

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080322\
 Data File : VX030377.D
 Acq On : 03 Aug 2022 17:44
 Operator : JC/MD
 Sample : N4018-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33773-74

Quant Time: Aug 04 04:44:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

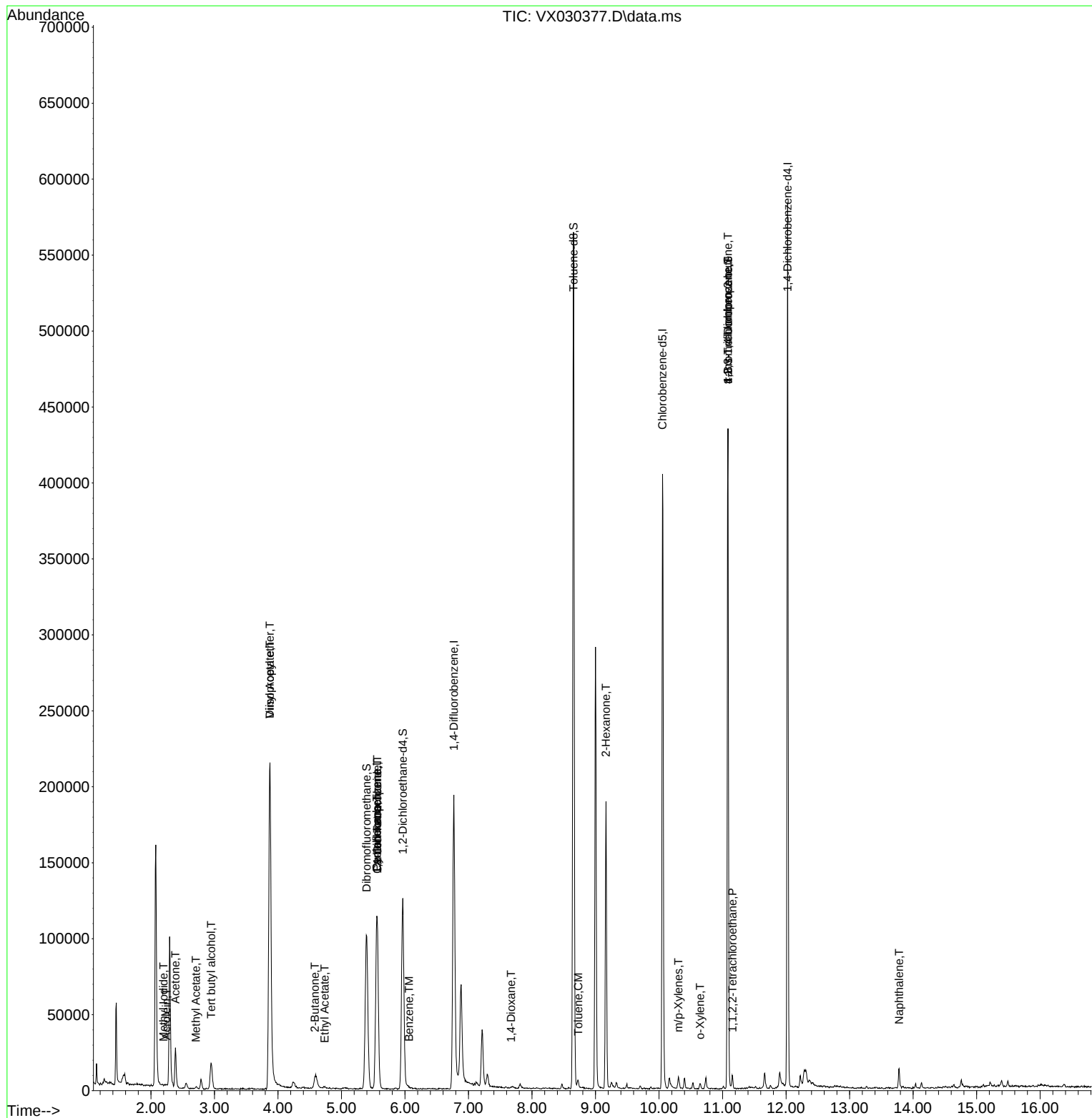
Internal Standards						
1) Pentafluorobenzene	5.556	168	102213	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	185262	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	119793	58.310	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.620%			
35) Dibromofluoromethane	5.397	113	91183	51.486	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.980%			
50) Toluene-d8	8.653	98	324119	47.258	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.520%			
62) 4-Bromofluorobenzene	11.085	95	117507	46.165	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.340%			
Target Compounds						Qvalue
5) Bromomethane	1.599	94	326	Below Cal	#	58
10) Methyl Iodide	2.197	142	44	1.552	ug/l #	45
11) Tert butyl alcohol	2.946	59	10742	21.435	ug/l #	79
13) Acrolein	2.239	56	708	5.748	ug/l #	82
16) Acetone	2.386	43	26354	25.056	ug/l #	88
18) Methyl Acetate	2.709	43	1706	0.548	ug/l #	85
20) Methylene Chloride	2.788	84	2370	Below Cal	#	93
22) Diisopropyl ether	3.873	45	15922	2.554	ug/l #	1
23) Vinyl Acetate	3.873	43	36617	6.771	ug/l #	72
25) 2-Butanone	4.580	43	2921	1.653	ug/l	97
31) Cyclohexane	5.556	56	2839	0.952	ug/l #	31
36) 1,1-Dichloropropene	5.562	75	9789	3.841	ug/l #	47
37) Ethyl Acetate	4.733	43	1136	0.315	ug/l #	78
38) Carbon Tetrachloride	5.562	117	11921	5.010	ug/l #	19
40) Benzene	6.062	78	2597	0.324	ug/l #	87
49) 1,4-Dioxane	7.671	88	97	1.613	ug/l #	25
52) Toluene	8.726	92	1742	0.356	ug/l	91
59) 2-Hexanone	9.165	43	12372	4.366	ug/l	91
67) Ethyl Benzene	10.201	91	622	Below Cal	#	79
68) m/p-Xylenes	10.305	106	1436	0.437	ug/l	96
69) o-Xylene	10.646	106	979	0.302	ug/l	84
75) 1,1,2,2-Tetrachloroethane	11.158	83	2834	0.921	ug/l #	29
76) 1,2,3-Trichloropropane	11.085	75	62548	22.035	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	62548	66.103	ug/l #	13
95) Naphthalene	13.780	128	9326	1.093	ug/l	98

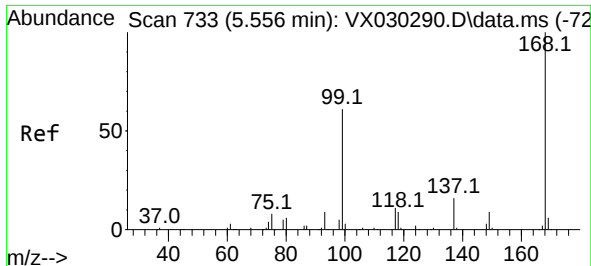
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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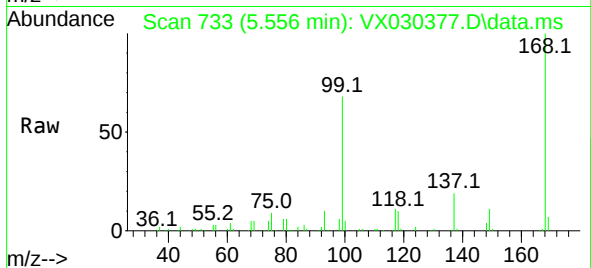
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

Instrument :

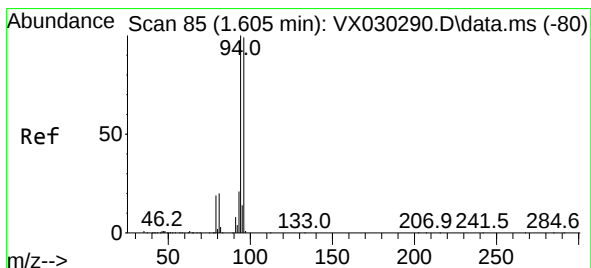
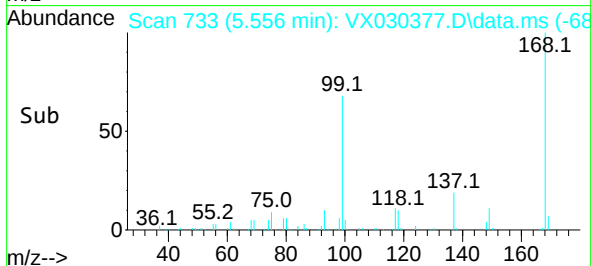
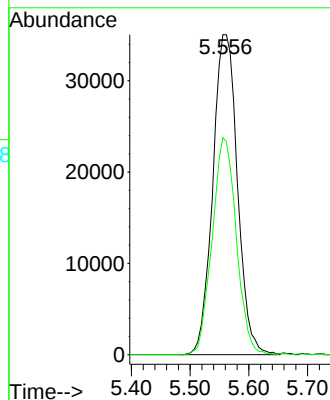
MSVOA_X

ClientSampleId :

33773-74

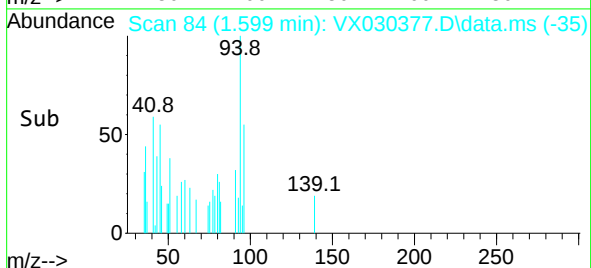
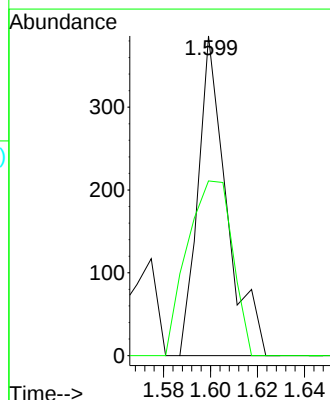
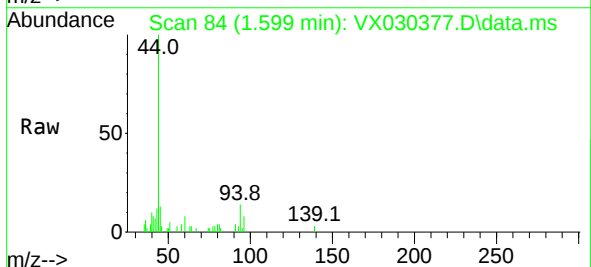


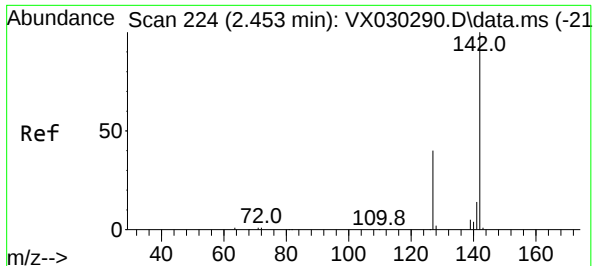
Tgt Ion:168 Resp: 102213
Ion Ratio Lower Upper
168 100
99 67.9 44.0 66.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

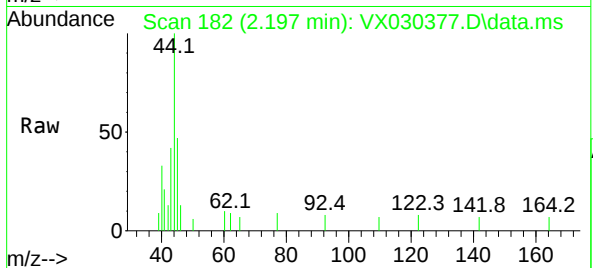
Tgt Ion: 94 Resp: 326
Ion Ratio Lower Upper
94 100
96 54.7 76.9 115.3#



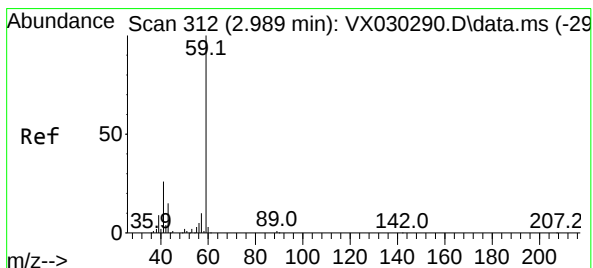
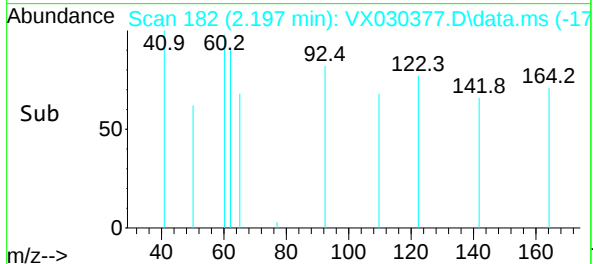
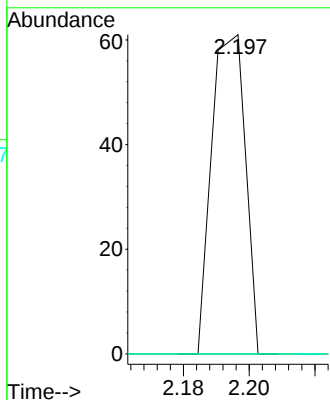


#10
Methyl Iodide
Concen: 1.552 ug/l
RT: 2.197 min Scan# 11
Delta R.T. -0.249 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

Instrument :
MSVOA_X
ClientSampleId :
33773-74

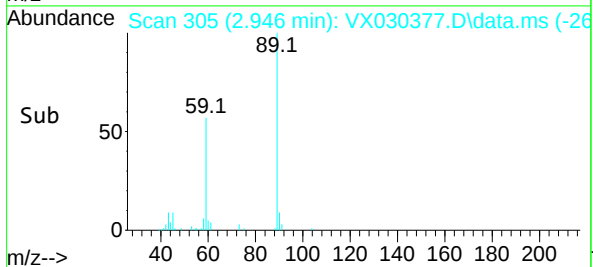
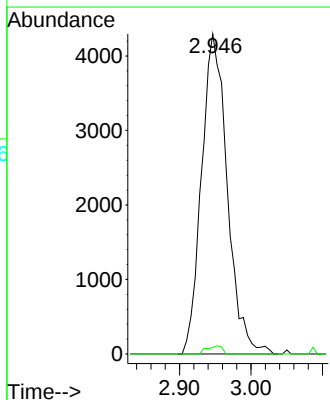
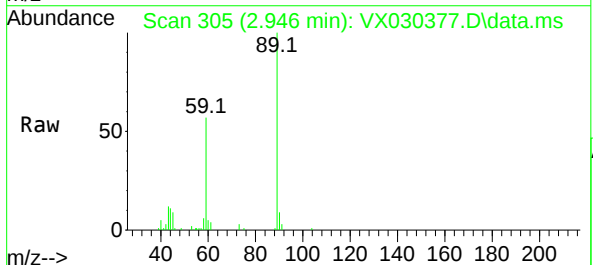


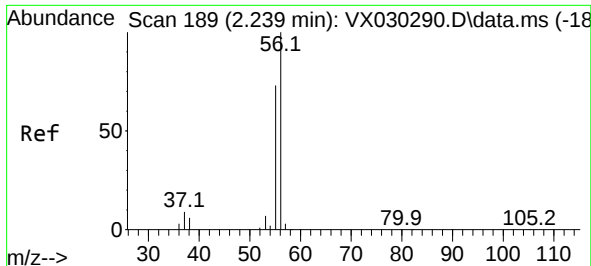
Tgt Ion:142 Resp: 44
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 21.435 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

Tgt Ion: 59 Resp: 10742
Ion Ratio Lower Upper
59 100
57 1.5 7.4 11.2#





#13

Acrolein

Concen: 5.748 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

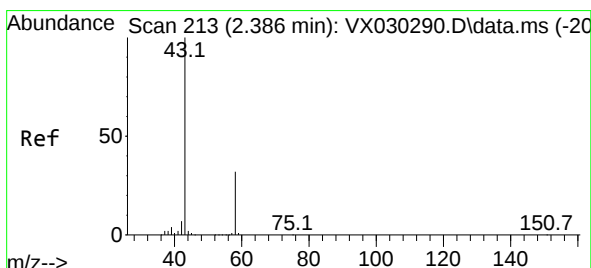
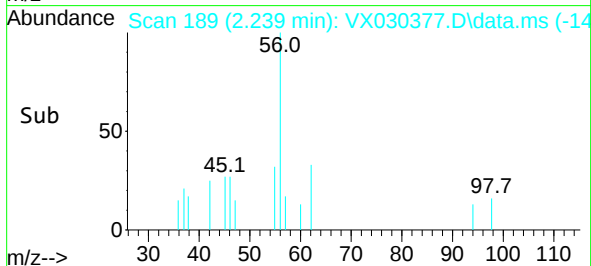
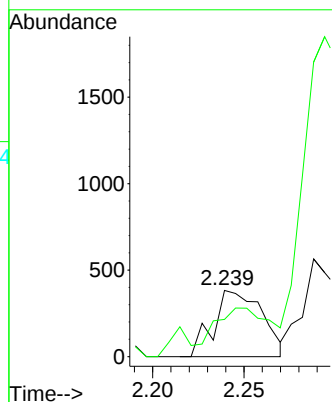
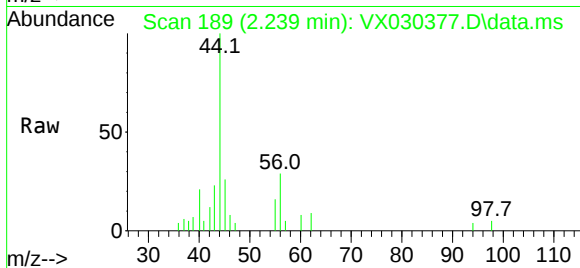
33773-74

Tgt Ion: 56 Resp: 708

Ion Ratio Lower Upper

56 100

55 85.6 56.6 84.8#



#16

Acetone

Concen: 25.056 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.001 min

Lab File: VX030377.D

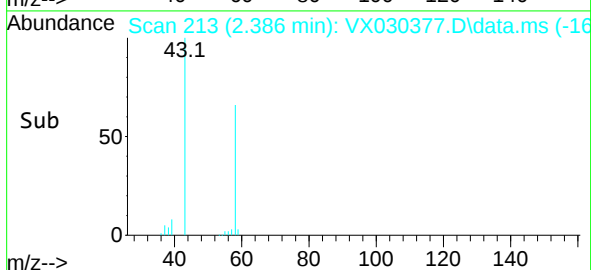
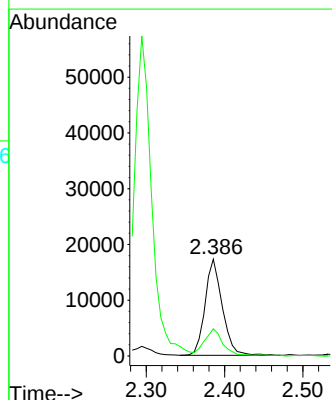
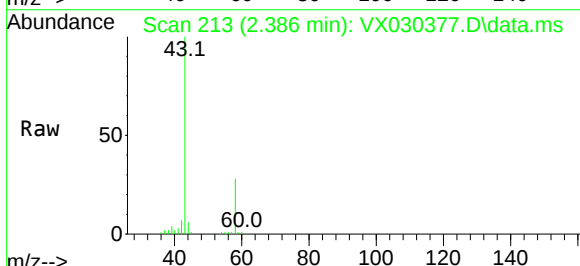
Acq: 03 Aug 2022 17:44

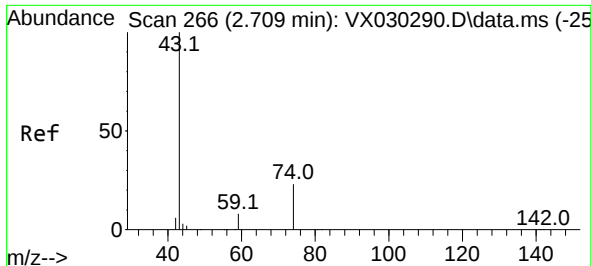
Tgt Ion: 43 Resp: 26354

Ion Ratio Lower Upper

43 100

58 27.5 27.7 41.5#





#18

Methyl Acetate

Concen: 0.548 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.001 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

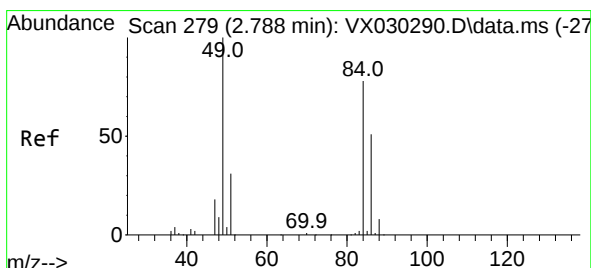
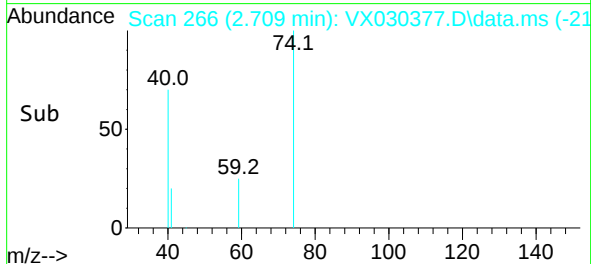
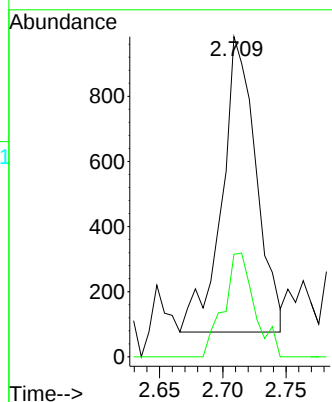
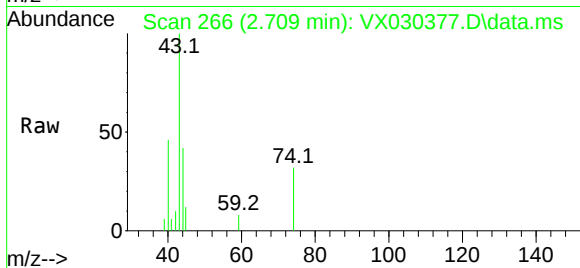
33773-74

Tgt Ion: 43 Resp: 1706

Ion Ratio Lower Upper

43 100

74 31.5 19.4 29.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

Tgt Ion: 84 Resp: 2370

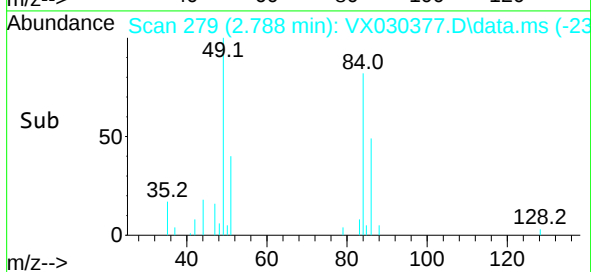
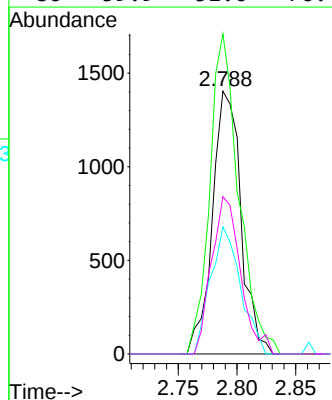
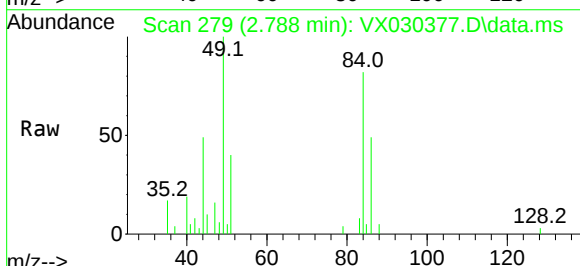
Ion Ratio Lower Upper

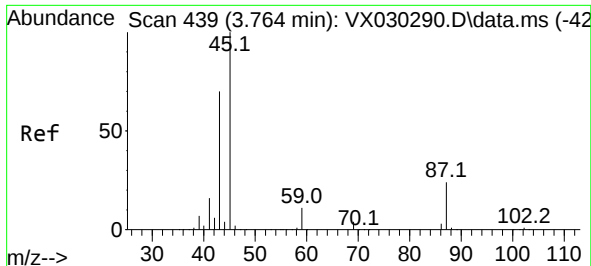
84 100

49 121.8 93.8 140.6

51 48.4 29.4 44.0#

86 59.9 51.0 76.4

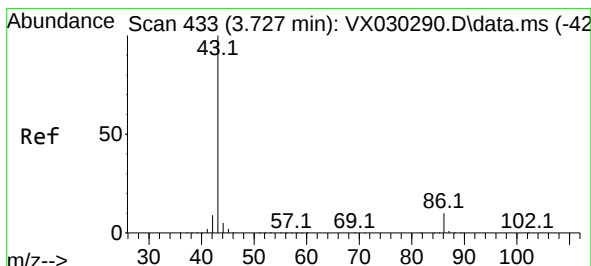
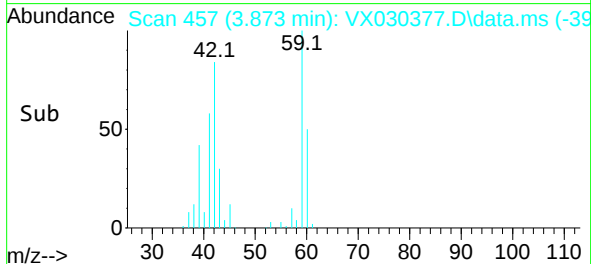
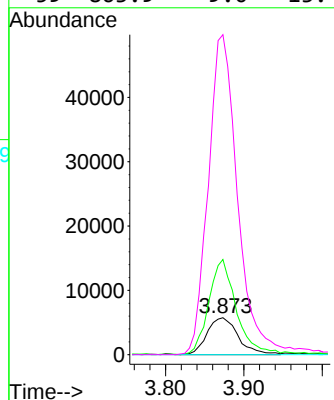
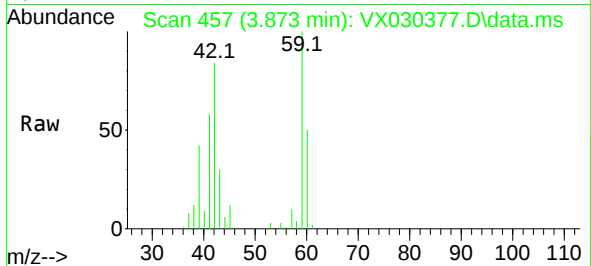




#22
Diisopropyl ether
Concen: 2.554 ug/l
RT: 3.873 min Scan# 457
Delta R.T. 0.104 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

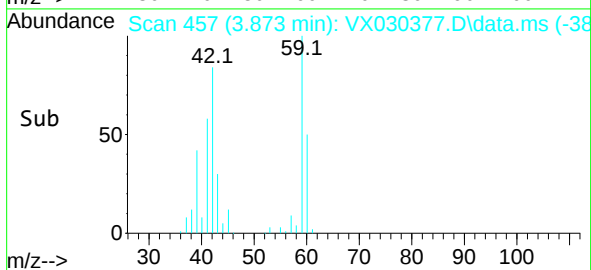
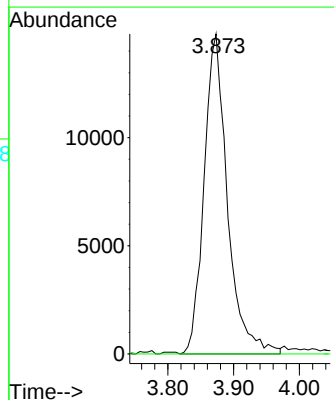
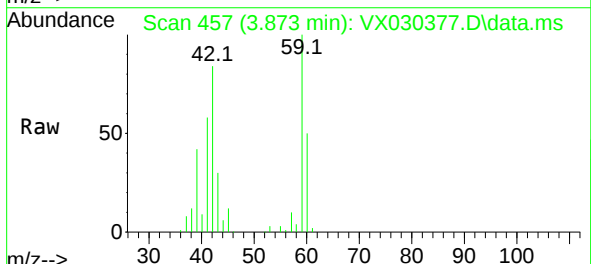
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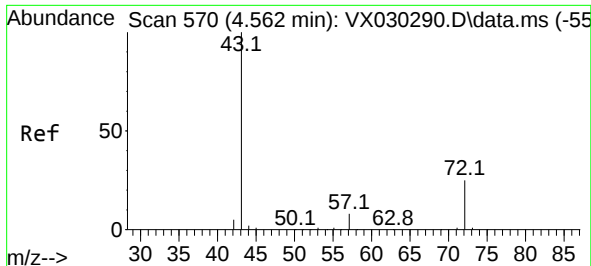
Tgt Ion: 45 Resp: 15922
Ion Ratio Lower Upper
45 100
43 257.4 65.4 98.0#
87 0.0 22.3 33.5#
59 863.9 9.0 13.4#



#23
Vinyl Acetate
Concen: 6.771 ug/l
RT: 3.873 min Scan# 457
Delta R.T. 0.146 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

Tgt Ion: 43 Resp: 36617
Ion Ratio Lower Upper
43 100
86 0.0 8.5 12.7#

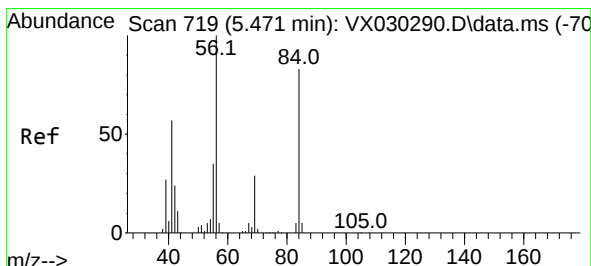
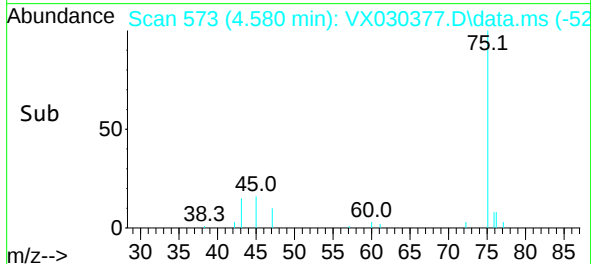
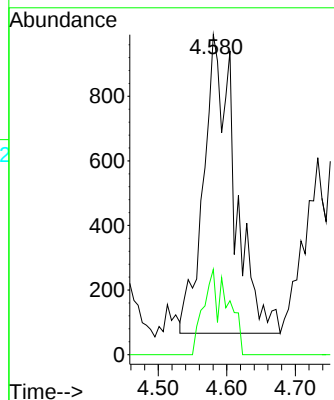
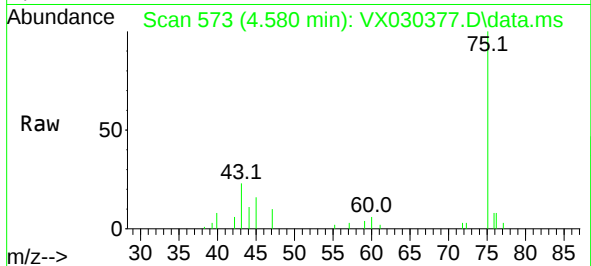




#25
2-Butanone
Concen: 1.653 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

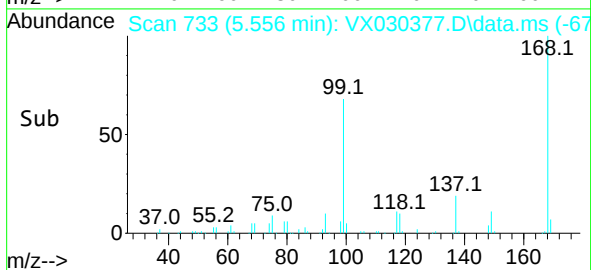
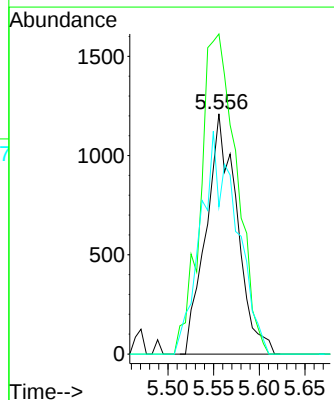
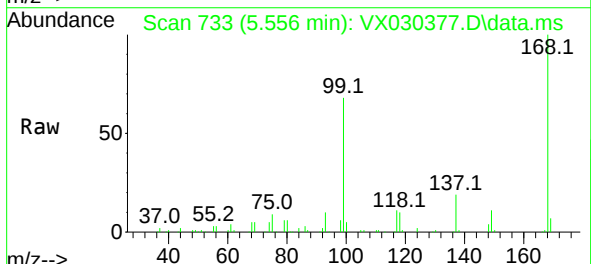
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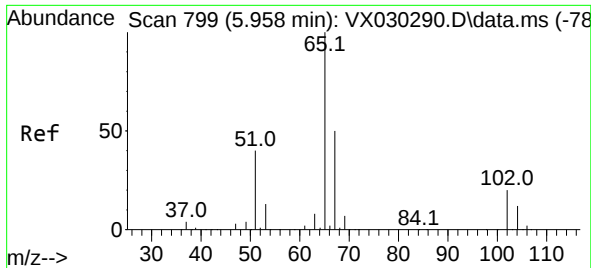
Tgt Ion: 43 Resp: 2921
Ion Ratio Lower Upper
43 100
72 28.5 21.7 32.5



#31
Cyclohexane
Concen: 0.952 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

Tgt Ion: 56 Resp: 2839
Ion Ratio Lower Upper
56 100
69 133.2 25.4 38.0#
84 61.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 58.310 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

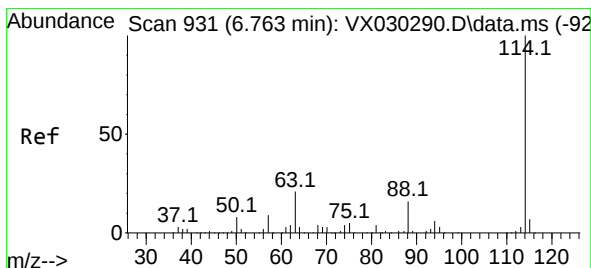
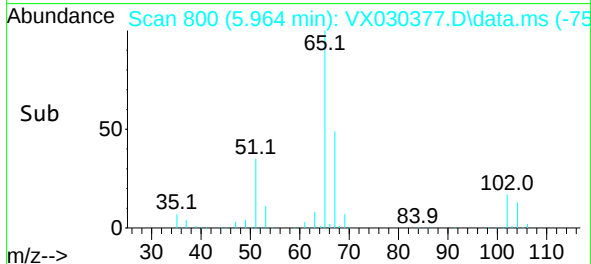
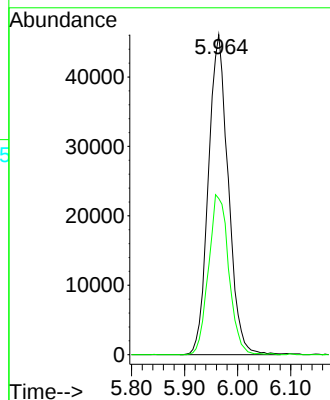
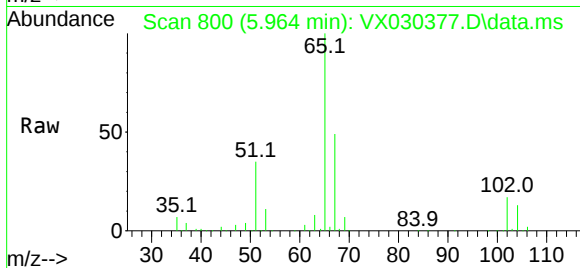
33773-74

Tgt Ion: 65 Resp: 119793

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

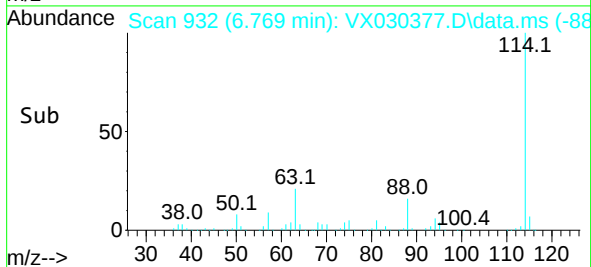
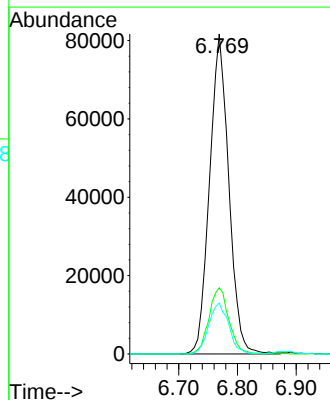
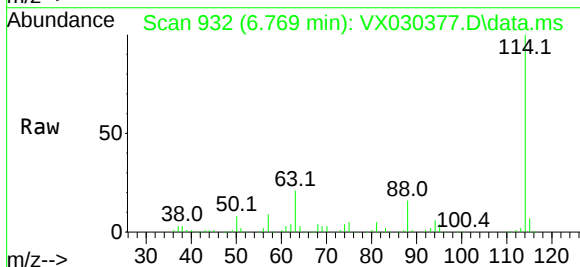
Tgt Ion: 114 Resp: 185262

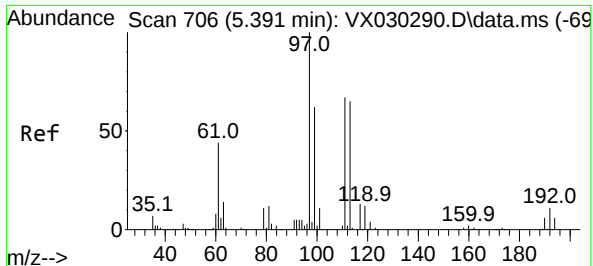
Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.4

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.486 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030377.D

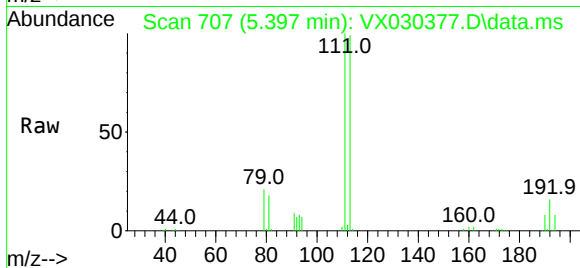
Acq: 03 Aug 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

33773-74



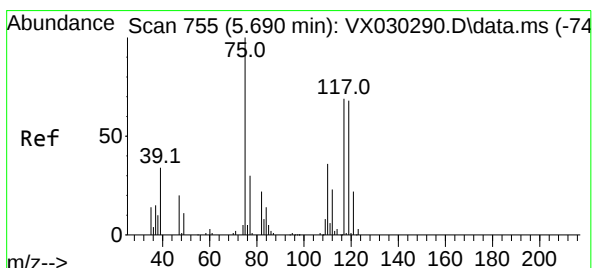
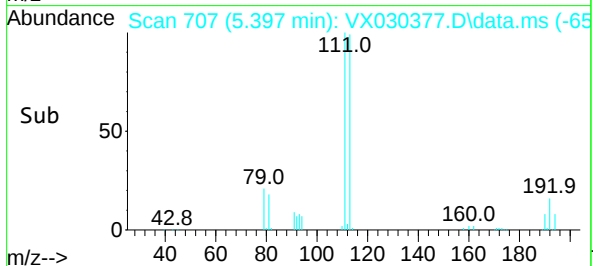
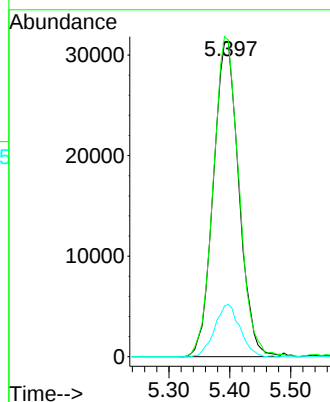
Tgt Ion:113 Resp: 91183

Ion Ratio Lower Upper

113 100

111 102.0 83.2 124.8

192 16.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.841 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

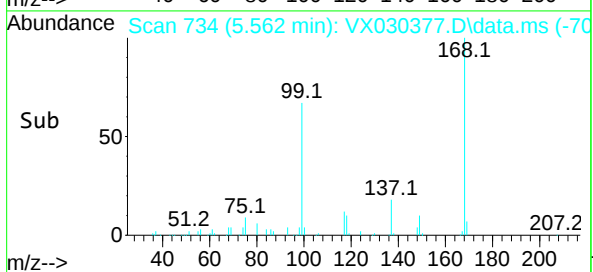
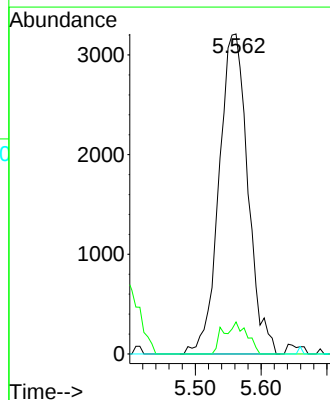
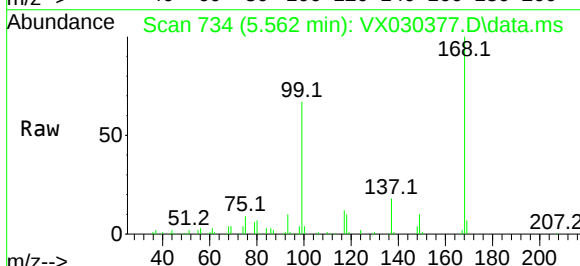
Tgt Ion: 75 Resp: 9789

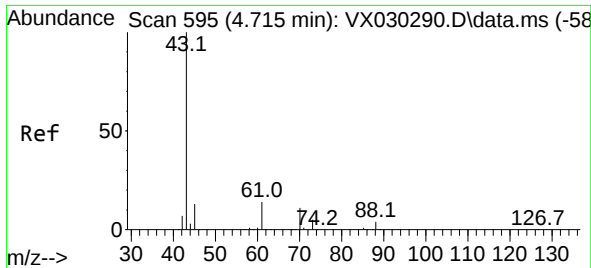
Ion Ratio Lower Upper

75 100

110 8.2 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.315 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.013 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

33773-74

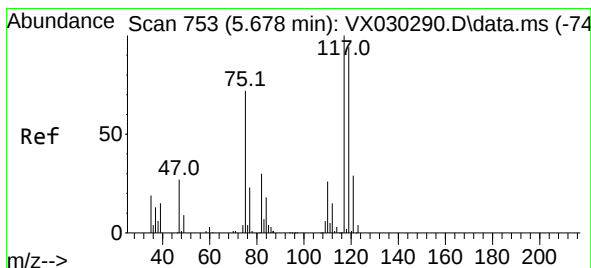
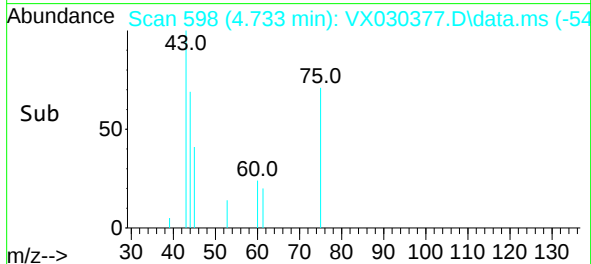
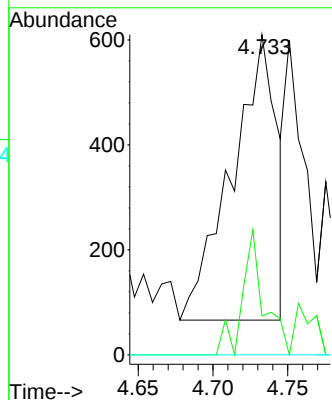
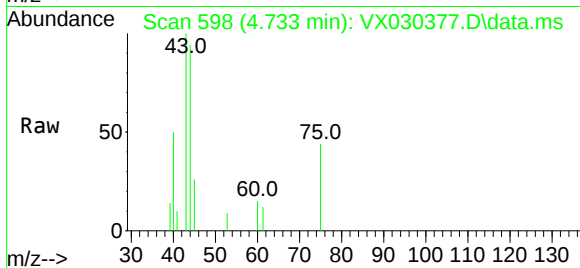
Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

61 21.2 11.7 17.5#

70 0.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 5.010 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.121 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

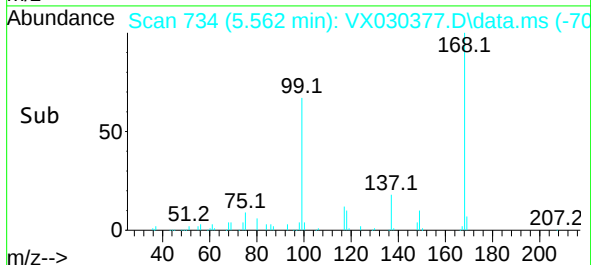
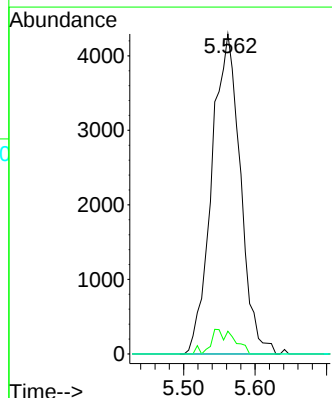
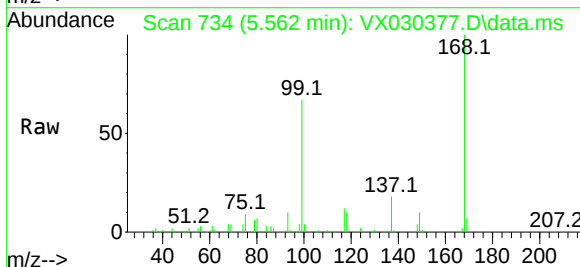
Tgt Ion: 117 Resp: 11921

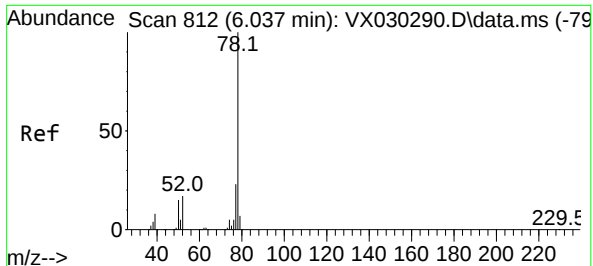
Ion Ratio Lower Upper

117 100

119 7.1 74.1 111.1#

121 0.0 25.8 38.8#

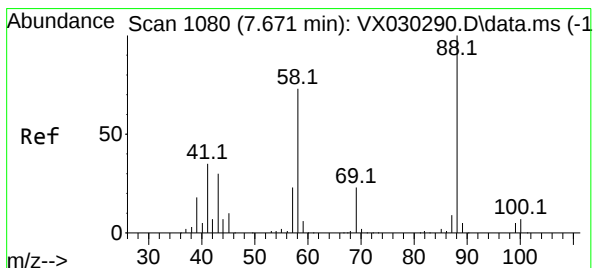
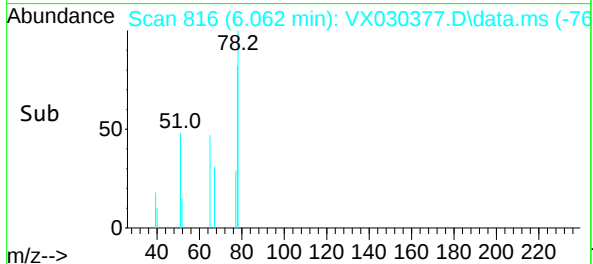
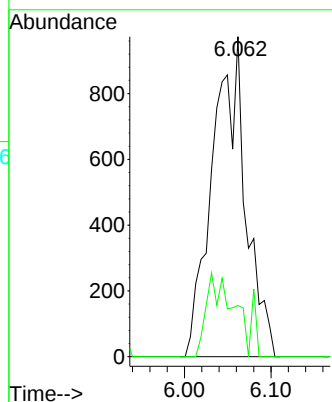
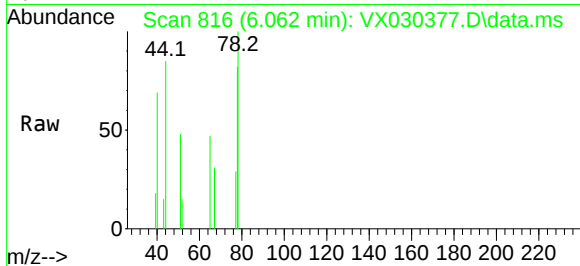




#40
Benzene
Concen: 0.324 ug/l
RT: 6.062 min Scan# 812
Delta R.T. 0.019 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

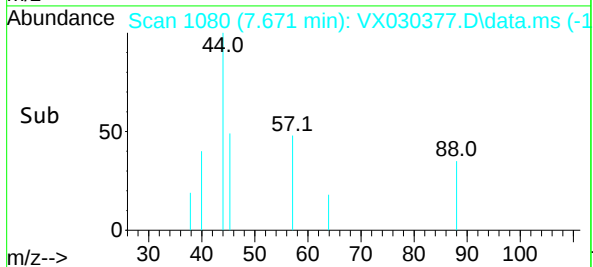
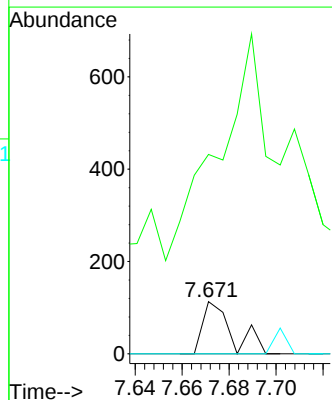
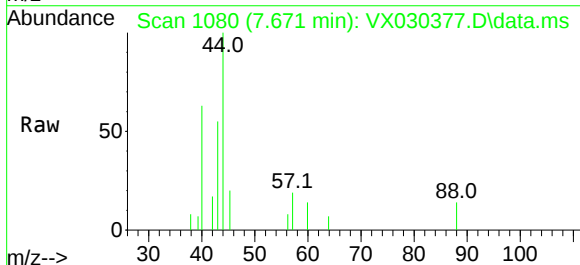
Instrument :
MSVOA_X
ClientSampleId :
33773-74

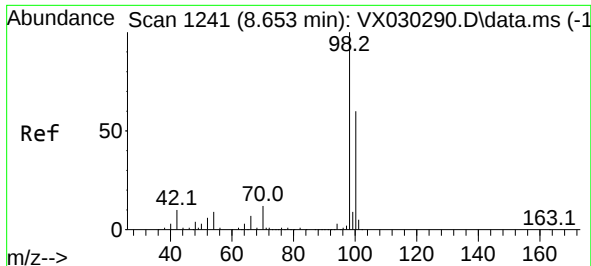
Tgt Ion: 78 Resp: 2597
Ion Ratio Lower Upper
78 100
77 16.0 18.0 27.0#



#49
1,4-Dioxane
Concen: 1.613 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

Tgt Ion: 88 Resp: 97
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#





#50

Toluene-d8

Concen: 47.258 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

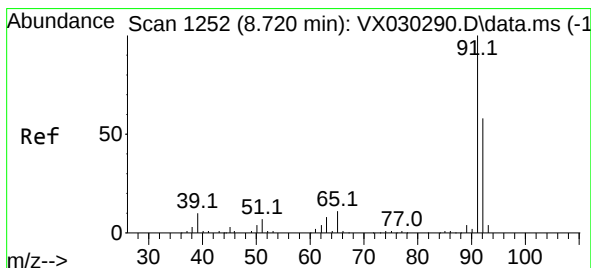
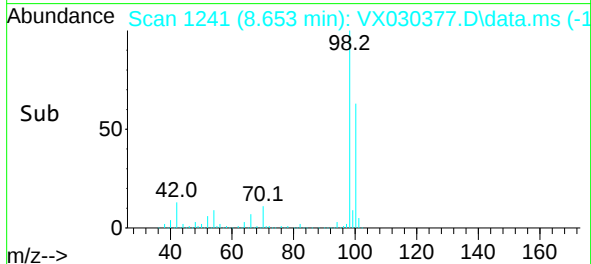
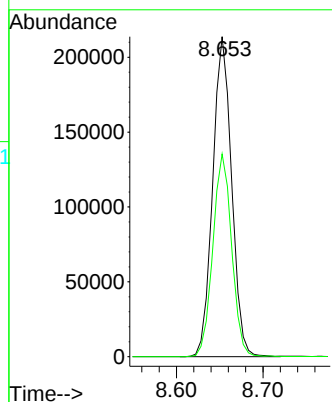
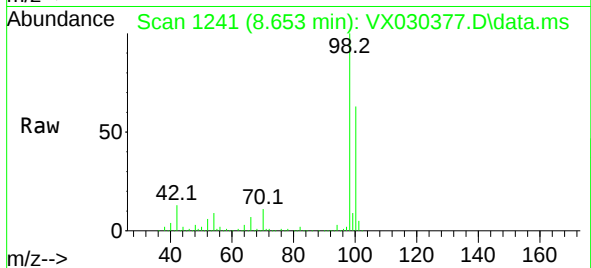
33773-74

Tgt Ion: 98 Resp: 324119

Ion Ratio Lower Upper

98 100

100 63.2 52.3 78.5



#52

Toluene

Concen: 0.356 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX030377.D

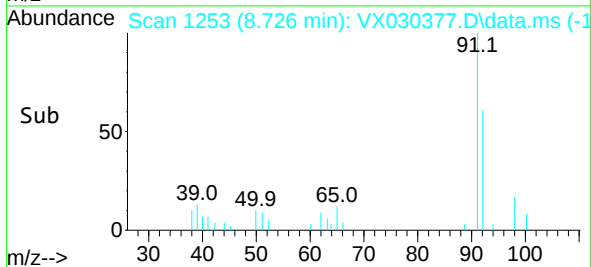
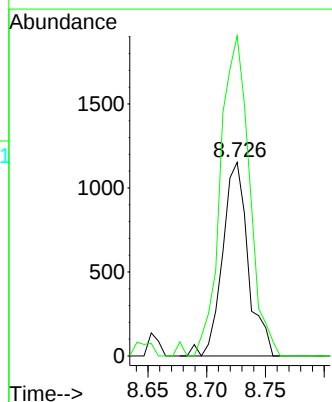
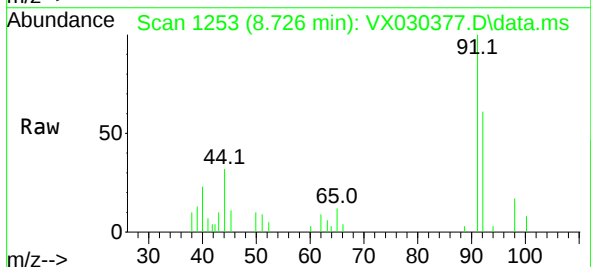
Acq: 03 Aug 2022 17:44

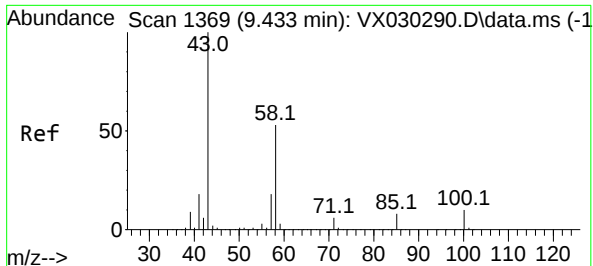
Tgt Ion: 92 Resp: 1742

Ion Ratio Lower Upper

92 100

91 186.9 139.2 208.8





#59

2-Hexanone

Concen: 4.366 ug/l

RT: 9.165 min Scan# 1325

Delta R.T. -0.268 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

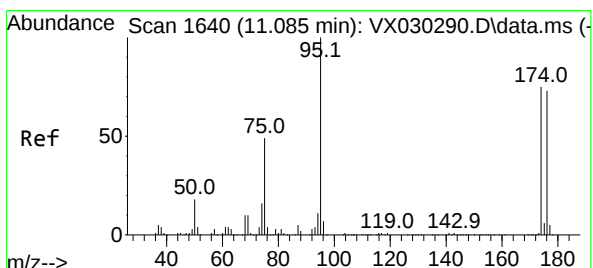
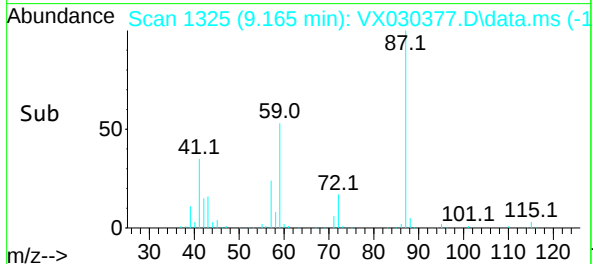
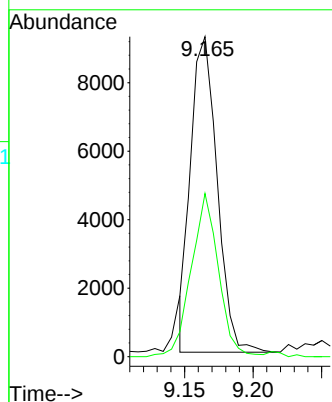
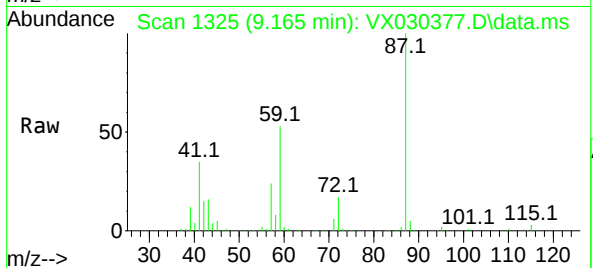
33773-74

Tgt Ion: 43 Resp: 12372

Ion Ratio Lower Upper

43 100

58 48.3 27.6 82.8



#62

4-Bromofluorobenzene

Concen: 46.165 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

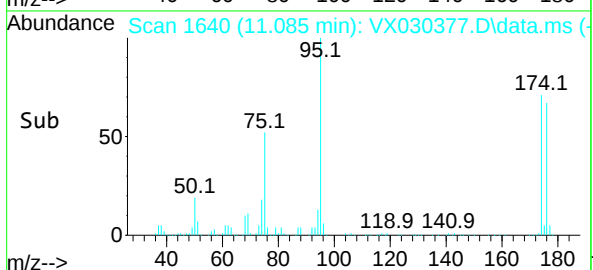
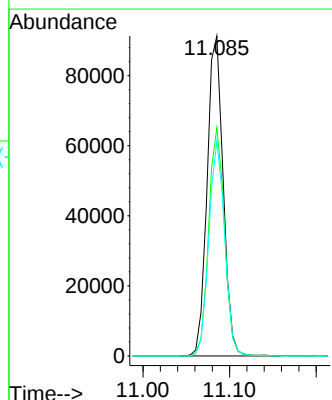
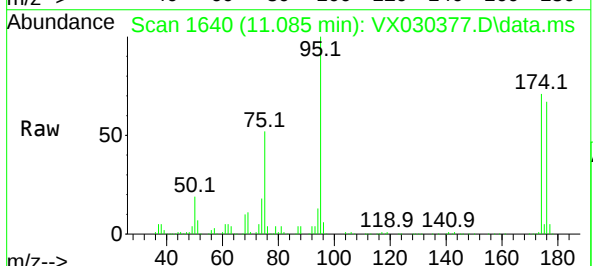
Tgt Ion: 95 Resp: 117507

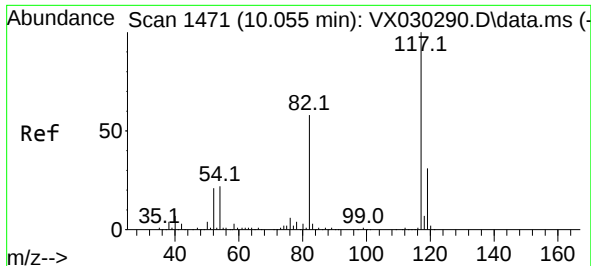
Ion Ratio Lower Upper

95 100

174 70.3 0.0 149.0

176 66.0 0.0 146.0

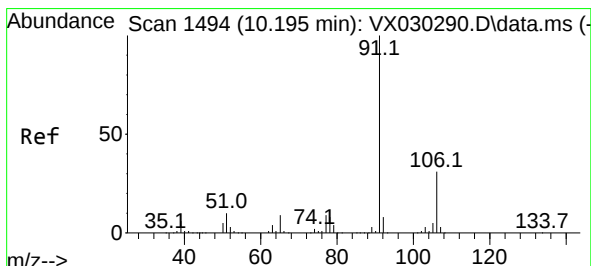
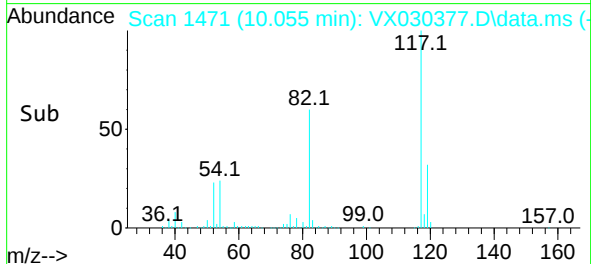
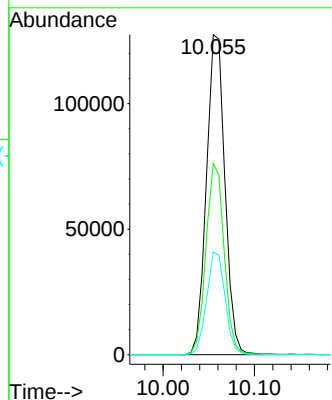
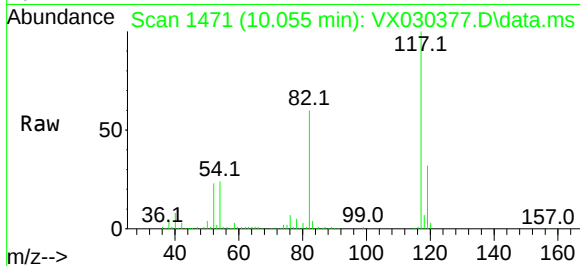




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

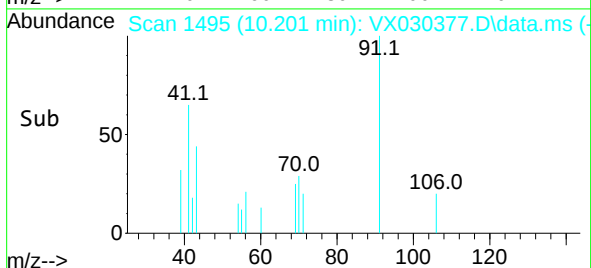
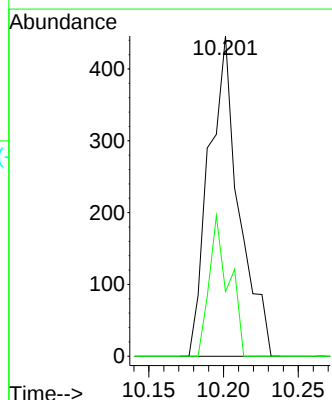
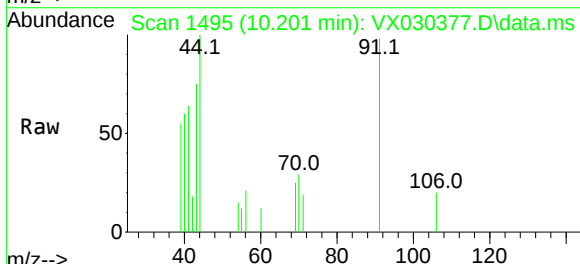
Instrument :
MSVOA_X
ClientSampleId :
33773-74

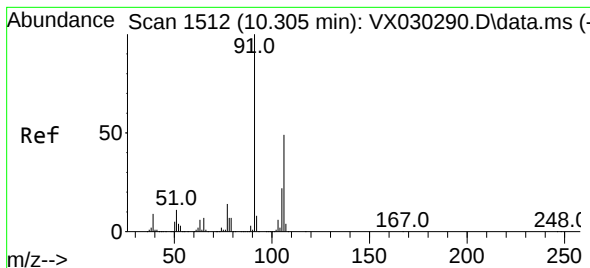
Tgt Ion:117 Resp: 178709
Ion Ratio Lower Upper
117 100
82 59.8 42.7 64.1
119 32.1 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

Tgt Ion: 91 Resp: 622
Ion Ratio Lower Upper
91 100
106 20.2 25.5 38.3#





#68

m/p-Xylenes

Concen: 0.437 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX030377.D

Acq: 03 Aug 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

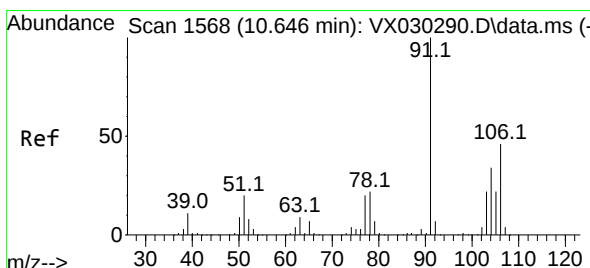
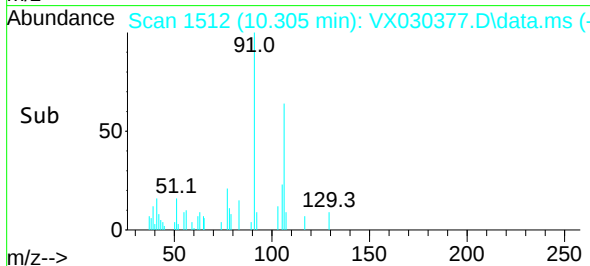
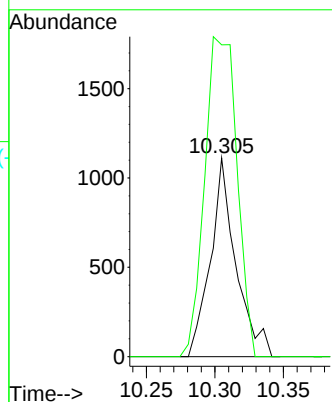
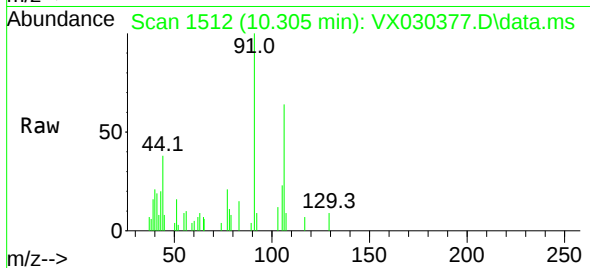
33773-74

Tgt Ion:106 Resp: 1436

Ion Ratio Lower Upper

106 100

91 204.2 158.2 237.4



#69

o-Xylene

Concen: 0.302 ug/l

RT: 10.646 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VX030377.D

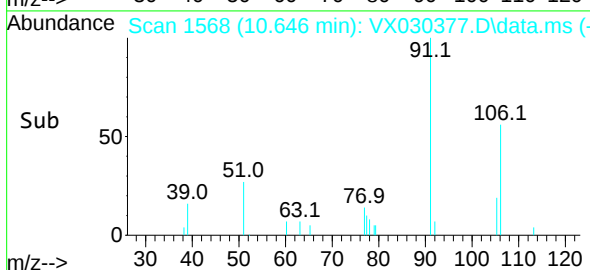
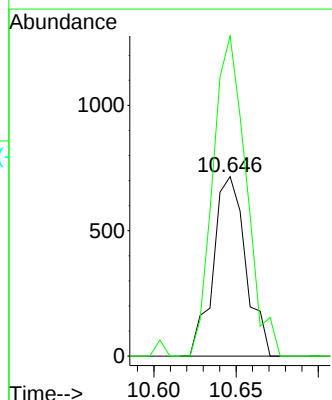
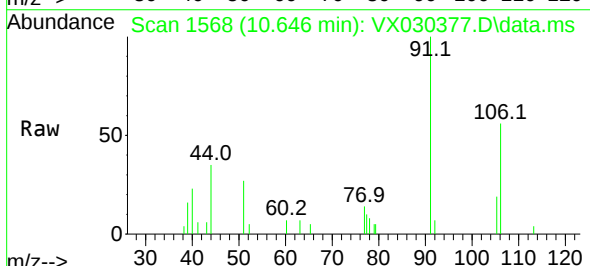
Acq: 03 Aug 2022 17:44

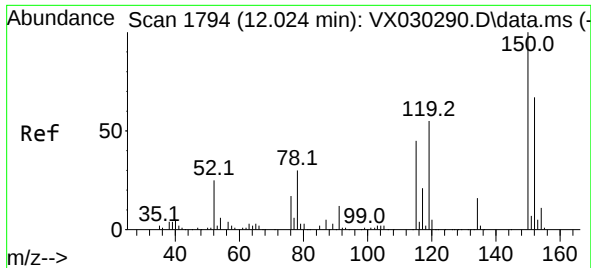
Tgt Ion:106 Resp: 979

Ion Ratio Lower Upper

106 100

91 183.2 103.8 311.6

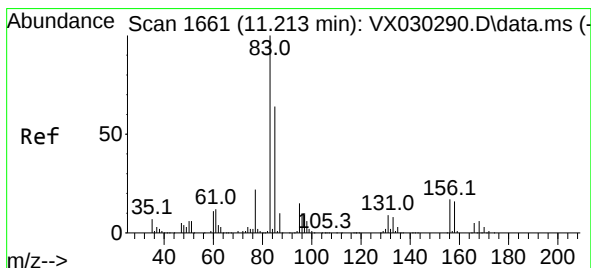
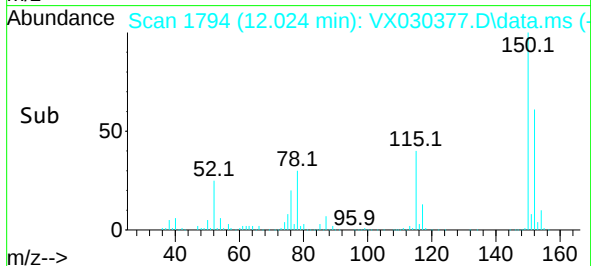
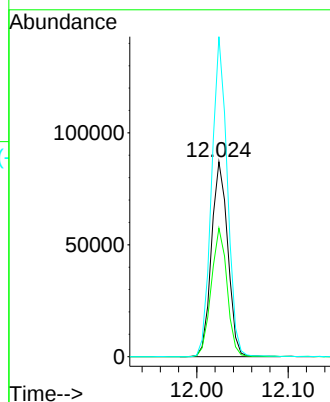
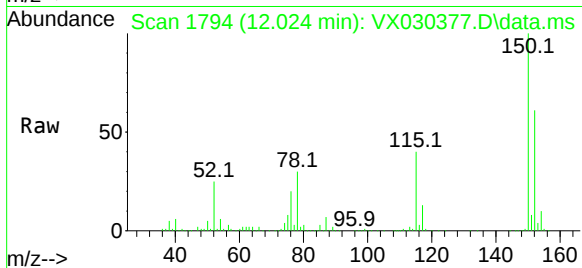




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030377.D
 Acq: 03 Aug 2022 17:44

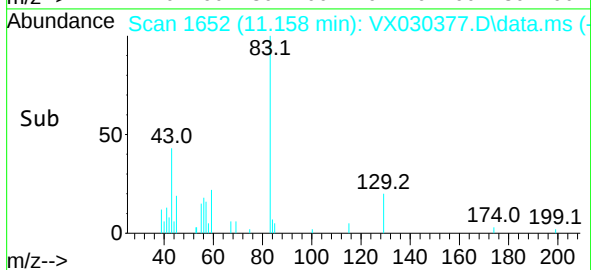
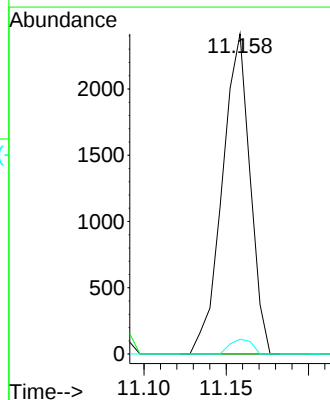
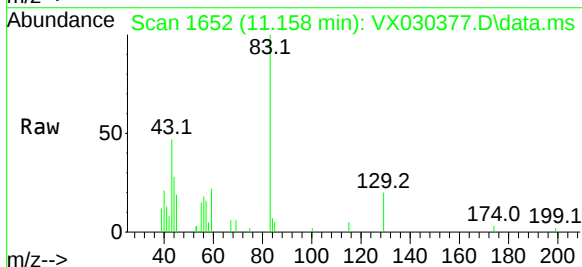
Instrument :
 MSVOA_X
 ClientSampleId :
 33773-74

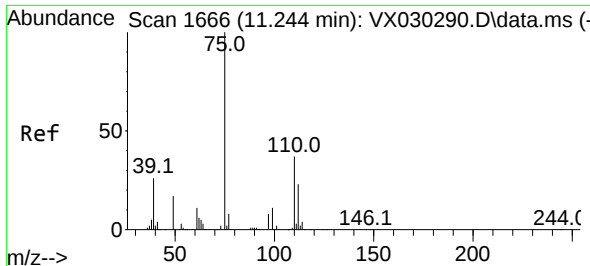
Tgt Ion:152 Resp: 107688
 Ion Ratio Lower Upper
 152 100
 115 63.9 40.5 121.5
 150 157.8 0.0 347.0



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.921 ug/l
 RT: 11.158 min Scan# 1652
 Delta R.T. -0.055 min
 Lab File: VX030377.D
 Acq: 03 Aug 2022 17:44

Tgt Ion: 83 Resp: 2834
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.5 13.7#
 85 3.7 32.5 97.5#

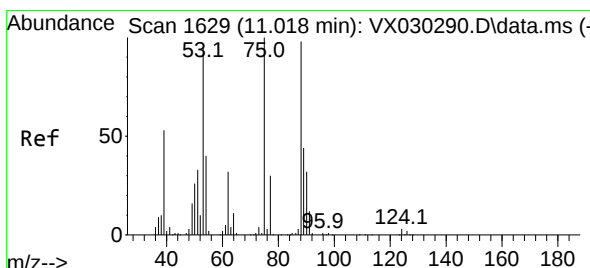
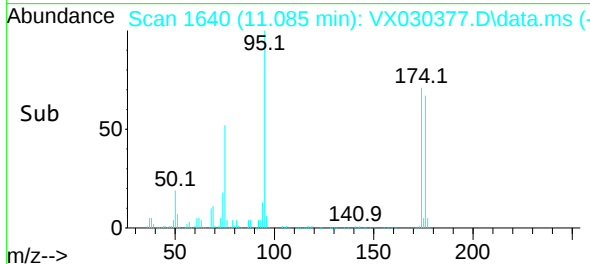
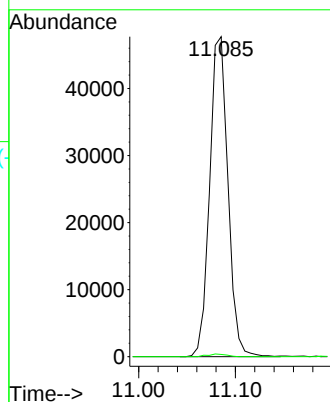
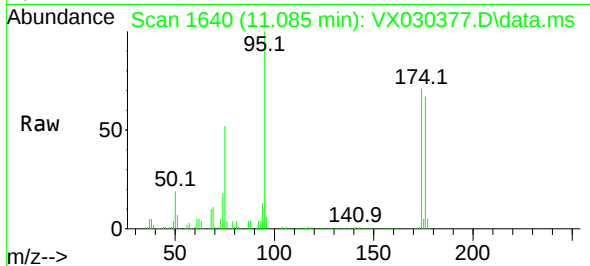




#76
1,2,3-Trichloropropane
Concen: 22.035 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

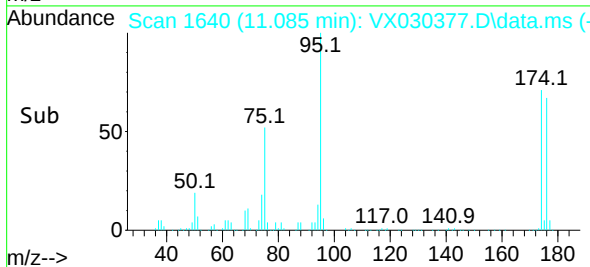
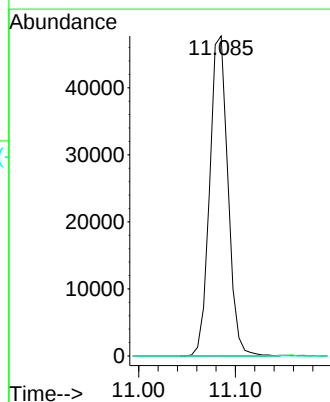
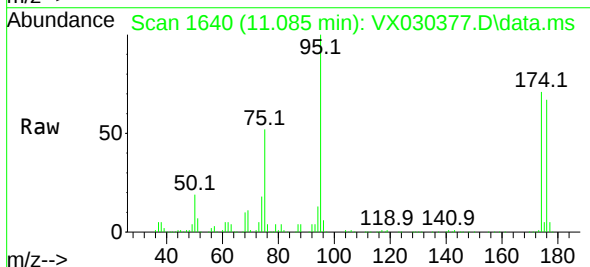
Instrument :
MSVOA_X
ClientSampleId :
33773-74

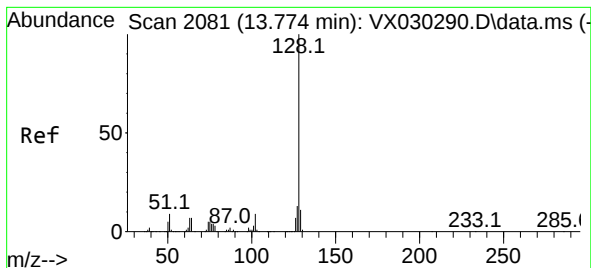
Tgt Ion: 75 Resp: 62548
Ion Ratio Lower Upper
75 100
77 0.9 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.103 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030377.D
Acq: 03 Aug 2022 17:44

Tgt Ion: 75 Resp: 62548
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#





#95

Naphthalene

Concen: 1.093 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX030377.D

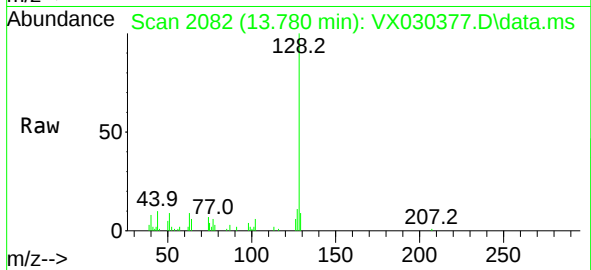
Acq: 03 Aug 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

33773-74



Tgt Ion:128 Resp: 9326

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.2

129 9.8 8.6 13.0

