

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020124\
 Data File : VX040063.D
 Acq On : 01 Feb 2024 12:07
 Operator : JC/MD
 Sample : P1284-09 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31913

Quant Time: Feb 02 01:38:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

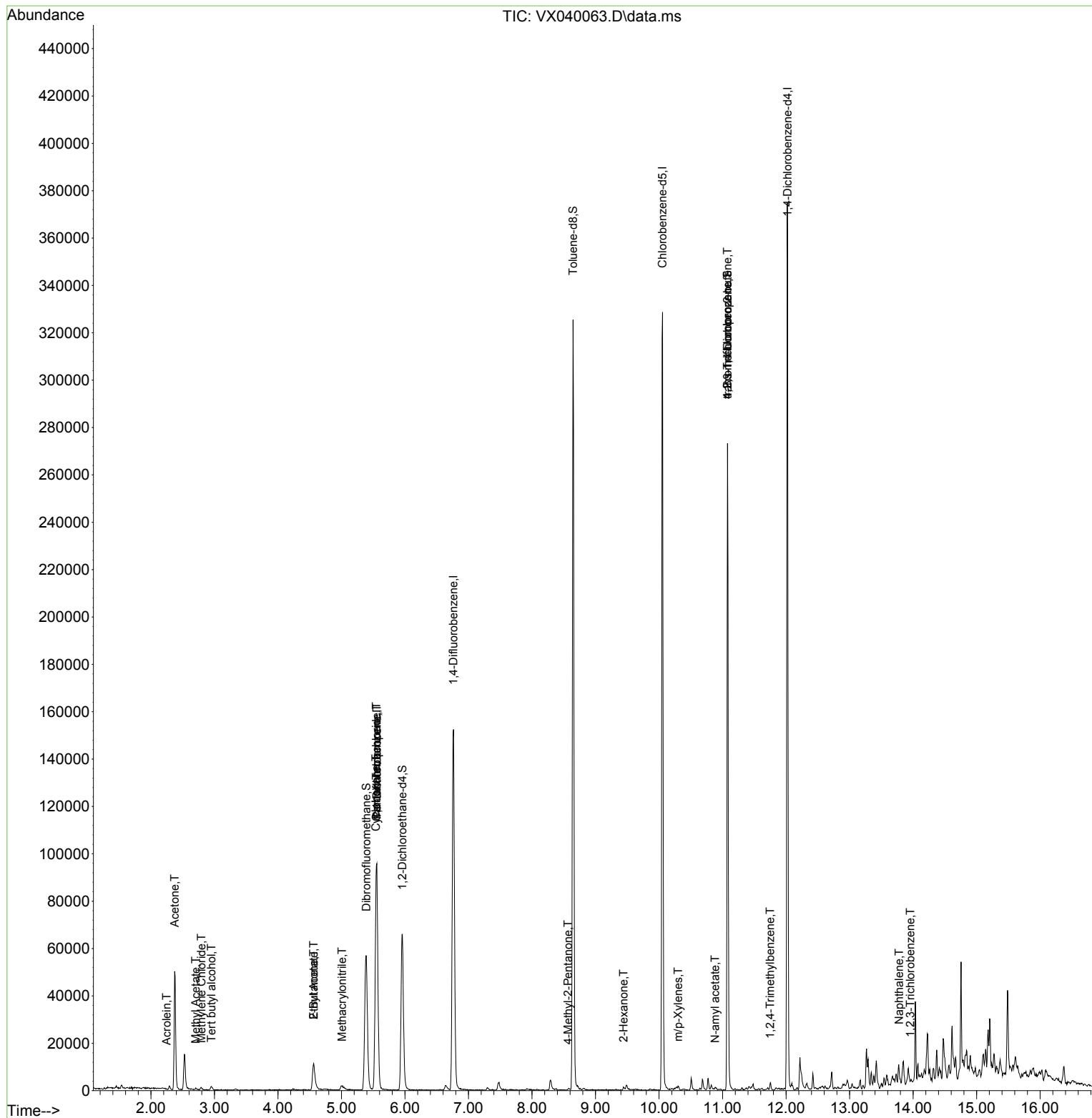
Internal Standards						
1) Pentafluorobenzene	5.556	168	87381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	155795	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63263	44.986	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.980%
35) Dibromofluoromethane	5.391	113	50528	47.643	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.280%
50) Toluene-d8	8.647	98	188936	47.637	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.280%
62) 4-Bromofluorobenzene	11.079	95	73050	47.833	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.660%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1724	6.756	ug/l #	95
13) Acrolein	2.245	56	96	0.393	ug/l #	14
16) Acetone	2.373	43	51762	78.557	ug/l	93
18) Methyl Acetate	2.703	43	1089	0.698	ug/l #	75
20) Methylene Chloride	2.794	84	466	0.398	ug/l	97
25) 2-Butanone	4.562	43	19269	21.037	ug/l	95
31) Cyclohexane	5.544	56	2305	1.309	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	7688	5.012	ug/l #	51
37) Ethyl Acetate	4.562	43	19269	11.503	ug/l #	69
38) Carbon Tetrachloride	5.550	117	9518	6.485	ug/l #	17
41) Methacrylonitrile	5.007	41	601	0.707	ug/l #	50
51) 4-Methyl-2-Pentanone	8.567	43	683	0.379	ug/l #	80
59) 2-Hexanone	9.439	43	894	0.622	ug/l	87
68) m/p-Xylenes	10.299	106	418	0.203	ug/l #	62
74) N-amyl acetate	10.884	43	373	0.353	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	39220	24.881	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	39220	73.624	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	1808	0.397	ug/l	96
90) Hexachloroethane	12.603	117	40	Below Cal	#	17
95) Naphthalene	13.780	128	3940	0.778	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.957	180	317	0.215	ug/l #	36

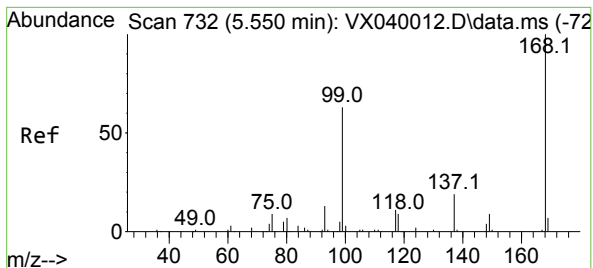
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
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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: VX040063.D

Acq: 01 Feb 2024 12:07

Instrument :

MSVOA_X

ClientSampleId :

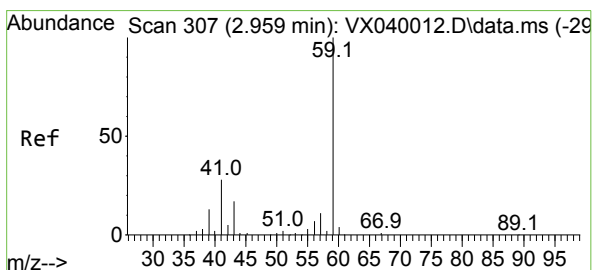
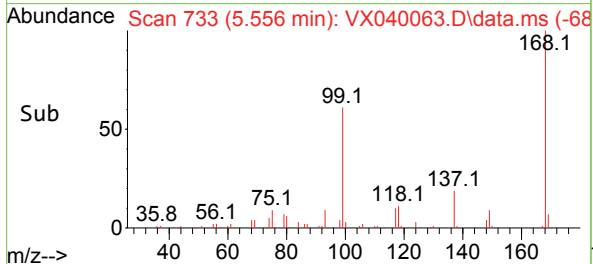
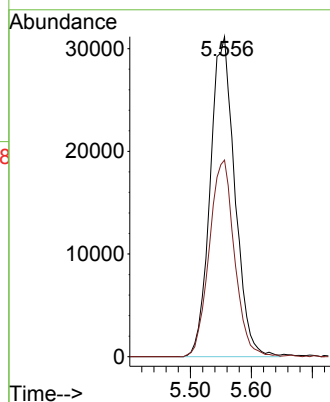
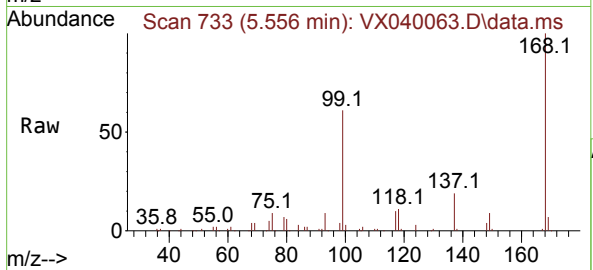
31913

Tgt Ion:168 Resp: 87381

Ion Ratio Lower Upper

168 100

99 61.5 56.6 85.0



#11

Tert butyl alcohol

Concen: 6.756 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX040063.D

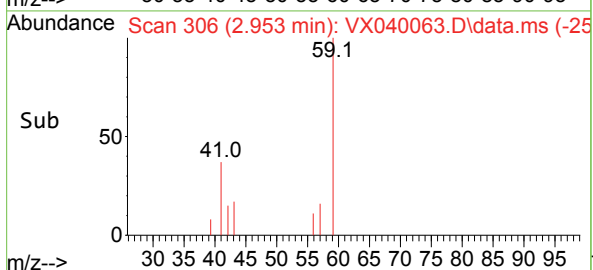
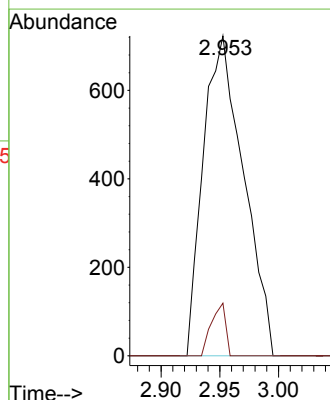
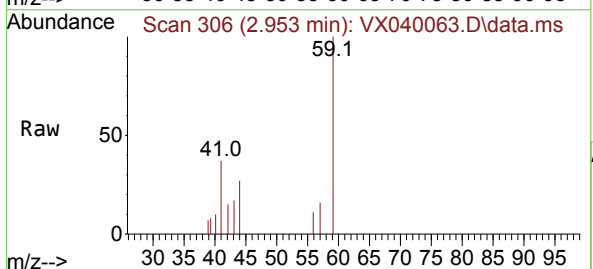
Acq: 01 Feb 2024 12:07

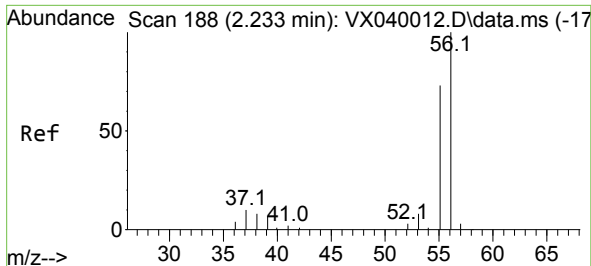
Tgt Ion: 59 Resp: 1724

Ion Ratio Lower Upper

59 100

57 5.8 6.0 9.0#

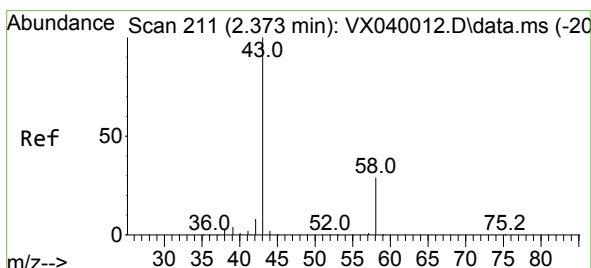
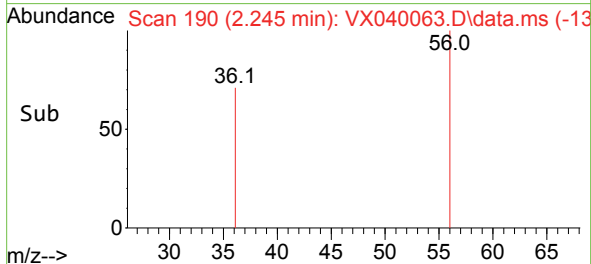
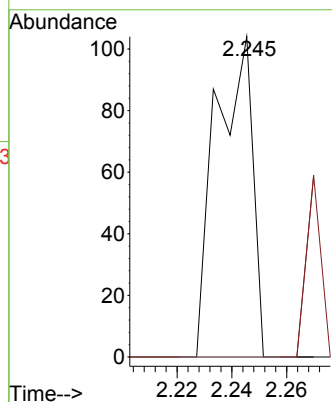
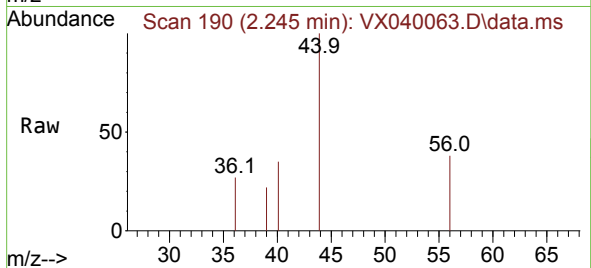




#13
Acrolein
Concen: 0.393 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

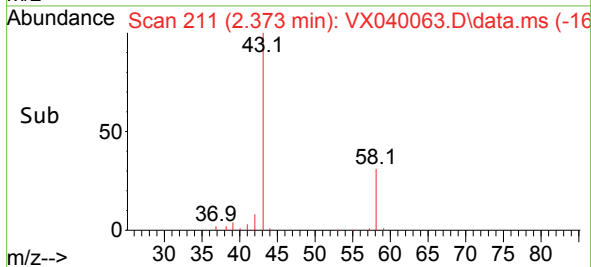
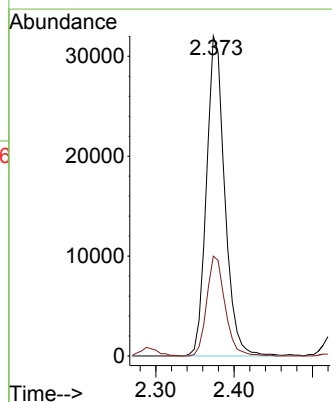
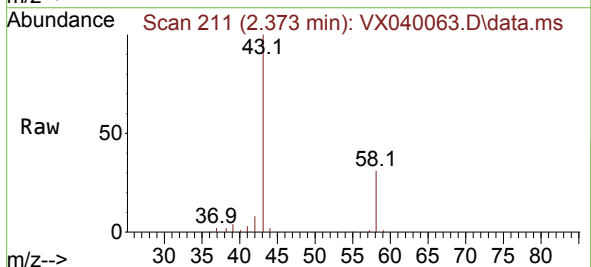
Instrument :
MSVOA_X
ClientSampleId :
31913

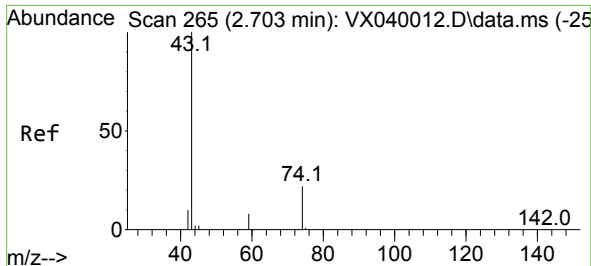
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 78.557 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

Tgt Ion: 43 Resp: 51762
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9





#18

Methyl Acetate

Concen: 0.698 ug/l

RT: 2.703 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040063.D

Acq: 01 Feb 2024 12:07

Instrument :

MSVOA_X

ClientSampleId :

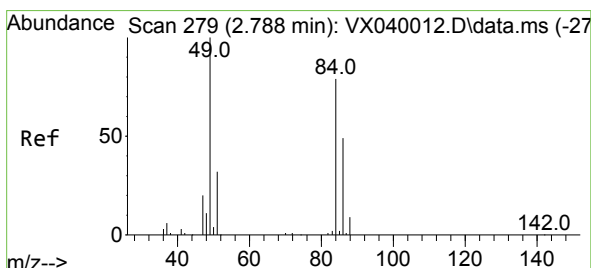
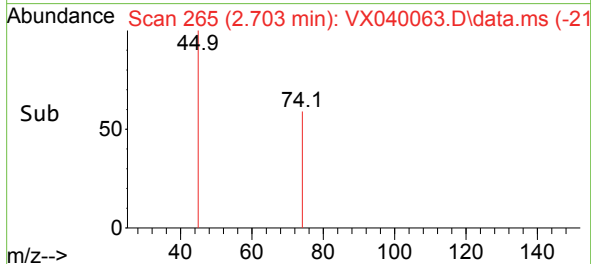
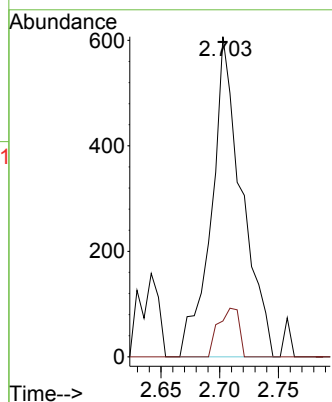
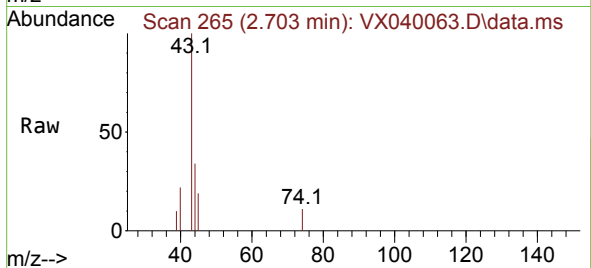
31913

Tgt Ion: 43 Resp: 1089

Ion Ratio Lower Upper

43 100

74 10.4 17.8 26.8#



#20

Methylene Chloride

Concen: 0.398 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040063.D

Acq: 01 Feb 2024 12:07

Tgt Ion: 84 Resp: 466

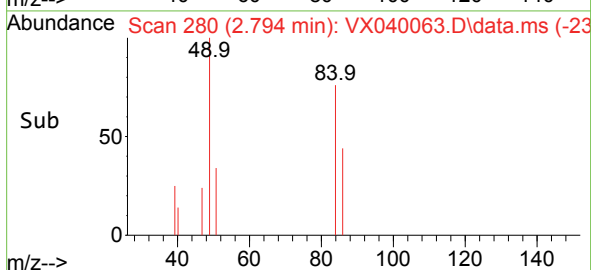
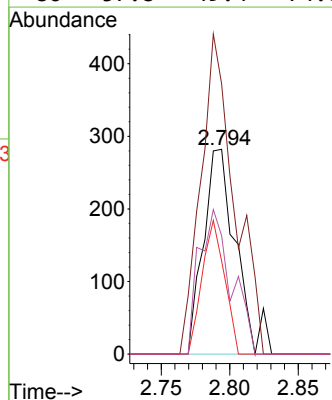
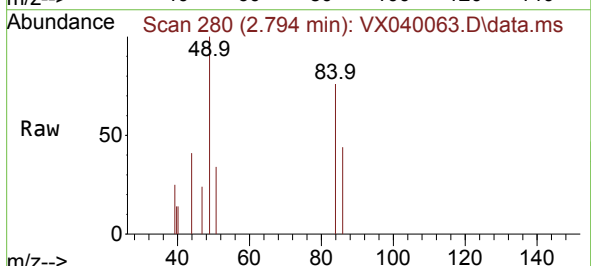
Ion Ratio Lower Upper

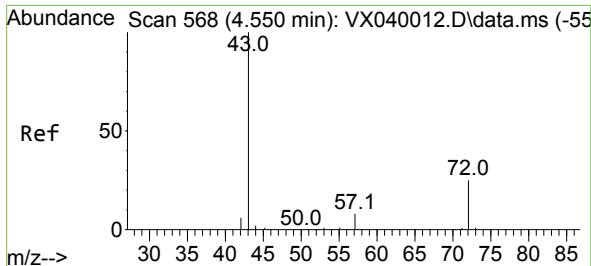
84 100

49 131.9 103.6 155.4

51 45.4 33.8 50.6

86 57.8 49.4 74.0

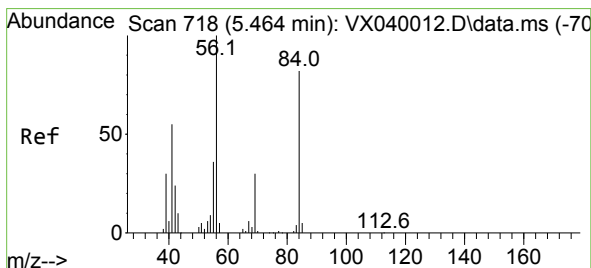
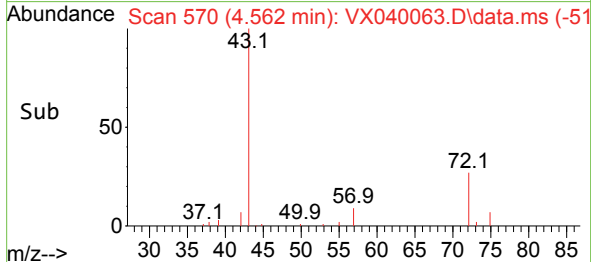
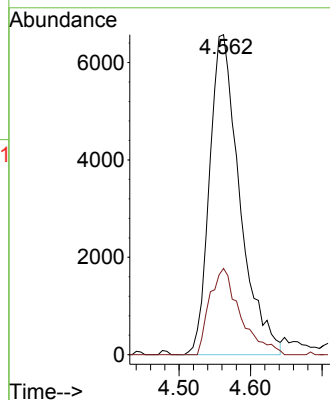
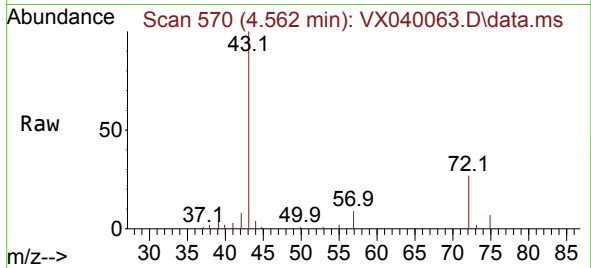




#25
2-Butanone
Concen: 21.037 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

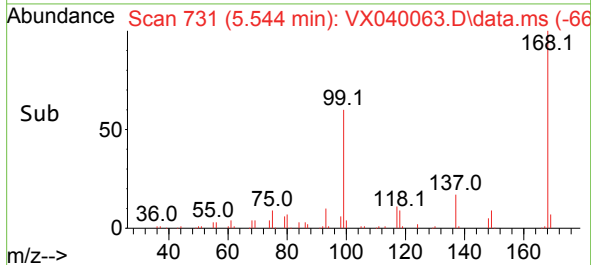
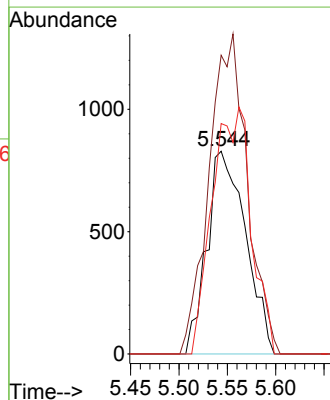
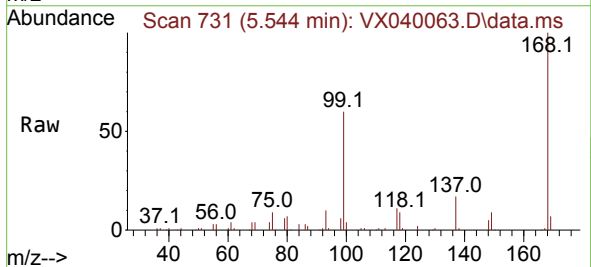
Instrument :
MSVOA_X
ClientSampleId :
31913

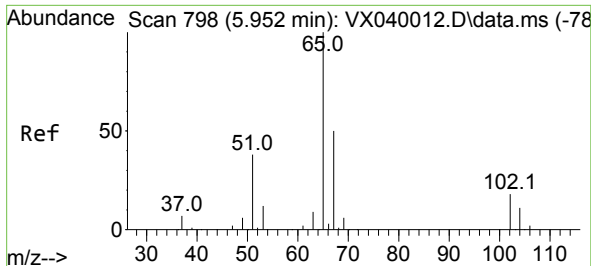
Tgt Ion: 43 Resp: 19269
Ion Ratio Lower Upper
43 100
72 27.0 19.4 29.2



#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

Tgt Ion: 56 Resp: 2305
Ion Ratio Lower Upper
56 100
69 147.3 23.4 35.2#
84 113.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.986 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040063.D

Acq: 01 Feb 2024 12:07

Instrument :

MSVOA_X

ClientSampleId :

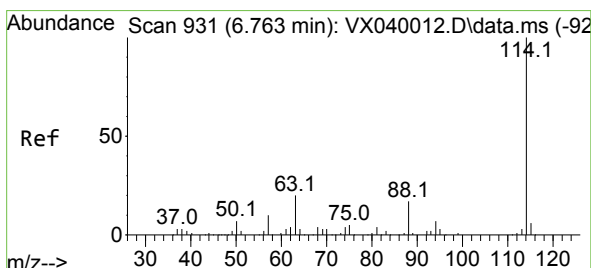
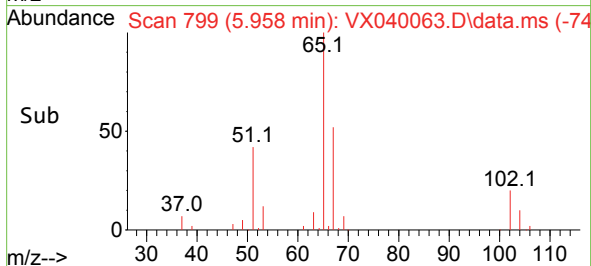
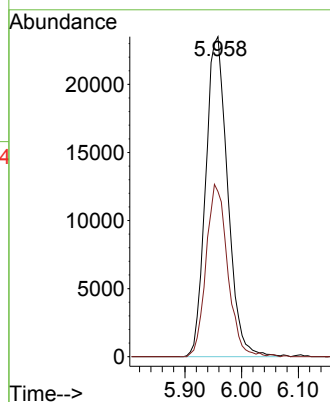
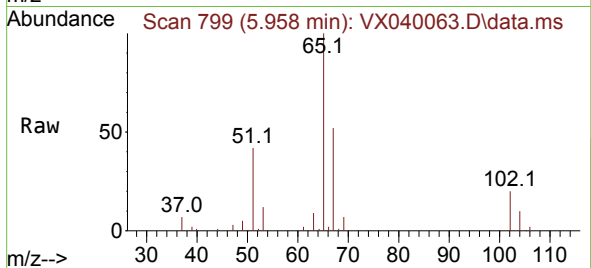
31913

Tgt Ion: 65 Resp: 63263

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX040063.D

Acq: 01 Feb 2024 12:07

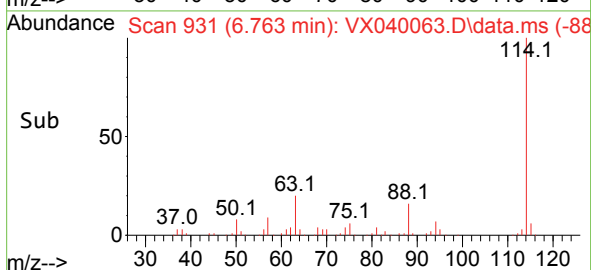
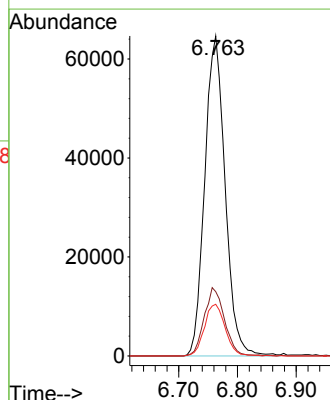
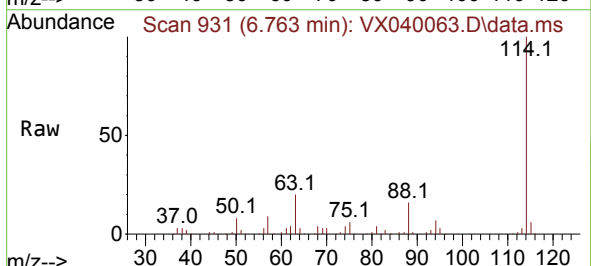
Tgt Ion: 114 Resp: 155795

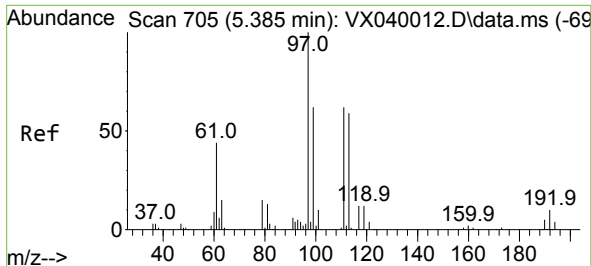
Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.0

88 16.2 0.0 36.6

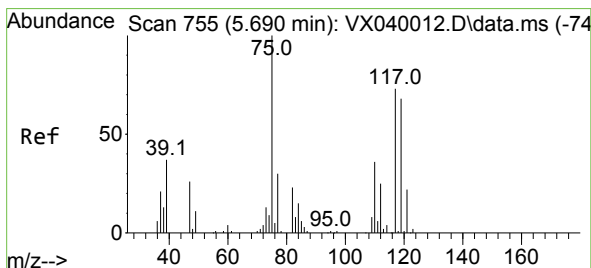
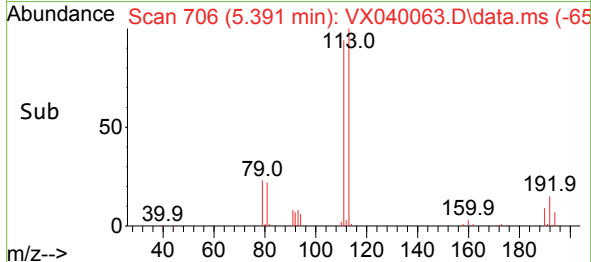
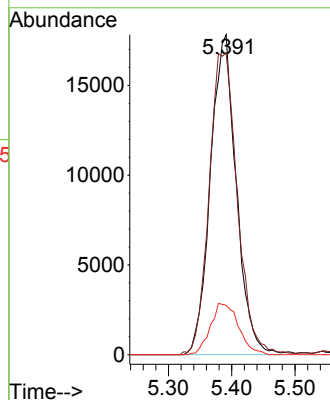
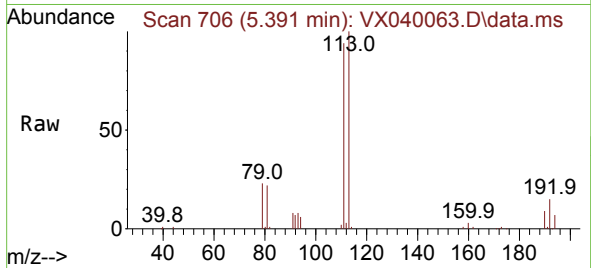




#35
Dibromofluoromethane
Concen: 47.643 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

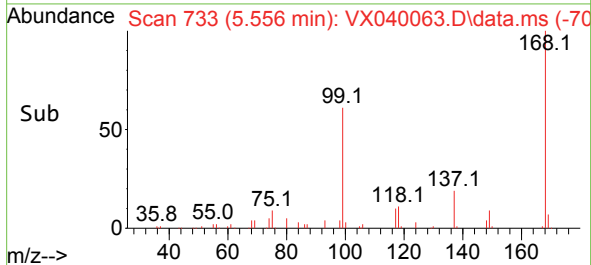
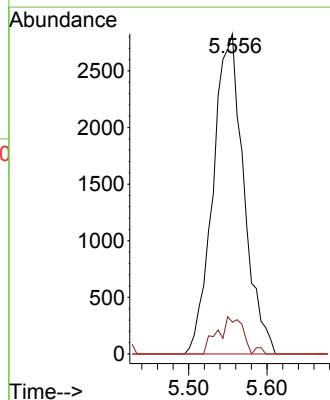
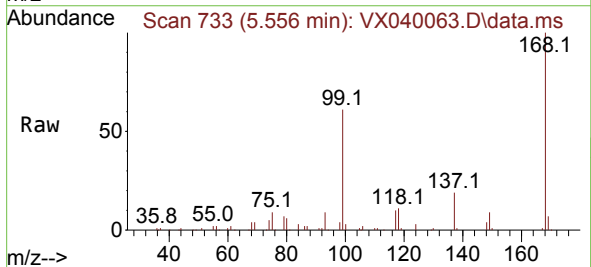
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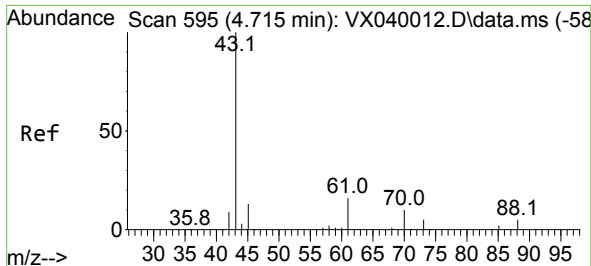
Tgt Ion:113 Resp: 50528
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.012 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

Tgt Ion: 75 Resp: 7688
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 11.503 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX040063.D

Acq: 01 Feb 2024 12:07

Instrument :

MSVOA_X

ClientSampleId :

31913

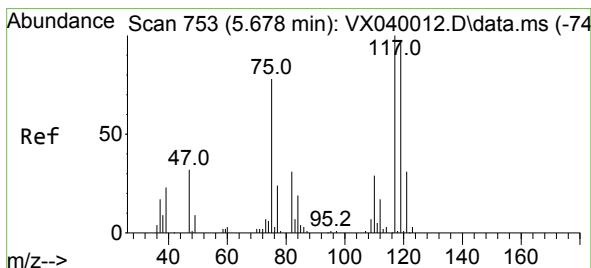
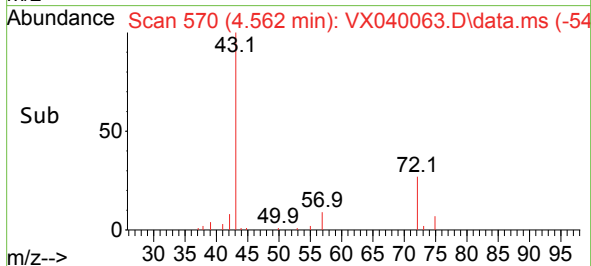
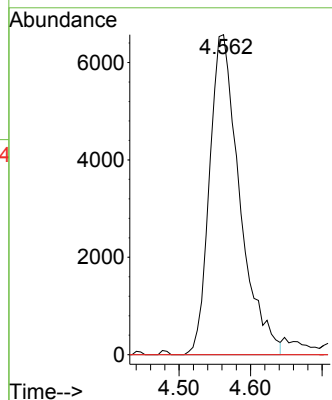
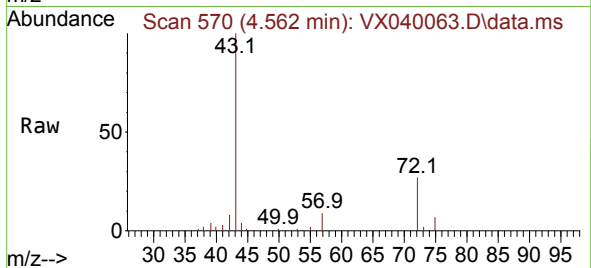
Tgt Ion: 43 Resp: 19269

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.485 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040063.D

Acq: 01 Feb 2024 12:07

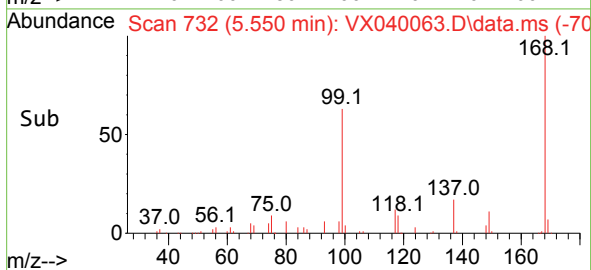
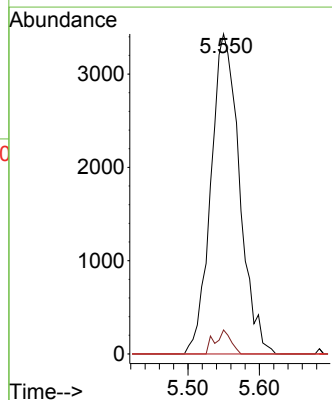
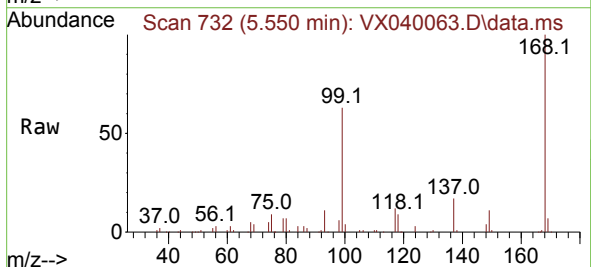
Tgt Ion: 117 Resp: 9518

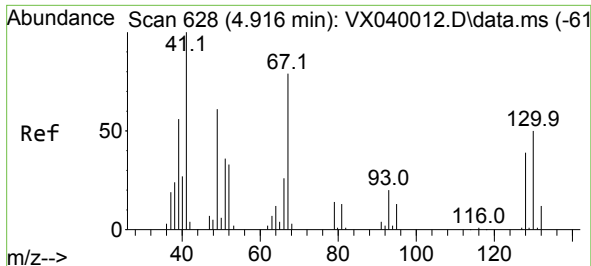
Ion Ratio Lower Upper

117 100

119 7.5 78.2 117.2#

121 0.0 24.4 36.6#

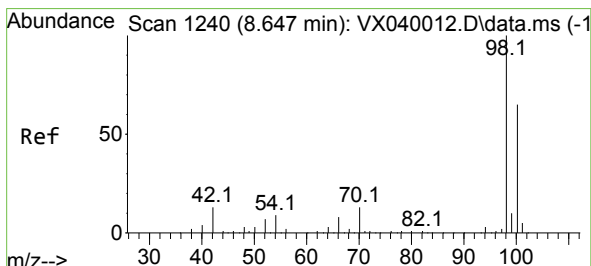
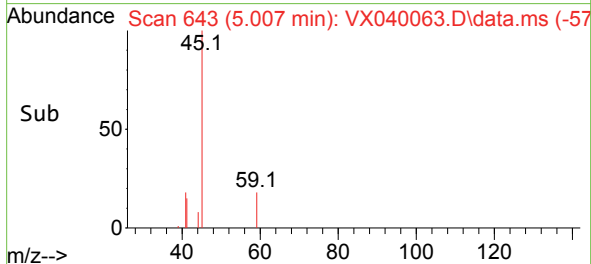
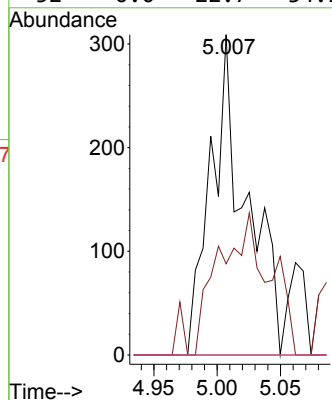
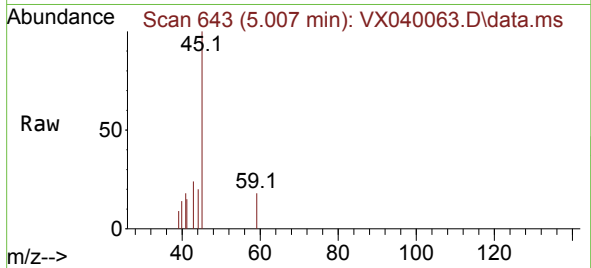




#41
Methacrylonitrile
Concen: 0.707 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.091 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

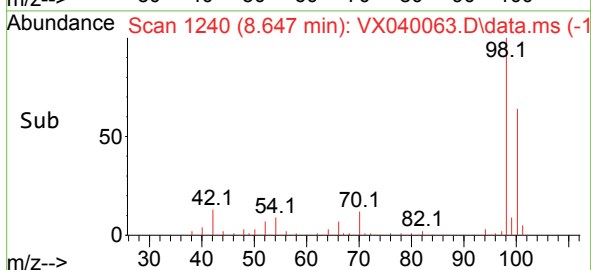
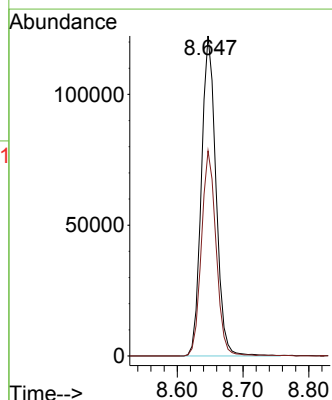
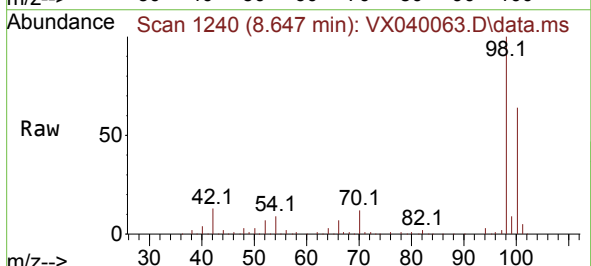
Instrument :
MSVOA_X
ClientSampleId :
31913

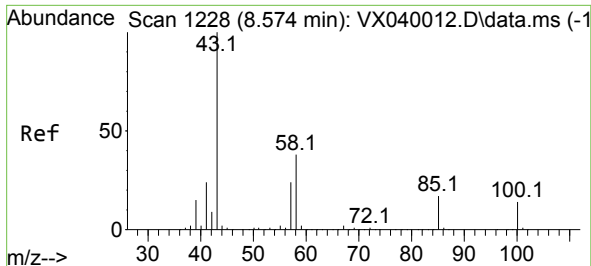
Tgt Ion: 41 Resp: 601
Ion Ratio Lower Upper
41 100
39 49.9 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#50
Toluene-d8
Concen: 47.637 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

Tgt Ion: 98 Resp: 188936
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.379 ug/l

RT: 8.567 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX040063.D

Acq: 01 Feb 2024 12:07

Instrument :

MSVOA_X

ClientSampleId :

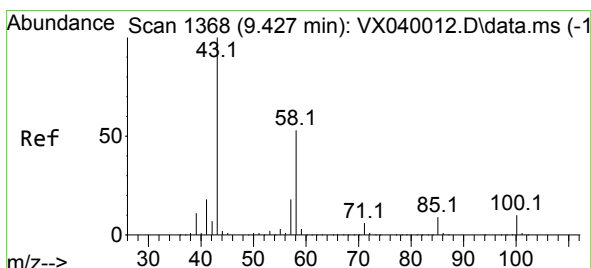
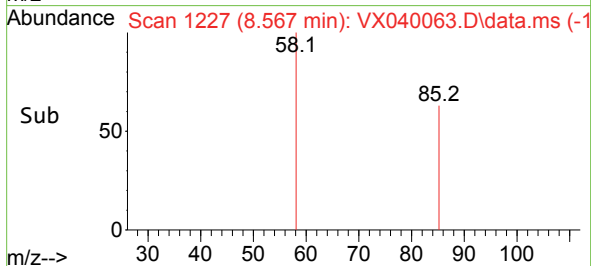
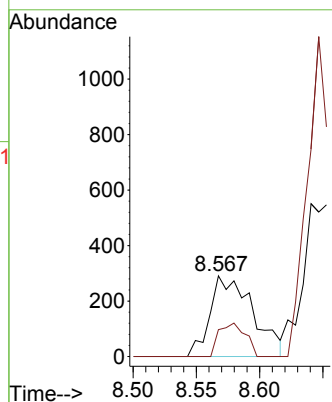
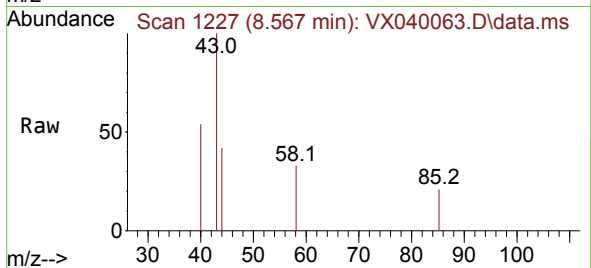
31913

Tgt Ion: 43 Resp: 683

Ion Ratio Lower Upper

43 100

58 25.8 30.4 45.6#



#59

2-Hexanone

Concen: 0.622 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX040063.D

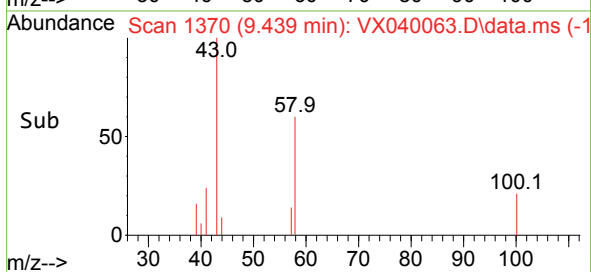
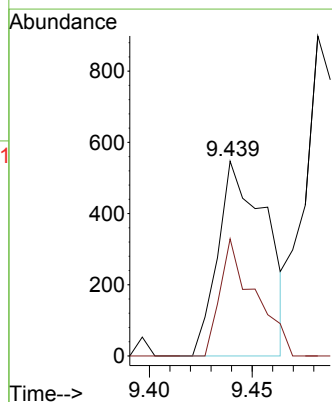
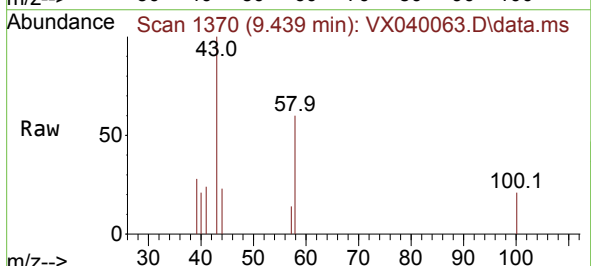
Acq: 01 Feb 2024 12:07

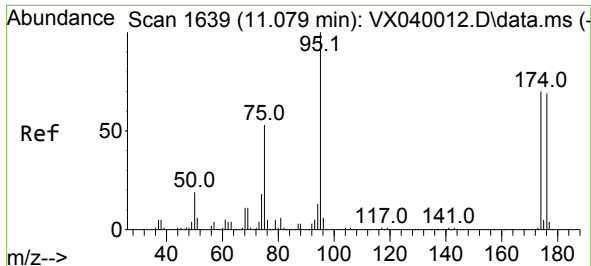
Tgt Ion: 43 Resp: 894

Ion Ratio Lower Upper

43 100

58 43.3 26.2 78.5

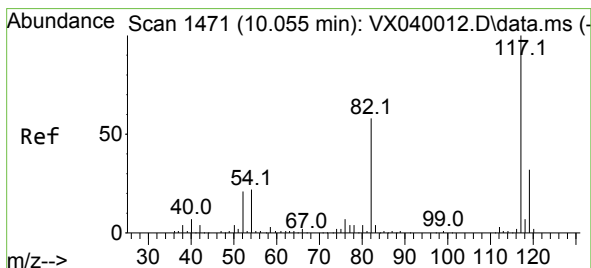
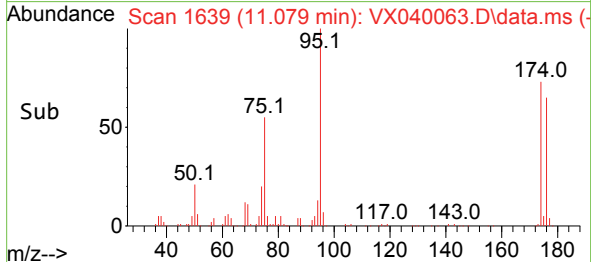
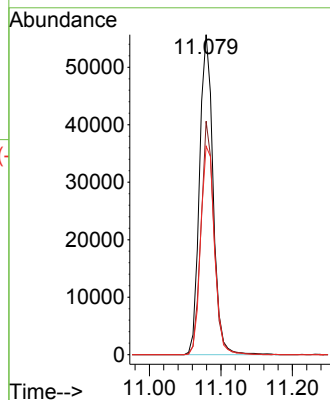
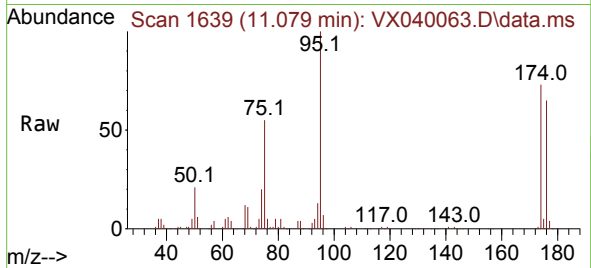




#62
4-Bromofluorobenzene
Concen: 47.833 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

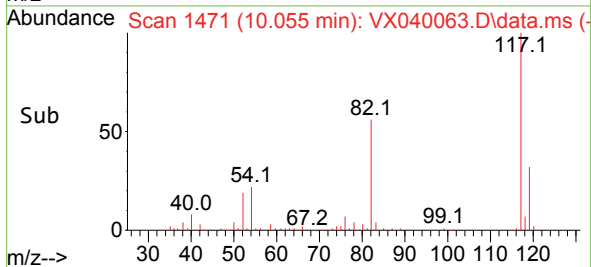
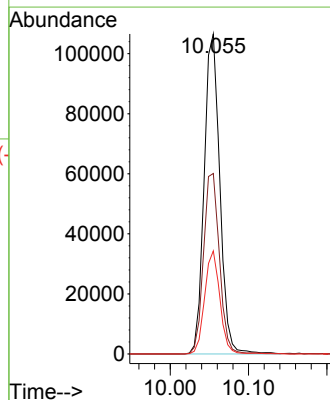
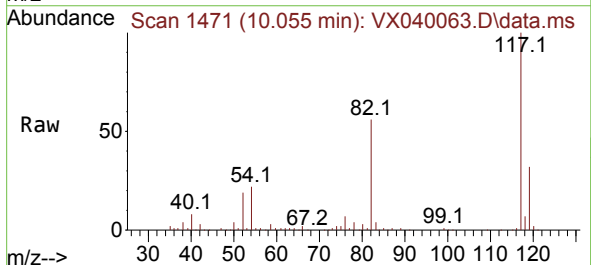
Instrument :
MSVOA_X
ClientSampleId :
31913

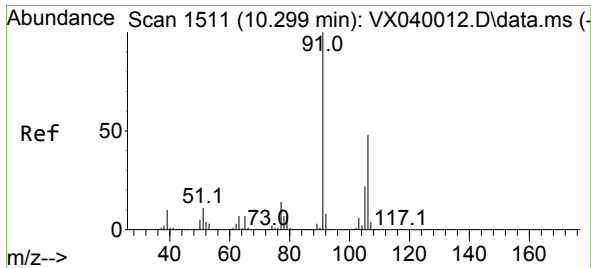
Tgt Ion: 95 Resp: 73050
Ion Ratio Lower Upper
95 100
174 70.0 0.0 135.6
176 66.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

Tgt Ion: 117 Resp: 147888
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 32.2 25.5 38.3

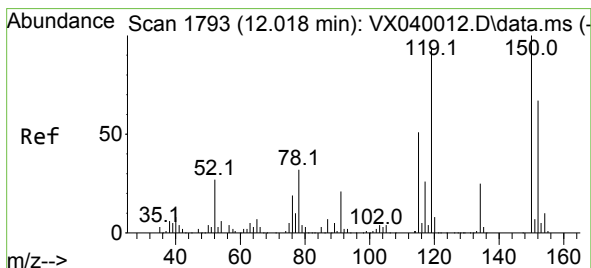
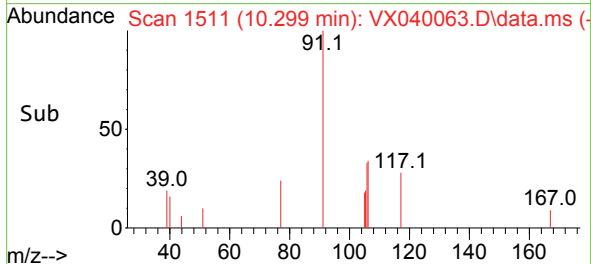
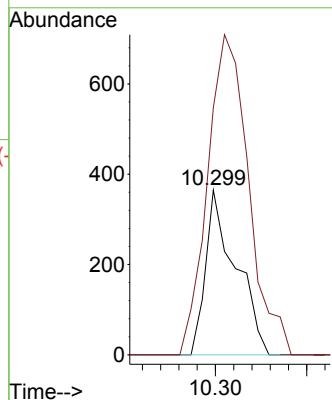
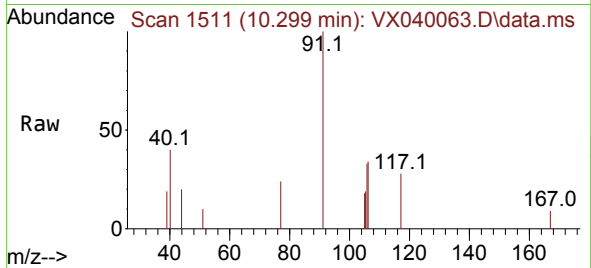




#68
m/p-Xylenes
Concen: 0.203 ug/l
RT: 10.299 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

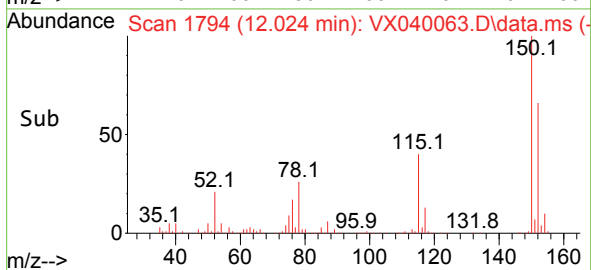
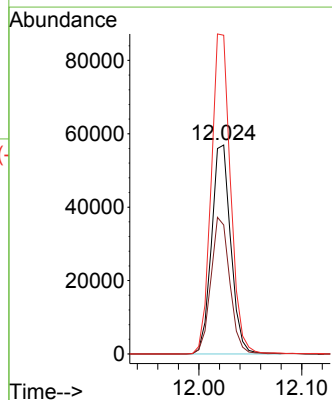
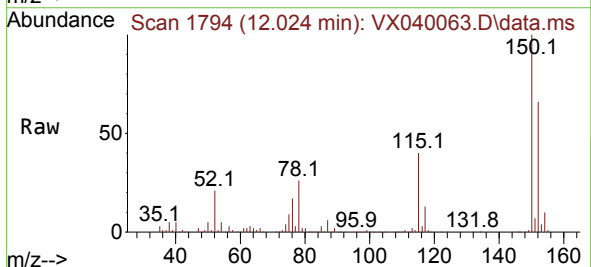
Instrument :
MSVOA_X
ClientSampleId :
31913

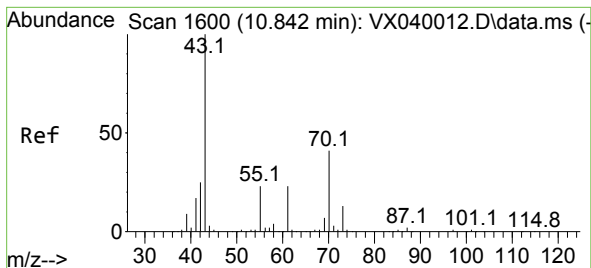
Tgt Ion:106 Resp: 418
Ion Ratio Lower Upper
106 100
91 265.6 165.5 248.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

Tgt Ion:152 Resp: 74022
Ion Ratio Lower Upper
152 100
115 64.3 43.3 129.9
150 154.3 0.0 345.0





#74

N-amy1 acetate

Concen: 0.353 ug/l

RT: 10.884 min Scan# 1

Delta R.T. 0.042 min

Lab File: VX040063.D

Acq: 01 Feb 2024 12:07

Instrument :

MSVOA_X

ClientSampleId :

31913

Tgt Ion: 43 Resp: 373

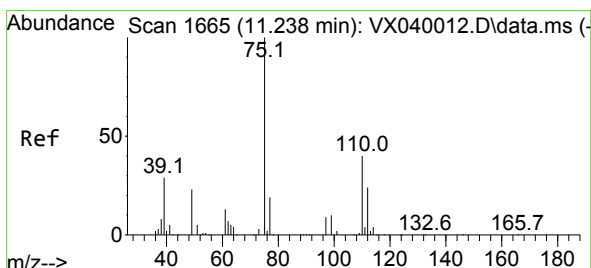
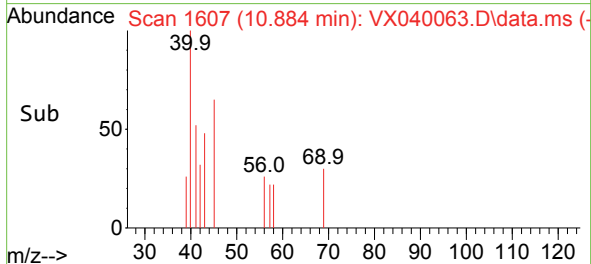
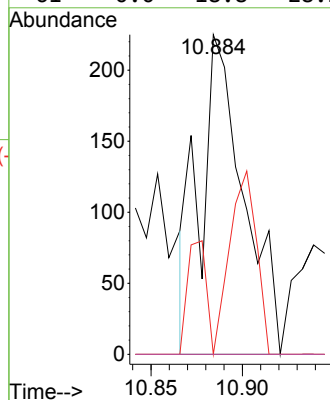
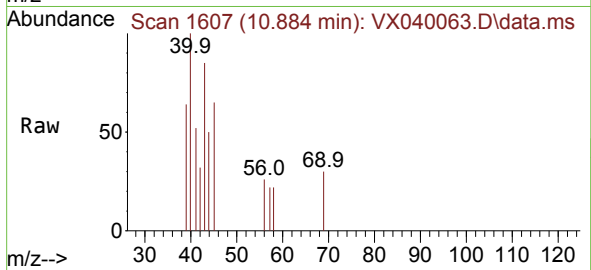
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 15.3 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.881 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040063.D

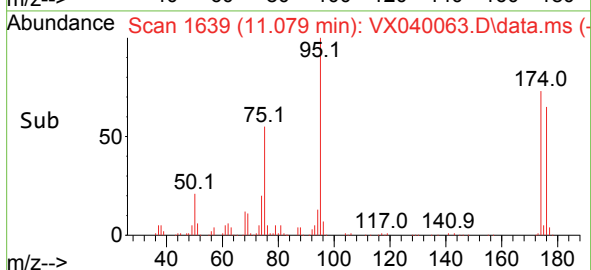
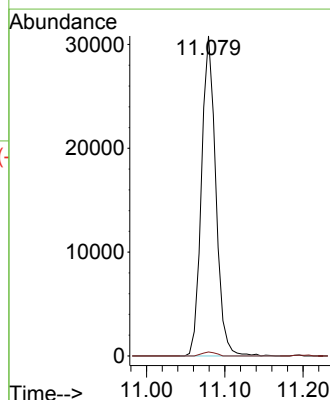
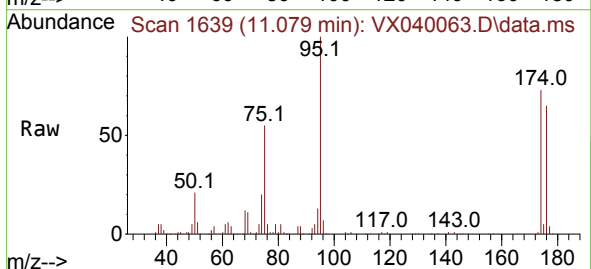
Acq: 01 Feb 2024 12:07

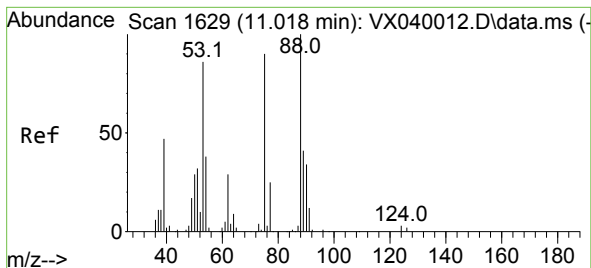
Tgt Ion: 75 Resp: 39220

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

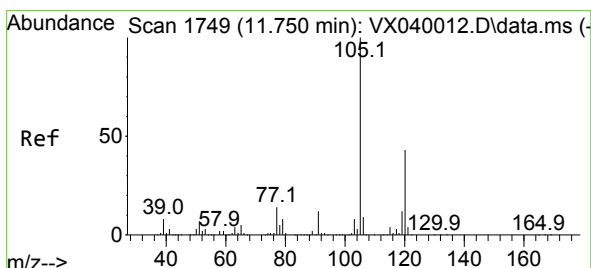
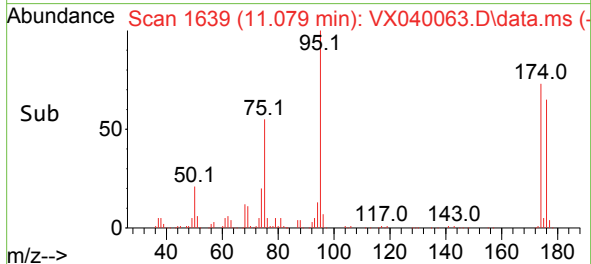
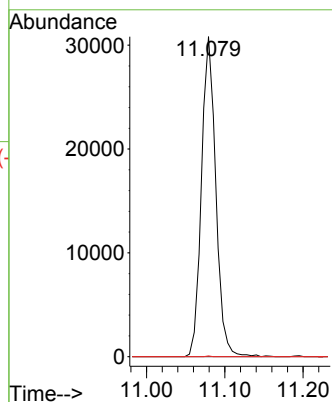
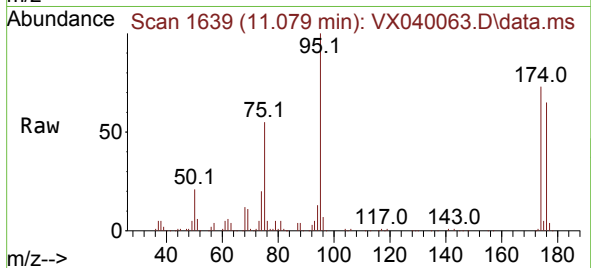




#81
trans-1,4-Dichloro-2-butene
Concen: 73.624 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

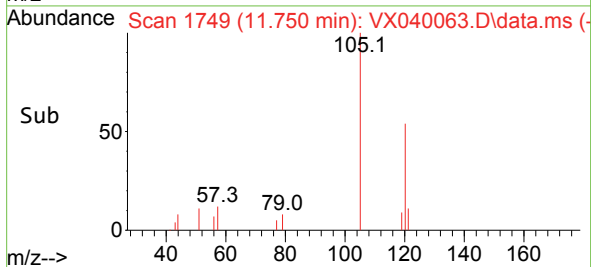
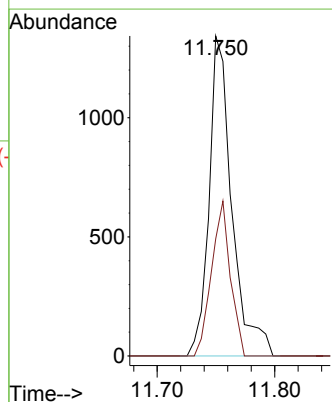
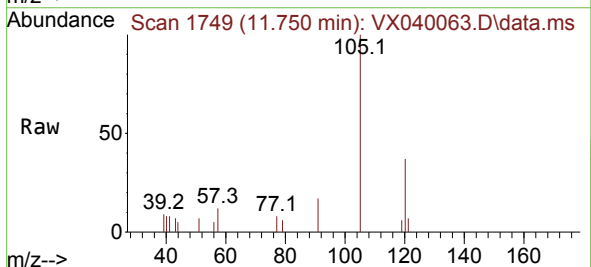
Instrument :
MSVOA_X
ClientSampleId :
31913

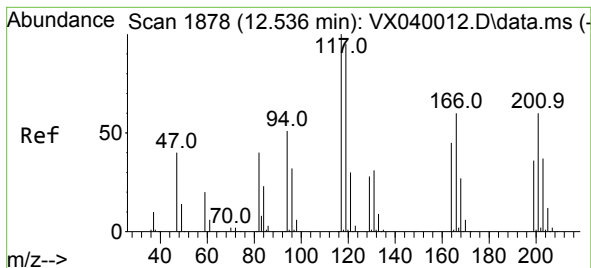
Tgt Ion: 75 Resp: 39220
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.397 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX040063.D
Acq: 01 Feb 2024 12:07

Tgt Ion: 105 Resp: 1808
Ion Ratio Lower Upper
105 100
120 39.9 21.2 63.6





#90

Hexachloroethane

Concen: Below Cal

RT: 12.603 min Scan# 117

Delta R.T. 0.067 min

Lab File: VX040063.D

Acq: 01 Feb 2024 12:07

Instrument :

MSVOA_X

ClientSampleId :

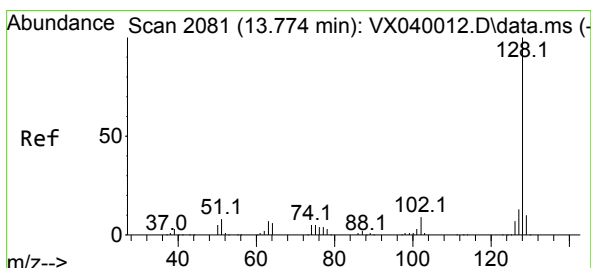
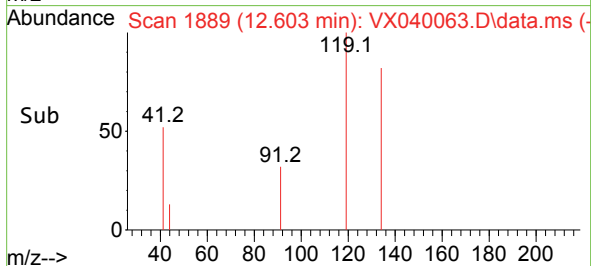
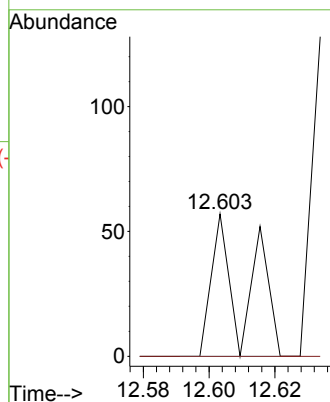
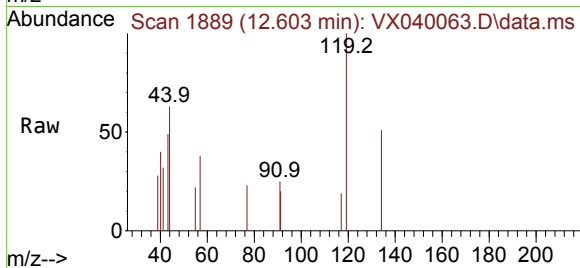
31913

Tgt Ion:117 Resp: 40

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#95

Naphthalene

Concen: 0.778 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040063.D

Acq: 01 Feb 2024 12:07

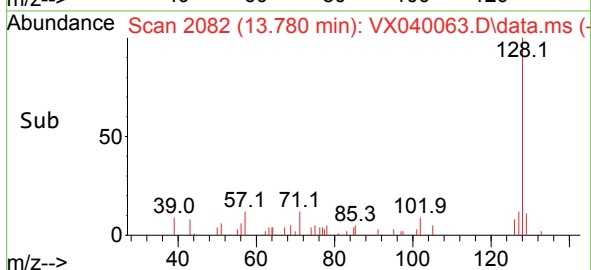
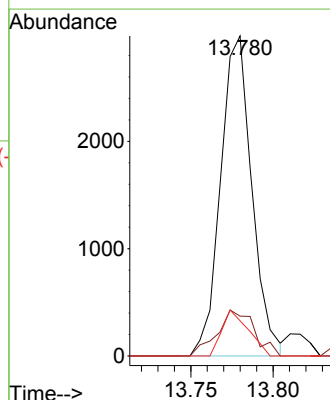
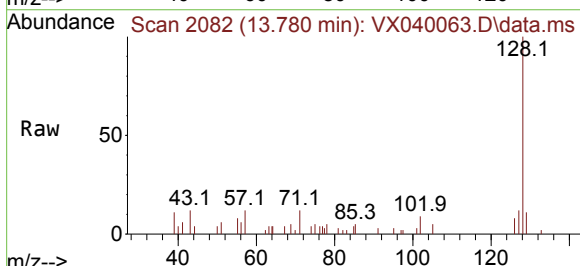
Tgt Ion:128 Resp: 3940

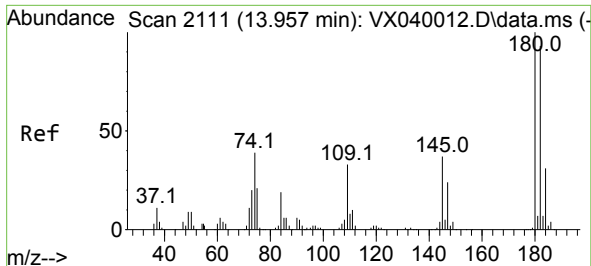
Ion Ratio Lower Upper

128 100

127 17.2 10.3 15.5#

129 12.1 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.215 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. -0.000 min
 Lab File: VX040063.D
 Acq: 01 Feb 2024 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 31913

Tgt Ion:180 Resp: 317
 Ion Ratio Lower Upper
 180 100
 182 55.5 46.9 140.6
 145 111.7 17.8 53.5#

