

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021723\
 Data File : VX034169.D
 Acq On : 17 Feb 2023 19:47
 Operator : JC/MD
 Sample : 01581-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-C

Quant Time: Feb 20 00:37:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

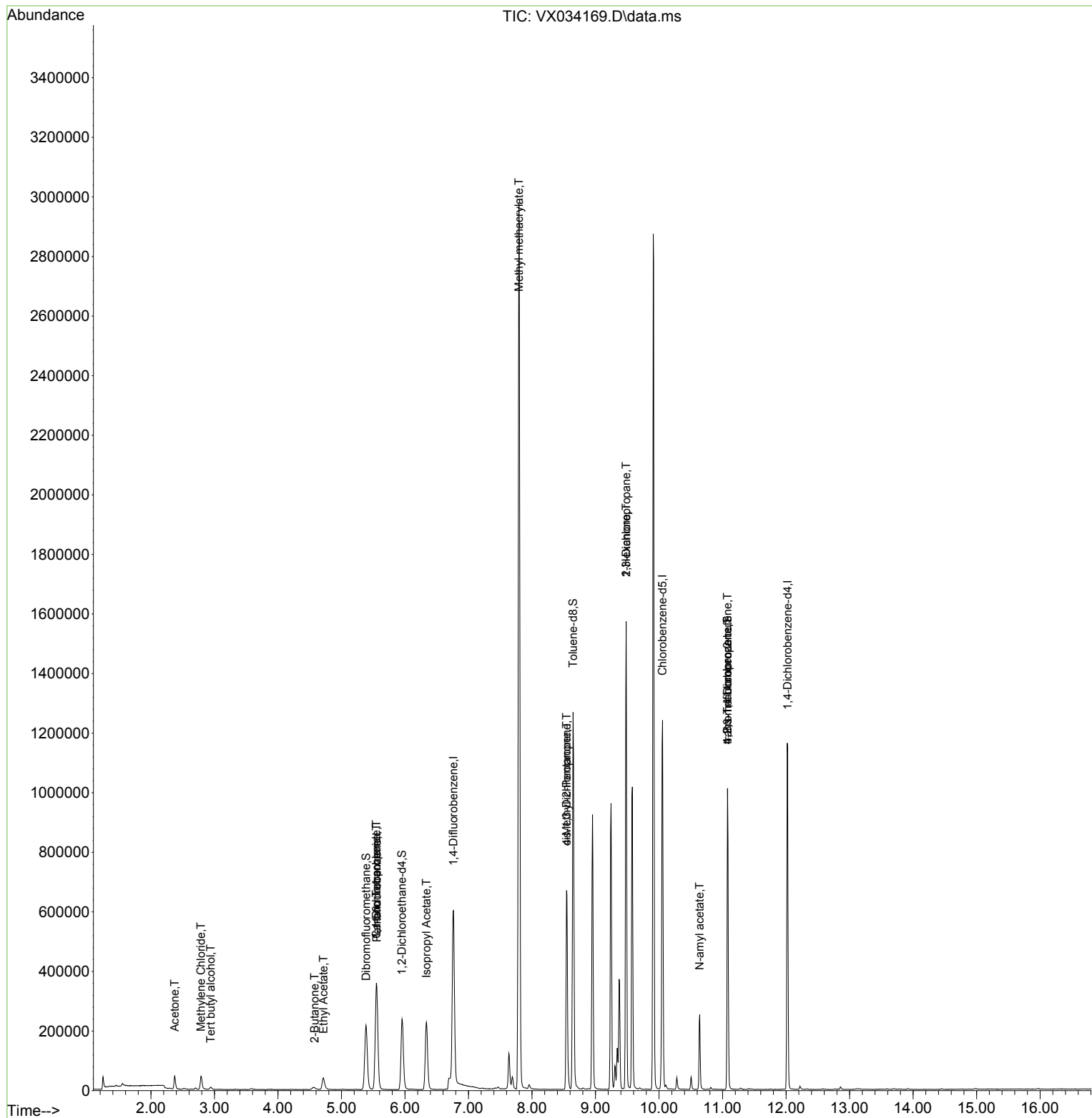
Internal Standards						
1) Pentafluorobenzene	5.556	168	364512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	612893	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	557918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	249050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	216876	44.178	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.360%
35) Dibromofluoromethane	5.385	113	191398	47.963	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.920%
50) Toluene-d8	8.647	98	742381	51.816	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.640%
62) 4-Bromofluorobenzene	11.079	95	267259	48.767	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.540%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	573	Below Cal	#	50
11) Tert butyl alcohol	2.940	59	5061	4.609	ug/l #	95
16) Acetone	2.373	43	45023	17.779	ug/l	91
20) Methylene Chloride	2.788	84	22844	5.007	ug/l	97
25) 2-Butanone	4.574	43	8329	2.273	ug/l	95
36) 1,1-Dichloropropene	5.550	75	26392	4.472	ug/l #	49
37) Ethyl Acetate	4.715	43	71447	10.833	ug/l	98
38) Carbon Tetrachloride	5.550	117	34350	5.656	ug/l #	15
43) Isopropyl Acetate	6.336	43	329152	28.280	ug/l	99
48) Methyl methacrylate	7.793	41	245776	44.490	ug/l #	44
51) 4-Methyl-2-Pentanone	8.543	43	239739	37.438	ug/l #	50
54) cis-1,3-Dichloropropene	8.543	75	113976	14.709	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	13592	1.826	ug/l #	44
59) 2-Hexanone	9.482	43	185084	37.926	ug/l #	51
74) N-amyl acetate	10.640	43	71010	7.447	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	131528	20.988	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	131528	53.917	ug/l #	8

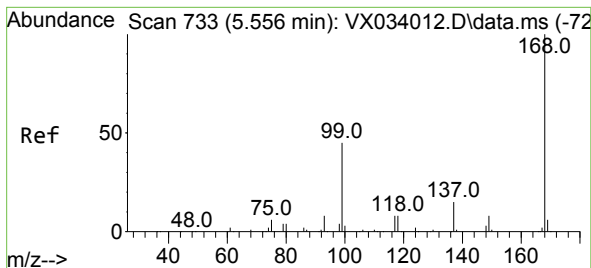
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX034169.D

Acq: 17 Feb 2023 19:47

Instrument :

MSVOA_X

ClientSampleId :

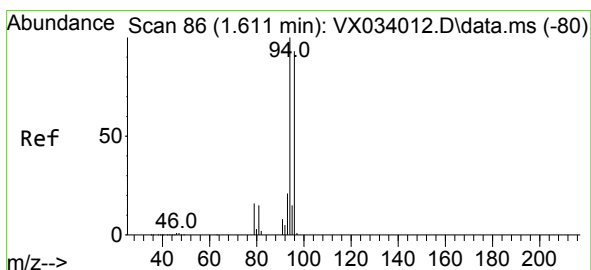
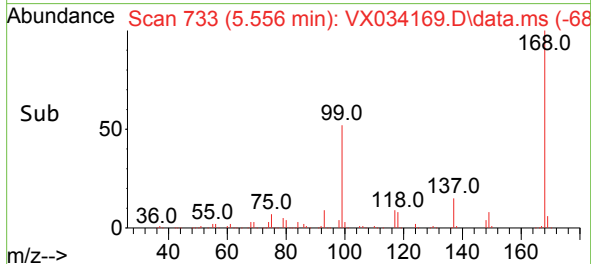
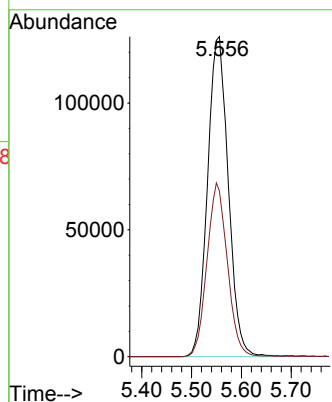
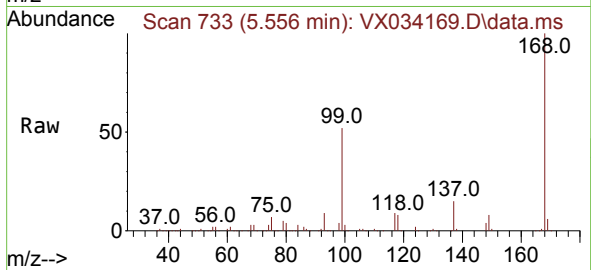
MH-C

Tgt Ion:168 Resp: 364512

Ion Ratio Lower Upper

168 100

99 51.8 39.6 59.4



#5

Bromomethane

Concen: Below Cal

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX034169.D

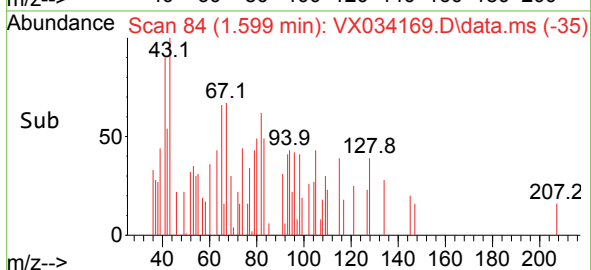
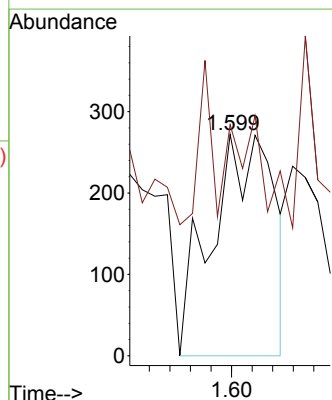
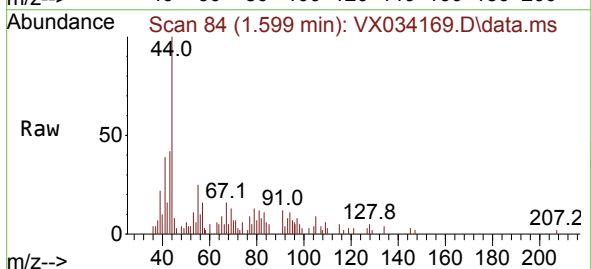
Acq: 17 Feb 2023 19:47

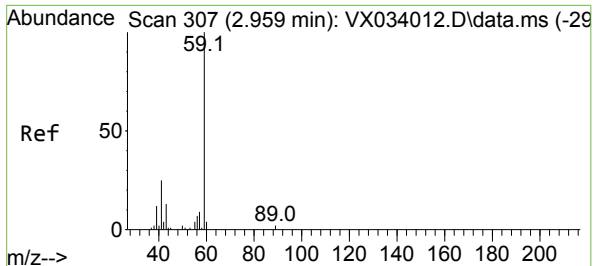
Tgt Ion: 94 Resp: 573

Ion Ratio Lower Upper

94 100

96 45.2 74.3 111.5#

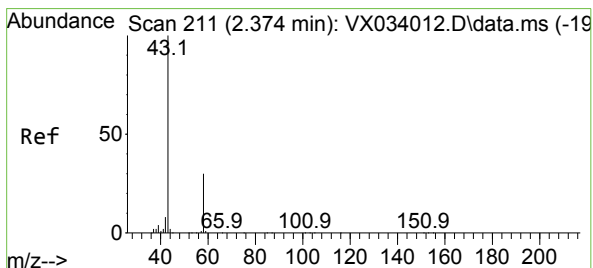
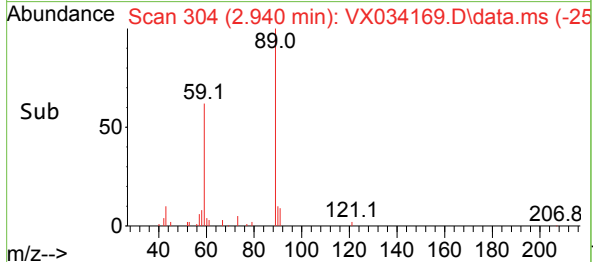
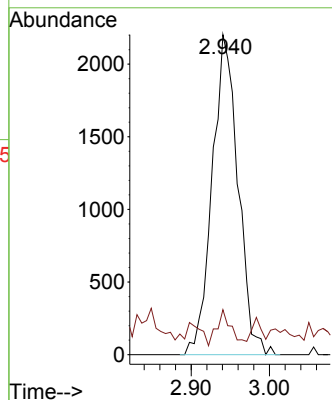
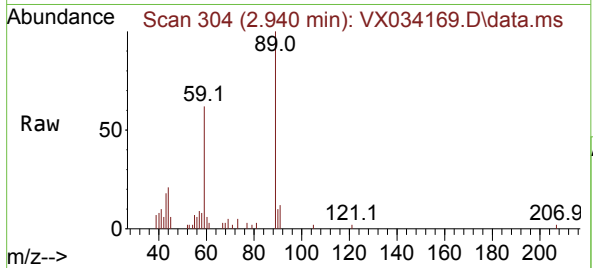




#11
Tert butyl alcohol
Concen: 4.609 ug/l
RT: 2.940 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX034169.D
Acq: 17 Feb 2023 19:47

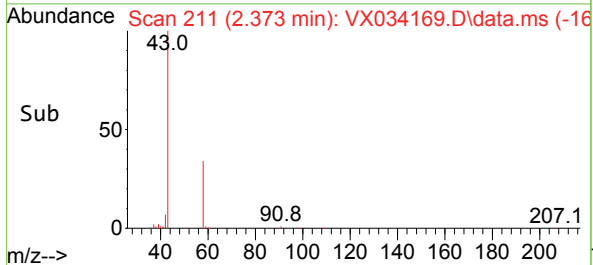
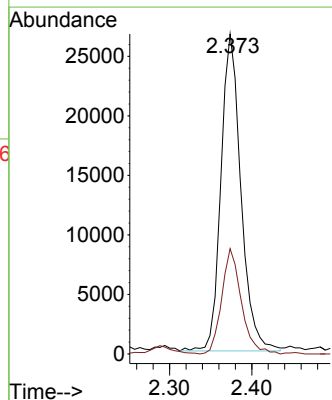
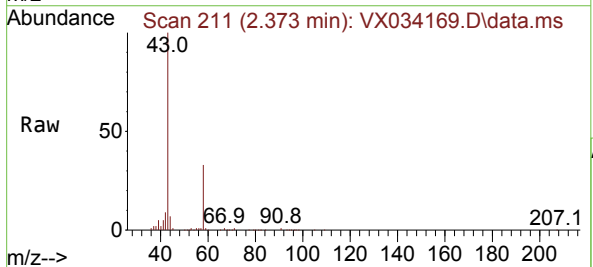
Instrument :
MSVOA_X
ClientSampleId :
MH-C

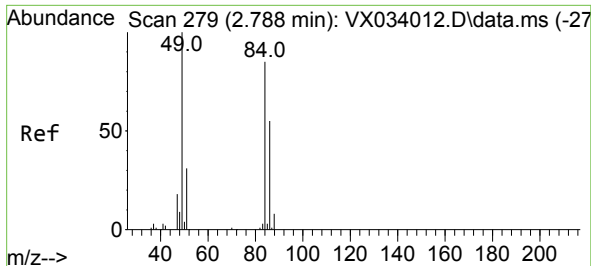
Tgt Ion: 59 Resp: 5061
Ion Ratio Lower Upper
59 100
57 6.2 3.7 5.5#



#16
Acetone
Concen: 17.779 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034169.D
Acq: 17 Feb 2023 19:47

Tgt Ion: 43 Resp: 45023
Ion Ratio Lower Upper
43 100
58 33.2 22.6 33.8

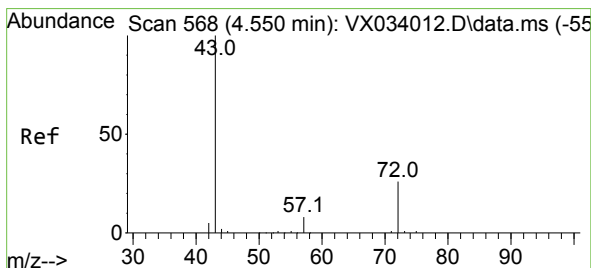
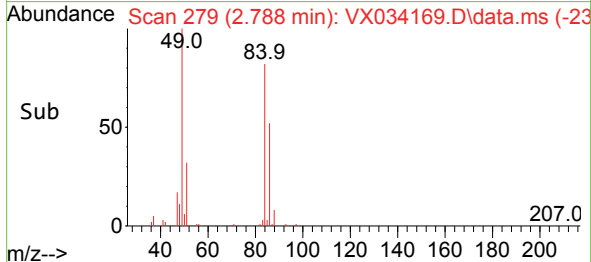
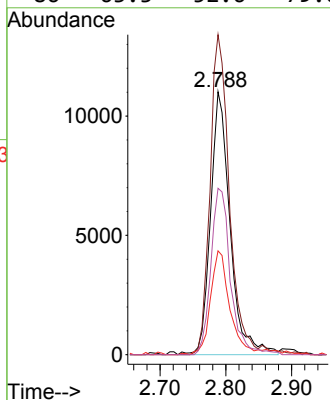
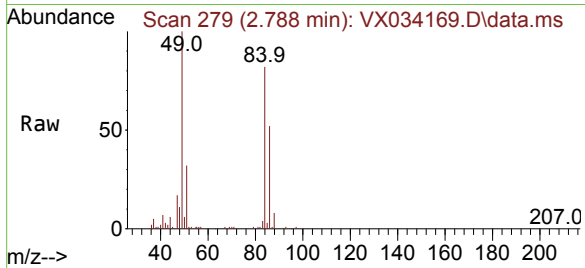




#20
Methylene Chloride
Concen: 5.007 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034169.D
Acq: 17 Feb 2023 19:47

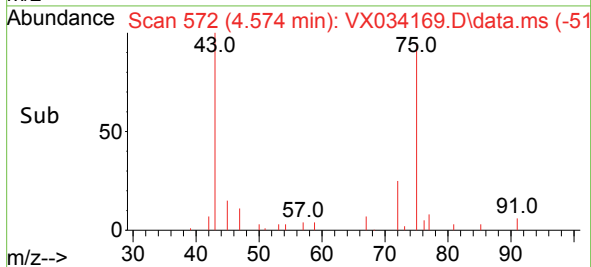
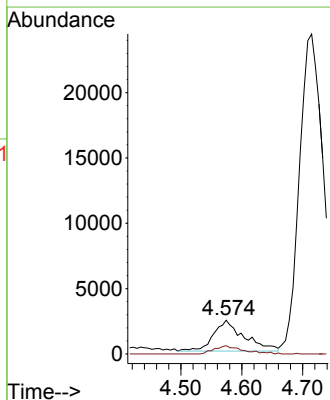
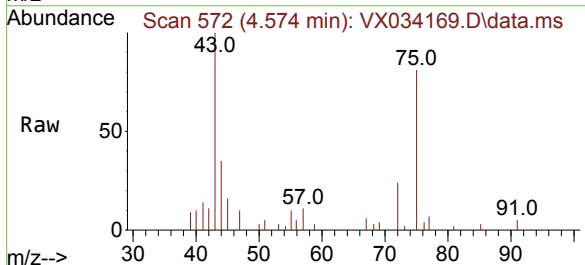
Instrument :
MSVOA_X
ClientSampleId :
MH-C

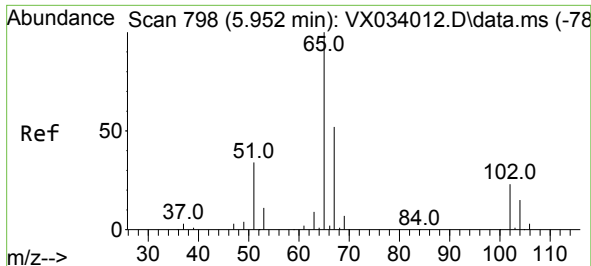
Tgt Ion:	84	Resp:	22844
Ion	Ratio	Lower	Upper
84	100		
49	121.7	101.1	151.7
51	39.5	31.0	46.6
86	63.3	52.6	79.0



#25
2-Butanone
Concen: 2.273 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.031 min
Lab File: VX034169.D
Acq: 17 Feb 2023 19:47

Tgt Ion:	43	Resp:	8329
Ion	Ratio	Lower	Upper
43	100		
72	26.7	19.4	29.2





#33

1,2-Dichloroethane-d4

Concen: 44.178 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX034169.D

Acq: 17 Feb 2023 19:47

Instrument :

MSVOA_X

ClientSampleId :

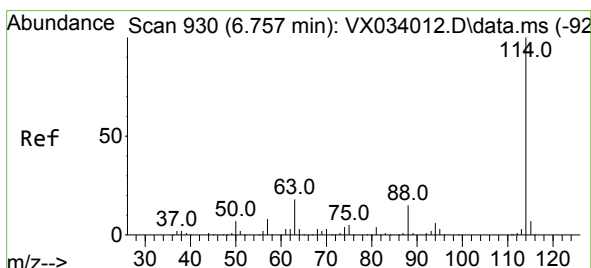
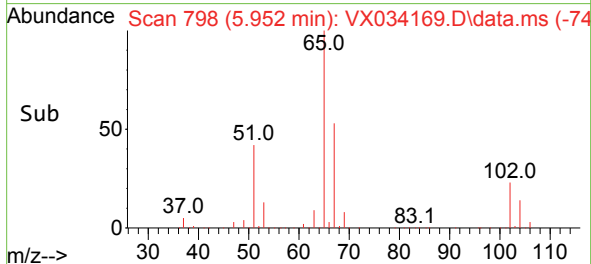
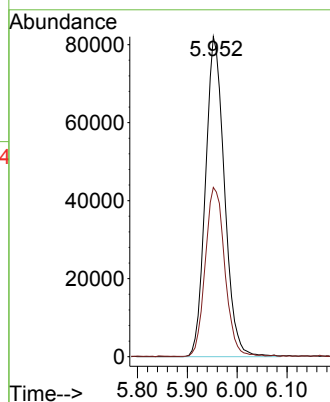
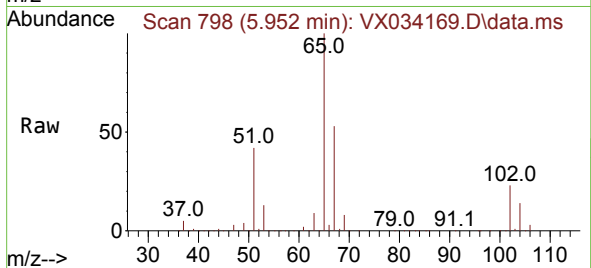
MH-C

Tgt Ion: 65 Resp: 216876

Ion Ratio Lower Upper

65 100

67 54.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034169.D

Acq: 17 Feb 2023 19:47

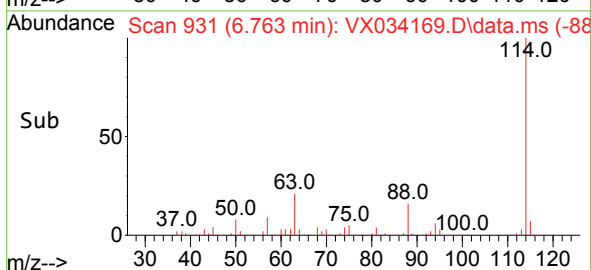
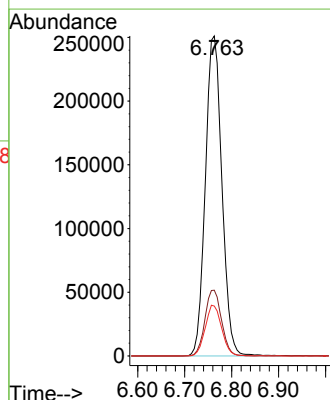
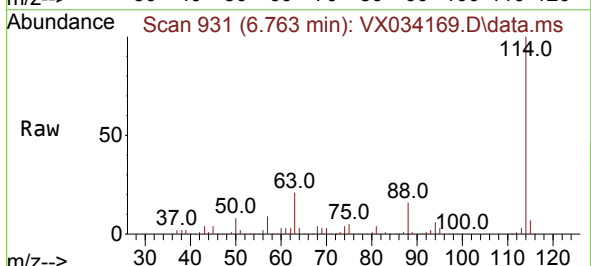
Tgt Ion: 114 Resp: 612893

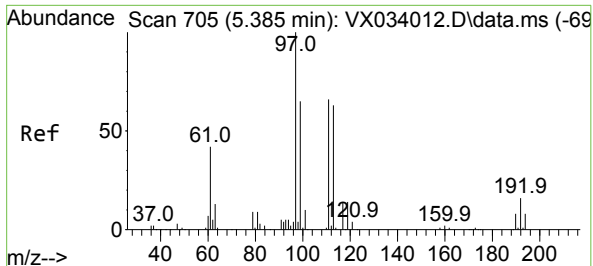
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 15.6 0.0 30.6

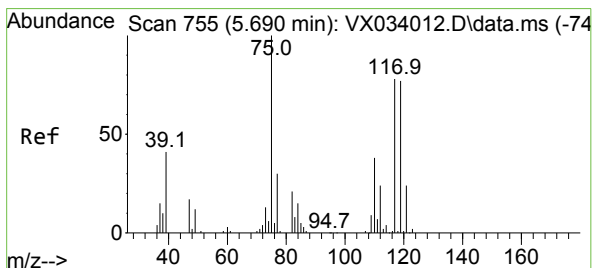
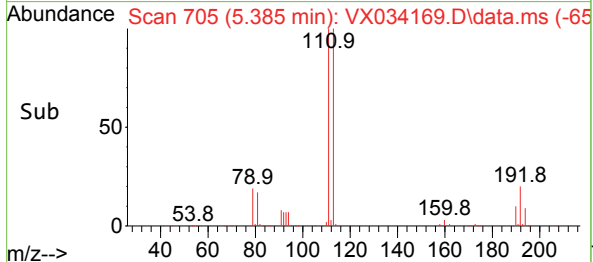
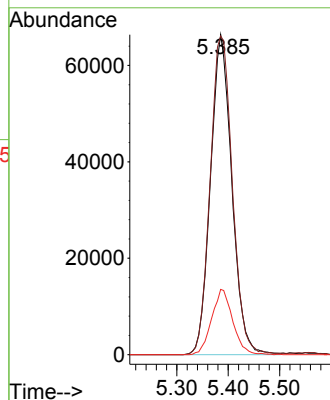
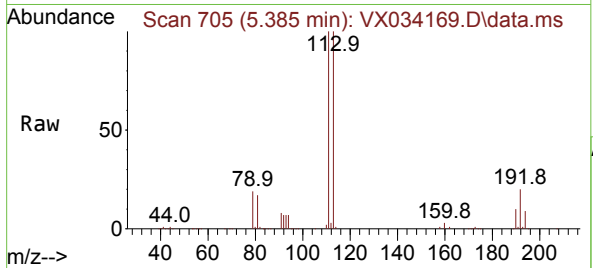




#35
Dibromofluoromethane
Concen: 47.963 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034169.D
Acq: 17 Feb 2023 19:47

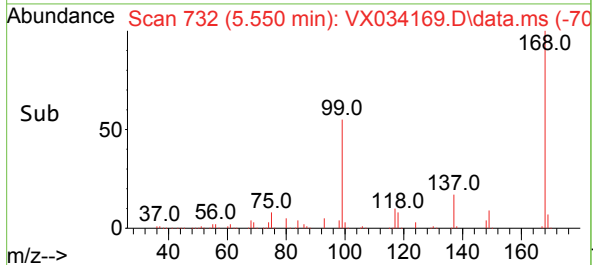
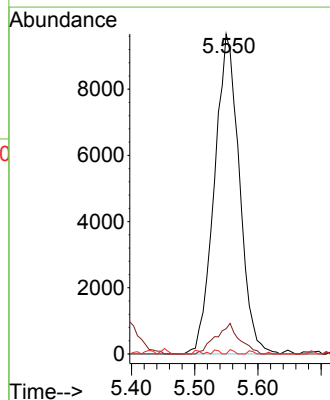
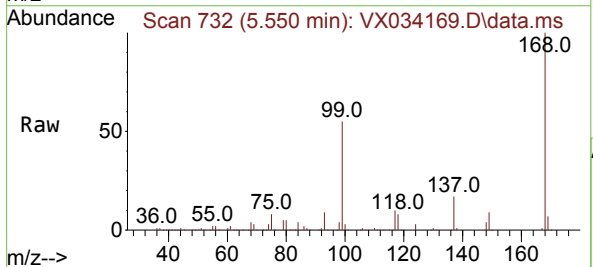
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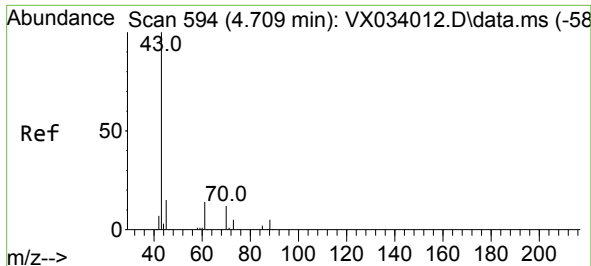
Tgt Ion:113 Resp: 191398
Ion Ratio Lower Upper
113 100
111 103.4 83.0 124.6
192 20.2 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.472 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034169.D
Acq: 17 Feb 2023 19:47

Tgt Ion: 75 Resp: 26392
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.4#
77 0.3 25.1 37.7#





#37

Ethyl Acetate

Concen: 10.833 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX034169.D

Acq: 17 Feb 2023 19:47

Instrument :

MSVOA_X

ClientSampleId :

MH-C

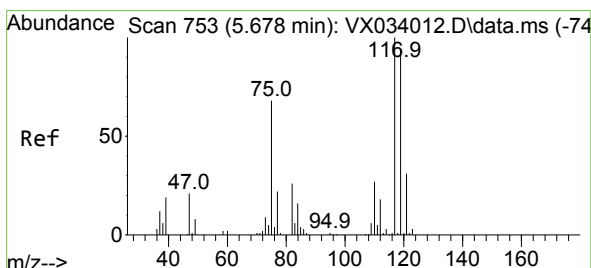
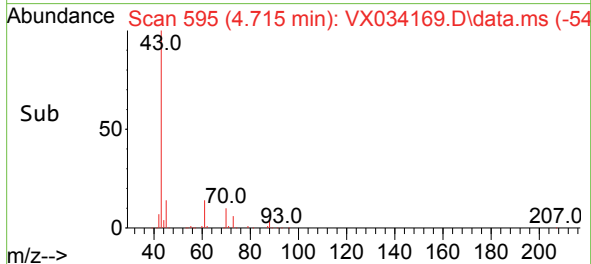
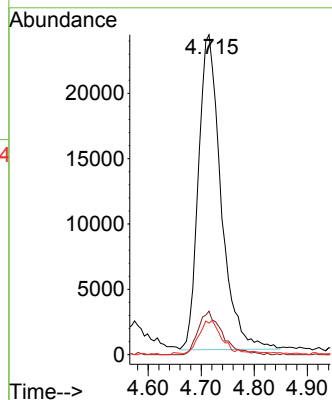
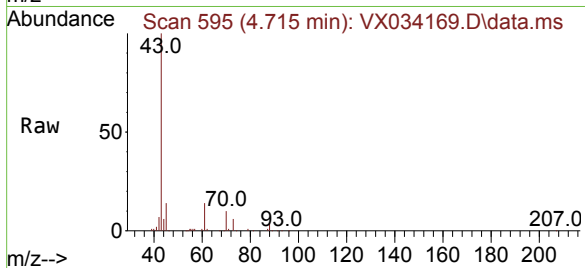
Tgt Ion: 43 Resp: 71447

Ion Ratio Lower Upper

43 100

61 14.5 11.1 16.7

70 10.0 8.5 12.7



#38

Carbon Tetrachloride

Concen: 5.656 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX034169.D

Acq: 17 Feb 2023 19:47

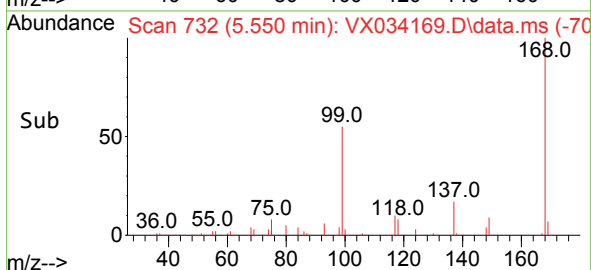
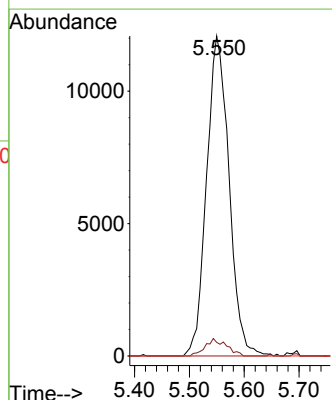
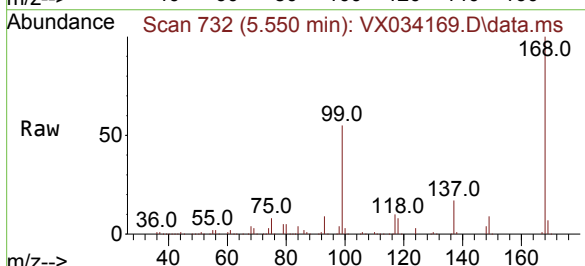
Tgt Ion: 117 Resp: 34350

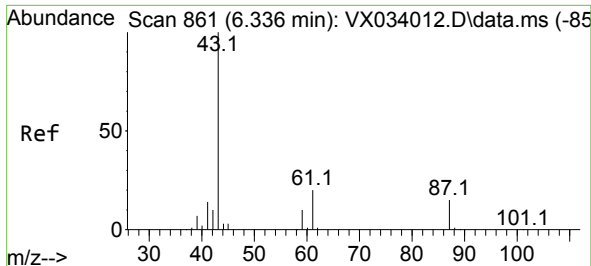
Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

121 0.0 24.4 36.6#

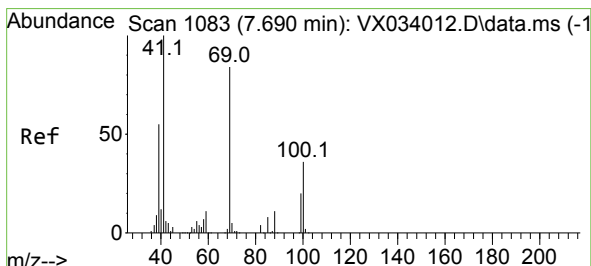
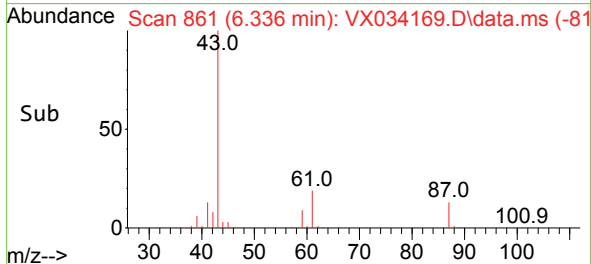
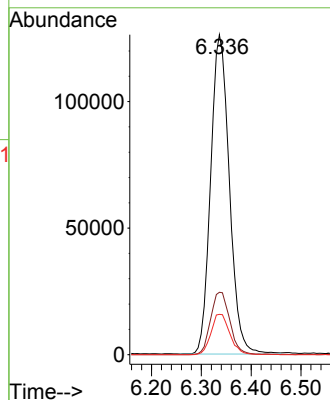
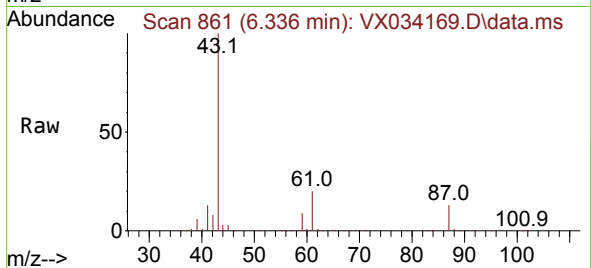




#43
Isopropyl Acetate
Concen: 28.280 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX034169.D
Acq: 17 Feb 2023 19:47

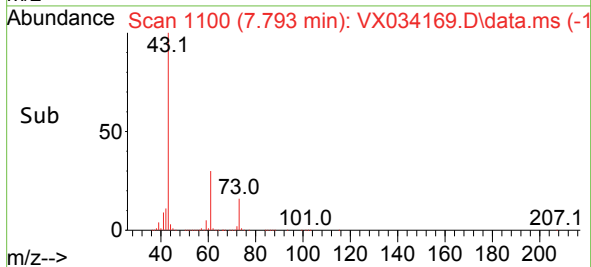
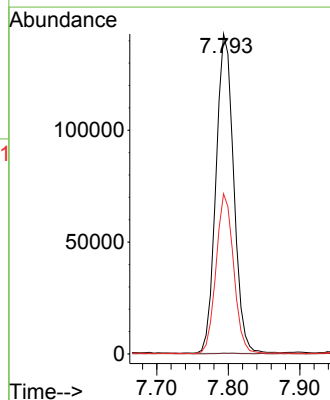
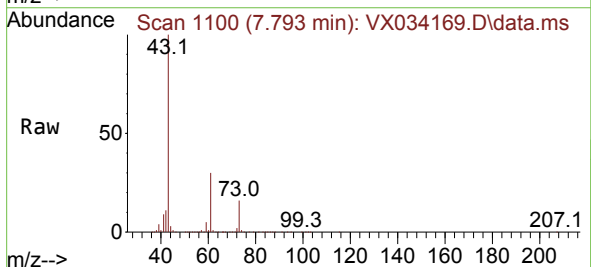
Instrument :
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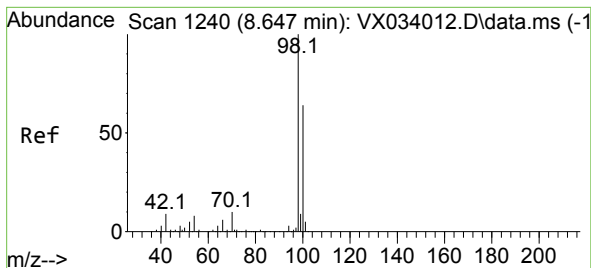
Tgt Ion: 43 Resp: 329152
Ion Ratio Lower Upper
43 100
61 20.0 15.7 23.5
87 12.7 10.6 15.8



#48
Methyl methacrylate
Concen: 44.490 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034169.D
Acq: 17 Feb 2023 19:47

Tgt Ion: 41 Resp: 245776
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 49.5 43.2 64.8





#50

Toluene-d8

Concen: 51.816 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034169.D

Acq: 17 Feb 2023 19:47

Instrument :

MSVOA_X

ClientSampleId :

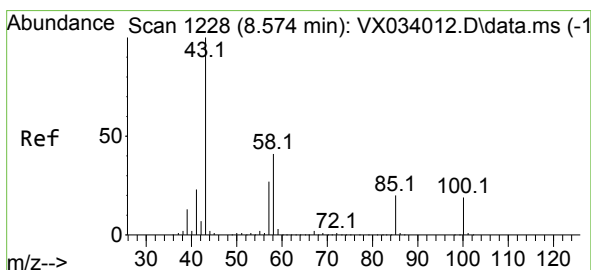
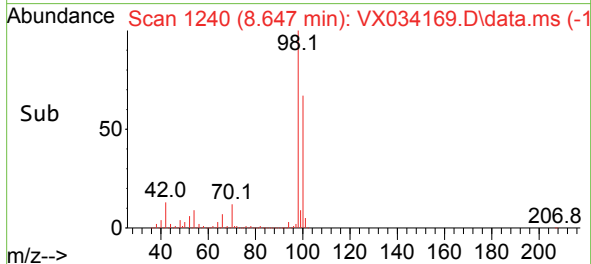
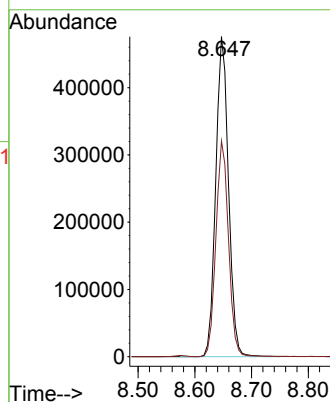
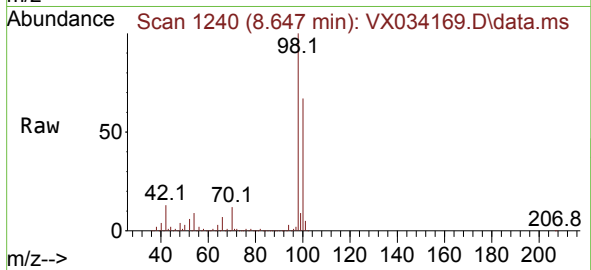
MH-C

Tgt Ion: 98 Resp: 742381

Ion Ratio Lower Upper

98 100

100 66.6 53.6 80.4



#51

4-Methyl-2-Pentanone

Concen: 37.438 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. -0.024 min

Lab File: VX034169.D

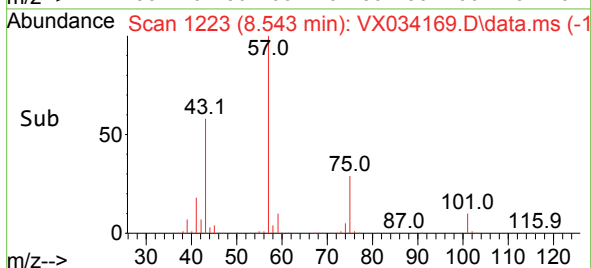
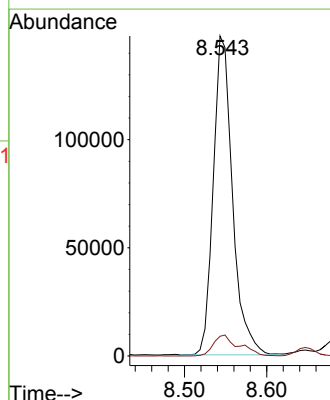
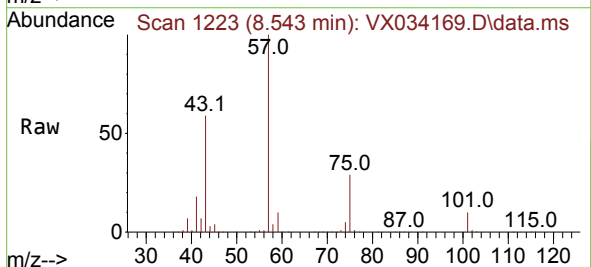
Acq: 17 Feb 2023 19:47

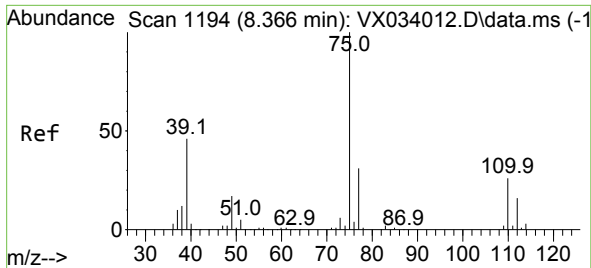
Tgt Ion: 43 Resp: 239739

Ion Ratio Lower Upper

43 100

58 8.8 31.2 46.8#

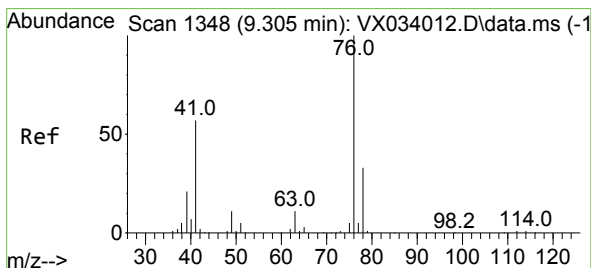
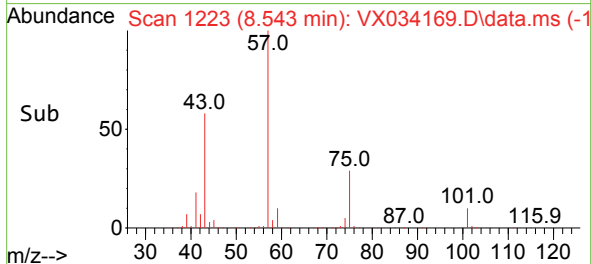
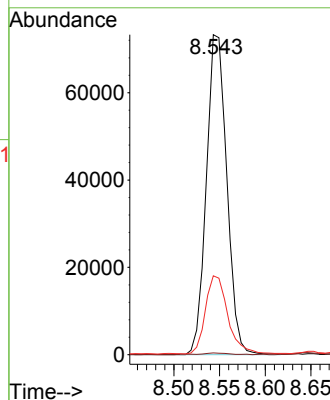
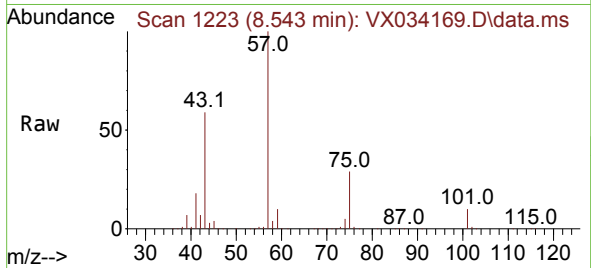




#54
 cis-1,3-Dichloropropene
 Concen: 14.709 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX034169.D
 Acq: 17 Feb 2023 19:47

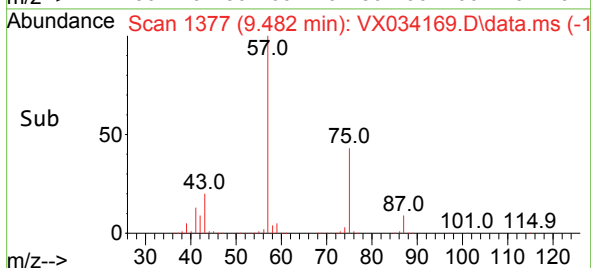
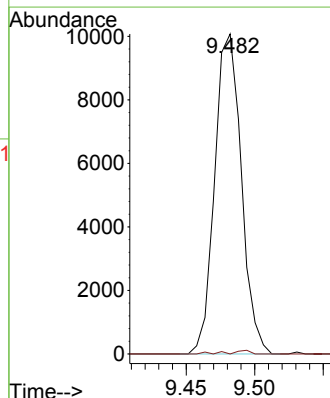
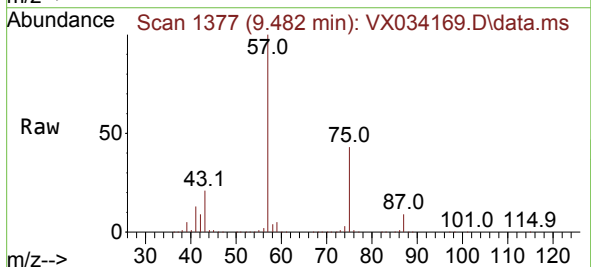
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-C

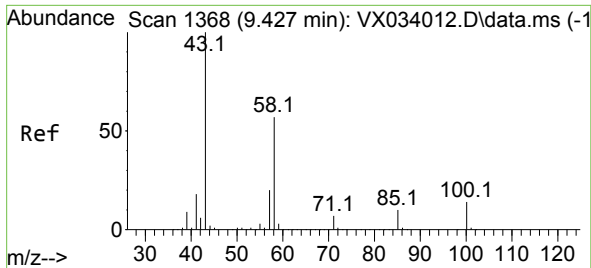
Tgt Ion: 75 Resp: 113976
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 24.3 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 1.826 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034169.D
 Acq: 17 Feb 2023 19:47

Tgt Ion: 76 Resp: 13592
 Ion Ratio Lower Upper
 76 100
 78 0.8 25.6 38.4#

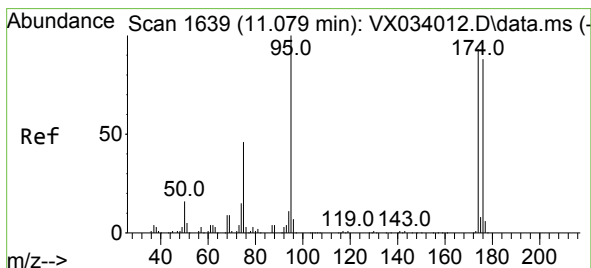
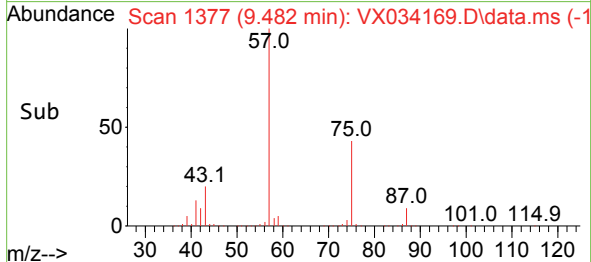
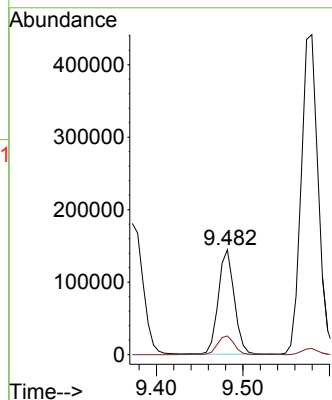
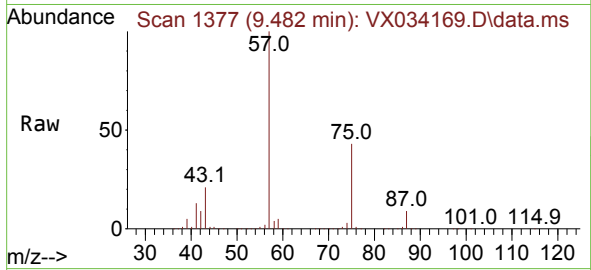




#59
2-Hexanone
Concen: 37.926 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034169.D
Acq: 17 Feb 2023 19:47

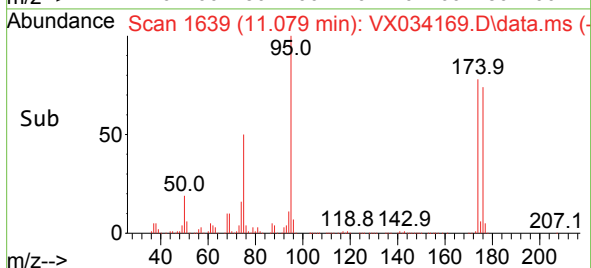
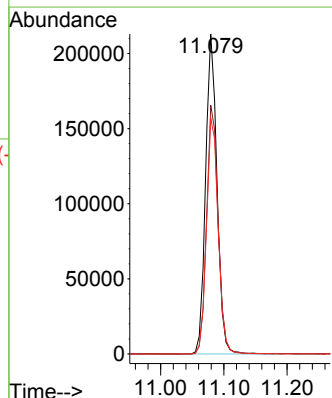
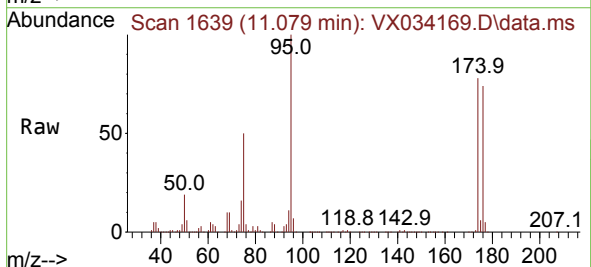
Instrument :
MSVOA_X
ClientSampleId :
MH-C

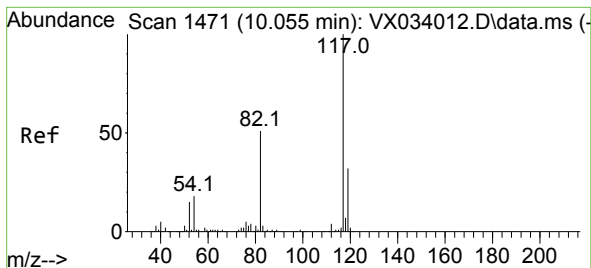
Tgt Ion: 43 Resp: 185084
Ion Ratio Lower Upper
43 100
58 19.3 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 48.767 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034169.D
Acq: 17 Feb 2023 19:47

Tgt Ion: 95 Resp: 267259
Ion Ratio Lower Upper
95 100
174 78.7 0.0 184.4
176 75.7 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034169.D

Acq: 17 Feb 2023 19:47

Instrument :

MSVOA_X

ClientSampleId :

MH-C

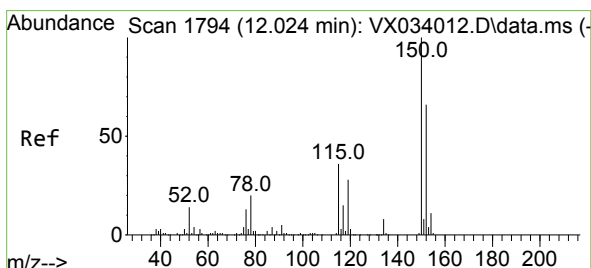
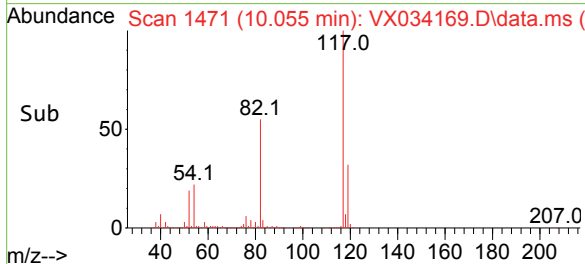
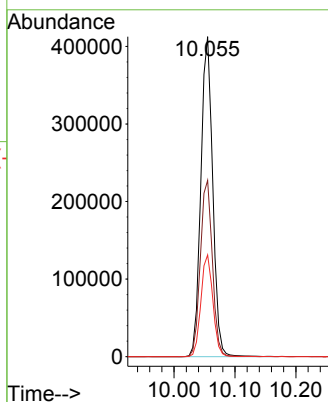
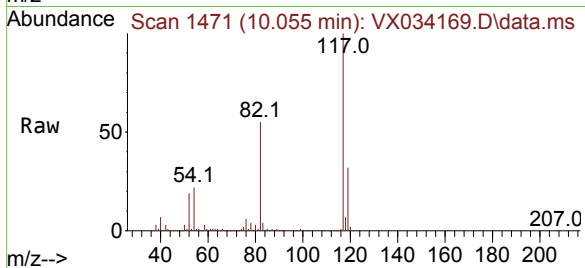
Tgt Ion:117 Resp: 557918

Ion Ratio Lower Upper

117 100

82 55.1 40.6 60.8

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX034169.D

Acq: 17 Feb 2023 19:47

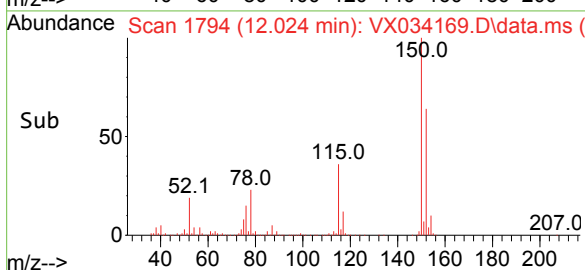
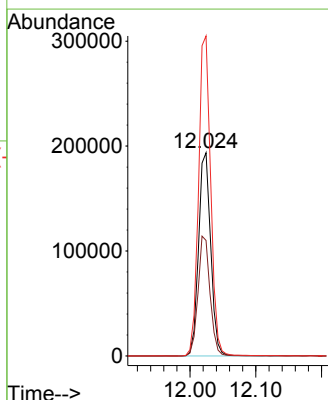
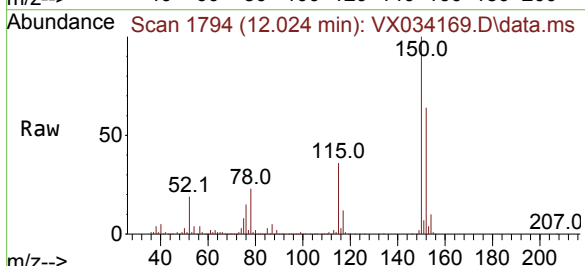
Tgt Ion:152 Resp: 249050

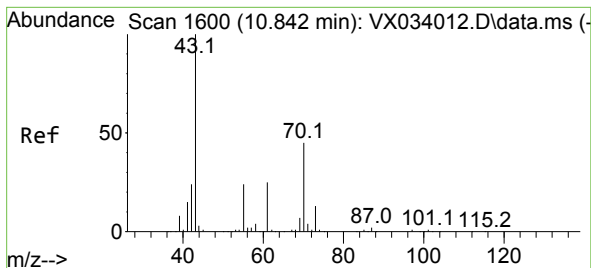
Ion Ratio Lower Upper

152 100

115 58.4 38.7 116.1

150 157.5 0.0 348.2





#74

N-amy1 acetate

Concen: 7.447 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034169.D

Acq: 17 Feb 2023 19:47

Instrument :

MSVOA_X

ClientSampleId :

MH-C

Tgt Ion: 43 Resp: 71010

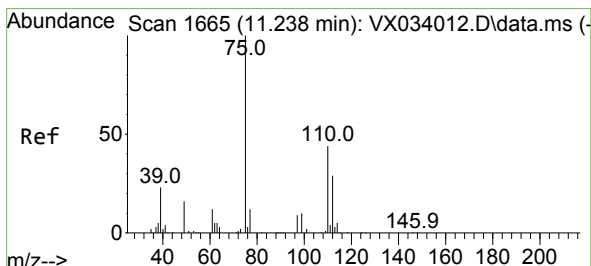
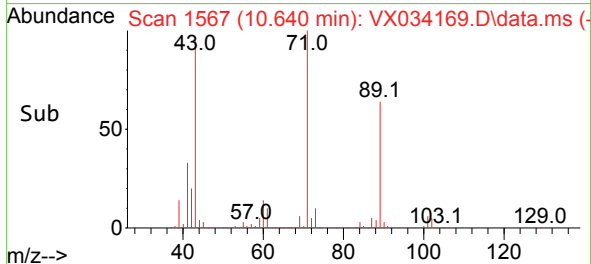
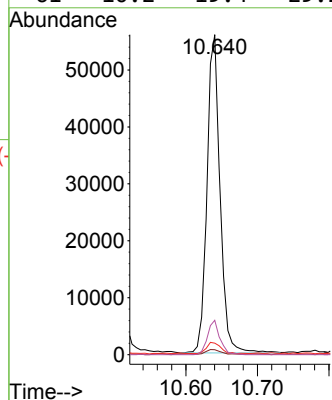
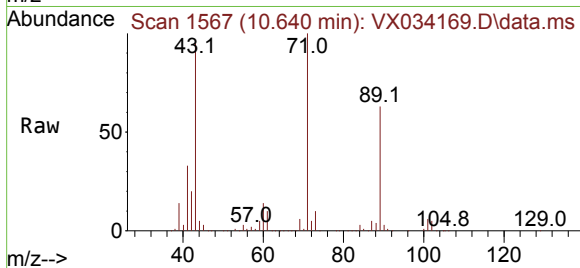
Ion Ratio Lower Upper

43 100

70 2.0 34.8 52.2#

55 3.7 19.4 29.0#

61 10.2 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 20.988 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034169.D

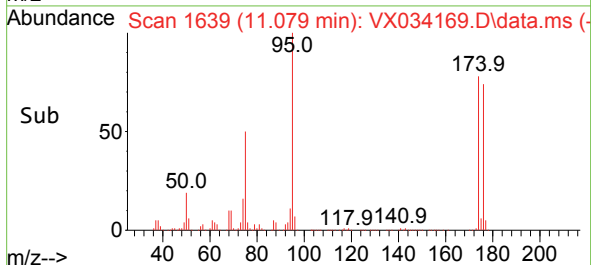
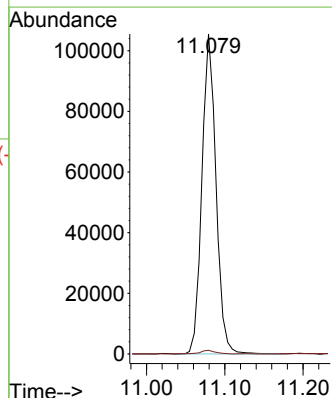
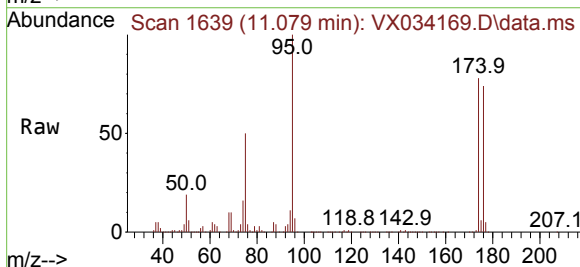
Acq: 17 Feb 2023 19:47

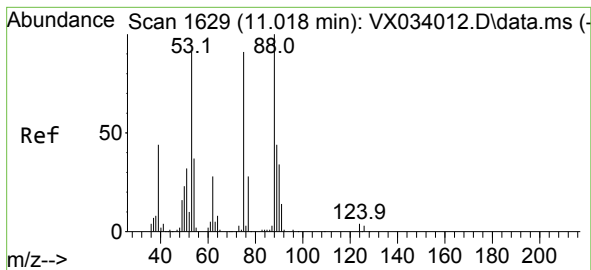
Tgt Ion: 75 Resp: 131528

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.917 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034169.D
 Acq: 17 Feb 2023 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-C

Tgt Ion: 75 Resp: 131528
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.1 37.7 56.5#

