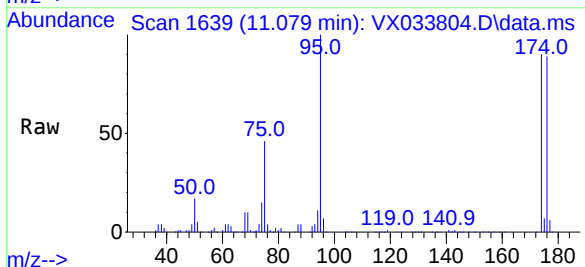
Instrument :
MSVOA_X
ClientSampleId :



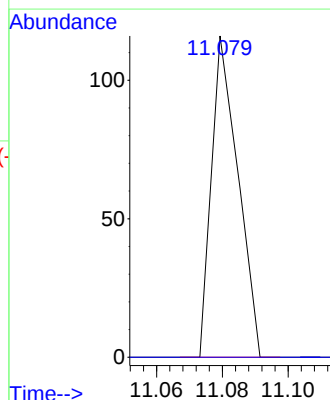
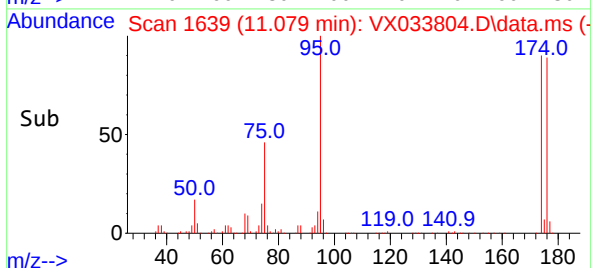
Tgt Ion:152 Resp: 102902
Ion Ratio Lower Upper
152 100
115 52.8 38.7 116.1
150 155.8 0.0 348.2

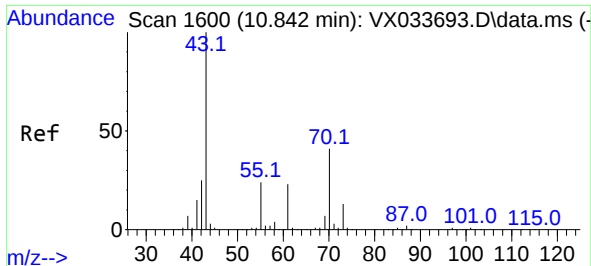


#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20



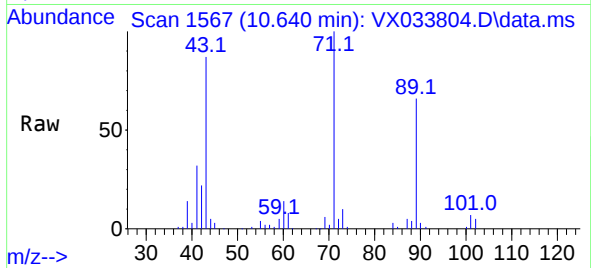
Tgt Ion:105 Resp: 65
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



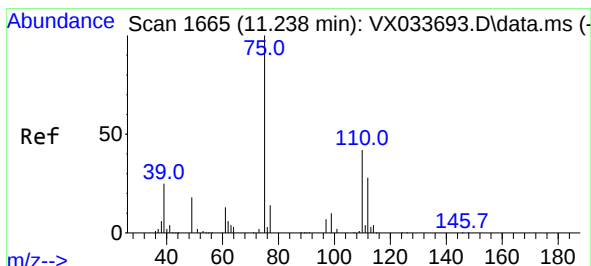
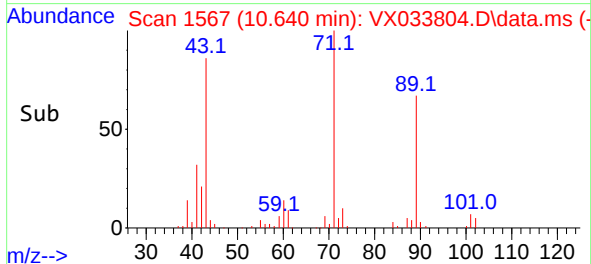
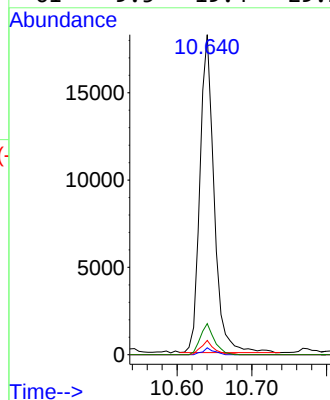


#74
N-amy1 acetate
Concen: 8.891 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

Instrument :
MSVOA_X
ClientSampleId :

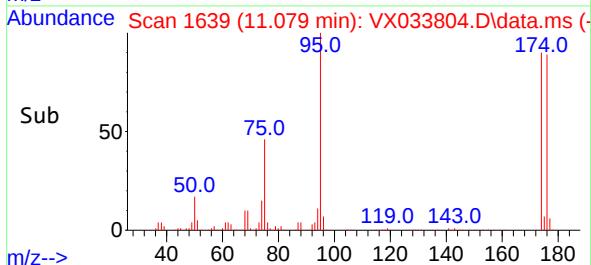
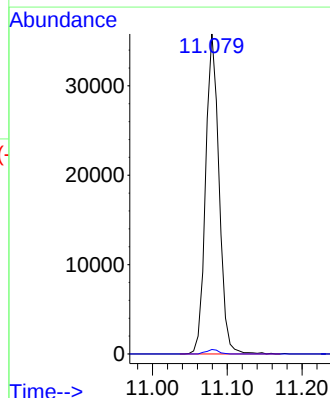
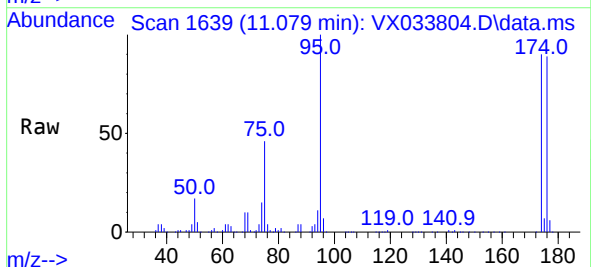


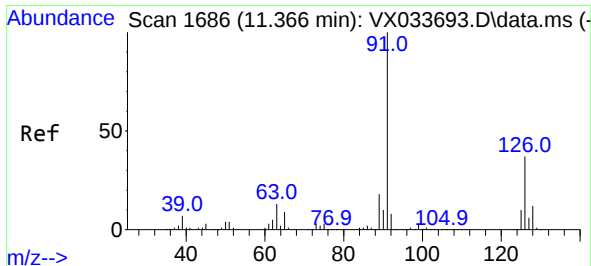
Tgt Ion:	43	Resp:	24024
Ion	Ratio	Lower	Upper
43	100		
70	1.7	34.8	52.2#
55	4.1	19.4	29.0#
61	9.5	19.4	29.2#



#76
1,2,3-Trichloropropane
Concen: 23.631 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

Tgt Ion:	75	Resp:	44679
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.8	65.4#

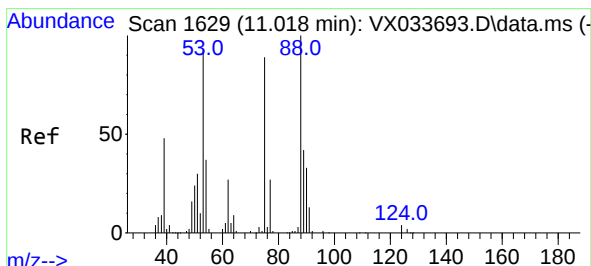
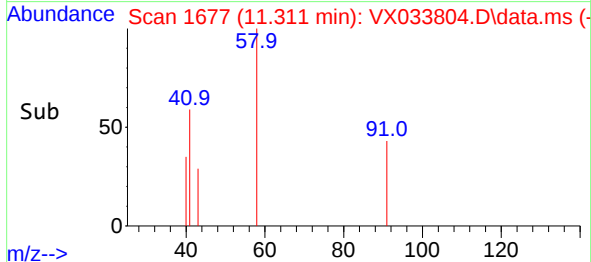
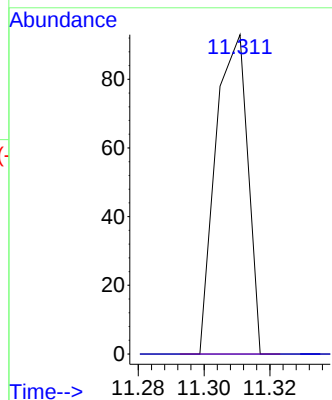
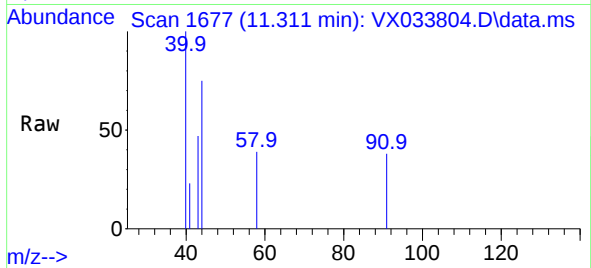




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.311 min Scan# 1677
Delta R.T. -0.055 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

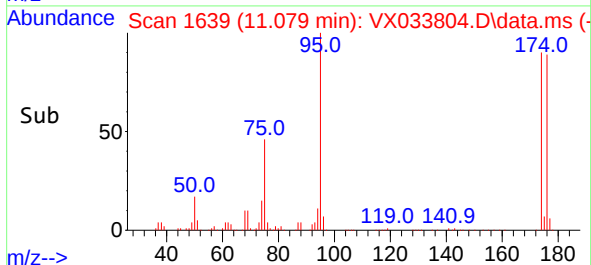
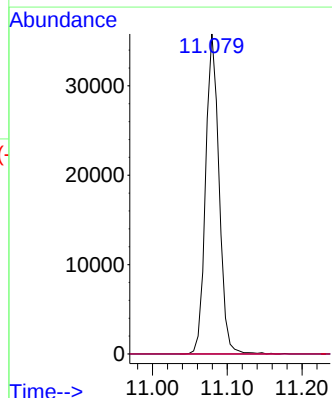
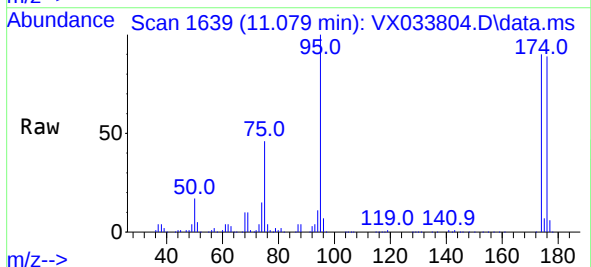
Instrument :
MSVOA_X
ClientSampleId :

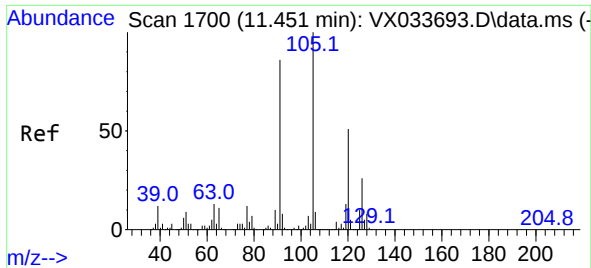
Tgt Ion: 91 Resp: 63
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.443 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033804.D
Acq: 19 Jan 2023 16:20

Tgt Ion: 75 Resp: 44679
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

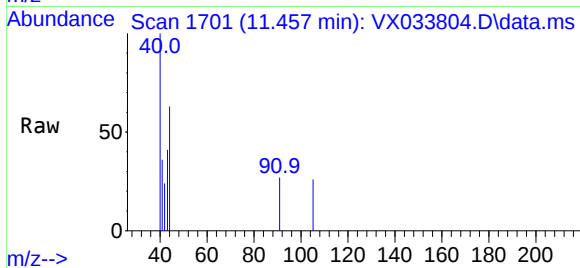
Lab File: VX033804.D

Acq: 19 Jan 2023 16:20

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 91 Resp: 45

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.4#

