

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021723\
 Data File : VX034168.D
 Acq On : 17 Feb 2023 19:23
 Operator : JC/MD
 Sample : 01581-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-A

Quant Time: Feb 20 00:37:13 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)

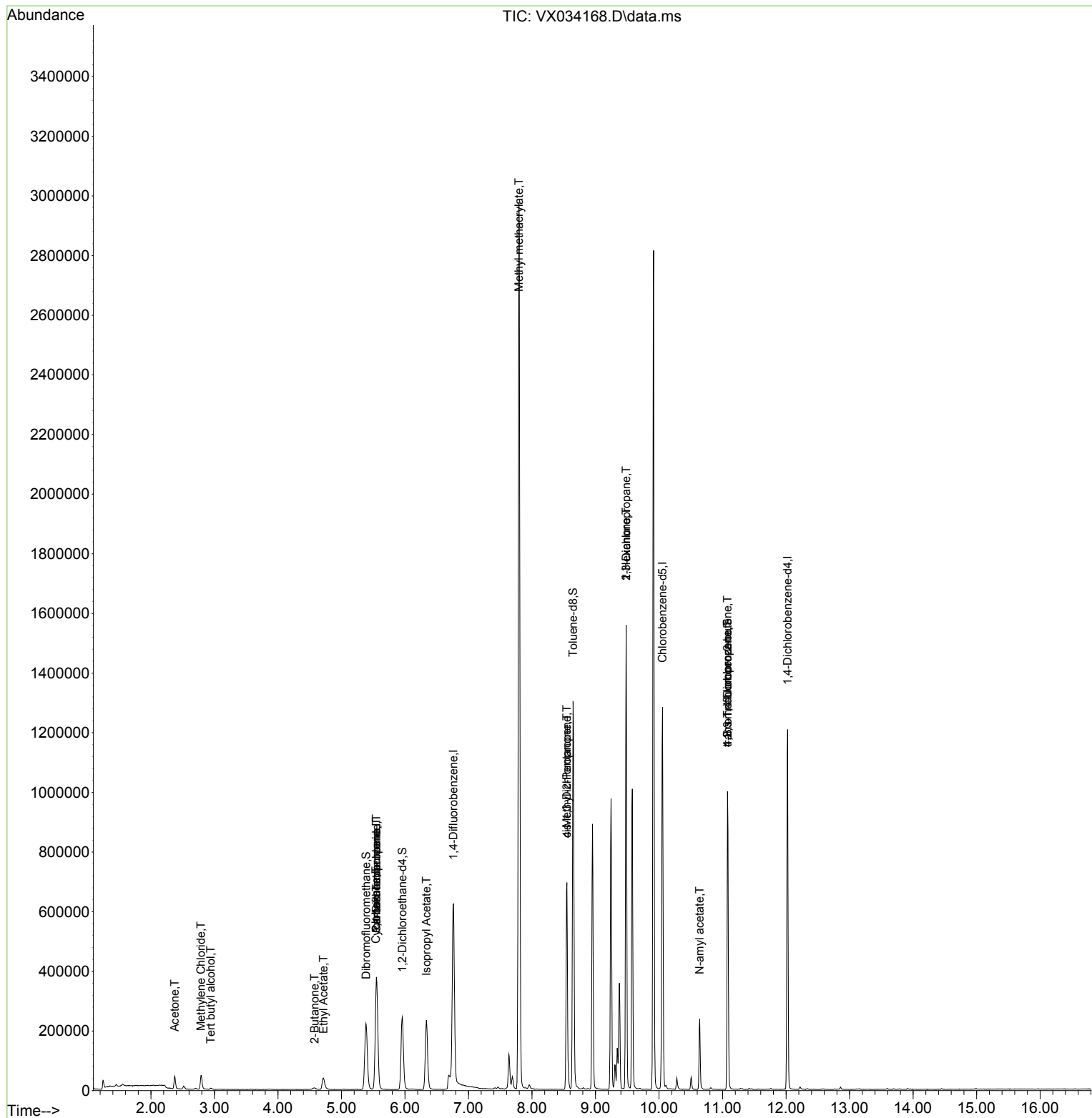
Internal Standards						
1) Pentafluorobenzene	5.550	168	374695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	632702	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	566633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	253434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	225793	44.745	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.480%
35) Dibromofluoromethane	5.385	113	198686	48.231	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.460%
50) Toluene-d8	8.647	98	762593	51.560	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.120%
62) 4-Bromofluorobenzene	11.079	95	271985	48.076	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.160%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	178	Below Cal	#	3
11) Tert butyl alcohol	2.940	59	2742	2.429	ug/l #	93
16) Acetone	2.373	43	44024	16.912	ug/l	90
20) Methylene Chloride	2.788	84	24041	5.126	ug/l	97
25) 2-Butanone	4.574	43	6885	1.828	ug/l	95
31) Cyclohexane	5.544	56	7634	1.013	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	27242	4.471	ug/l #	48
37) Ethyl Acetate	4.715	43	71658	10.524	ug/l	98
38) Carbon Tetrachloride	5.550	117	34056	5.432	ug/l #	15
43) Isopropyl Acetate	6.336	43	331342	27.577	ug/l	99
48) Methyl methacrylate	7.793	41	240669	42.202	ug/l #	44
51) 4-Methyl-2-Pentanone	8.549	43	242172	36.634	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	113746	14.220	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	13151	1.712	ug/l #	44
59) 2-Hexanone	9.482	43	182551	36.235	ug/l #	51
74) N-amyl acetate	10.640	43	65856	6.787	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	133936	21.003	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	133936	53.954	ug/l #	8

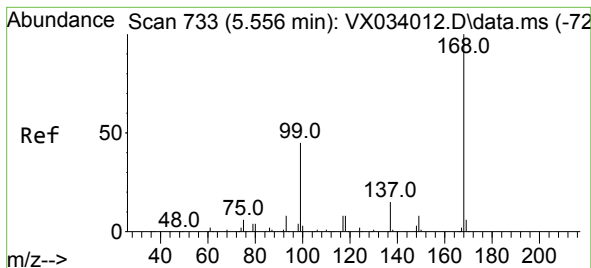
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 20 00:37:13 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX034168.D

Acq: 17 Feb 2023 19:23

Instrument :

MSVOA_X

ClientSampleId :

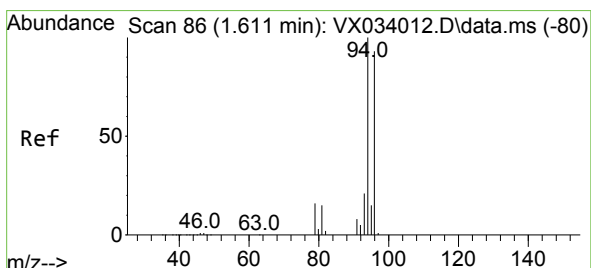
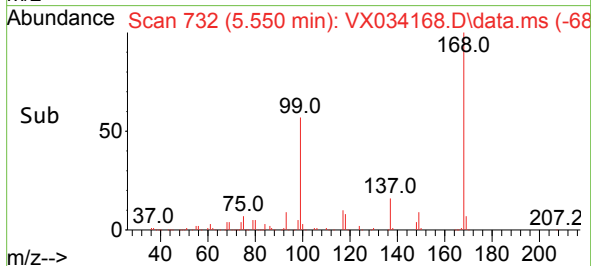
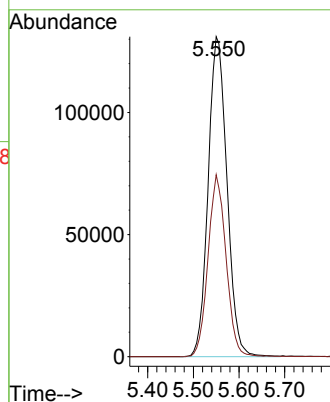
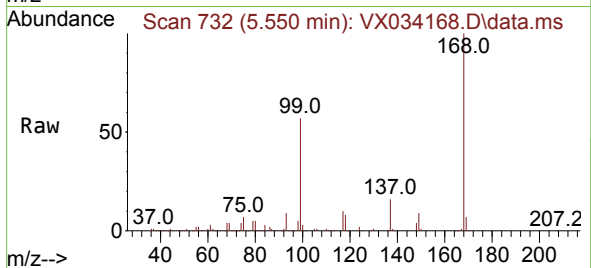
MH-A

Tgt Ion:168 Resp: 374695

Ion Ratio Lower Upper

168 100

99 56.9 39.6 59.4



#5

Bromomethane

Concen: Below Cal

RT: 1.593 min Scan# 83

Delta R.T. -0.006 min

Lab File: VX034168.D

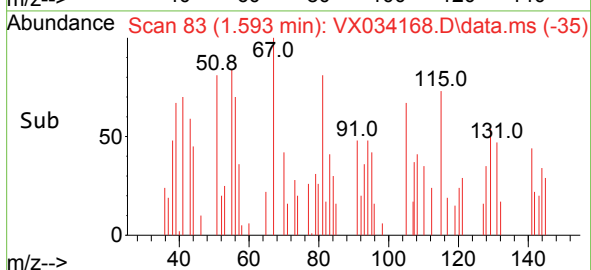
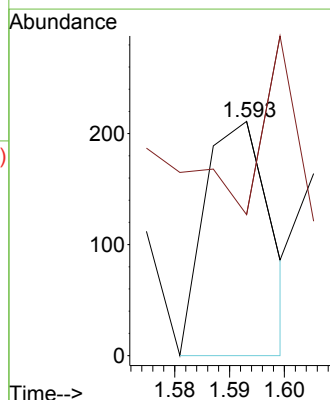
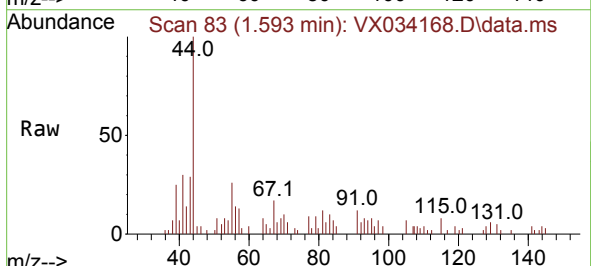
Acq: 17 Feb 2023 19:23

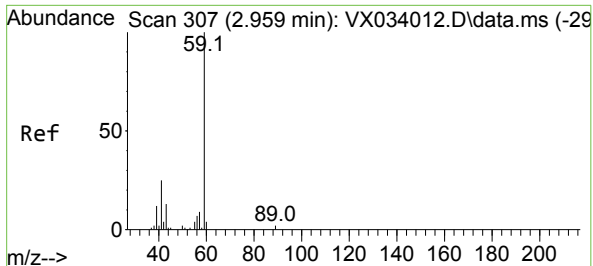
Tgt Ion: 94 Resp: 178

Ion Ratio Lower Upper

94 100

96 0.0 74.3 111.5#





#11

Tert butyl alcohol

Concen: 2.429 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX034168.D

Acq: 17 Feb 2023 19:23

Instrument :

MSVOA_X

ClientSampleId :

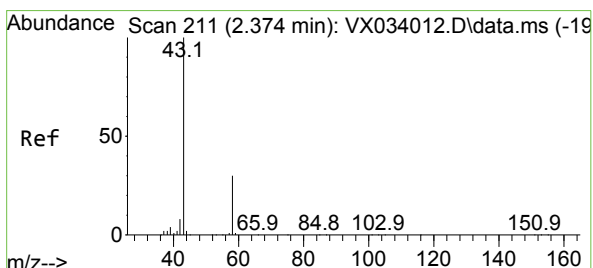
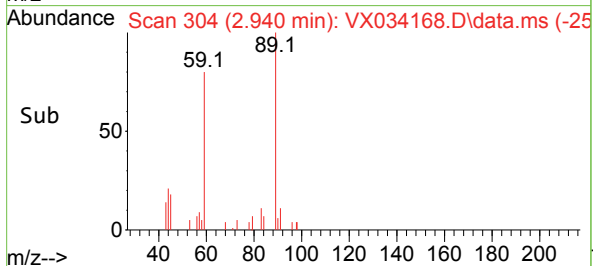
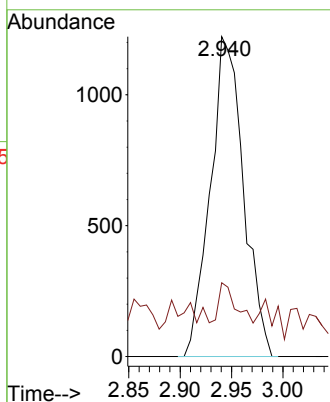
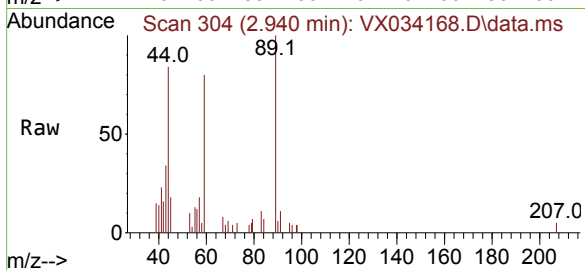
MH-A

Tgt Ion: 59 Resp: 2742

Ion Ratio Lower Upper

59 100

57 6.9 3.7 5.5#



#16

Acetone

Concen: 16.912 ug/l

RT: 2.373 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX034168.D

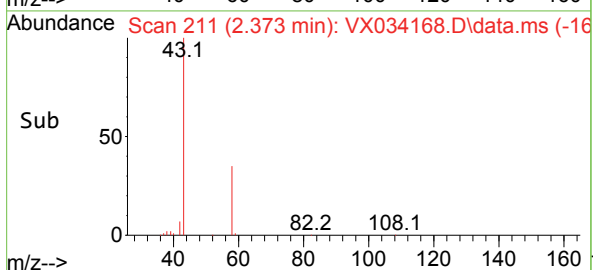
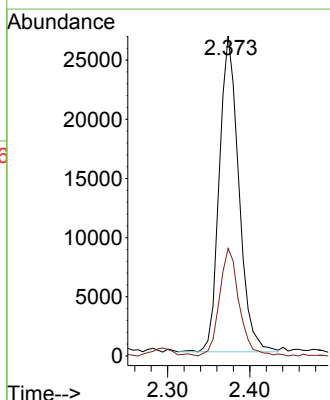
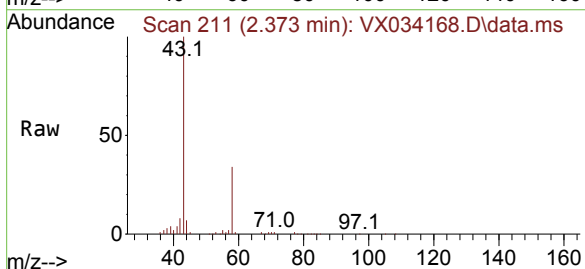
Acq: 17 Feb 2023 19:23

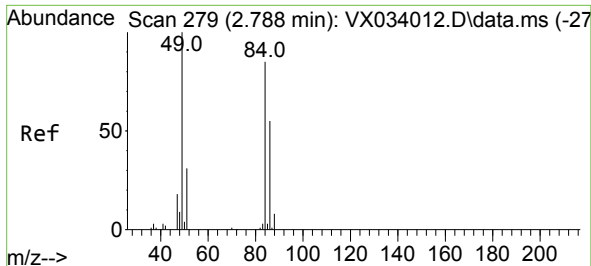
Tgt Ion: 43 Resp: 44024

Ion Ratio Lower Upper

43 100

58 33.7 22.6 33.8

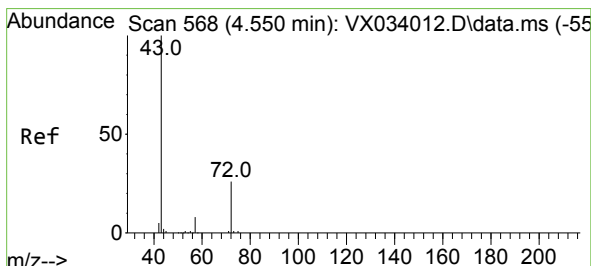
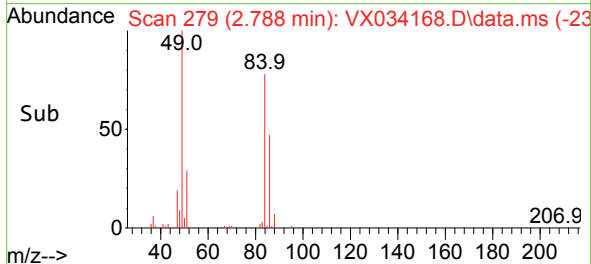
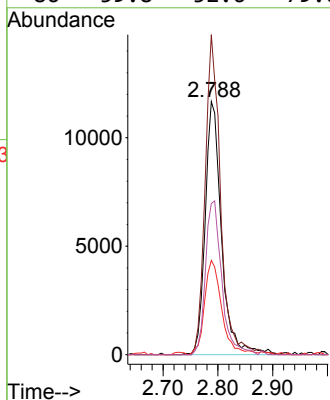
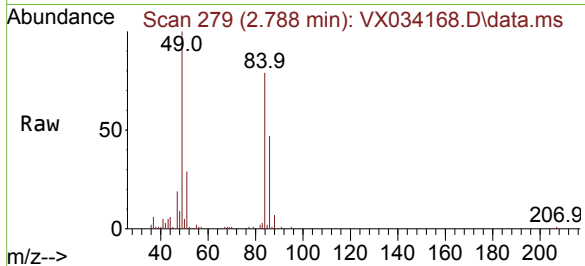




#20
Methylene Chloride
Concen: 5.126 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

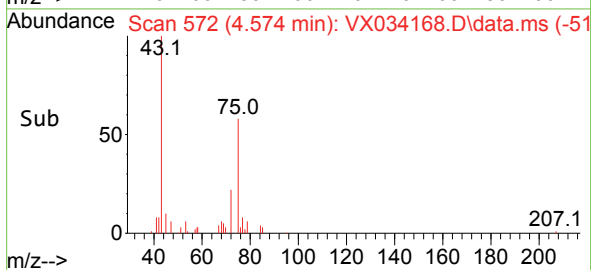
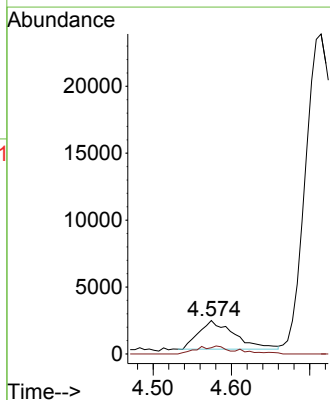
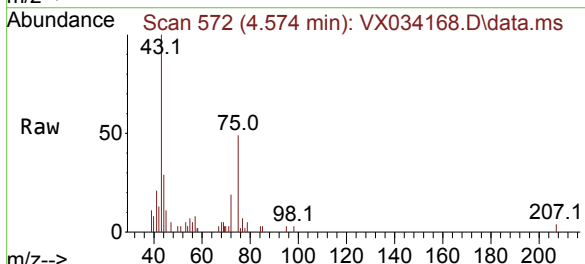
Instrument :
MSVOA_X
ClientSampleId :
MH-A

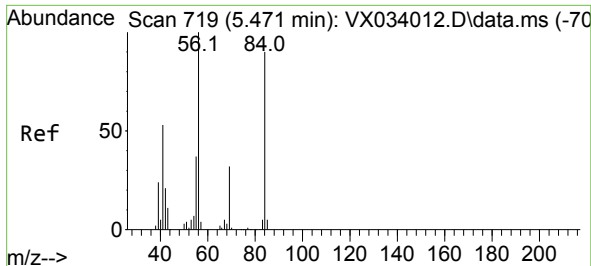
Tgt Ion:	84	Resp:	24041
Ion	Ratio	Lower	Upper
84	100		
49	126.4	101.1	151.7
51	36.7	31.0	46.6
86	59.8	52.6	79.0



#25
2-Butanone
Concen: 1.828 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.031 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

Tgt Ion:	43	Resp:	6885
Ion	Ratio	Lower	Upper
43	100		
72	21.7	19.4	29.2

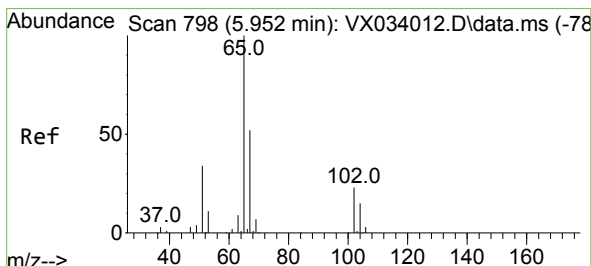
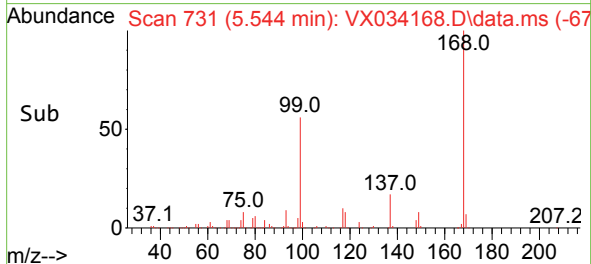
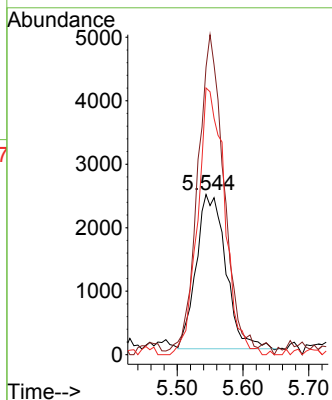
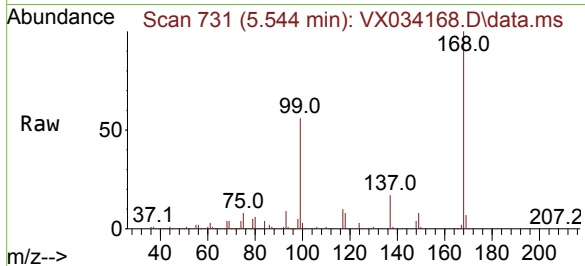




#31
Cyclohexane
Concen: 1.013 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

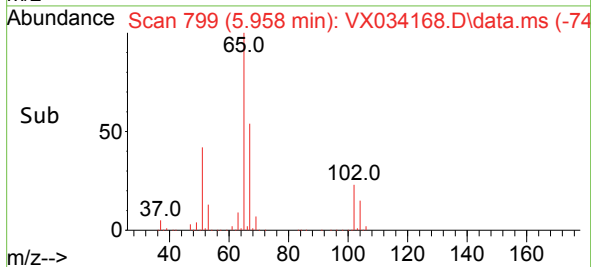
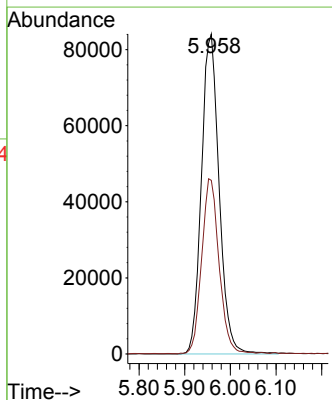
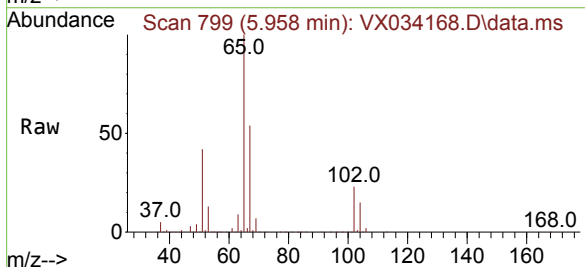
Instrument :
MSVOA_X
ClientSampleId :
MH-A

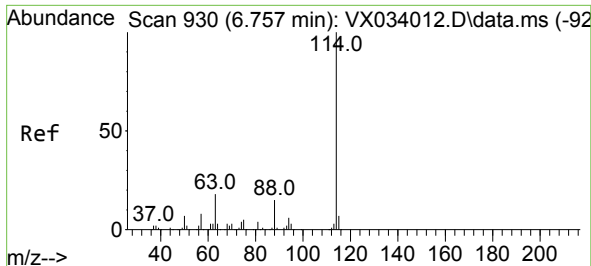
Tgt Ion: 56 Resp: 7634
Ion Ratio Lower Upper
56 100
69 181.8 24.6 37.0#
84 173.0 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 44.745 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

Tgt Ion: 65 Resp: 225793
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8

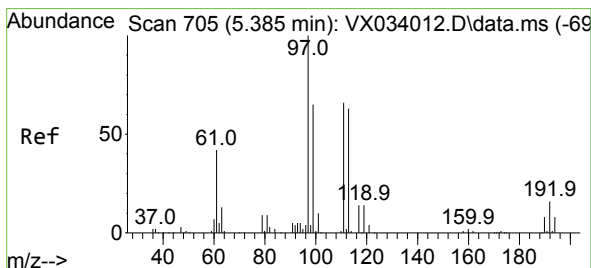
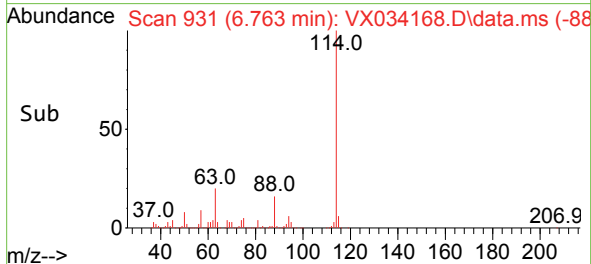
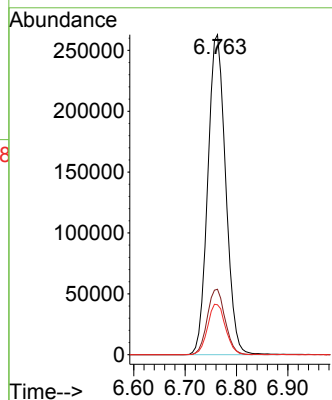
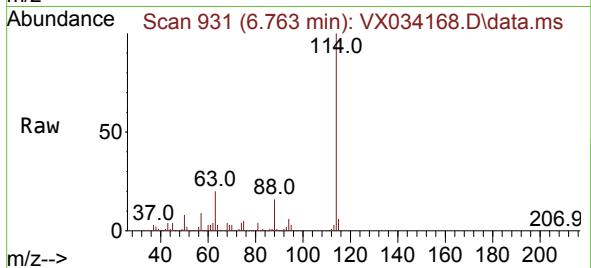




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

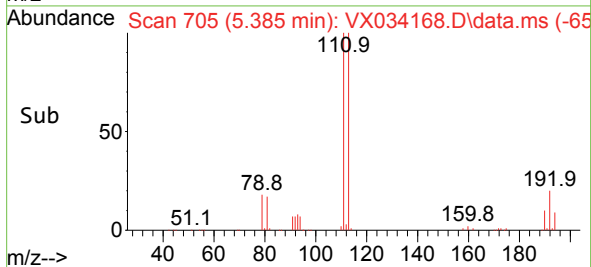
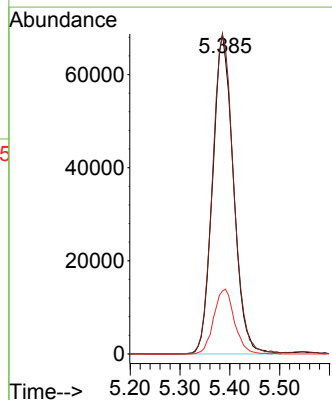
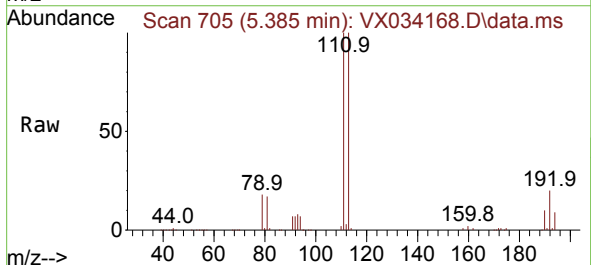
Instrument :
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ClientSampleId :
MH-A

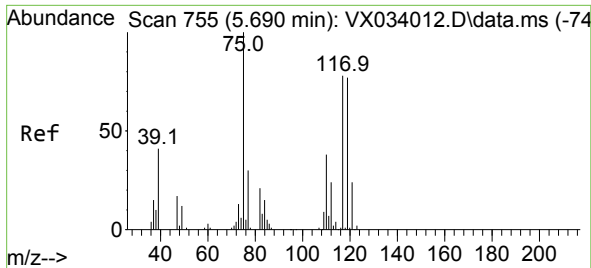
Tgt Ion:114 Resp: 632702
Ion Ratio Lower Upper
114 100
63 20.4 0.0 37.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.231 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

Tgt Ion:113 Resp: 198686
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.6
192 20.1 19.0 28.4

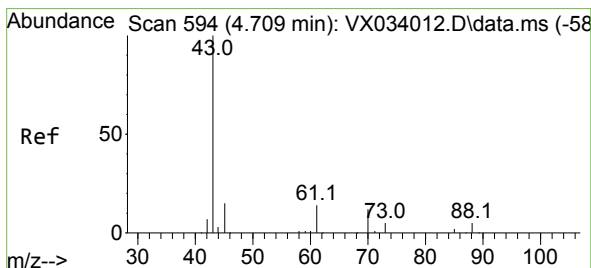
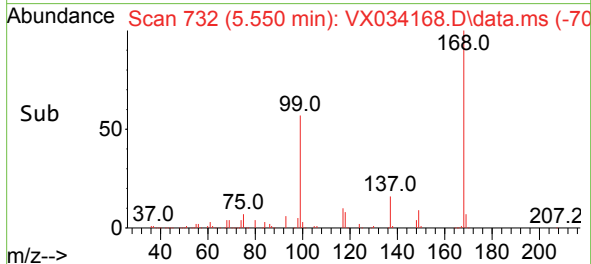
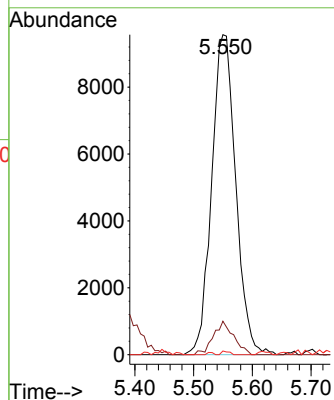
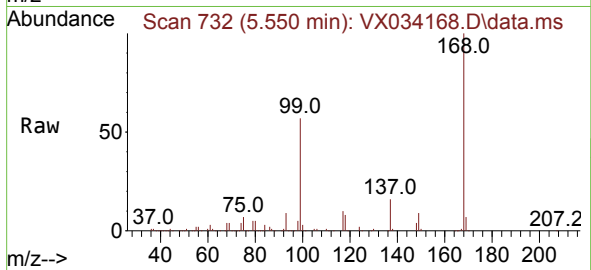




#36
1,1-Dichloropropene
Concen: 4.471 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

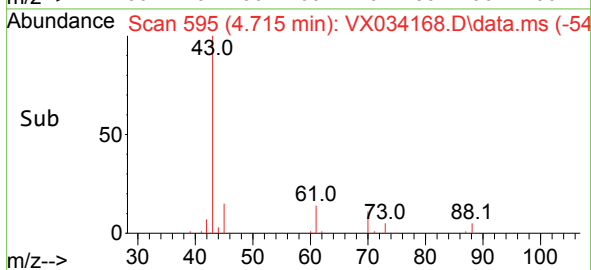
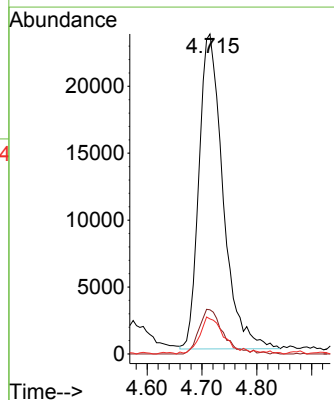
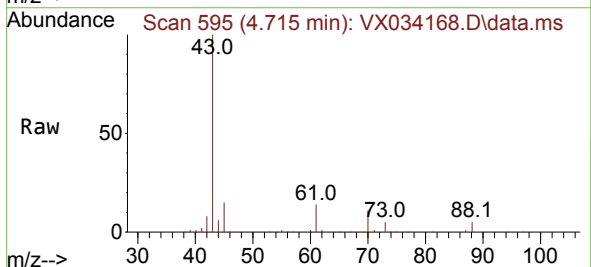
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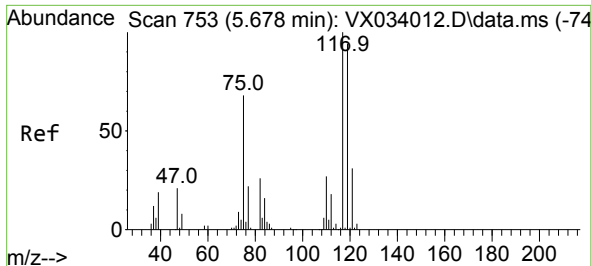
Tgt Ion: 75 Resp: 27242
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.4#
77 0.4 25.1 37.7#



#37
Ethyl Acetate
Concen: 10.524 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.006 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

Tgt Ion: 43 Resp: 71658
Ion Ratio Lower Upper
43 100
61 14.3 11.1 16.7
70 12.1 8.5 12.7

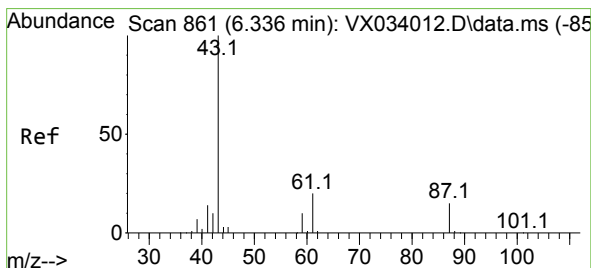
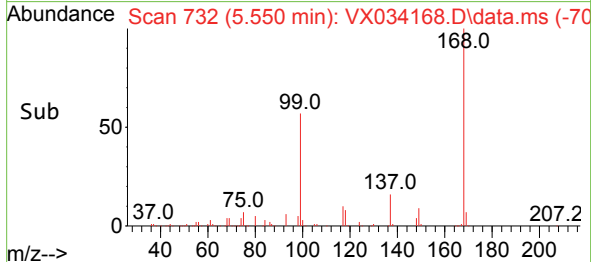
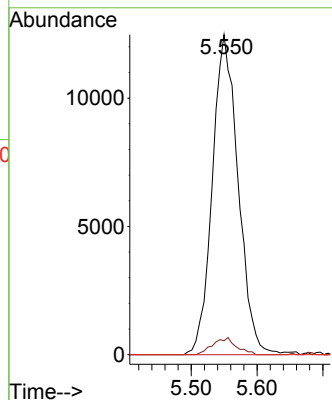
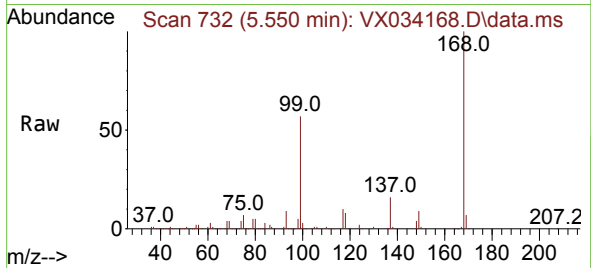




#38
Carbon Tetrachloride
Concen: 5.432 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

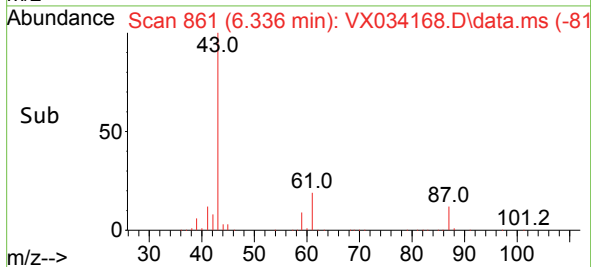
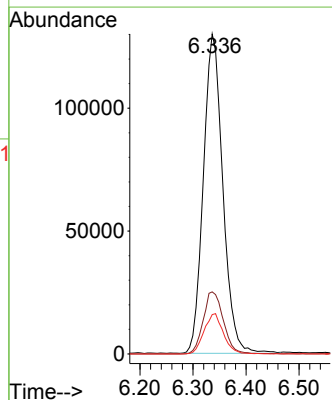
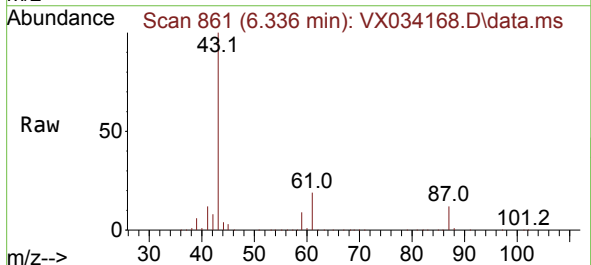
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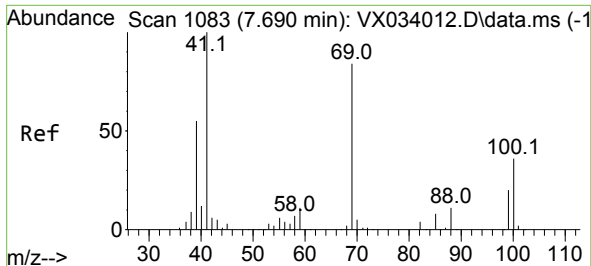
Tgt Ion:117 Resp: 34056
Ion Ratio Lower Upper
117 100
119 4.3 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 27.577 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

Tgt Ion: 43 Resp: 331342
Ion Ratio Lower Upper
43 100
61 20.1 15.7 23.5
87 12.5 10.6 15.8

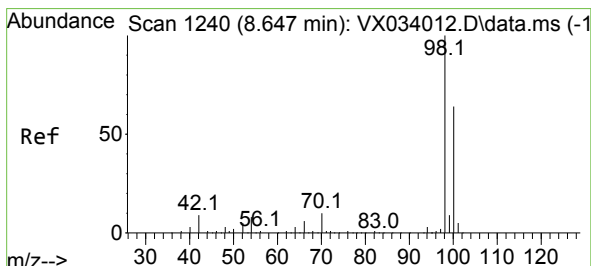
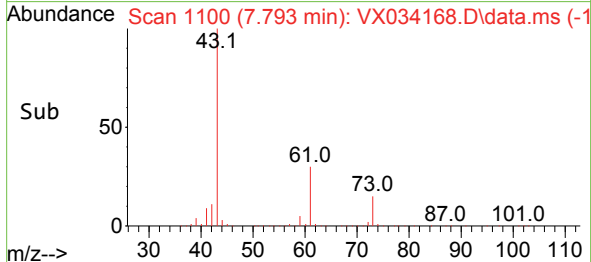
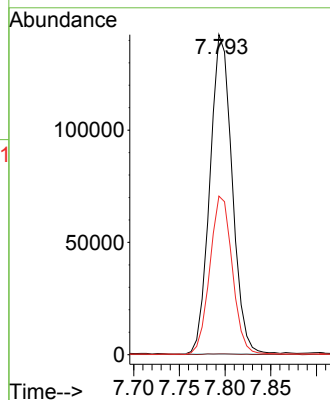
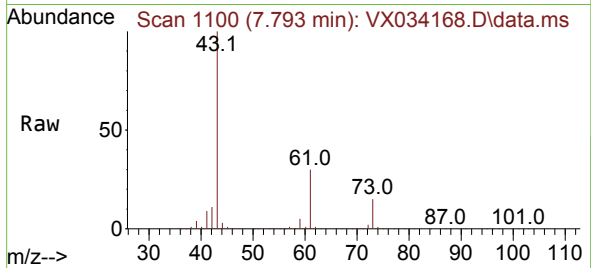




#48
Methyl methacrylate
Concen: 42.202 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

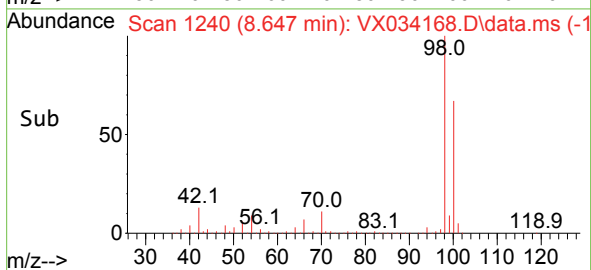
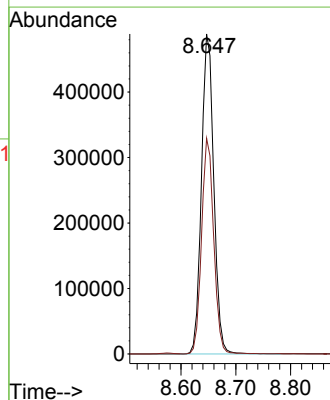
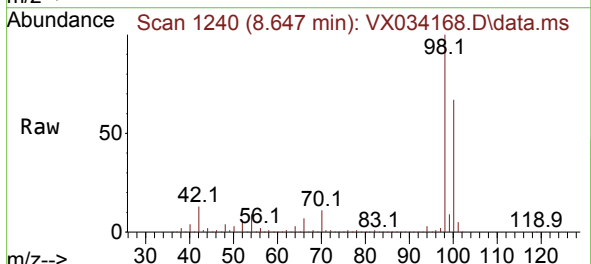
Instrument :
MSVOA_X
ClientSampleId :
MH-A

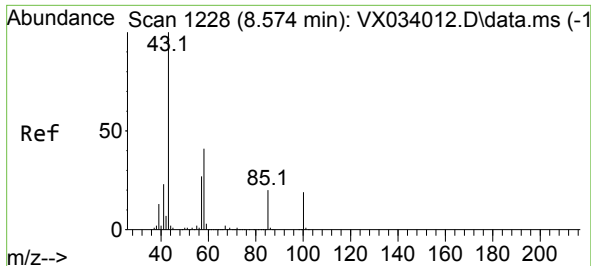
Tgt Ion: 41 Resp: 240669
Ion Ratio Lower Upper
41 100
69 0.3 63.1 94.7#
39 49.9 43.2 64.8



#50
Toluene-d8
Concen: 51.560 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

Tgt Ion: 98 Resp: 762593
Ion Ratio Lower Upper
98 100
100 66.4 53.6 80.4

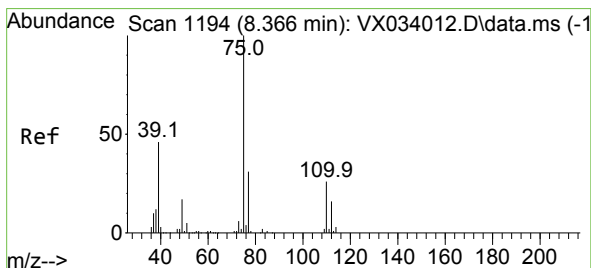
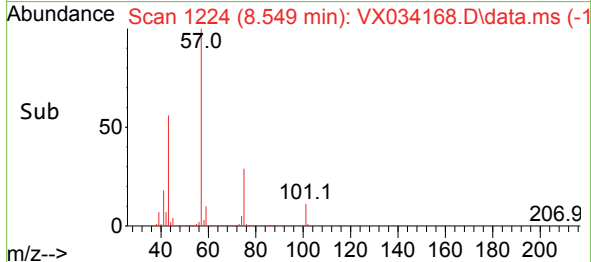
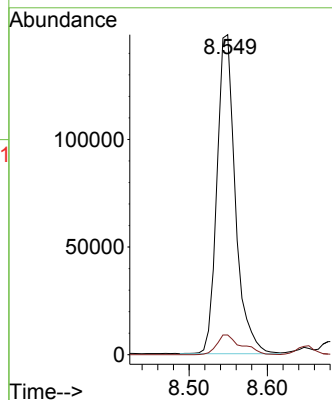
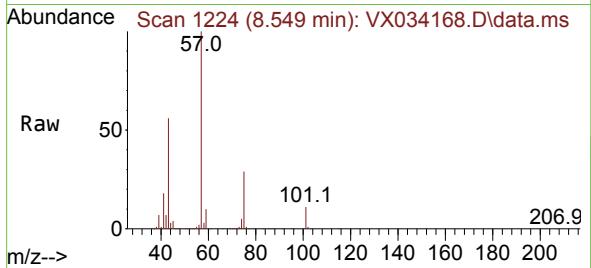




#51
4-Methyl-2-Pentanone
Concen: 36.634 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

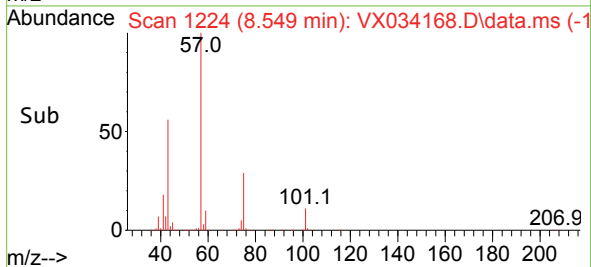
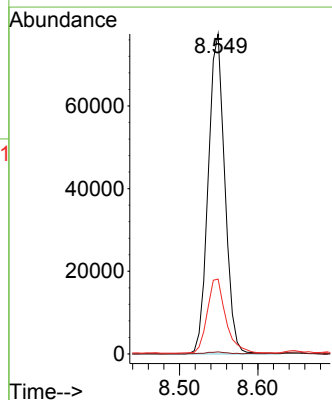
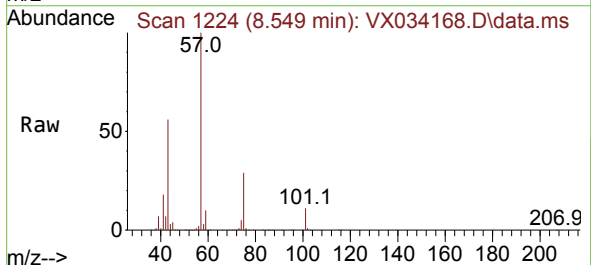
Instrument :
MSVOA_X
ClientSampleId :
MH-A

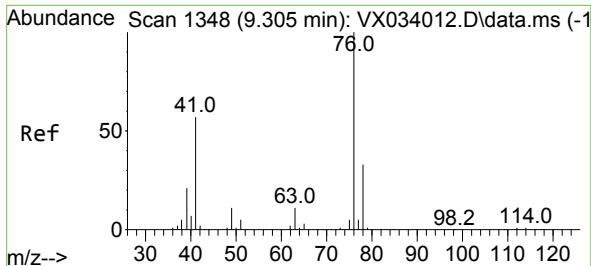
Tgt Ion: 43 Resp: 242172
Ion Ratio Lower Upper
43 100
58 8.3 31.2 46.8#



#54
cis-1,3-Dichloropropene
Concen: 14.220 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

Tgt Ion: 75 Resp: 113746
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.6#
39 23.1 38.6 58.0#





#57

1,3-Dichloropropane

Concen: 1.712 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034168.D

Acq: 17 Feb 2023 19:23

Instrument :

MSVOA_X

ClientSampleId :

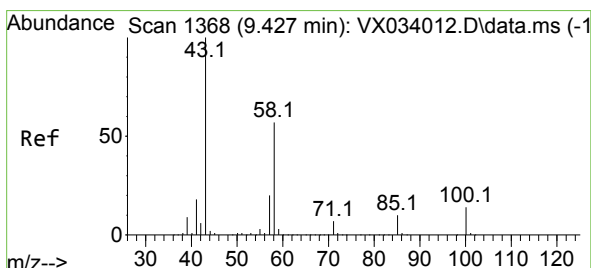
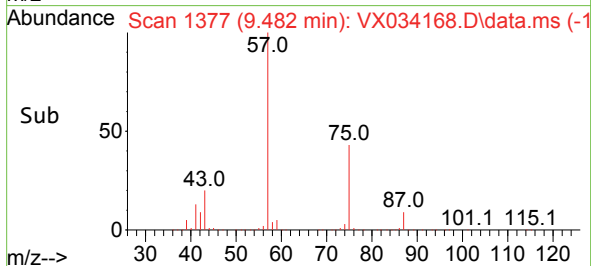
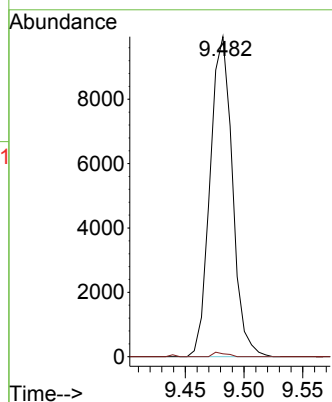
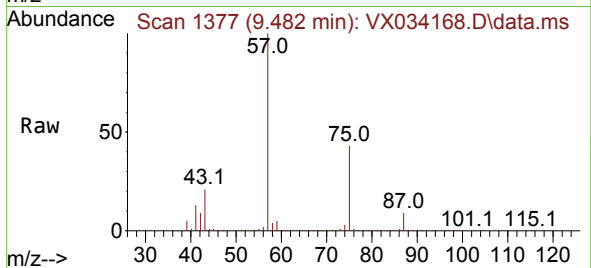
MH-A

Tgt Ion: 76 Resp: 13151

Ion Ratio Lower Upper

76 100

78 0.8 25.6 38.4#



#59

2-Hexanone

Concen: 36.235 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034168.D

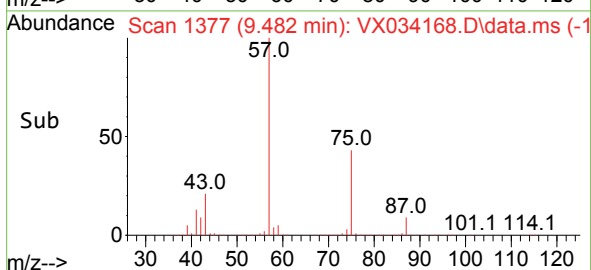
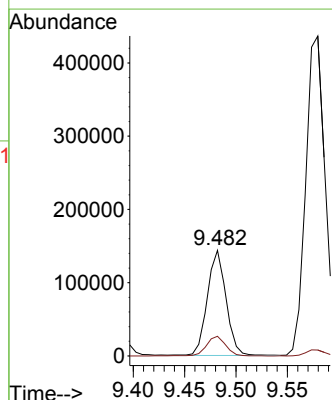
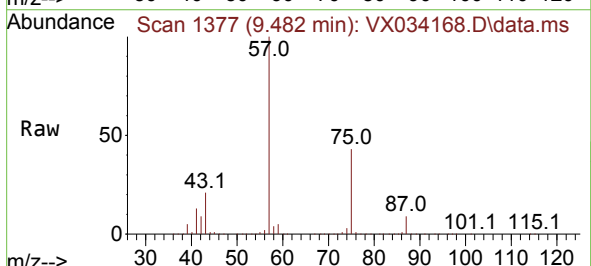
Acq: 17 Feb 2023 19:23

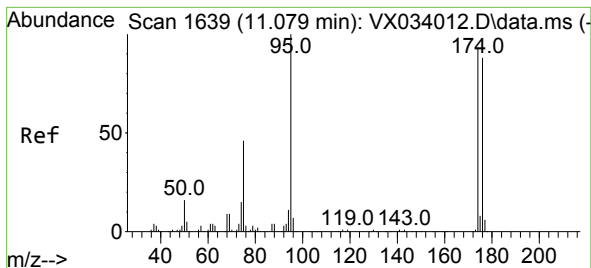
Tgt Ion: 43 Resp: 182551

Ion Ratio Lower Upper

43 100

58 19.4 27.4 82.0#

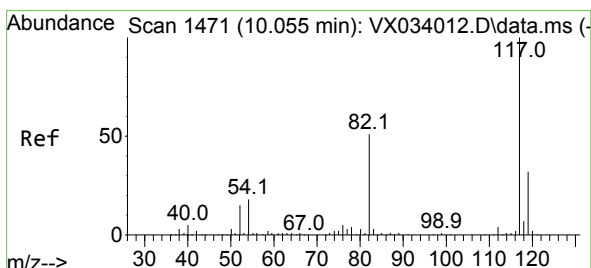
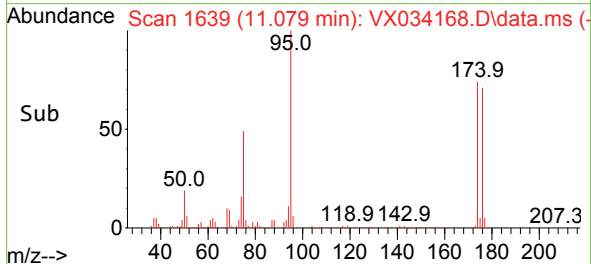
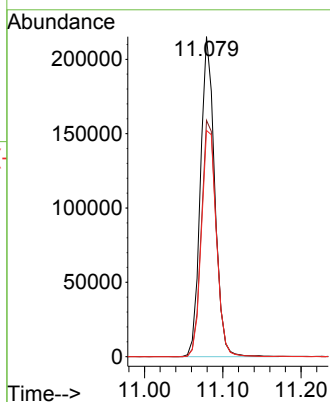
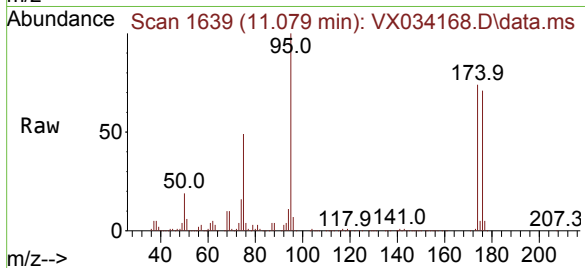




#62
4-Bromofluorobenzene
Concen: 48.076 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

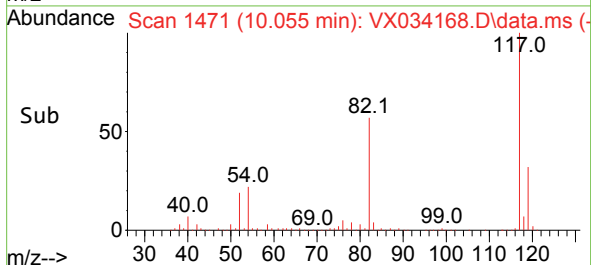
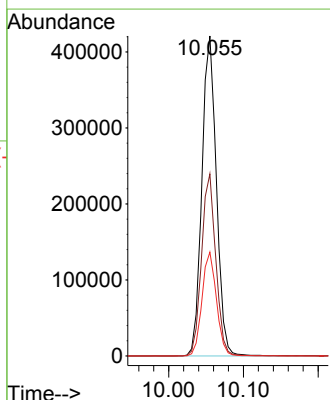
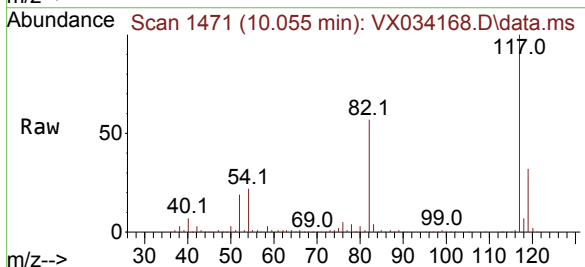
Instrument :
MSVOA_X
ClientSampleId :
MH-A

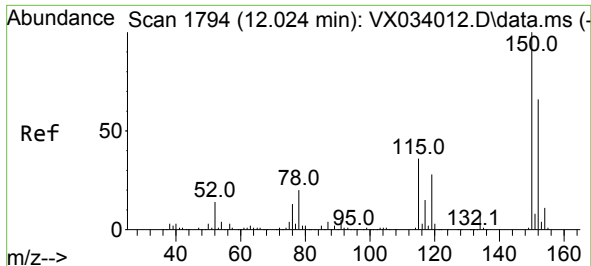
Tgt Ion: 95 Resp: 271985
Ion Ratio Lower Upper
95 100
174 77.3 0.0 184.4
176 74.7 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

Tgt Ion: 117 Resp: 566633
Ion Ratio Lower Upper
117 100
82 56.9 40.6 60.8
119 32.5 25.6 38.4

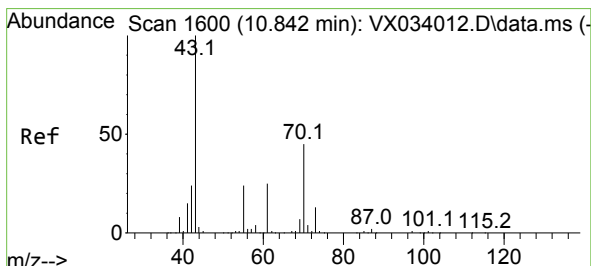
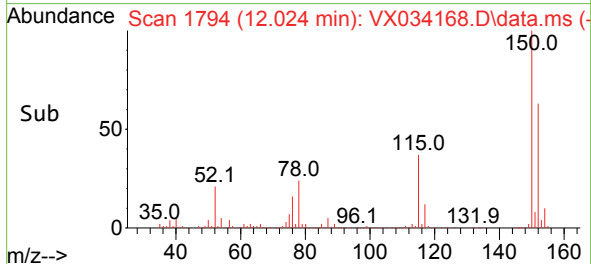
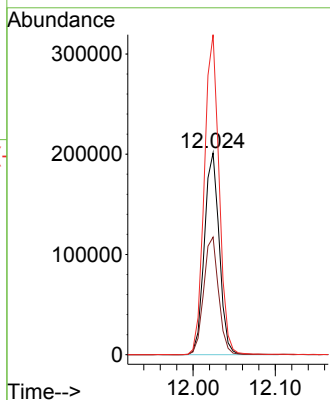
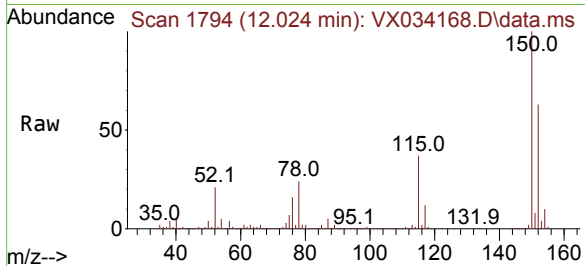




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX034168.D
 Acq: 17 Feb 2023 19:23

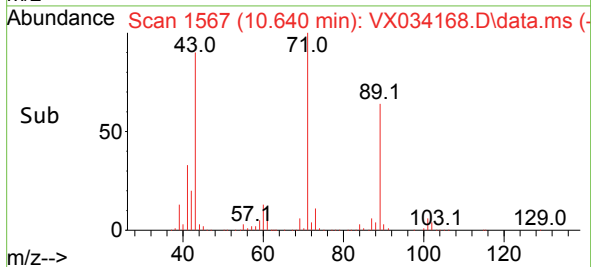
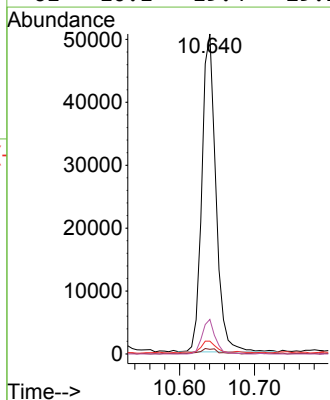
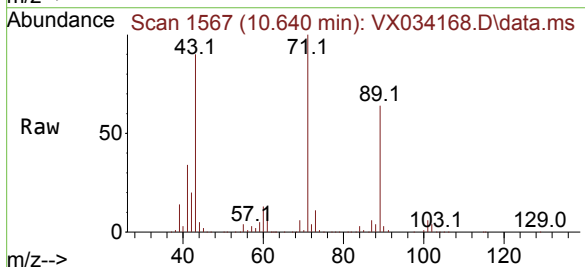
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-A

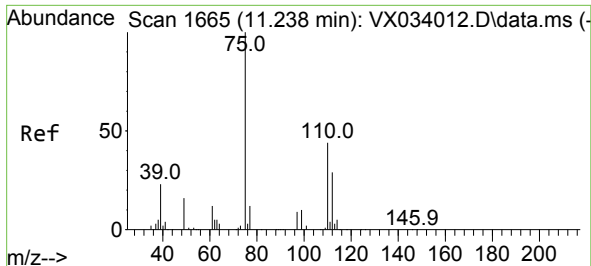
Tgt Ion:152 Resp: 253434
 Ion Ratio Lower Upper
 152 100
 115 58.4 38.7 116.1
 150 157.4 0.0 348.2



#74
 N-ethyl acetate
 Concen: 6.787 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX034168.D
 Acq: 17 Feb 2023 19:23

Tgt Ion: 43 Resp: 65856
 Ion Ratio Lower Upper
 43 100
 70 2.3 34.8 52.2#
 55 4.2 19.4 29.0#
 61 10.1 19.4 29.2#

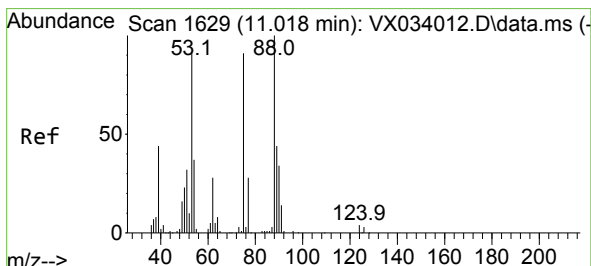
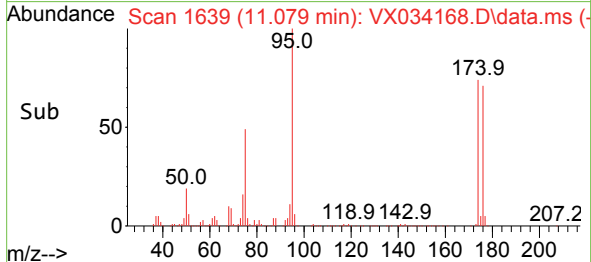
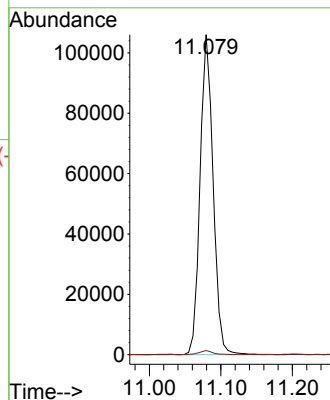
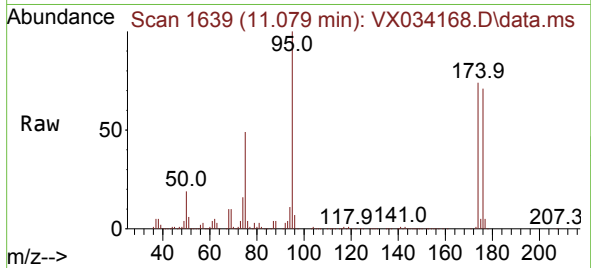




#76
1,2,3-Trichloropropane
Concen: 21.003 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

Instrument :
MSVOA_X
ClientSampleId :
MH-A

Tgt Ion: 75 Resp: 133936
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.954 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034168.D
Acq: 17 Feb 2023 19:23

Tgt Ion: 75 Resp: 133936
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

