

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031959.D
 Acq On : 07 Oct 2022 14:02
 Operator : JC/MD
 Sample : N4883-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB092722

Quant Time: Oct 08 05:10:54 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

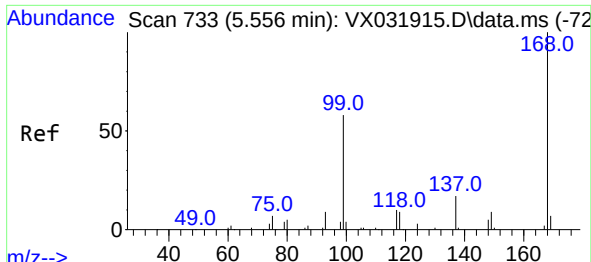
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	59377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	97572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66780	54.458	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.920%
35) Dibromofluoromethane	5.385	113	54868	49.679	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.360%
50) Toluene-d8	8.647	98	198056	49.835	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.680%
62) 4-Bromofluorobenzene	11.079	95	66547	47.364	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.720%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	280	Below Cal		83
6) Chloroethane	1.697	64	222	0.241 ug/l	#	43
10) Methyl Iodide	2.453	142	44	2.797 ug/l	#	38
11) Tert butyl alcohol	2.947	59	12776	83.740 ug/l	#	74
15) Acrylonitrile	2.941	53	211	0.434 ug/l	#	17
16) Acetone	2.386	43	1724	4.137 ug/l	#	87
18) Methyl Acetate	2.947	43	1956	1.422 ug/l	#	59
19) Methyl tert-butyl Ether	2.941	73	760	0.250 ug/l	#	80
20) Methylene Chloride	2.782	84	669	0.611 ug/l	#	67
25) 2-Butanone	4.568	43	401	0.616 ug/l	#	49
26) 2,2-Dichloropropane	4.587	77	263	0.211 ug/l	#	54
31) Cyclohexane	5.562	56	1258	0.859 ug/l	#	47
36) 1,1-Dichloropropene	5.550	75	4605	3.144 ug/l	#	50
37) Ethyl Acetate	4.568	43	401	0.291 ug/l	#	75
38) Carbon Tetrachloride	5.556	117	6068	4.052 ug/l	#	17
51) 4-Methyl-2-Pentanone	8.653	43	860	0.620 ug/l	#	1
76) 1,2,3-Trichloropropane	11.079	75	34119	26.723 ug/l	#	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34119	91.604 ug/l	#	11

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

Quant Time: Oct 08 05:10:54 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

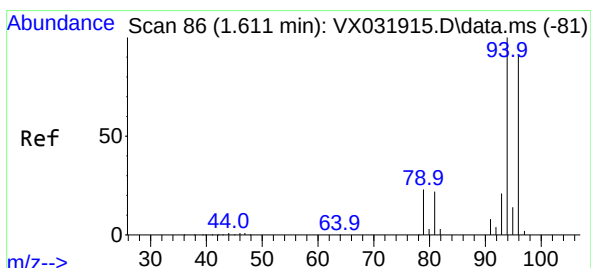
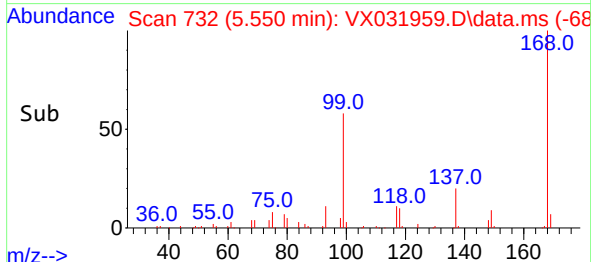
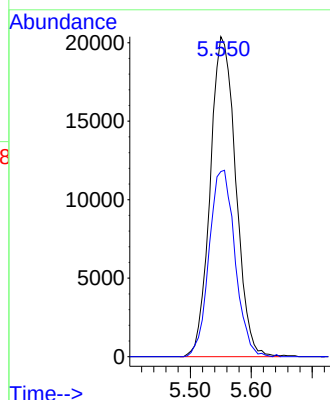
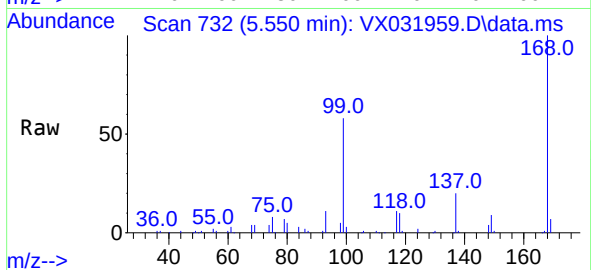




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

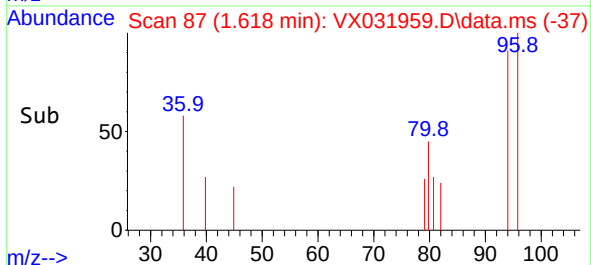
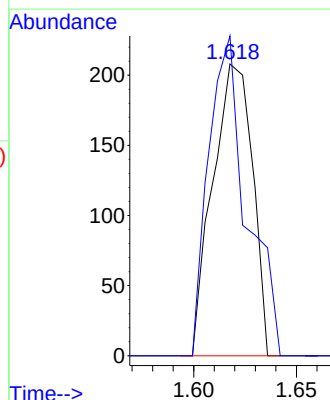
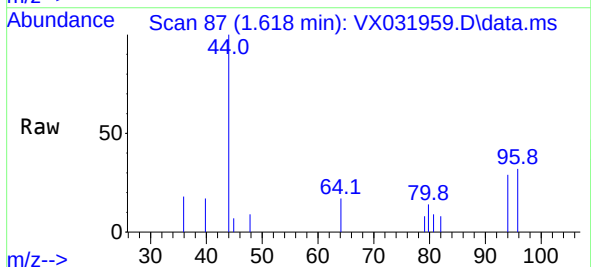
Instrument :
MSVOA_X
ClientSampleId :
FB092722

Tgt Ion:168 Resp: 59377
Ion Ratio Lower Upper
168 100
99 57.8 48.8 73.2

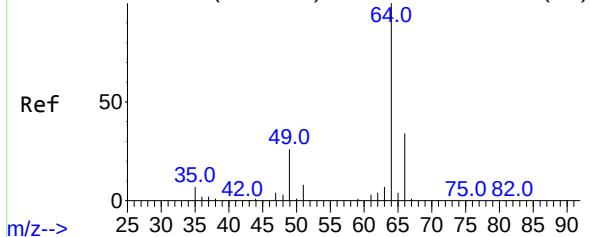


#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

Tgt Ion: 94 Resp: 280
Ion Ratio Lower Upper
94 100
96 109.6 74.4 111.6

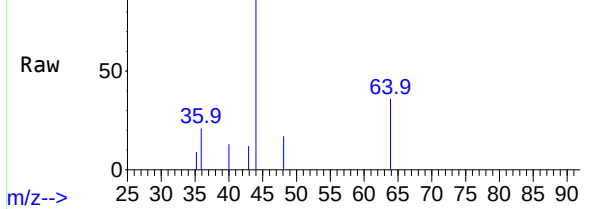


Abundance Scan 98 (1.684 min): VX031915.D\data.ms (-90)



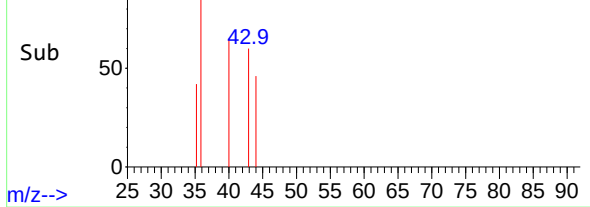
m/z-->

Abundance Scan 100 (1.697 min): VX031959.D\data.ms



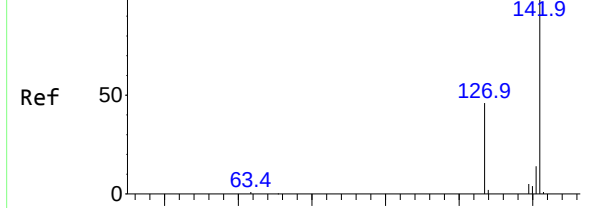
m/z-->

Abundance Scan 100 (1.697 min): VX031959.D\data.ms (-49)



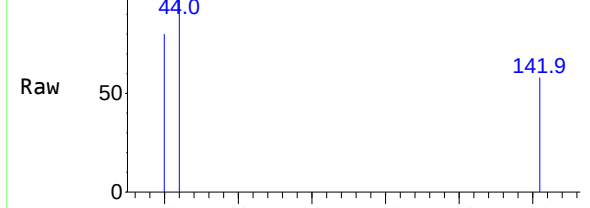
m/z-->

Abundance Scan 224 (2.452 min): VX031915.D\data.ms (-21)



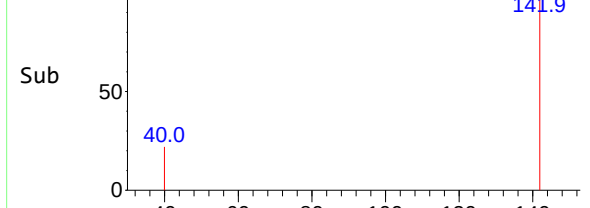
m/z-->

Abundance Scan 224 (2.453 min): VX031959.D\data.ms



m/z-->

Abundance Scan 224 (2.453 min): VX031959.D\data.ms (-17)



m/z-->

#6

Chloroethane

Concen: 0.241 ug/l

RT: 1.697 min Scan# 100

Delta R.T. 0.013 min

Lab File: VX031959.D

Acq: 07 Oct 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

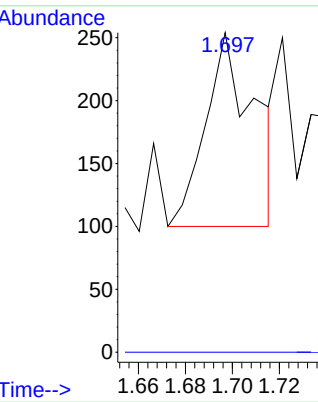
FB092722

Tgt Ion: 64 Resp: 222

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#



#10

Methyl Iodide

Concen: 2.797 ug/l

RT: 2.453 min Scan# 224

Delta R.T. 0.001 min

Lab File: VX031959.D

Acq: 07 Oct 2022 14:02

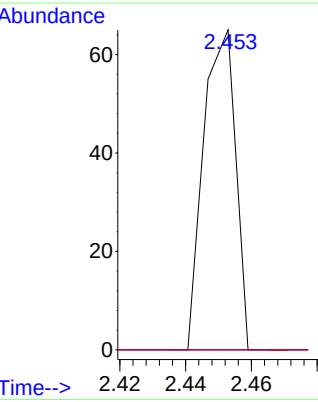
Tgt Ion: 142 Resp: 44

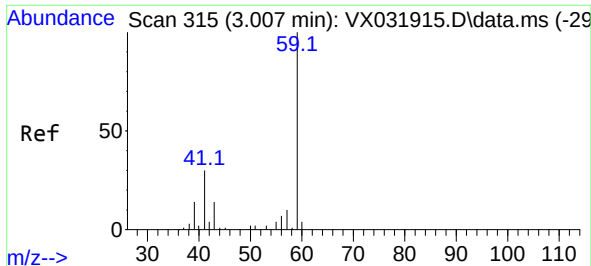
Ion Ratio Lower Upper

142 100

127 0.0 37.4 56.0#

141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 83.740 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.060 min

Lab File: VX031959.D

Acq: 07 Oct 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

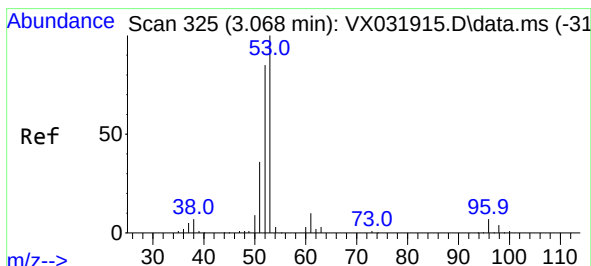
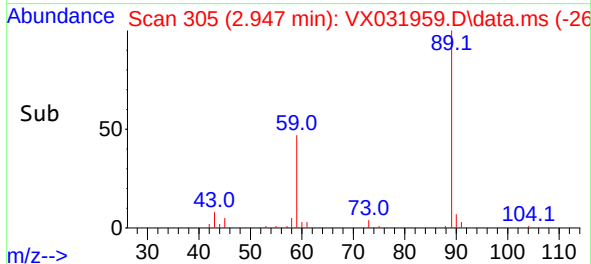
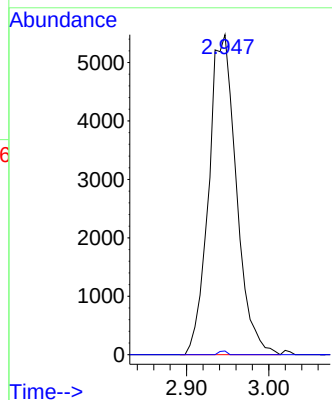
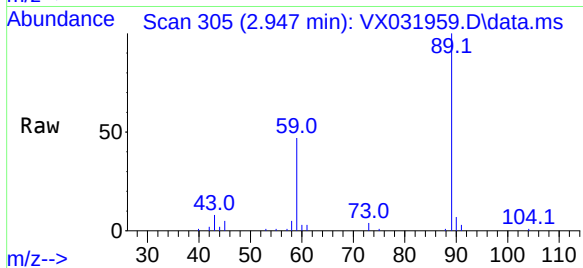
FB092722

Tgt Ion: 59 Resp: 12776

Ion Ratio Lower Upper

59 100

57 0.3 8.2 12.2#



#15

Acrylonitrile

Concen: 0.434 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.127 min

Lab File: VX031959.D

Acq: 07 Oct 2022 14:02

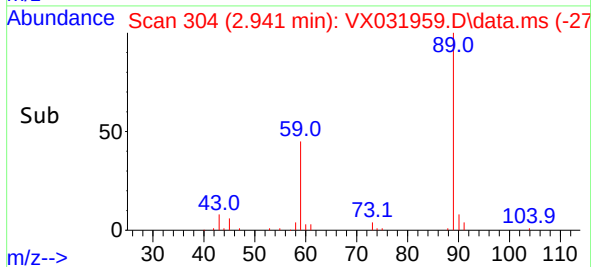
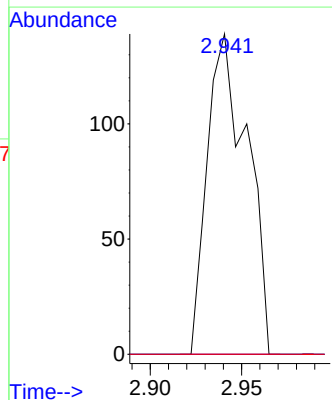
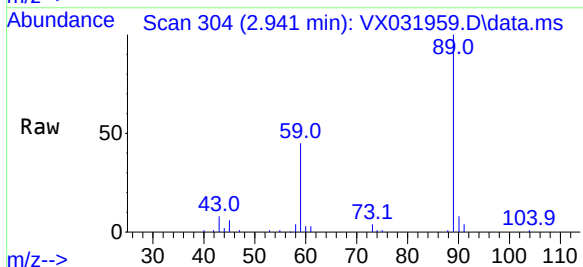
Tgt Ion: 53 Resp: 211

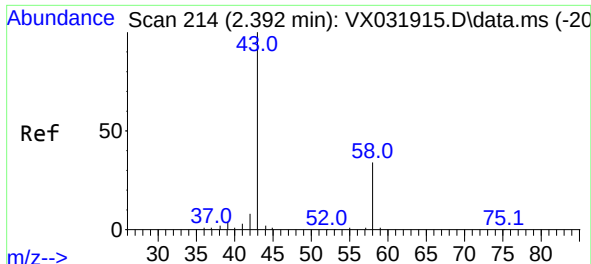
Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 0.0 30.0 45.0#

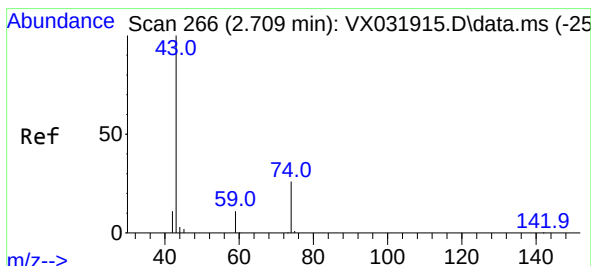
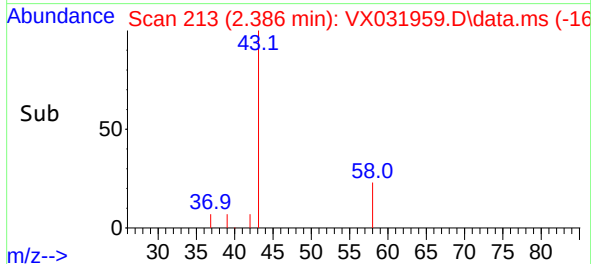
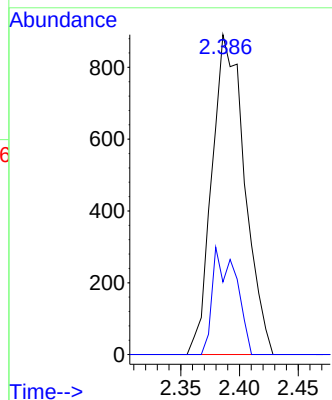
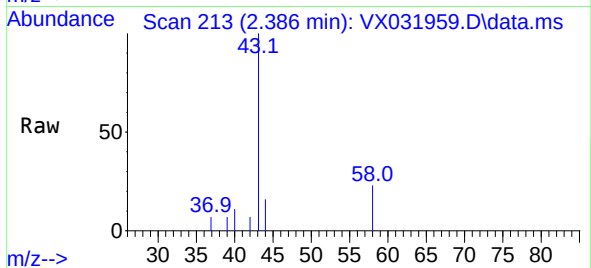




#16
Acetone
Concen: 4.137 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

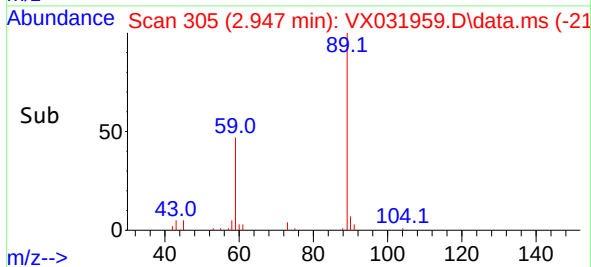
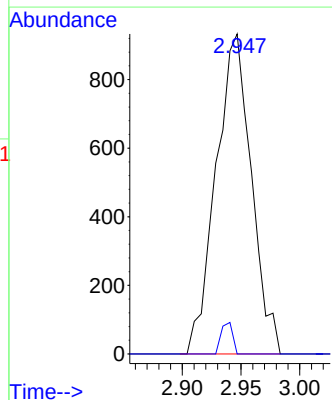
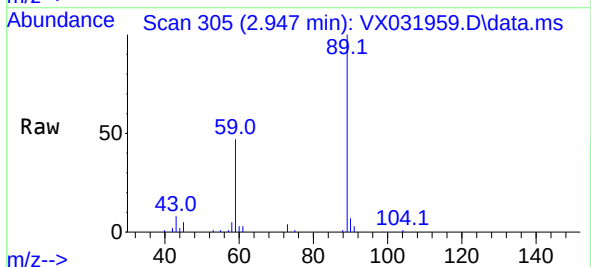
Instrument :
MSVOA_X
ClientSampleId :
FB092722

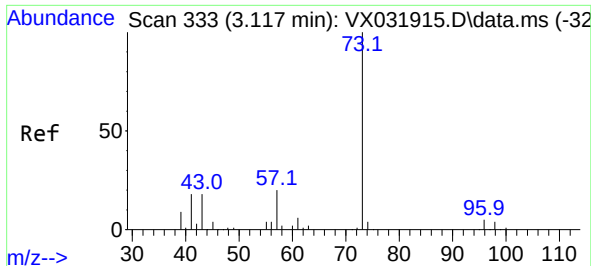
Tgt Ion: 43 Resp: 1724
Ion Ratio Lower Upper
43 100
58 22.7 23.8 35.8#



#18
Methyl Acetate
Concen: 1.422 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.238 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

Tgt Ion: 43 Resp: 1956
Ion Ratio Lower Upper
43 100
74 3.2 18.6 27.8#

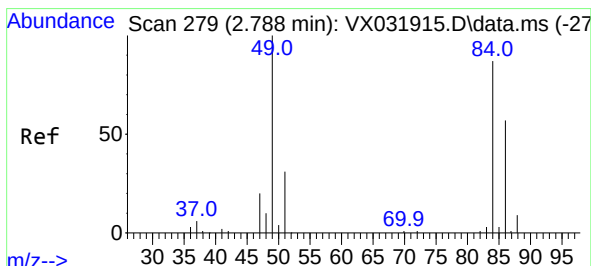
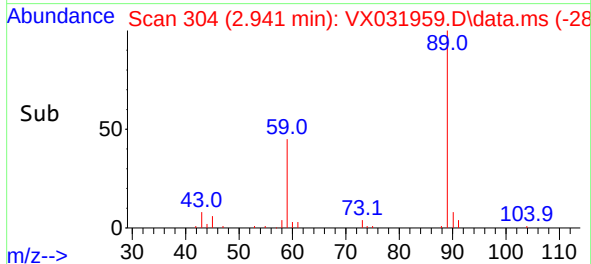
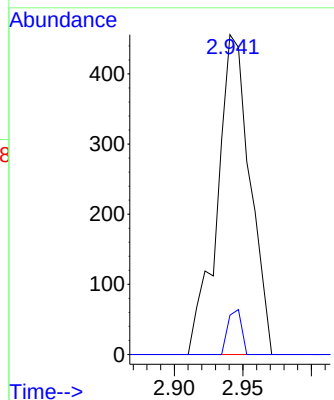
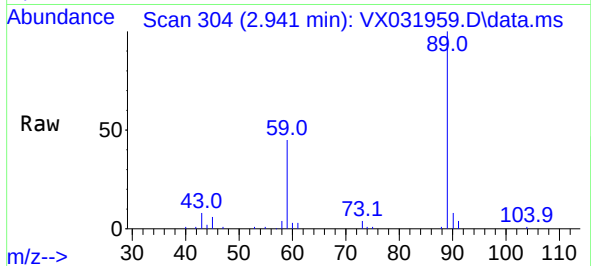




#19
Methyl tert-butyl Ether
Concen: 0.250 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.176 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

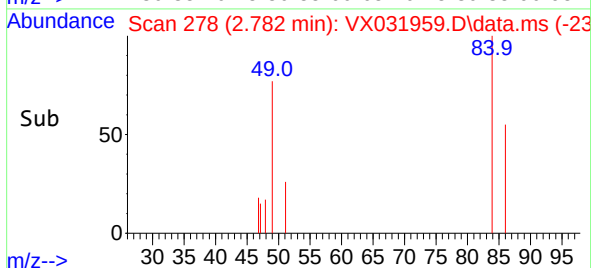
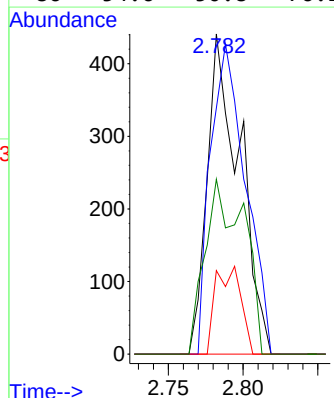
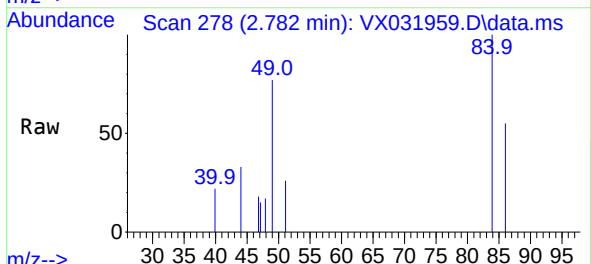
Instrument :
MSVOA_X
ClientSampleId :
FB092722

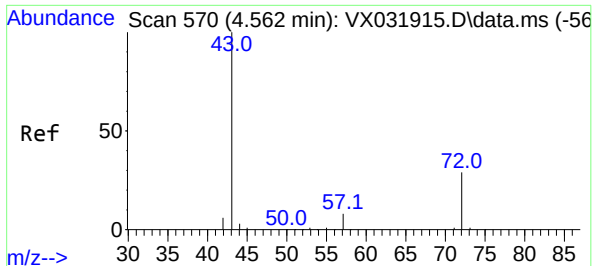
Tgt Ion: 73 Resp: 760
Ion Ratio Lower Upper
73 100
57 12.3 17.2 25.8#



#20
Methylene Chloride
Concen: 0.611 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

Tgt Ion: 84 Resp: 669
Ion Ratio Lower Upper
84 100
49 76.9 105.9 158.9#
51 26.1 32.2 48.2#
86 54.6 50.8 76.2





#25

2-Butanone

Concen: 0.616 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX031959.D

Acq: 07 Oct 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

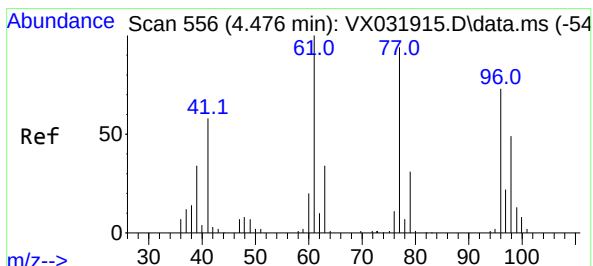
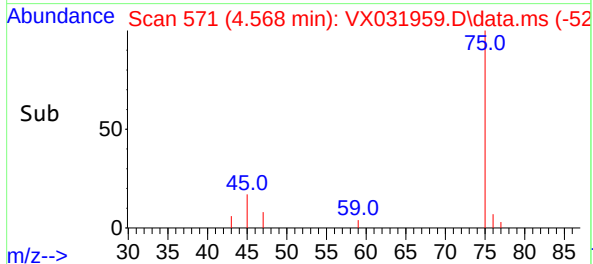
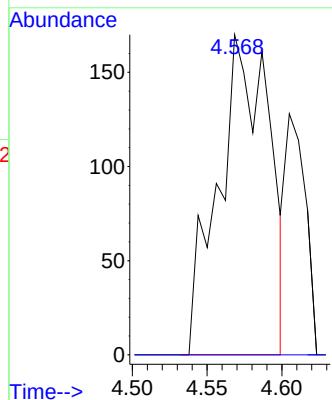
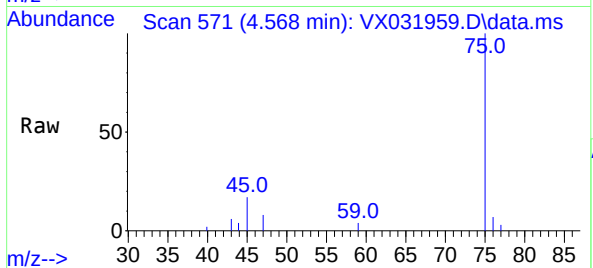
FB092722

Tgt Ion: 43 Resp: 401

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#26

2,2-Dichloropropane

Concen: 0.211 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.111 min

Lab File: VX031959.D

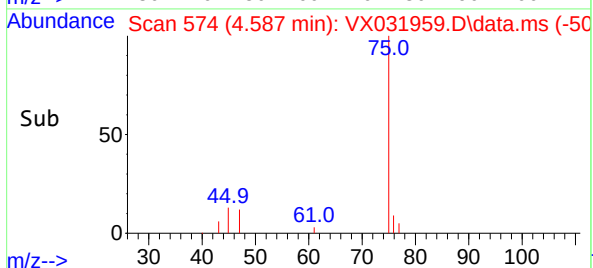
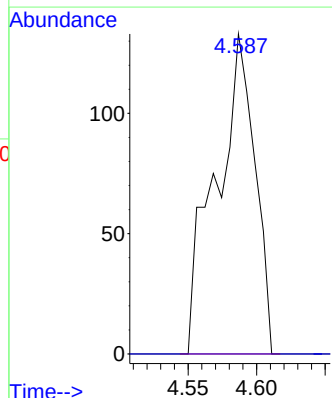
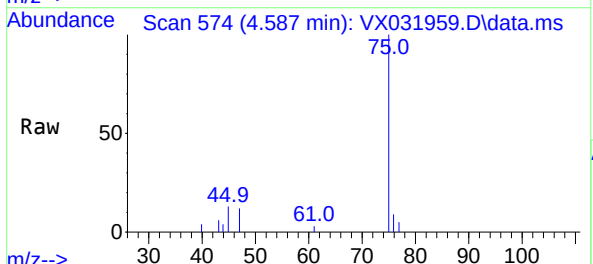
Acq: 07 Oct 2022 14:02

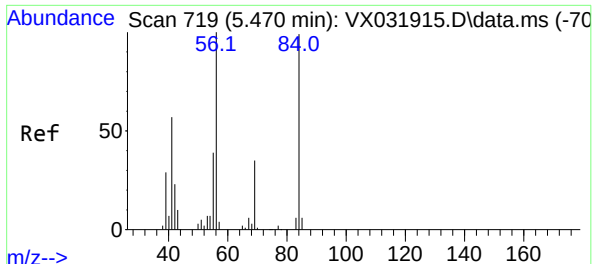
Tgt Ion: 77 Resp: 263

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.6#

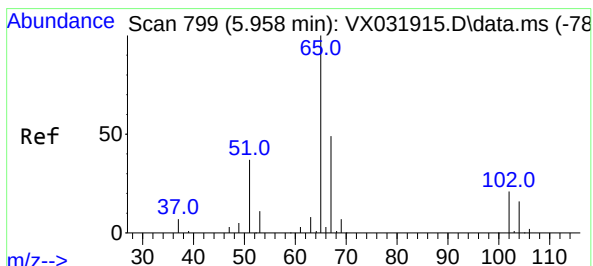
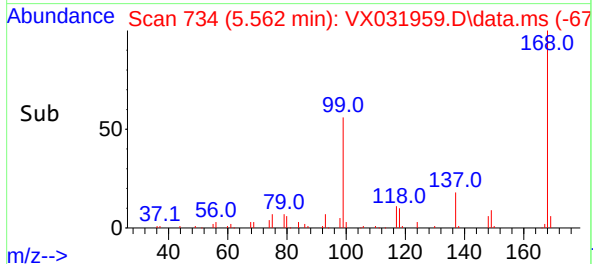
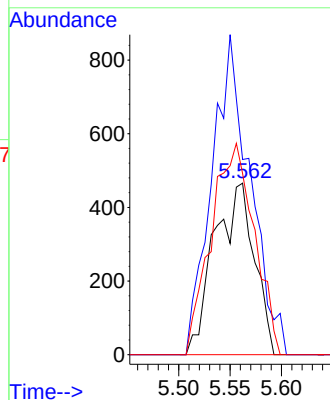
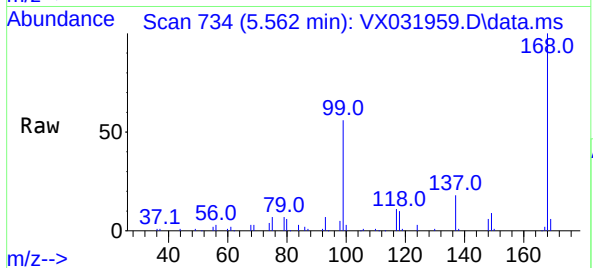




#31
Cyclohexane
Concen: 0.859 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

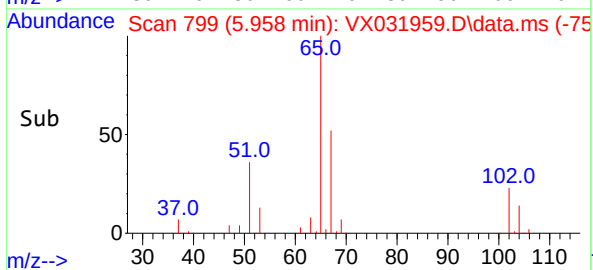
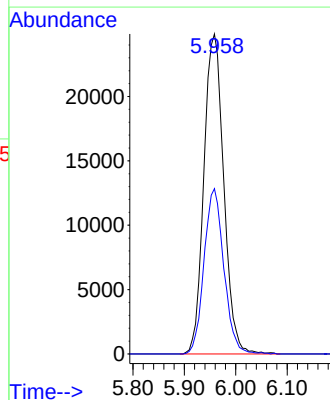
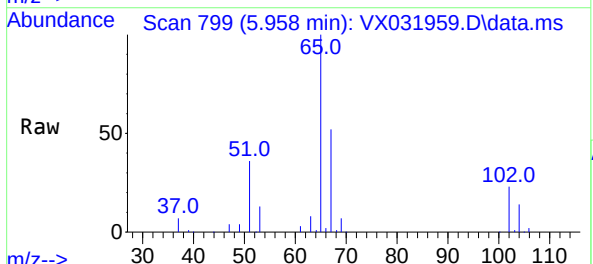
Instrument :
MSVOA_X
ClientSampleId :
FB092722

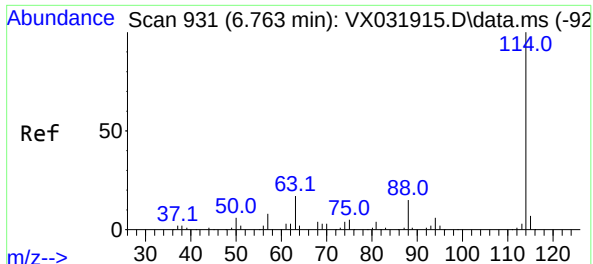
Tgt Ion: 56 Resp: 1258
Ion Ratio Lower Upper
56 100
69 113.7 25.1 37.7#
84 105.6 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 54.458 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

Tgt Ion: 65 Resp: 66780
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.4

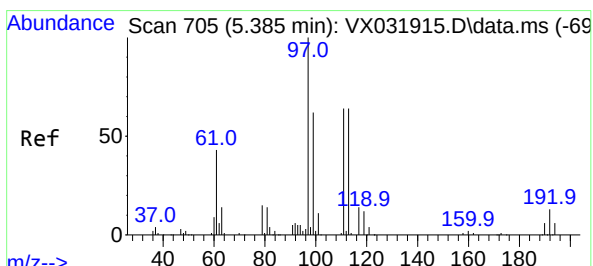
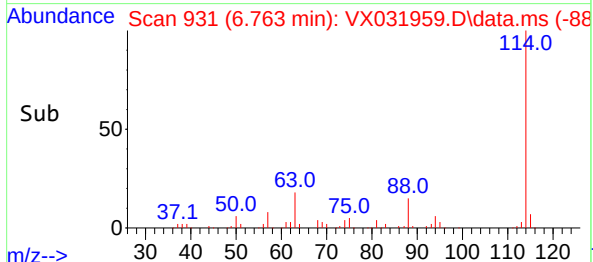
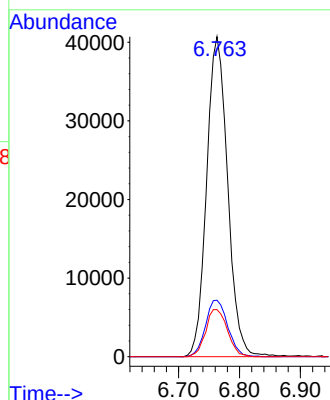
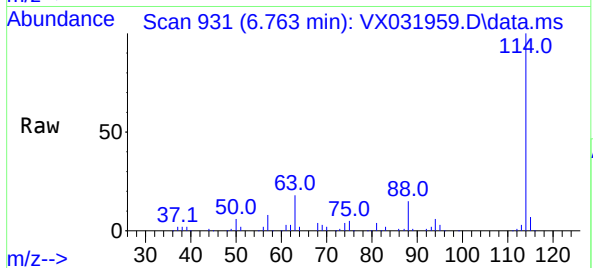




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

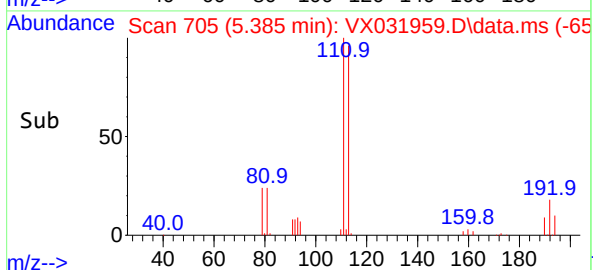
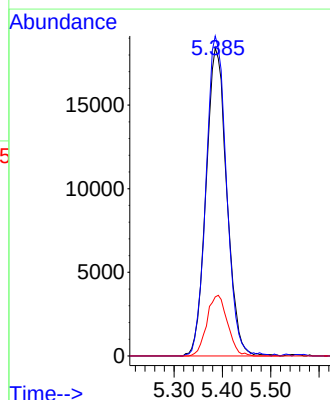
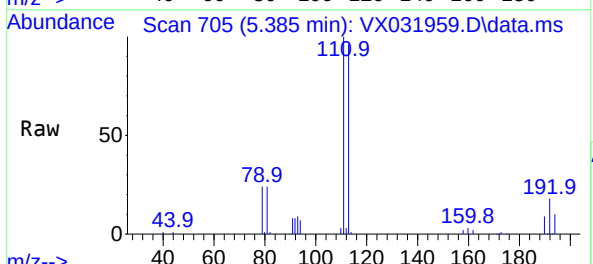
Instrument :
MSVOA_X
ClientSampleId :
FB092722

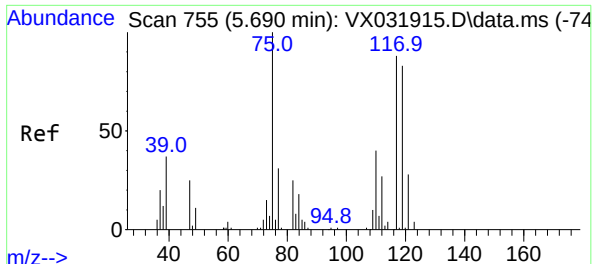
Tgt Ion:114 Resp: 97572
Ion Ratio Lower Upper
114 100
63 17.7 0.0 42.6
88 14.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.679 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

Tgt Ion:113 Resp: 54868
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 19.6 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.144 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031959.D

Acq: 07 Oct 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

FB092722

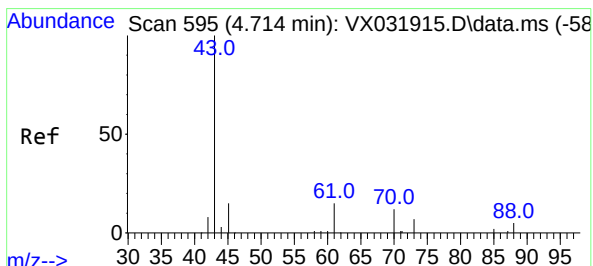
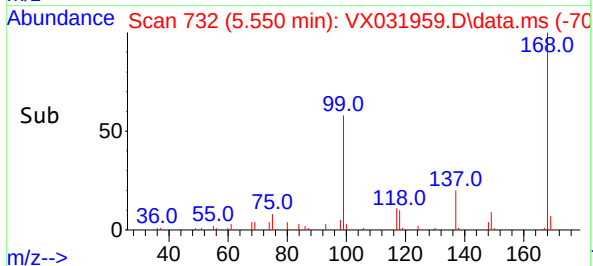
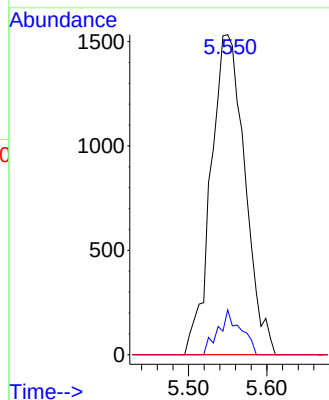
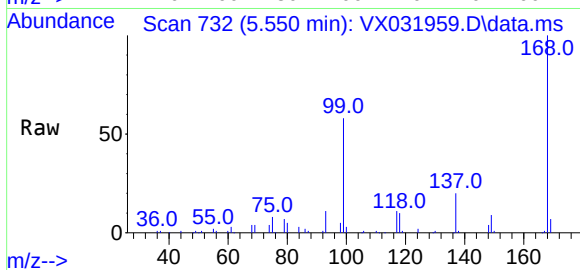
Tgt Ion: 75 Resp: 4605

Ion Ratio Lower Upper

75 100

110 9.3 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.291 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.146 min

Lab File: VX031959.D

Acq: 07 Oct 2022 14:02

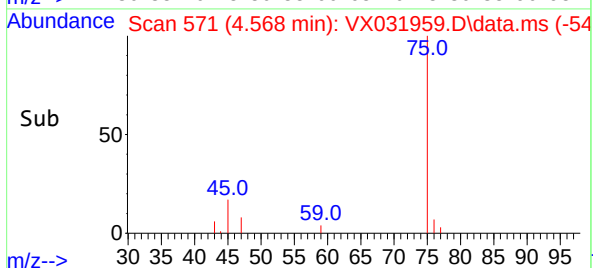
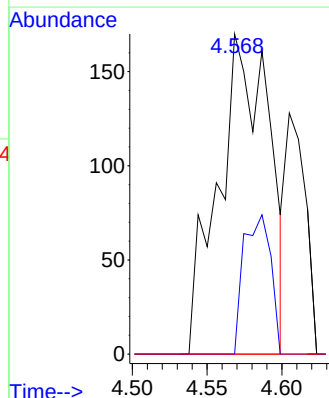
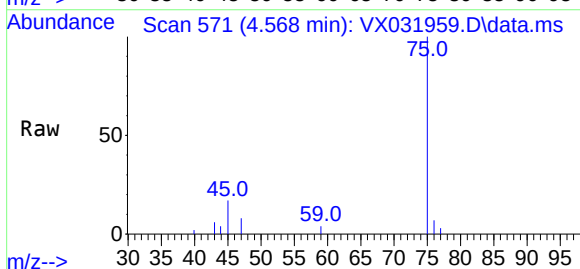
Tgt Ion: 43 Resp: 401

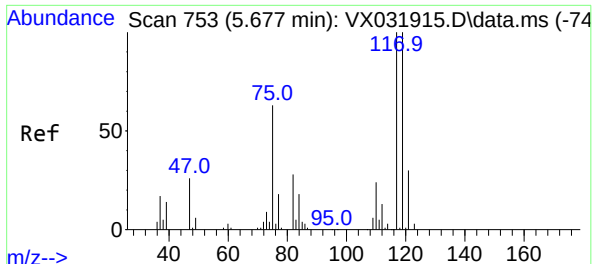
Ion Ratio Lower Upper

43 100

61 23.2 11.1 16.7#

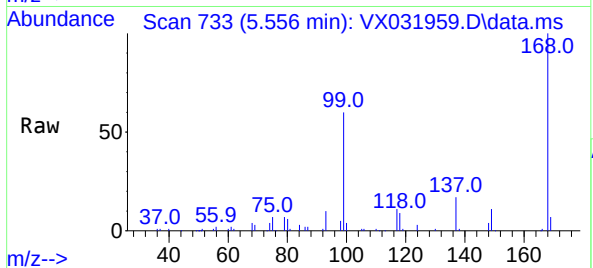
70 0.0 8.6 13.0#



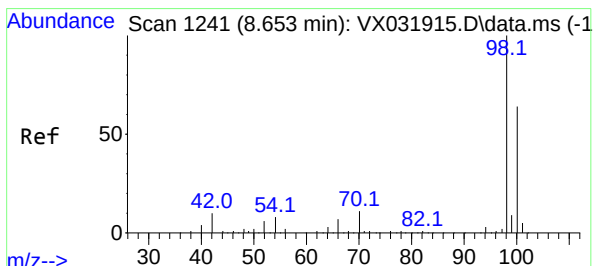
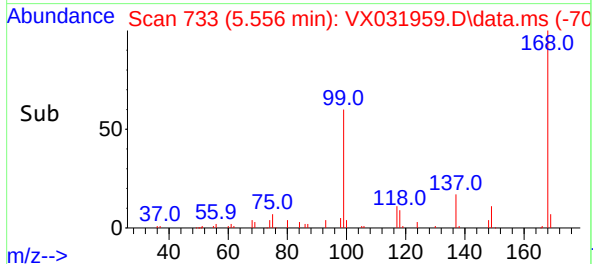
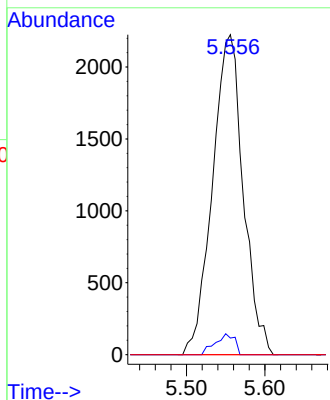


#38
Carbon Tetrachloride
Concen: 4.052 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

Instrument :
MSVOA_X
ClientSampleId :
FB092722

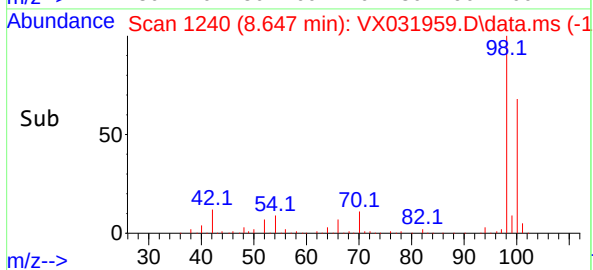
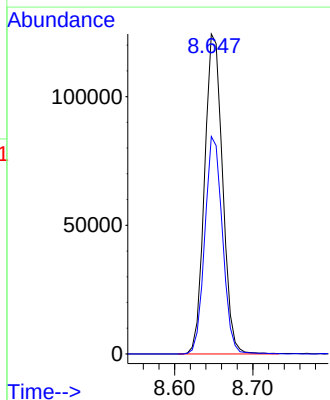
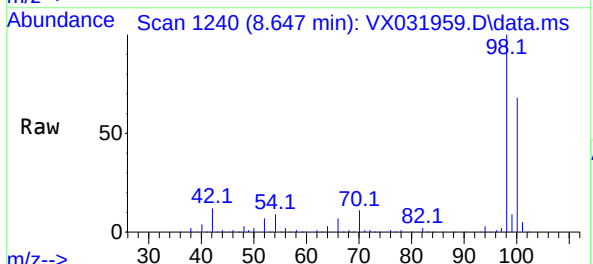


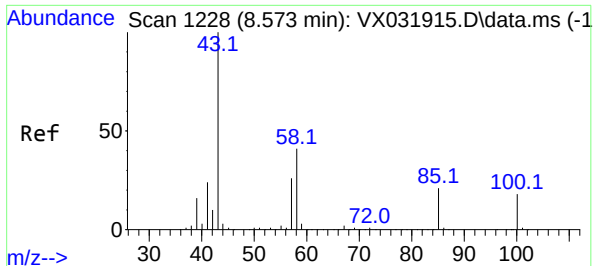
Tgt Ion:117 Resp: 6068
Ion Ratio Lower Upper
117 100
119 5.2 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.835 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

Tgt Ion: 98 Resp: 198056
Ion Ratio Lower Upper
98 100
100 66.6 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.620 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.080 min

Lab File: VX031959.D

Acq: 07 Oct 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

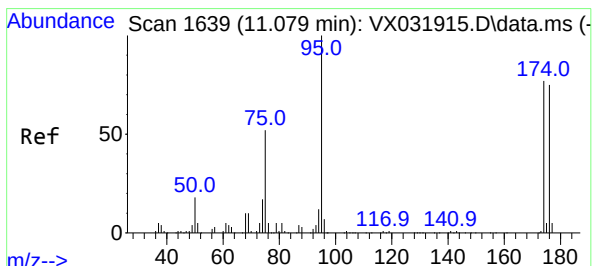
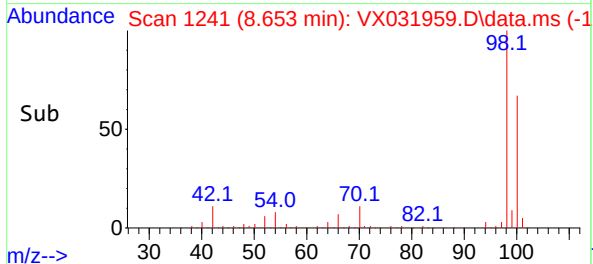
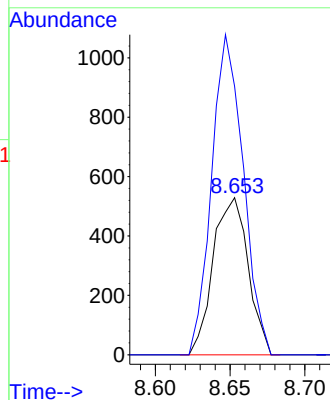
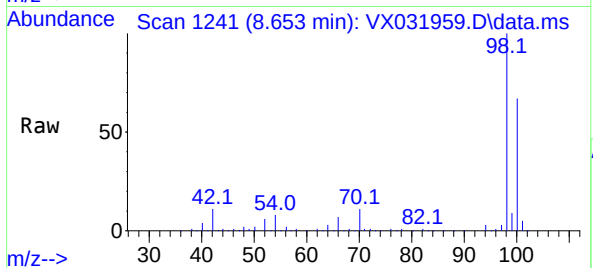
FB092722

Tgt Ion: 43 Resp: 860

Ion Ratio Lower Upper

43 100

58 184.2 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 47.364 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031959.D

Acq: 07 Oct 2022 14:02

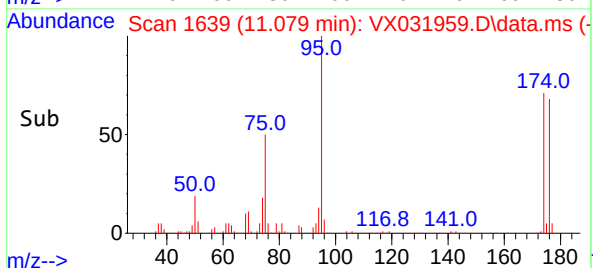
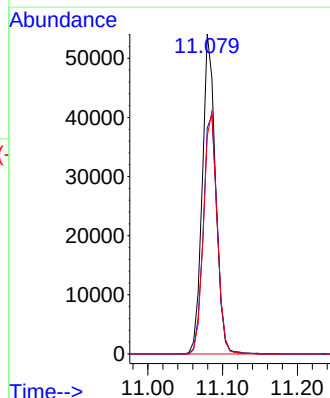
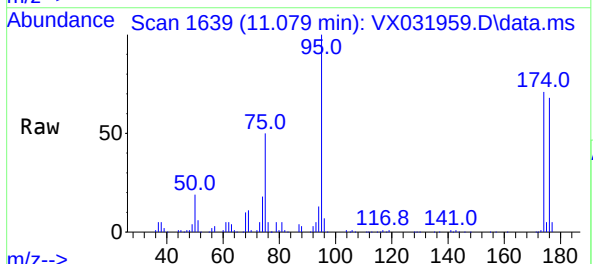
Tgt Ion: 95 Resp: 66547

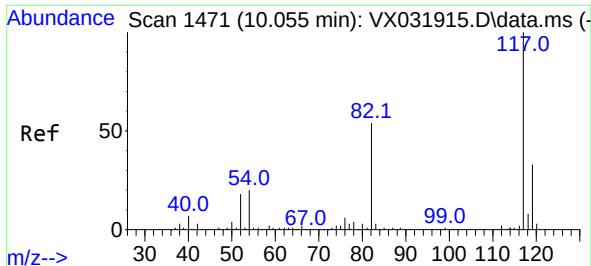
Ion Ratio Lower Upper

95 100

174 78.7 0.0 153.2

176 77.3 0.0 144.0

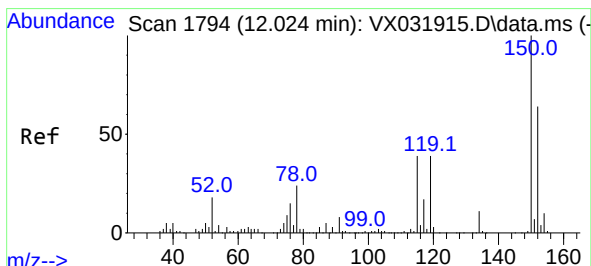
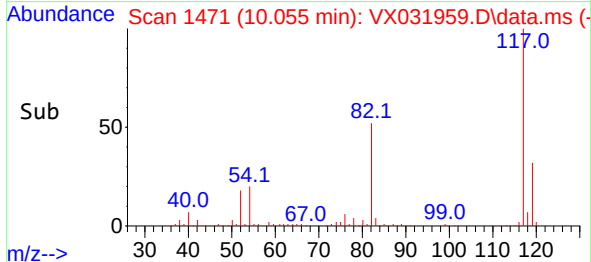
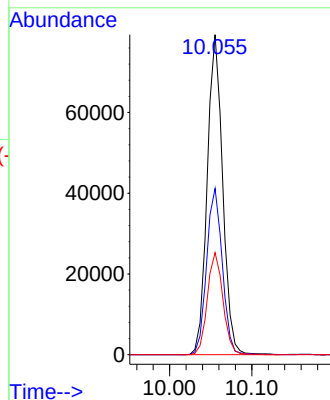
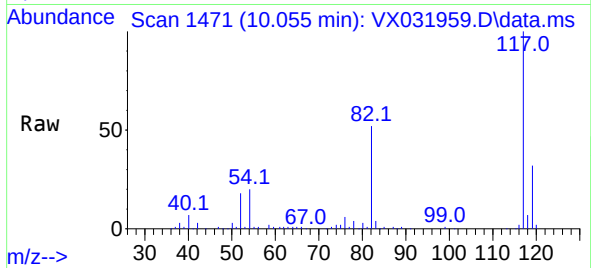




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

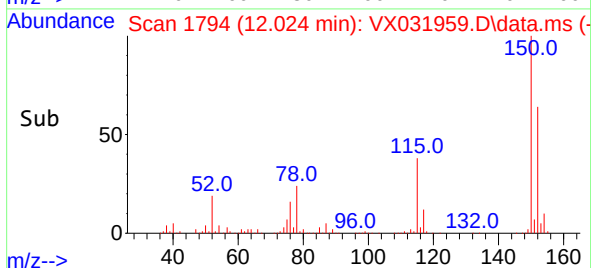
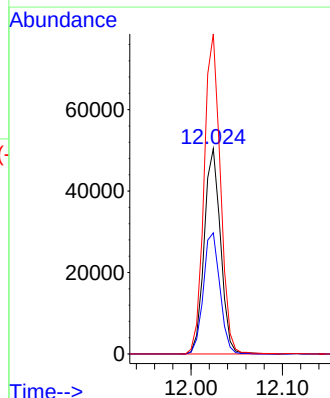
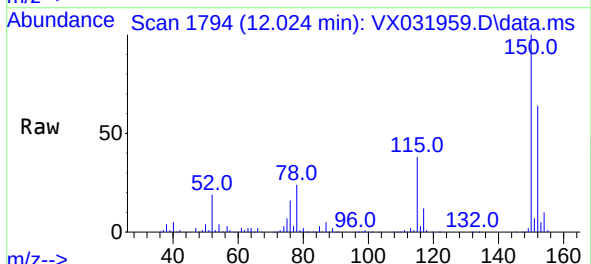
Instrument :
MSVOA_X
ClientSampleId :
FB092722

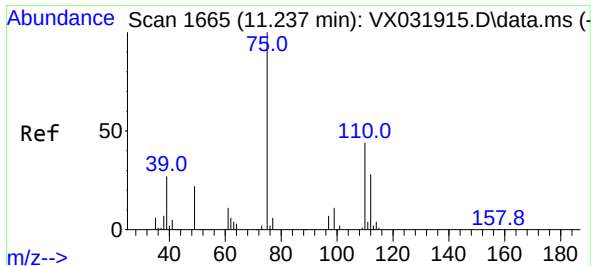
Tgt Ion:117 Resp: 103468
Ion Ratio Lower Upper
117 100
82 51.9 46.8 70.2
119 31.9 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

Tgt Ion:152 Resp: 62297
Ion Ratio Lower Upper
152 100
115 59.9 43.4 130.1
150 155.9 0.0 346.8

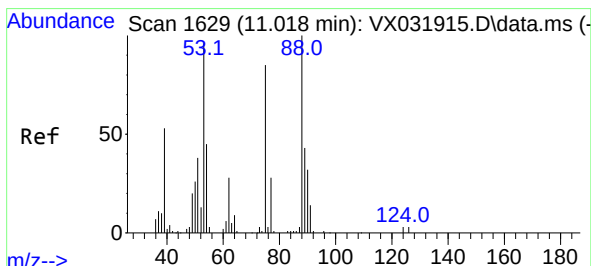
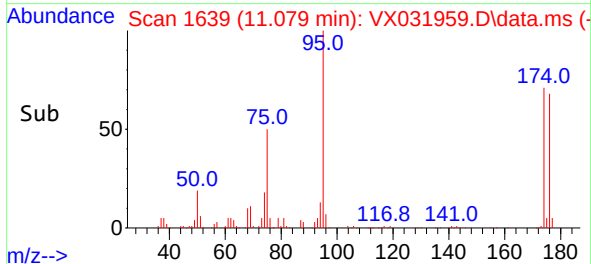
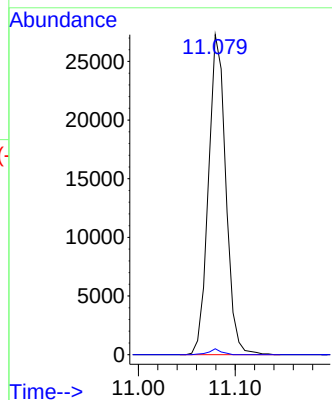
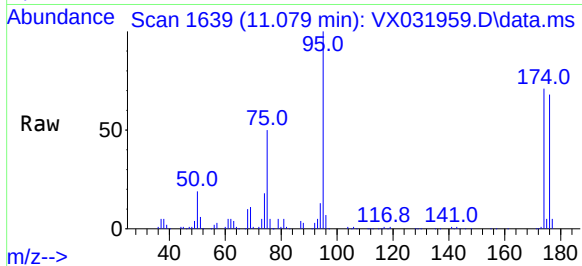




#76
1,2,3-Trichloropropane
Concen: 26.723 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

Instrument :
MSVOA_X
ClientSampleId :
FB092722

Tgt Ion: 75 Resp: 34119
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031959.D
Acq: 07 Oct 2022 14:02

Tgt Ion: 75 Resp: 34119
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.1 37.4 56.0#

