

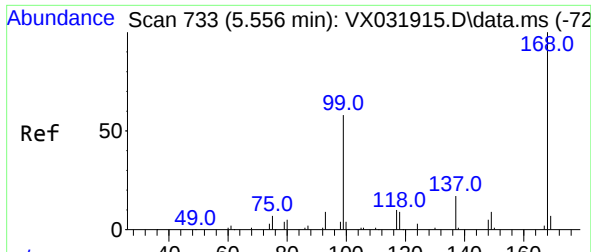
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032058.D
 Acq On : 12 Oct 2022 03:55
 Operator : JC/MD
 Sample : N5066-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-1(10-11)

Quant Time: Oct 12 06:22:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

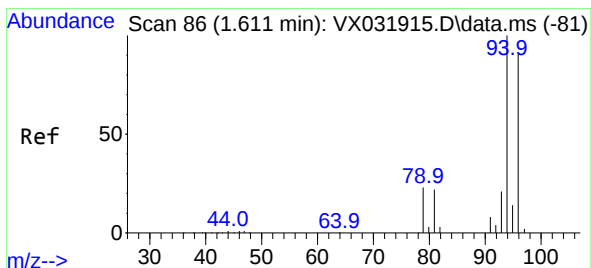
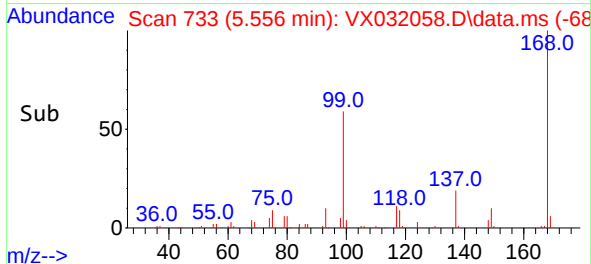
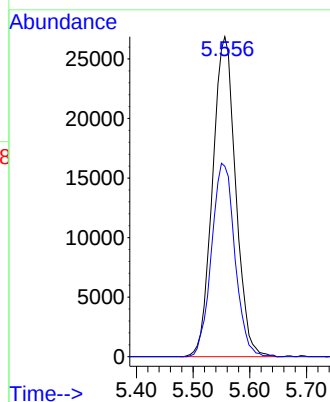
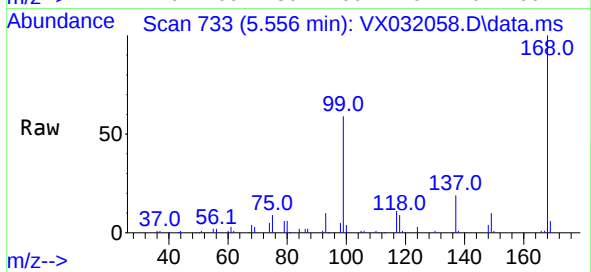
Internal Standards						
1) Pentafluorobenzene	5.556	168	75962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	116364	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81997	52.268	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.540%			
35) Dibromofluoromethane	5.385	113	63788	48.428	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.860%			
50) Toluene-d8	8.647	98	242035	51.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.140%			
62) 4-Bromofluorobenzene	11.079	95	82248	49.086	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.180%			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	368	Below Cal	#	71
10) Methyl Iodide	2.459	142	331	3.000	ug/l #	88
11) Tert butyl alcohol	2.995	59	130	0.666	ug/l #	73
13) Acrolein	2.239	56	55	Below Cal	#	70
16) Acetone	2.386	43	22675	42.529	ug/l	100
17) Carbon Disulfide	2.514	76	854	0.344	ug/l #	75
18) Methyl Acetate	2.703	43	821	0.467	ug/l #	85
20) Methylene Chloride	2.788	84	7376	5.265	ug/l	88
25) 2-Butanone	4.568	43	2977	3.572	ug/l #	85
29) Tetrahydrofuran	5.026	42	600	1.116	ug/l #	43
31) Cyclohexane	5.544	56	1911	1.020	ug/l #	37
36) 1,1-Dichloropropene	5.550	75	6642	3.803	ug/l #	50
37) Ethyl Acetate	4.715	43	13046	7.934	ug/l	98



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

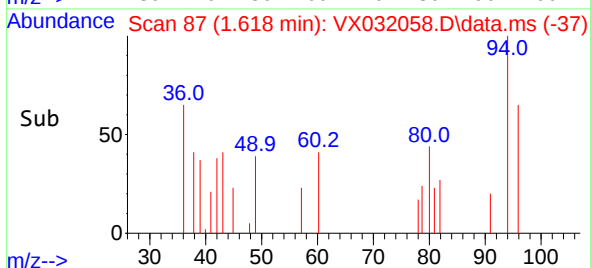
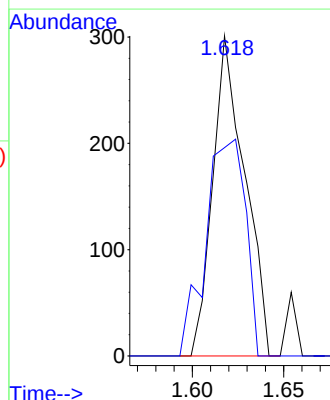
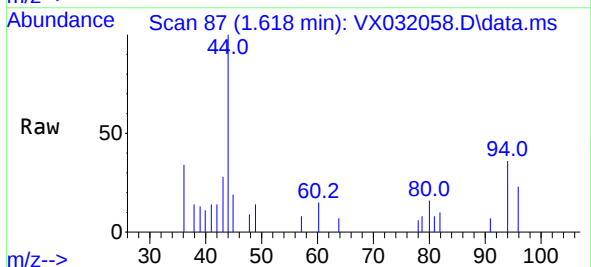
Instrument :
MSVOA_X
ClientSampleId :
B-1(10-11)

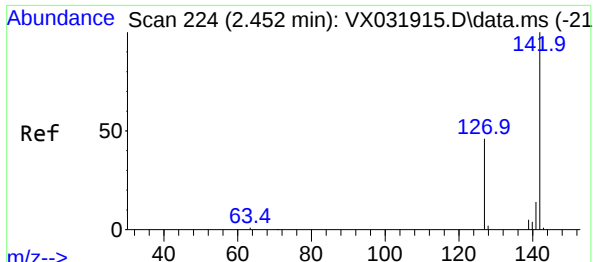
Tgt Ion:168 Resp: 75962
Ion Ratio Lower Upper
168 100
99 59.5 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

Tgt Ion: 94 Resp: 368
Ion Ratio Lower Upper
94 100
96 65.1 74.4 111.6#

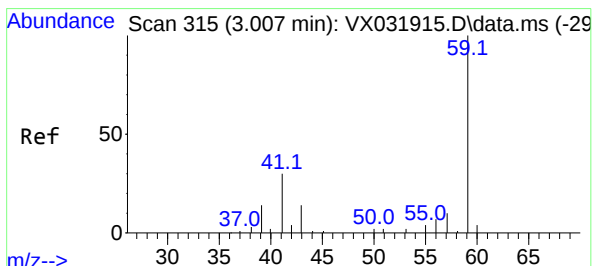
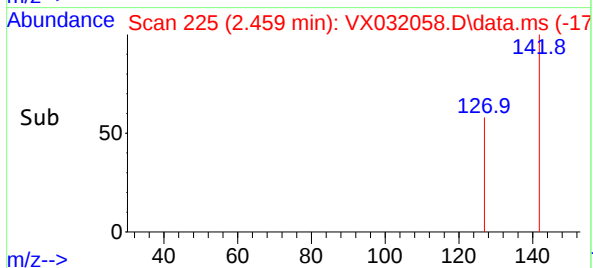
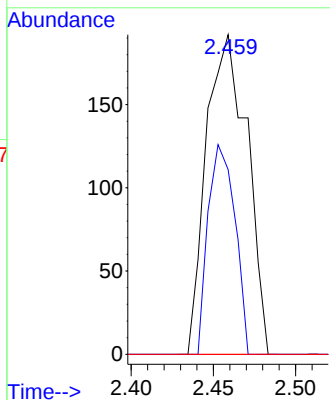
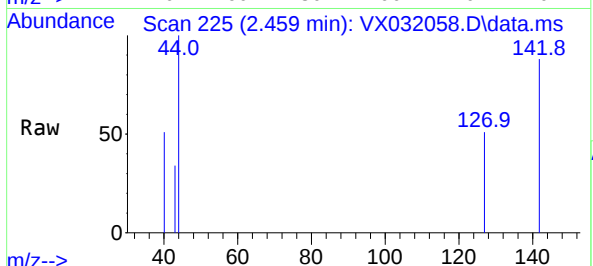




#10
Methyl Iodide
Concen: 3.000 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

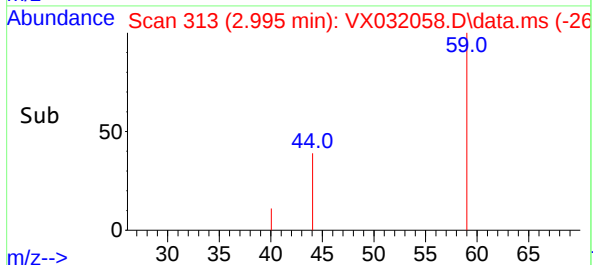
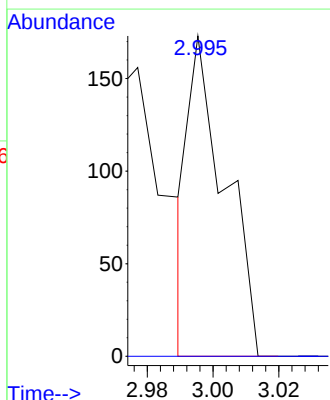
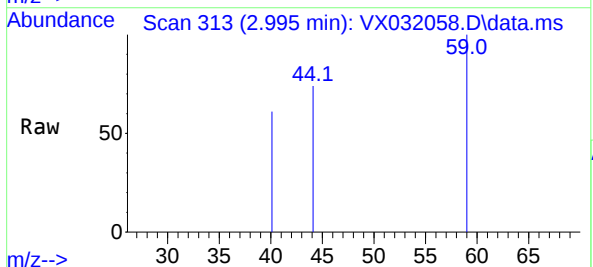
Instrument :
MSVOA_X
ClientSampleId :
B-1(10-11)

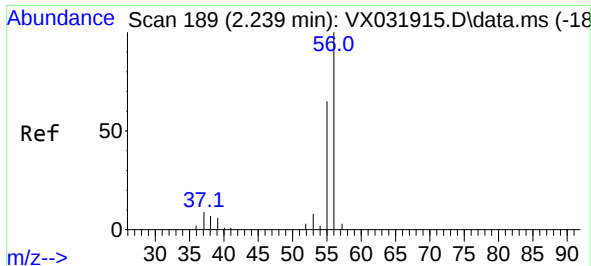
Tgt Ion:142 Resp: 331
Ion Ratio Lower Upper
142 100
127 43.2 37.4 56.0
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.666 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.012 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

Tgt Ion: 59 Resp: 130
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

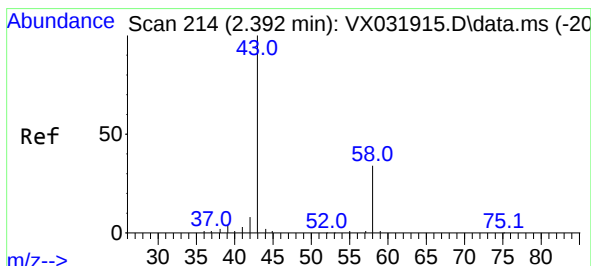
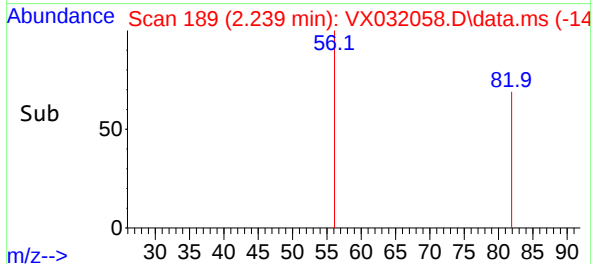
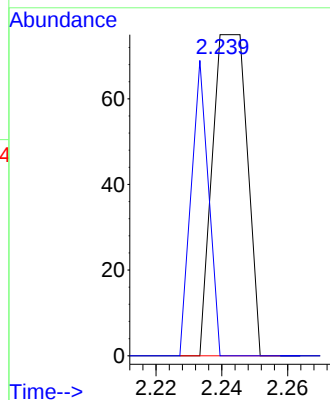
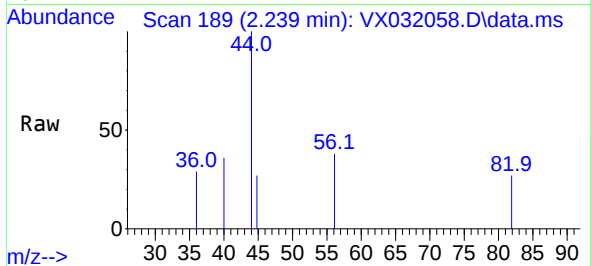




#13
Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

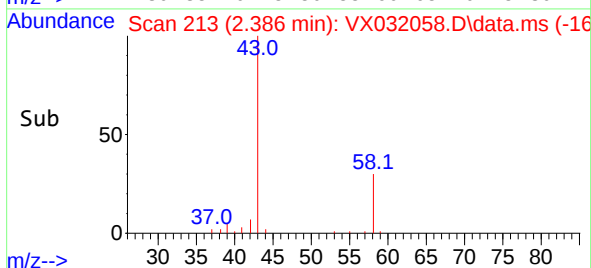
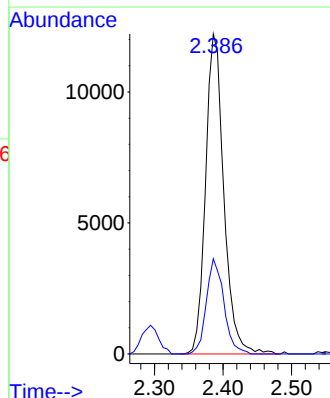
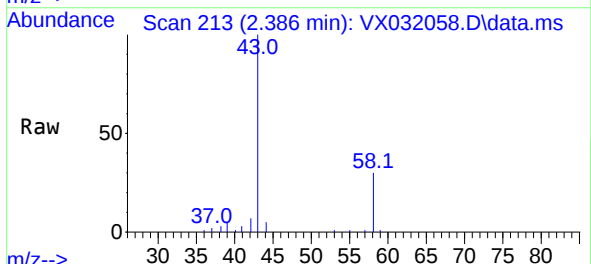
Instrument :
MSVOA_X
ClientSampleId :
B-1(10-11)

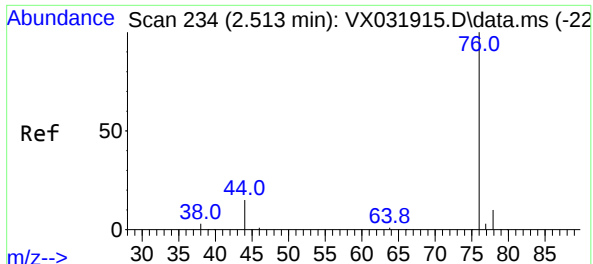
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 45.5 56.0 84.0#



#16
Acetone
Concen: 42.529 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

Tgt Ion: 43 Resp: 22675
Ion Ratio Lower Upper
43 100
58 29.7 23.8 35.8

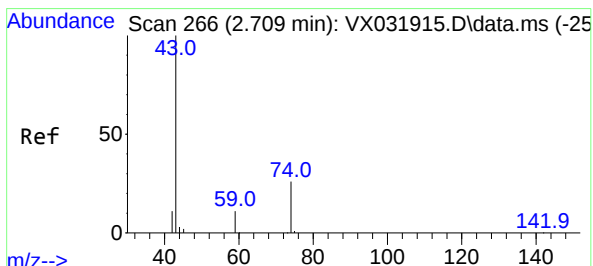
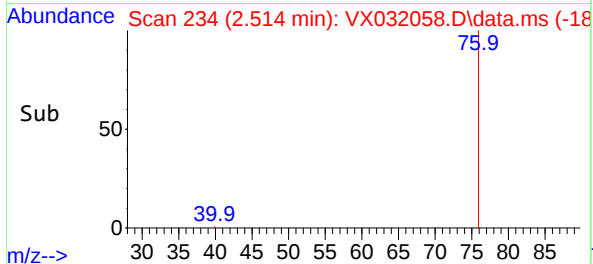
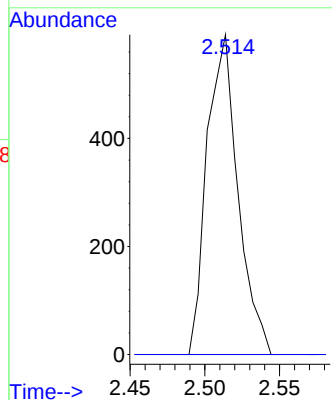
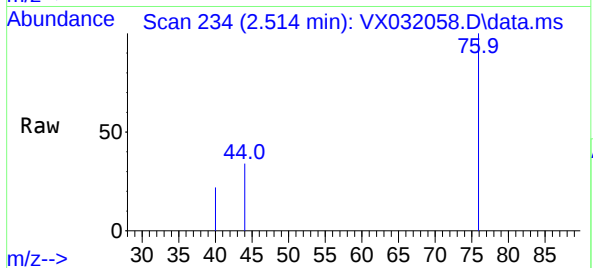




#17
Carbon Disulfide
Concen: 0.344 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

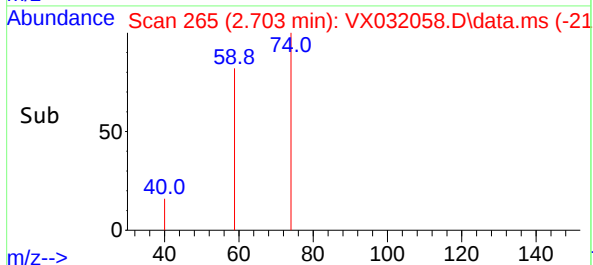
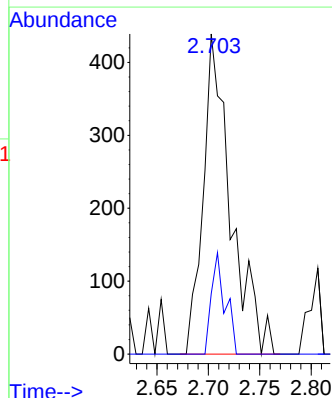
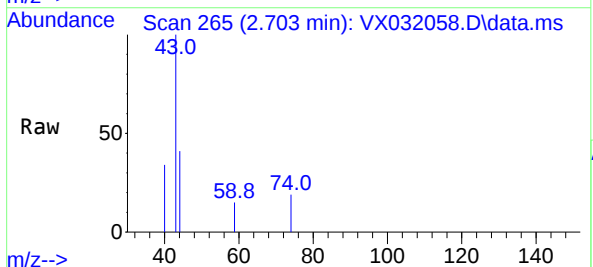
Instrument :
MSVOA_X
ClientSampleId :
B-1(10-11)

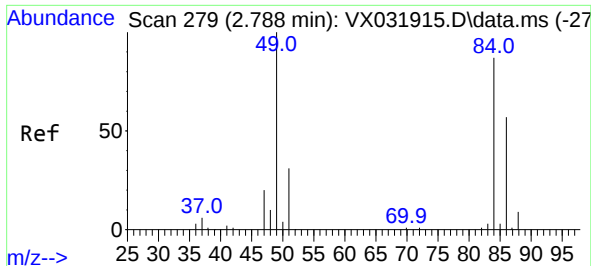
Tgt Ion: 76 Resp: 854
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.467 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
74 15.8 18.6 27.8#





#20

Methylene Chloride

Concen: 5.265 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

Instrument :

MSVOA_X

ClientSampleId :

B-1(10-11)

Tgt Ion: 84 Resp: 7376

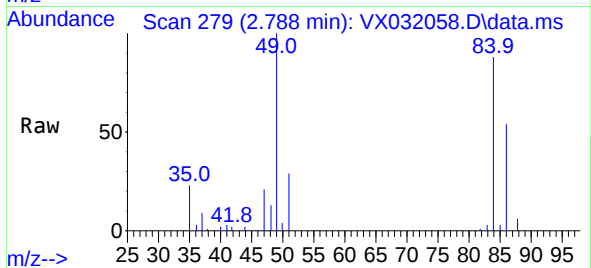
Ion Ratio Lower Upper

84 100

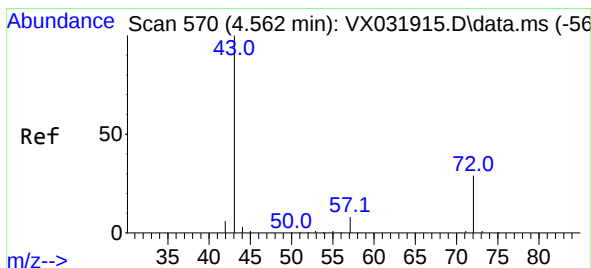
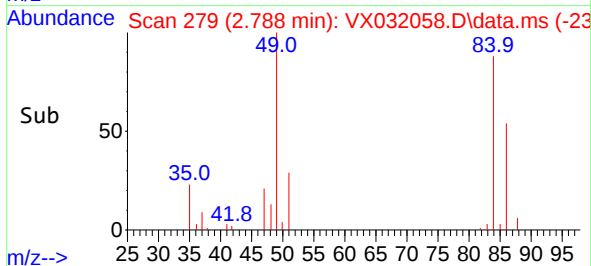
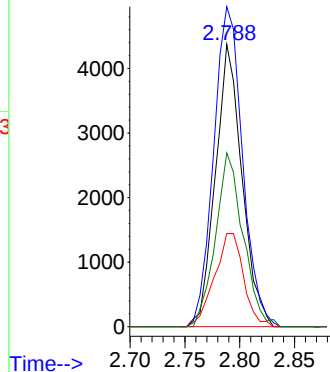
49 113.4 105.9 158.9

51 33.0 32.2 48.2

86 61.6 50.8 76.2



Abundance



#25

2-Butanone

Concen: 3.572 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX032058.D

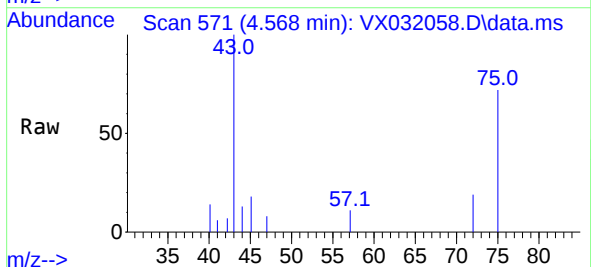
Acq: 12 Oct 2022 03:55

Tgt Ion: 43 Resp: 2977

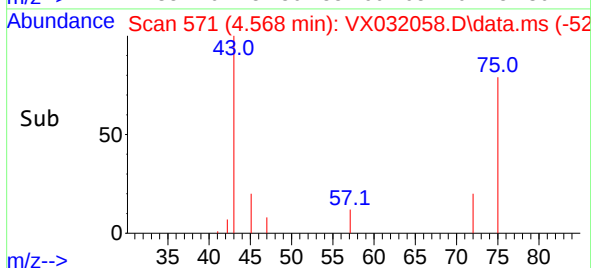
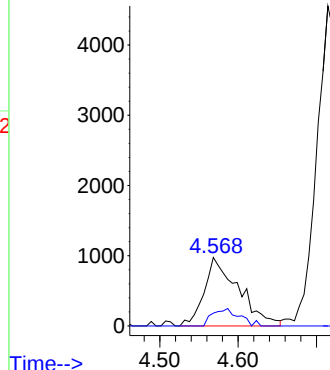
Ion Ratio Lower Upper

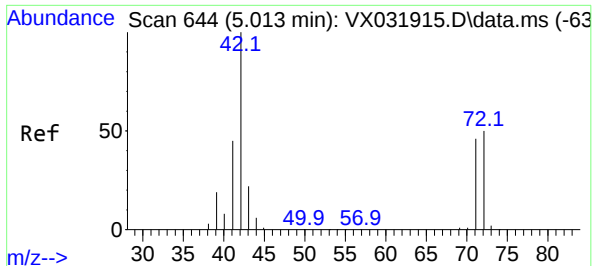
43 100

72 18.6 21.1 31.7#



Abundance





#29

Tetrahydrofuran

Concen: 1.116 ug/l

RT: 5.026 min Scan# 644

Delta R.T. 0.013 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

Instrument :

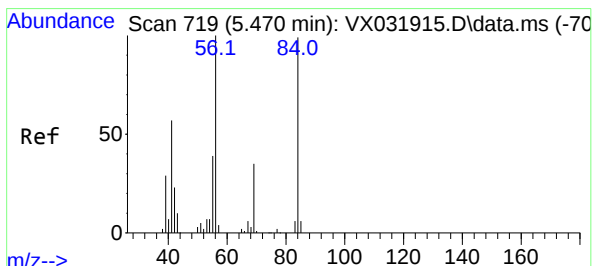
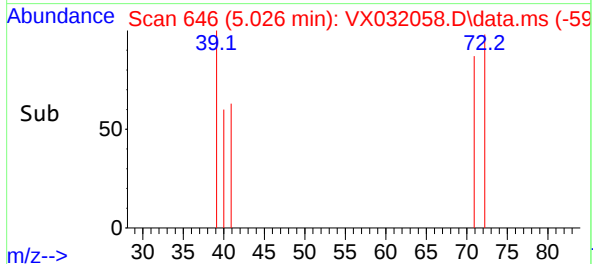
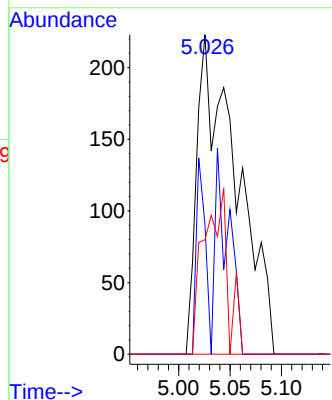
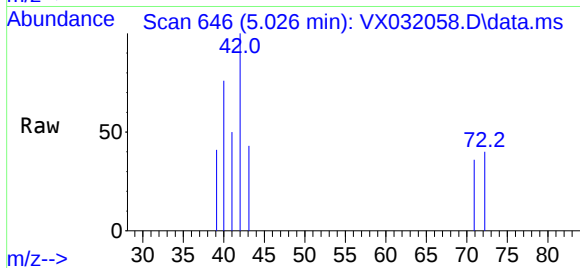
MSVOA_X

ClientSampleId :

B-1(10-11)

Tgt Ion: 42 Resp: 600

Ion	Ratio	Lower	Upper
42	100		
72	13.8	36.4	54.6#
71	0.0	33.5	50.3#



#31

Cyclohexane

Concen: 1.020 ug/l

RT: 5.544 min Scan# 731

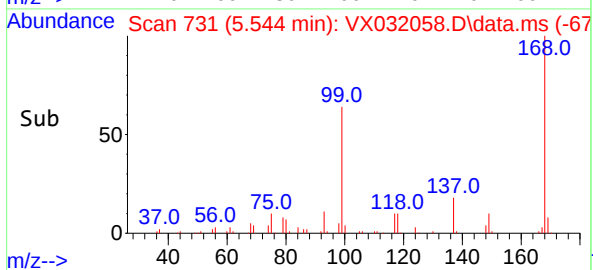
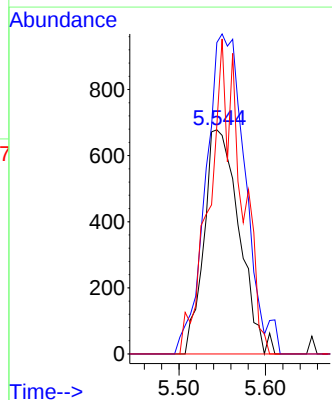
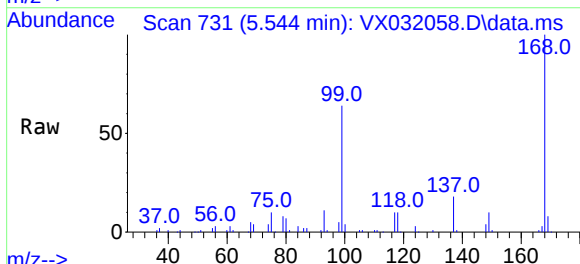
Delta R.T. 0.074 min

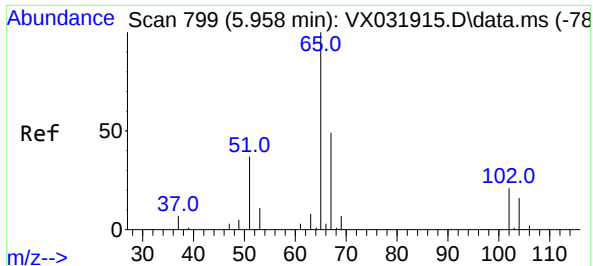
Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

Tgt Ion: 56 Resp: 1911

Ion	Ratio	Lower	Upper
56	100		
69	138.9	25.1	37.7#
84	102.1	70.2	105.4





#33

1,2-Dichloroethane-d4

Concen: 52.268 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

Instrument :

MSVOA_X

ClientSampleId :

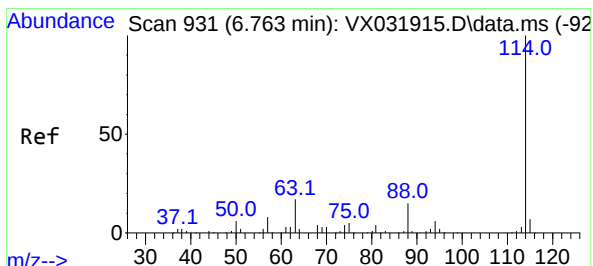
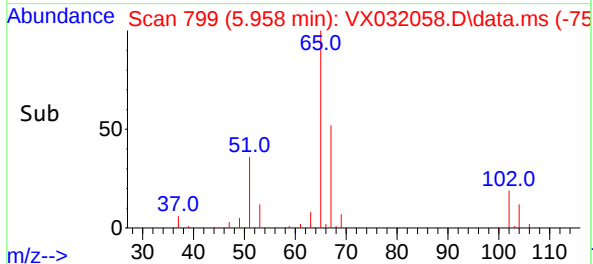
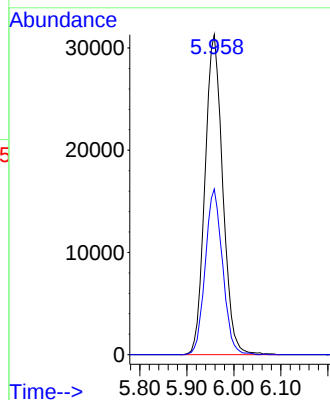
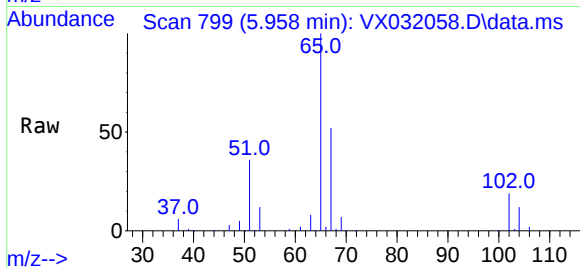
B-1(10-11)

Tgt Ion: 65 Resp: 81997

Ion Ratio Lower Upper

65 100

67 50.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

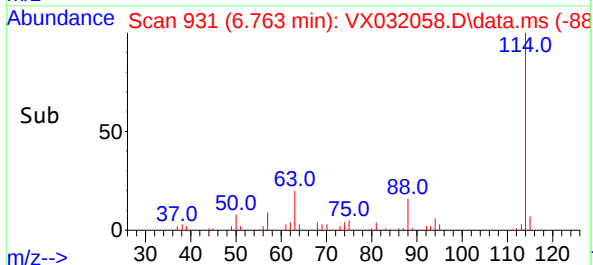
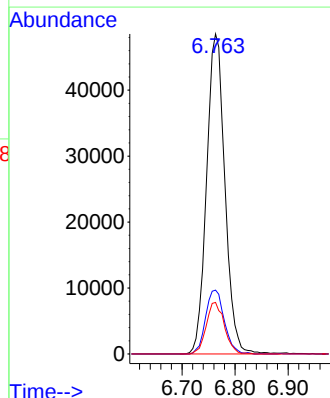
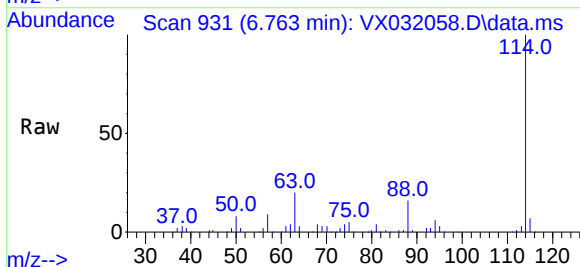
Tgt Ion: 114 Resp: 116364

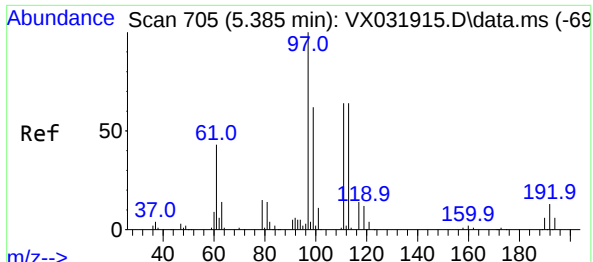
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 16.1 0.0 33.0

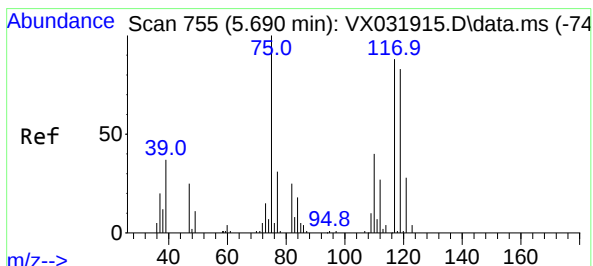
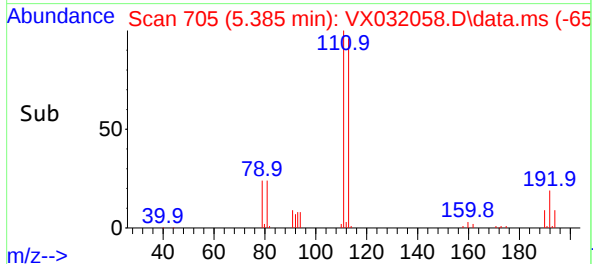
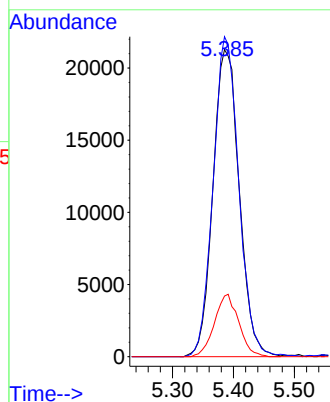
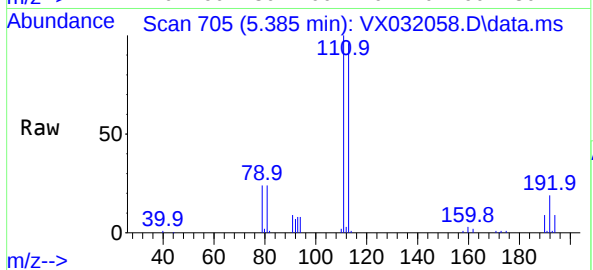




#35
Dibromofluoromethane
Concen: 48.428 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

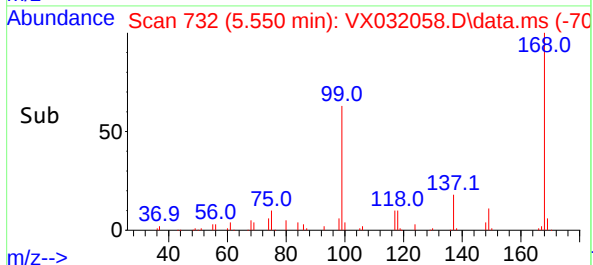
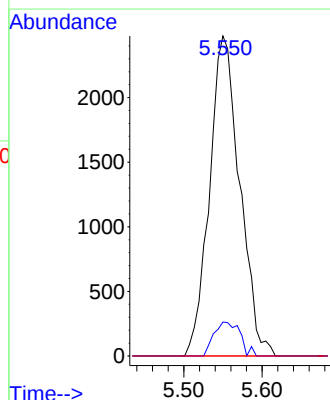
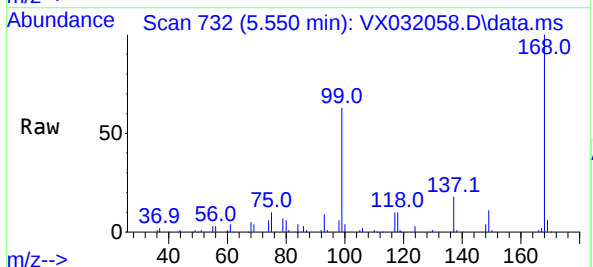
Instrument :
MSVOA_X
ClientSampleId :
B-1(10-11)

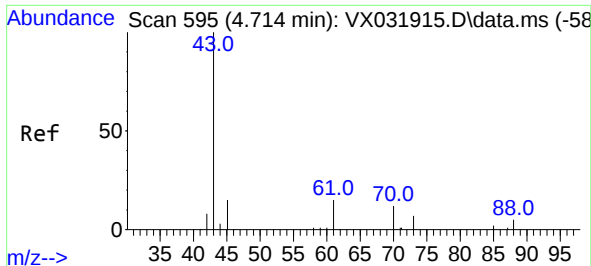
Tgt Ion:113 Resp: 63788
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 18.8 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.803 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

Tgt Ion: 75 Resp: 6642
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 7.934 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.001 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

Instrument :

MSVOA_X

ClientSampleId :

B-1(10-11)

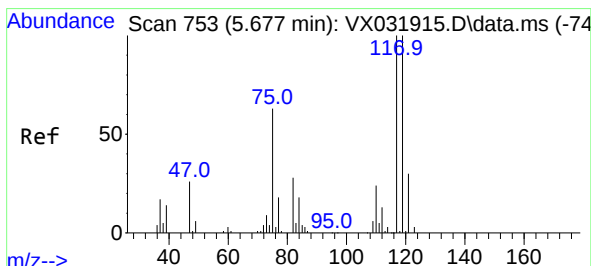
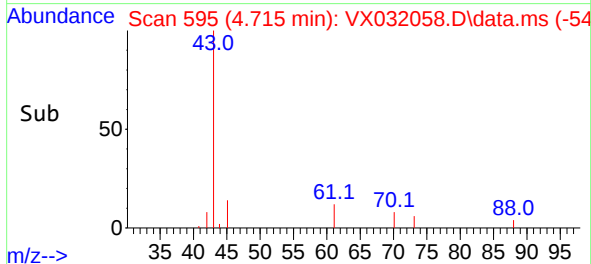
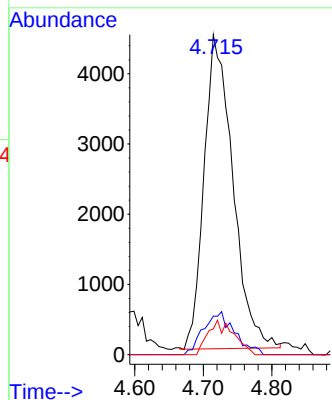
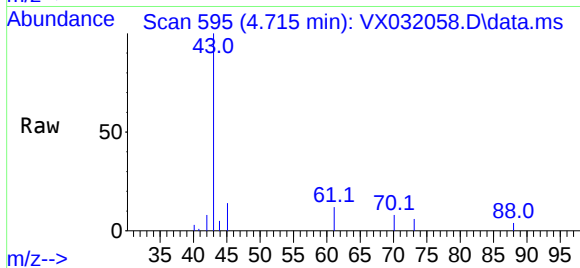
Tgt Ion: 43 Resp: 13046

Ion Ratio Lower Upper

43 100

61 14.7 11.1 16.7

70 9.8 8.6 13.0



#38

Carbon Tetrachloride

Concen: 4.478 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

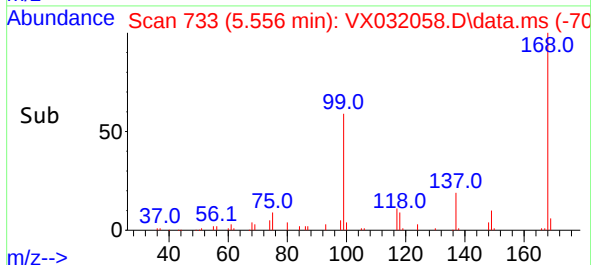
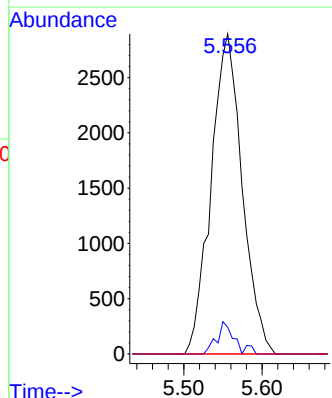
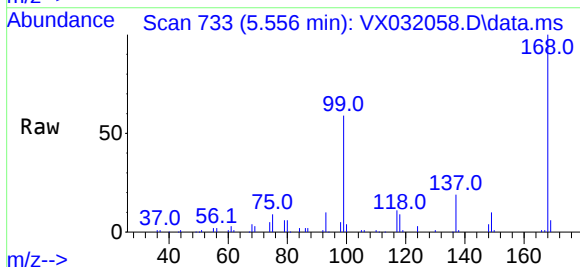
Tgt Ion: 117 Resp: 7998

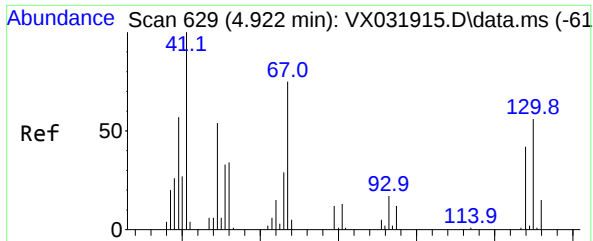
Ion Ratio Lower Upper

117 100

119 8.3 74.6 112.0#

121 0.0 25.3 37.9#

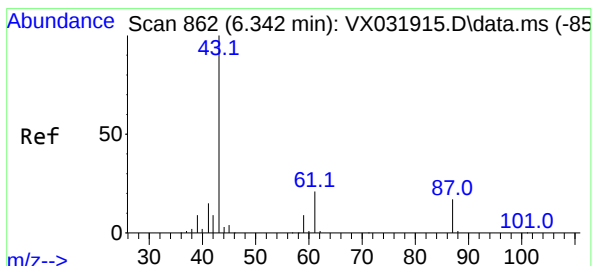
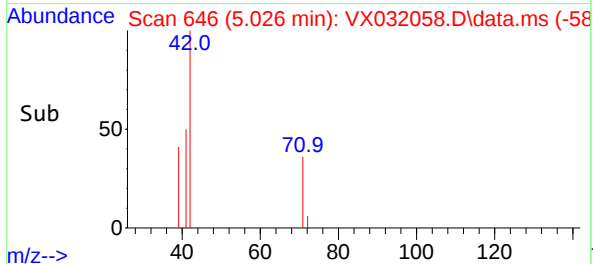
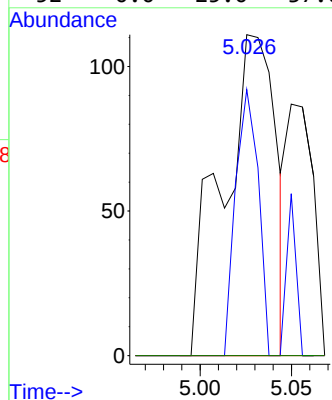
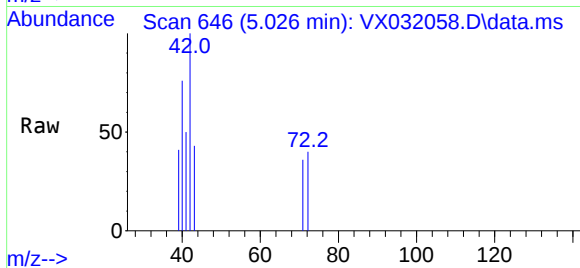




#41
Methacrylonitrile
Concen: 0.263 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

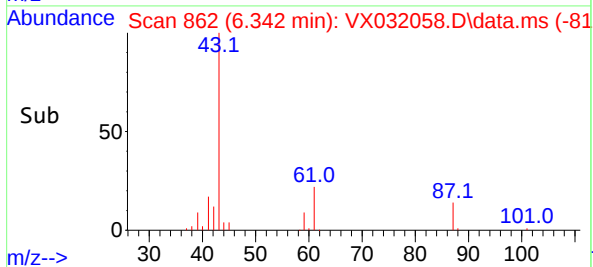
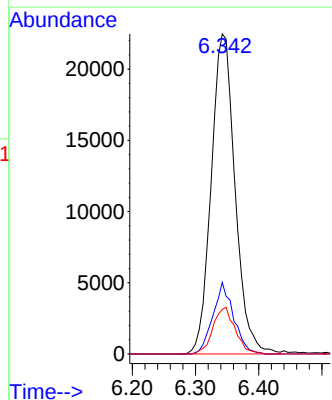
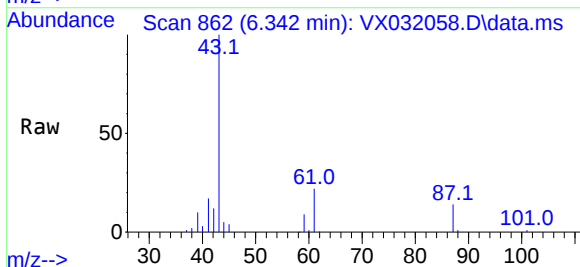
Instrument :
MSVOA_X
ClientSampleId :
B-1(10-11)

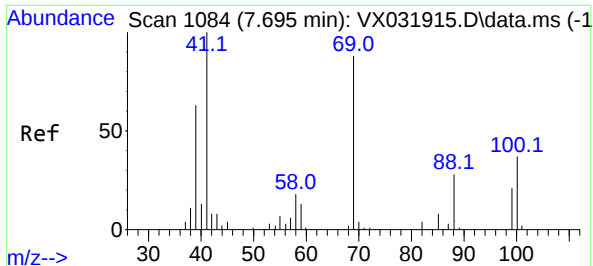
Tgt Ion: 41 Resp: 225
Ion Ratio Lower Upper
41 100
39 35.1 45.0 67.6#
67 0.0 58.2 87.4#
52 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 23.580 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

Tgt Ion: 43 Resp: 58830
Ion Ratio Lower Upper
43 100
61 19.4 15.3 22.9
87 13.6 10.6 15.8

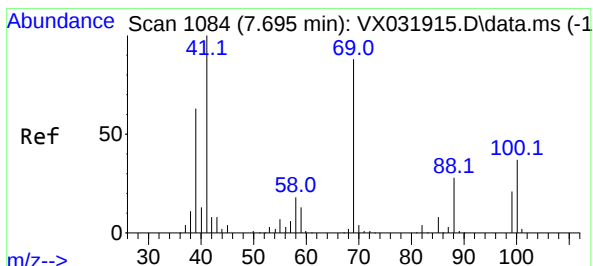
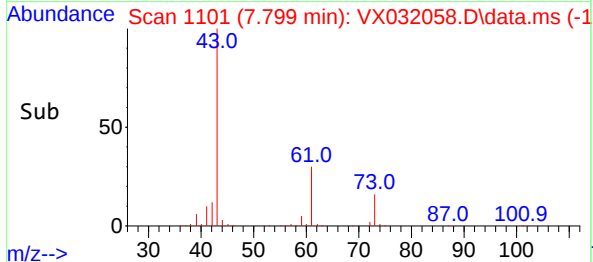
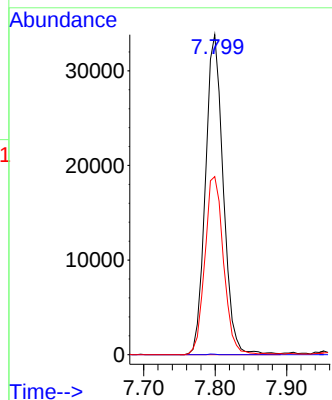
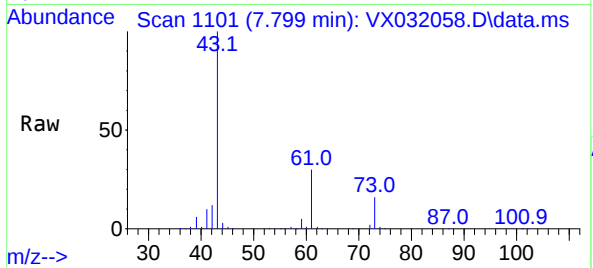




#48
Methyl methacrylate
Concen: 49.203 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

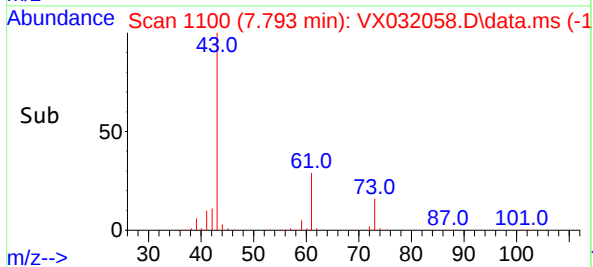
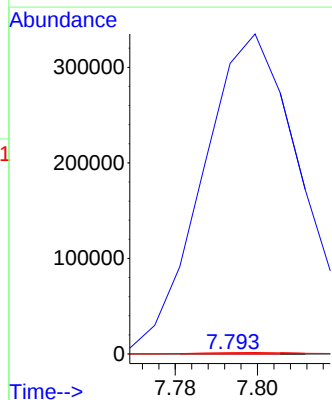
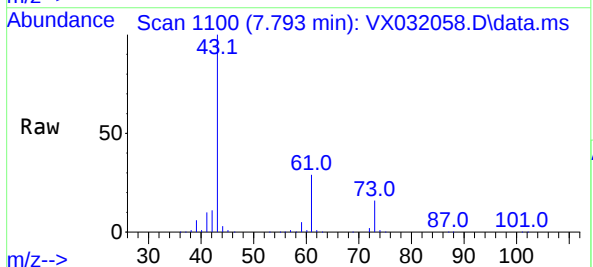
Instrument :
MSVOA_X
ClientSampleId :
B-1(10-11)

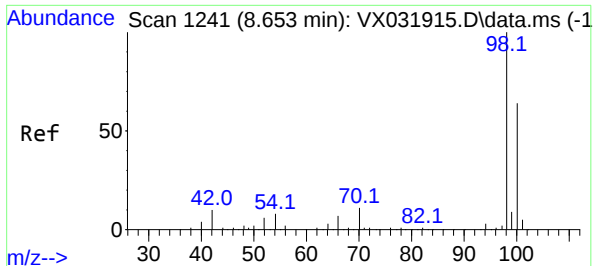
Tgt Ion: 41 Resp: 58659
Ion Ratio Lower Upper
41 100
69 0.1 64.6 96.8#
39 58.1 51.4 77.0



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.793 min Scan# 1100
Delta R.T. 0.098 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 2606418.2 27.1 40.7#
58 11795.5 53.9 80.9#





#50

Toluene-d8

Concen: 51.066 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

Instrument :

MSVOA_X

ClientSampleId :

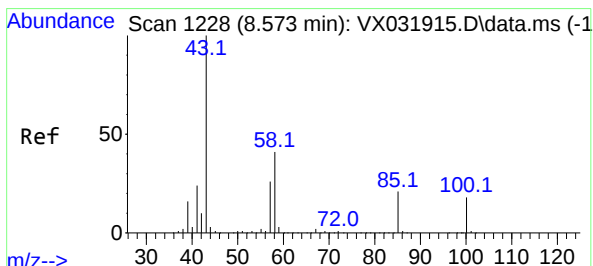
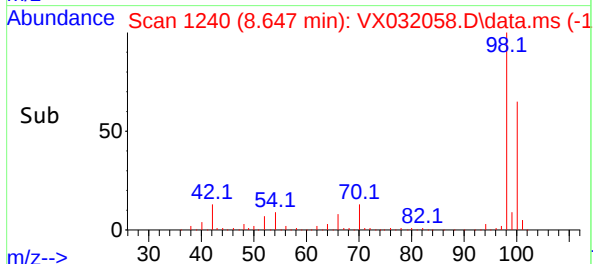
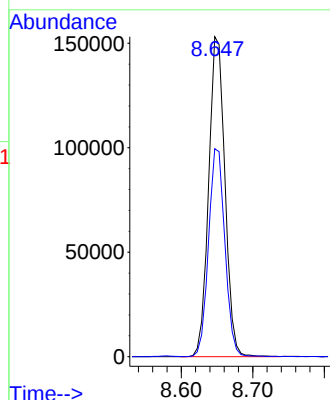
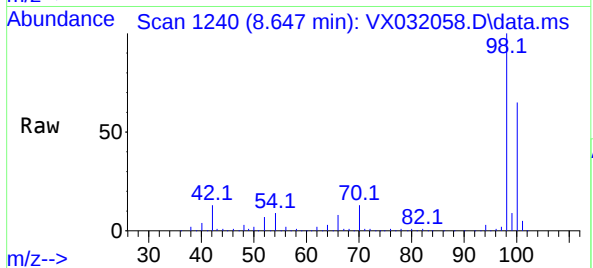
B-1(10-11)

Tgt Ion: 98 Resp: 242035

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 29.921 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX032058.D

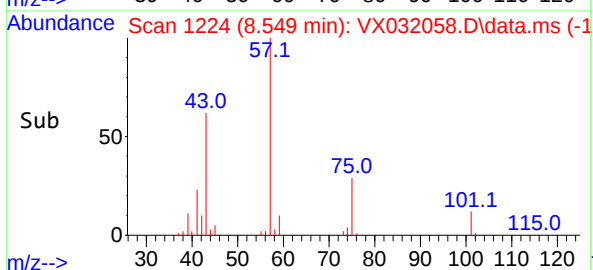
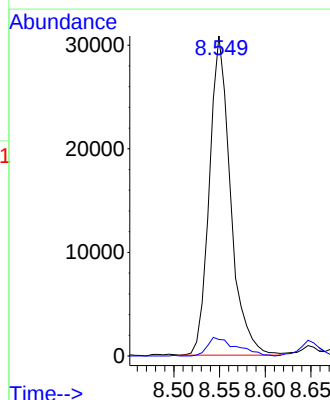
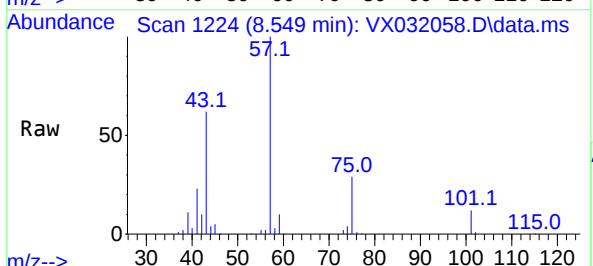
Acq: 12 Oct 2022 03:55

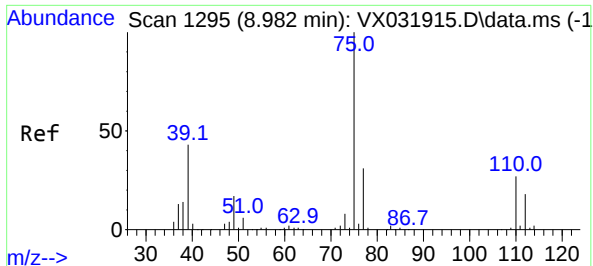
Tgt Ion: 43 Resp: 49469

Ion Ratio Lower Upper

43 100

58 7.9 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 1.426 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

Instrument :

MSVOA_X

ClientSampleId :

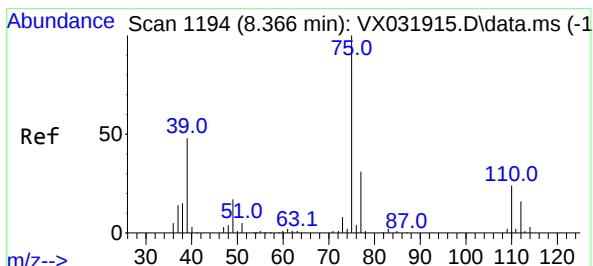
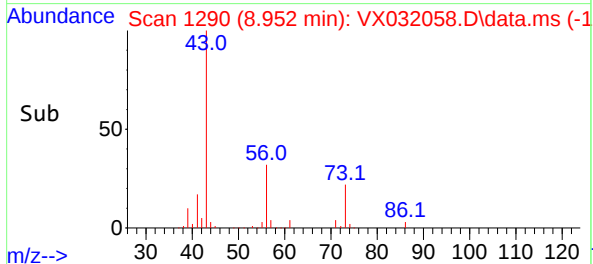
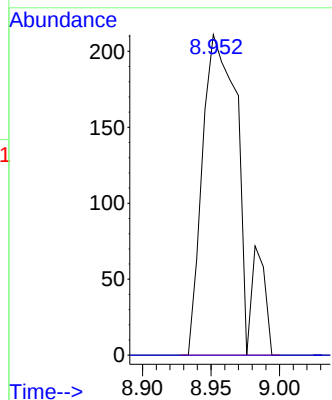
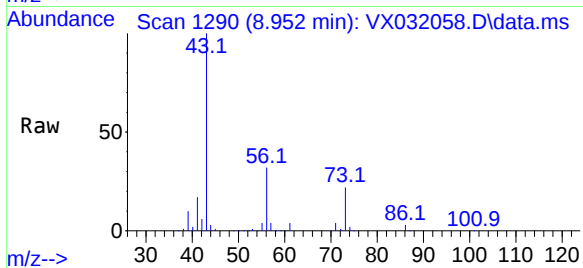
B-1(10-11)

Tgt Ion: 75 Resp: 406

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#



#54

cis-1,3-Dichloropropene

Concen: 12.351 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

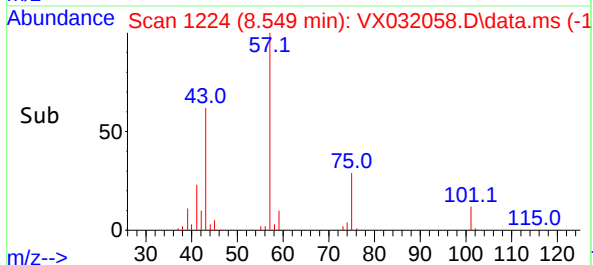
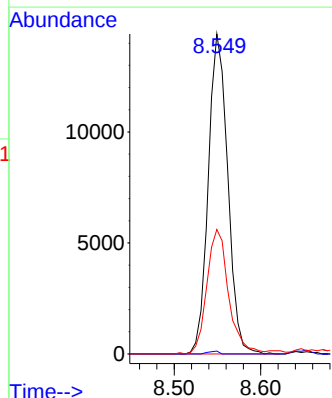
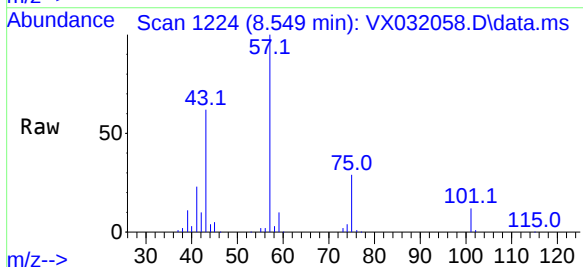
Tgt Ion: 75 Resp: 22509

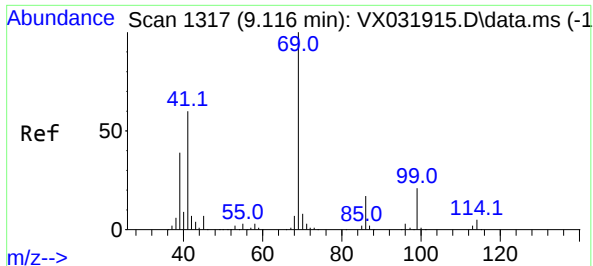
Ion Ratio Lower Upper

75 100

77 0.9 24.4 36.6#

39 38.5 43.7 65.5#





#56

Ethyl methacrylate

Concen: 0.259 ug/l

RT: 9.250 min Scan# 11

Delta R.T. 0.134 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

Instrument :

MSVOA_X

ClientSampleId :

B-1(10-11)

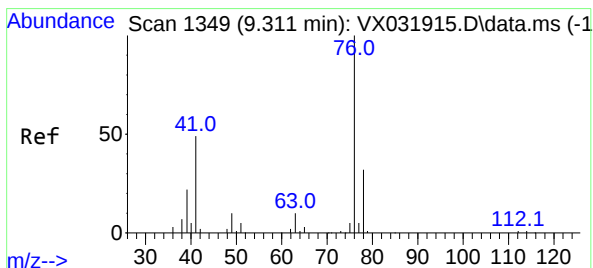
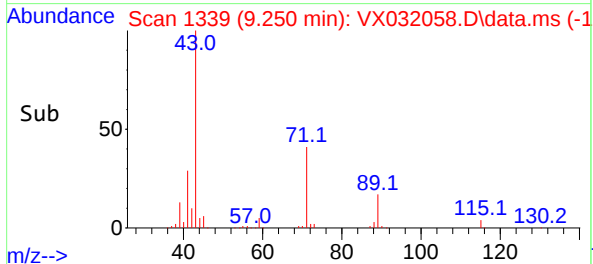
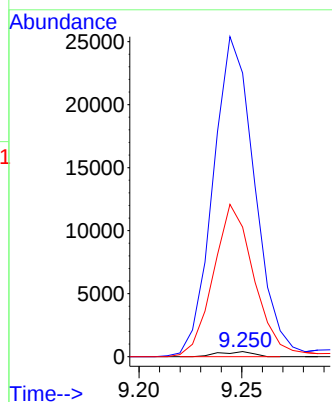
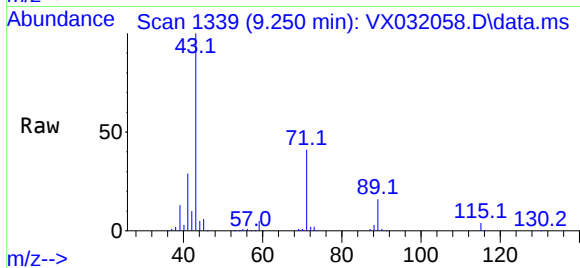
Tgt Ion: 69 Resp: 468

Ion Ratio Lower Upper

69 100

41 7657.7 54.2 81.4#

39 3587.6 34.2 51.2#



#57

1,3-Dichloropropane

Concen: 1.216 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX032058.D

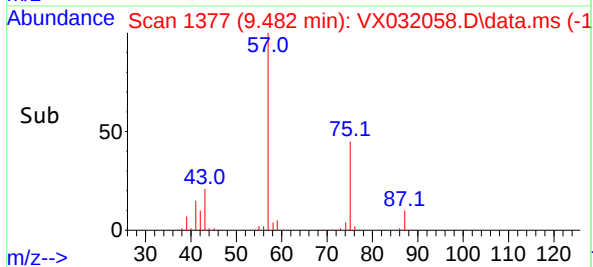
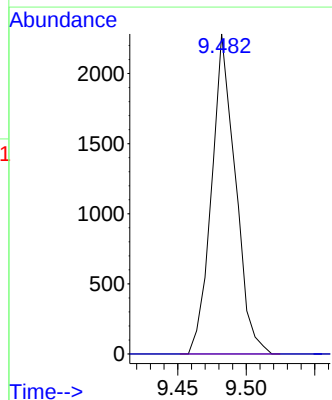
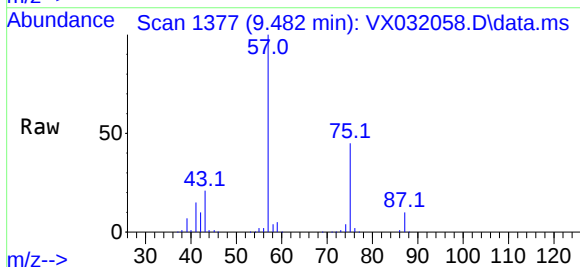
Acq: 12 Oct 2022 03:55

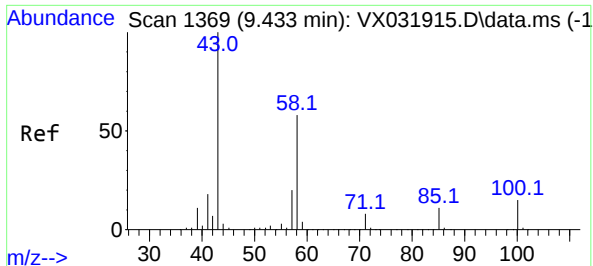
Tgt Ion: 76 Resp: 2759

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 33.274 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

Instrument :

MSVOA_X

ClientSampleId :

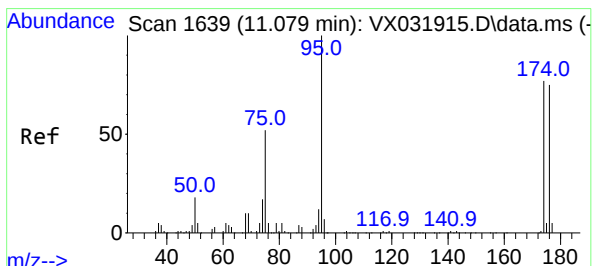
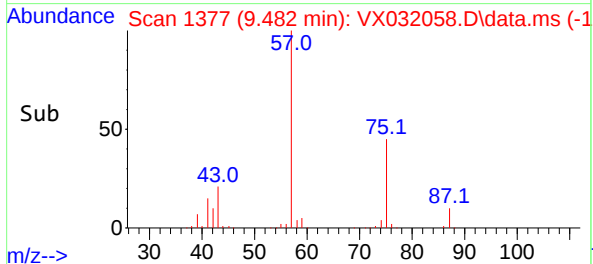
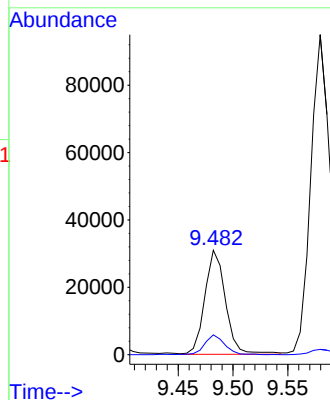
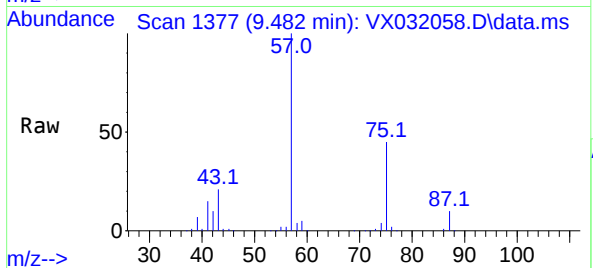
B-1(10-11)

Tgt Ion: 43 Resp: 40563

Ion Ratio Lower Upper

43 100

58 18.7 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 49.086 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032058.D

Acq: 12 Oct 2022 03:55

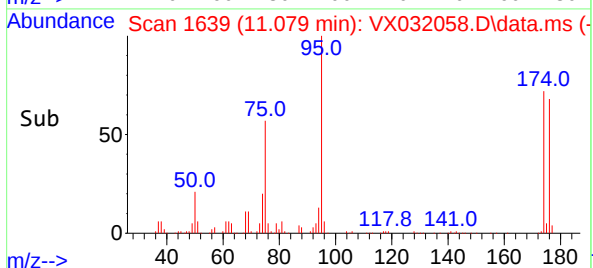
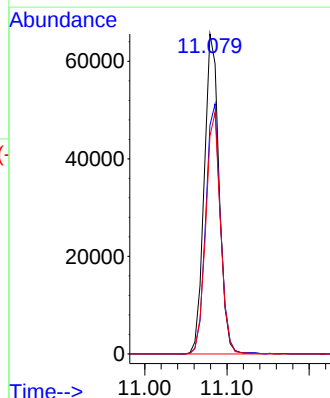
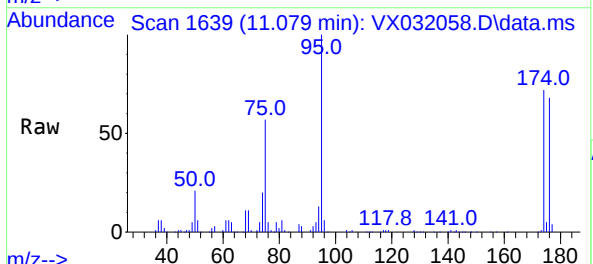
Tgt Ion: 95 Resp: 82248

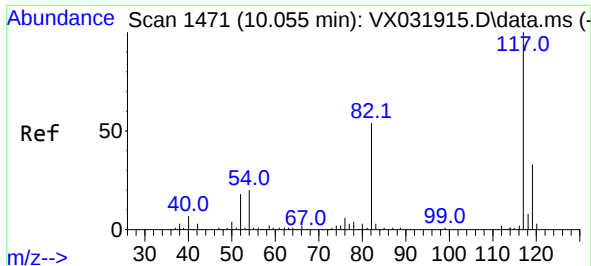
Ion Ratio Lower Upper

95 100

174 77.7 0.0 153.2

176 74.7 0.0 144.0

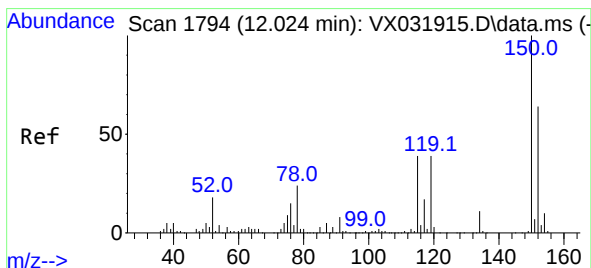
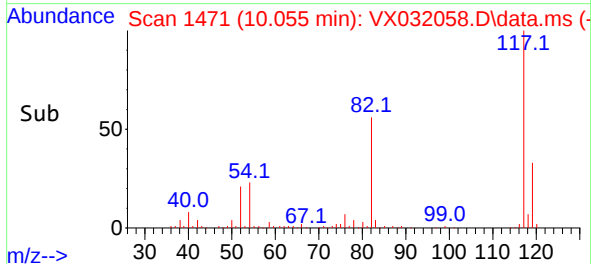
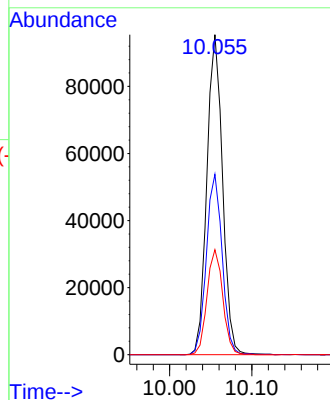
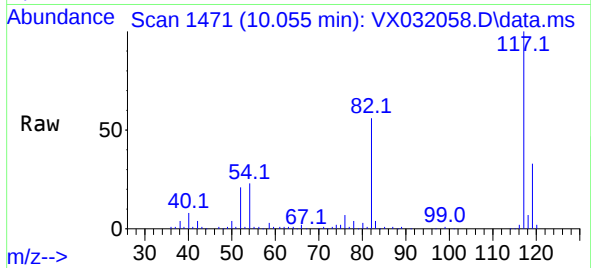




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

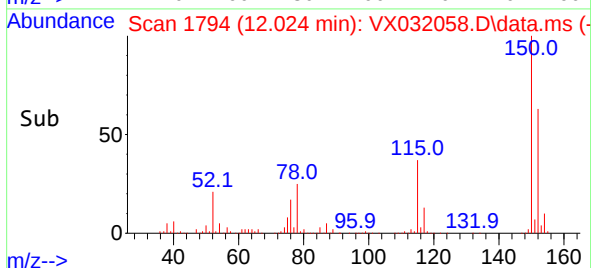
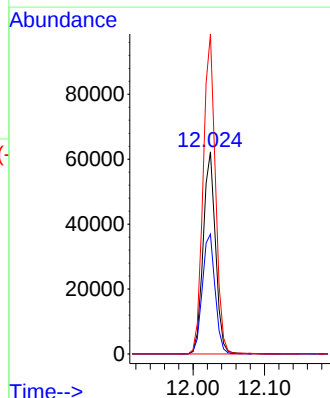
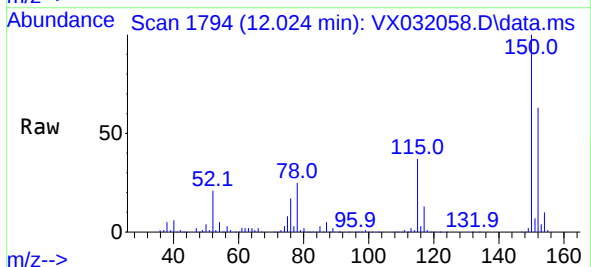
Instrument :
MSVOA_X
ClientSampleId :
B-1(10-11)

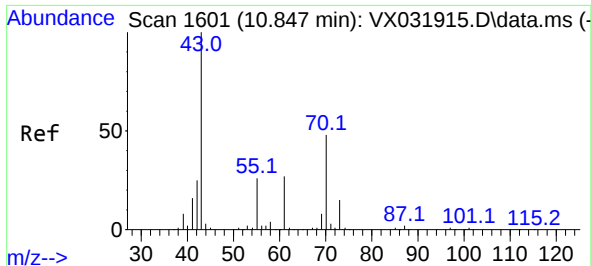
Tgt Ion:117 Resp: 126278
Ion Ratio Lower Upper
117 100
82 56.3 46.8 70.2
119 32.8 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

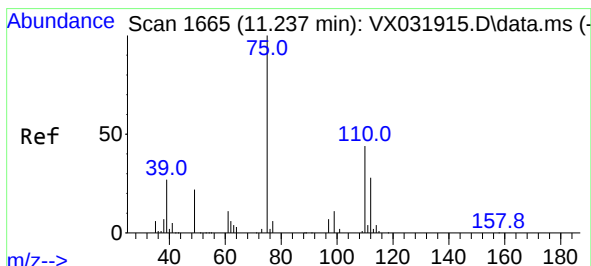
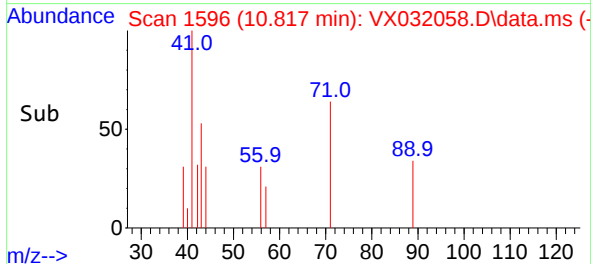
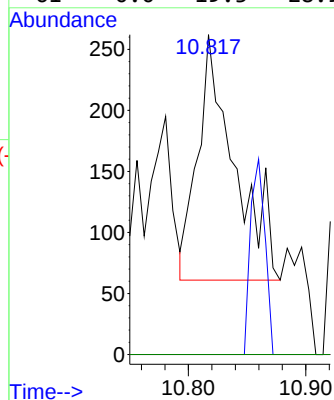
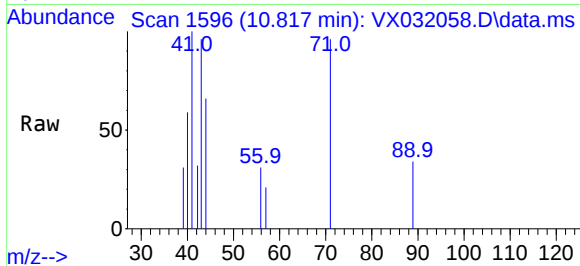
Tgt Ion:152 Resp: 74796
Ion Ratio Lower Upper
152 100
115 61.4 43.4 130.1
150 157.4 0.0 346.8





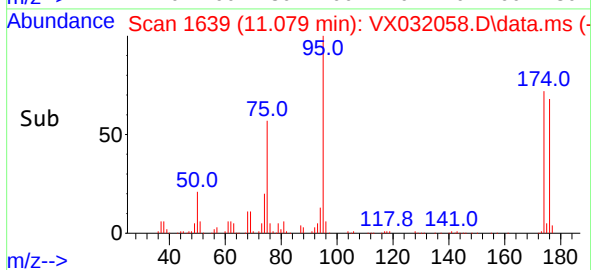
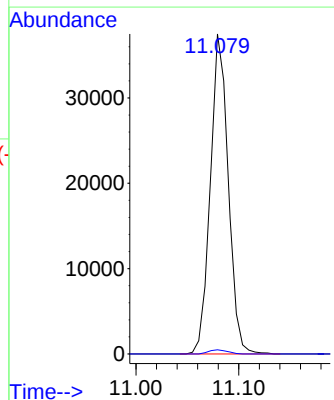
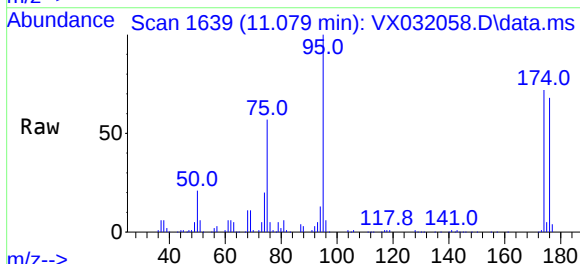
#74
N-amy1 acetate
Concen: 0.252 ug/l
RT: 10.817 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

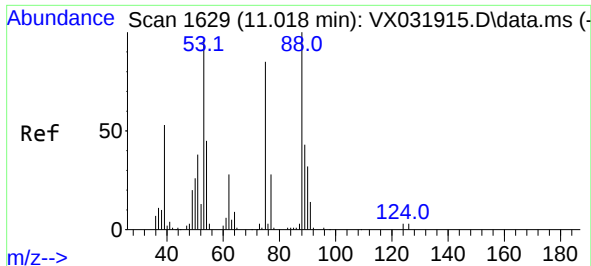
Instrument :
MSVOA_X
ClientSampleId :
B-1(10-11)



#76
1,2,3-Trichloropropane
Concen: 29.583 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

Tgt Ion: 75	Resp: 45349		
Ion	Ratio	Lower	Upper
75	100		
77	1.4	20.3	60.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 101.024 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX032058.D
Acq: 12 Oct 2022 03:55

Instrument :
MSVOA_X
ClientSampleId :
B-1(10-11)

Tgt Ion: 75 Resp: 45349
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

