

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033023\
 Data File : VX034859.D
 Acq On : 30 Mar 2023 17:47
 Operator : JC/MD
 Sample : 02096-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Mar 31 01:35:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 30 11:02:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	236231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	408297	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160774	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	169283	46.856	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.720%
35) Dibromofluoromethane	5.385	113	127208	47.104	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.200%
50) Toluene-d8	8.647	98	488665	49.024	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.040%
62) 4-Bromofluorobenzene	11.079	95	171617	44.491	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.980%

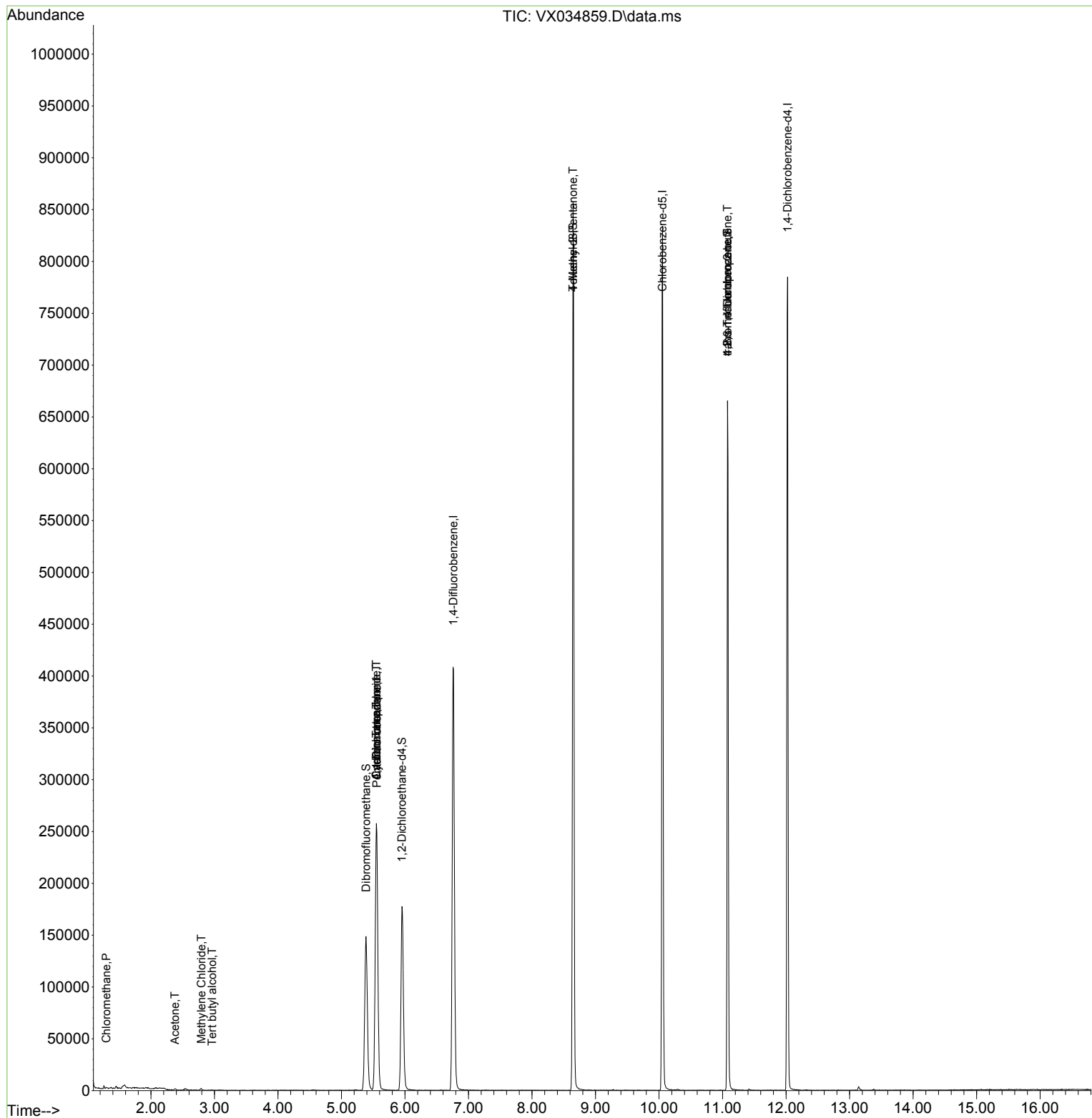
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	701	0.238	ug/l #	80
11) Tert butyl alcohol	2.965	59	161	0.255	ug/l #	73
16) Acetone	2.380	43	1367	0.935	ug/l #	82
20) Methylene Chloride	2.794	84	761	0.260	ug/l #	88
31) Cyclohexane	5.550	56	5936	1.349	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20652	5.179	ug/l #	49
38) Carbon Tetrachloride	5.550	117	25090	6.624	ug/l #	14
51) 4-Methyl-2-Pentanone	8.647	43	2810	0.683	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	93794	28.490	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	93794	76.386	ug/l #	8

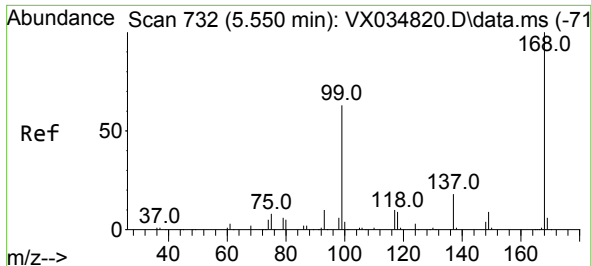
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

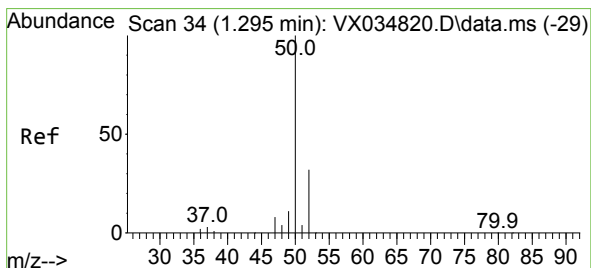
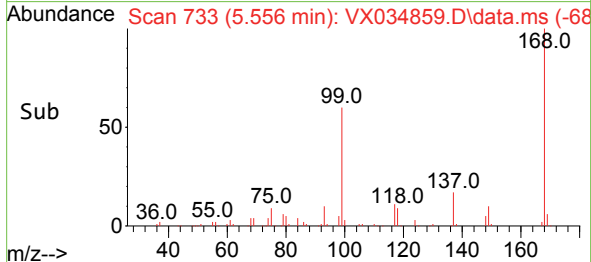
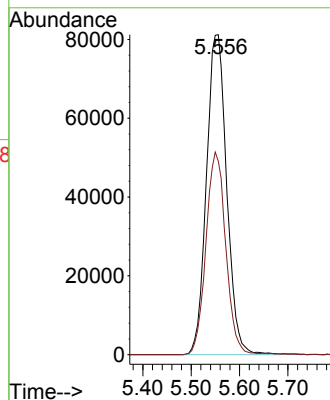
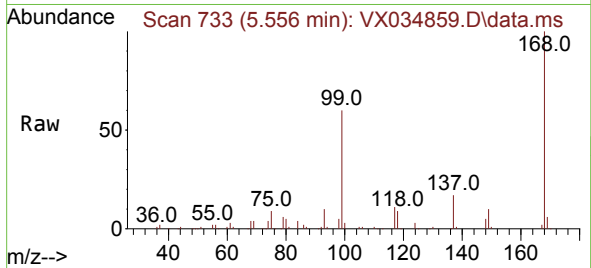




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

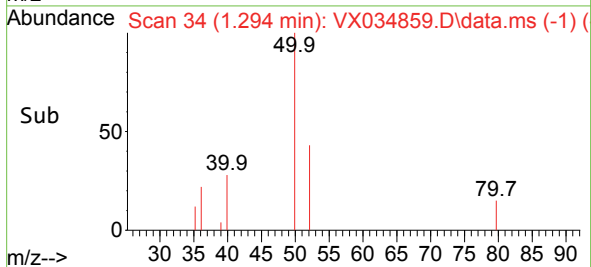
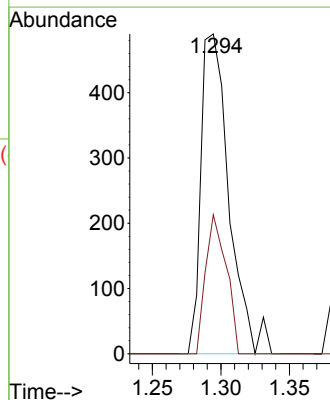
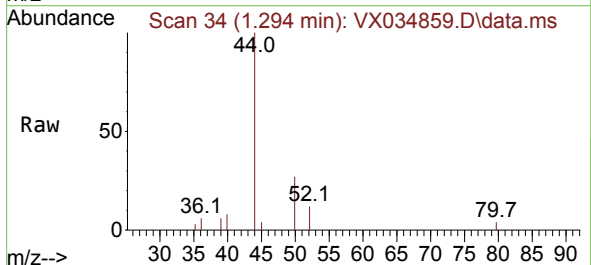
Instrument :
MSVOA_X
ClientSampleId :
MW-4

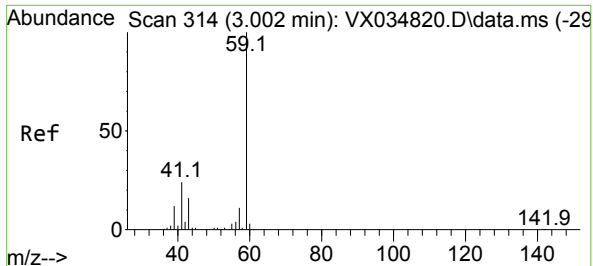
Tgt Ion:168 Resp: 236231
Ion Ratio Lower Upper
168 100
99 60.5 45.7 68.5



#3
Chloromethane
Concen: 0.238 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

Tgt Ion: 50 Resp: 701
Ion Ratio Lower Upper
50 100
52 43.5 25.9 38.9#





#11

Tert butyl alcohol

Concen: 0.255 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.037 min

Lab File: VX034859.D

Acq: 30 Mar 2023 17:47

Instrument :

MSVOA_X

ClientSampleId :

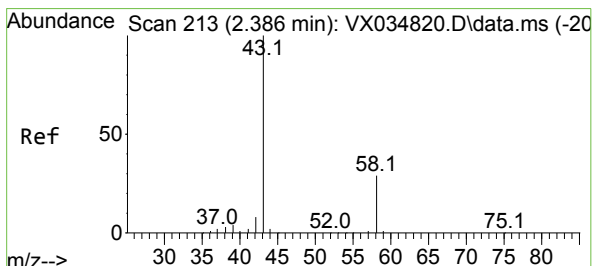
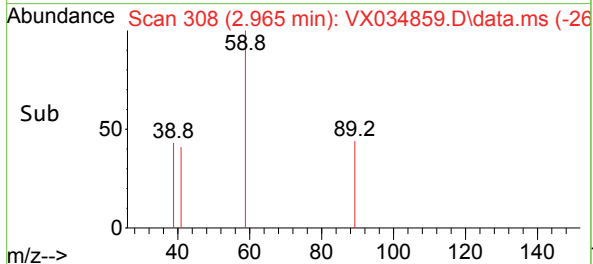
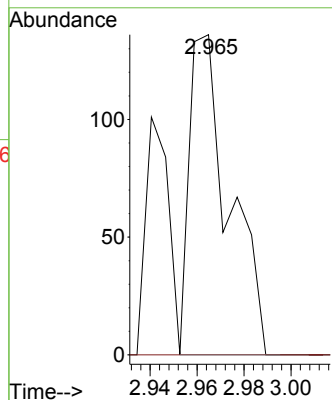
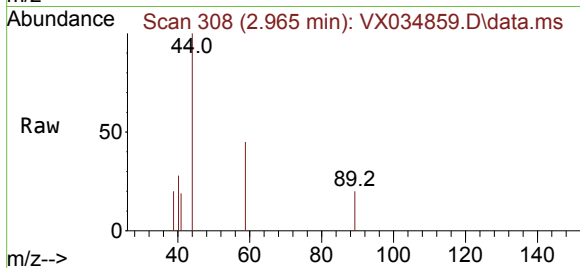
MW-4

Tgt Ion: 59 Resp: 161

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 0.935 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX034859.D

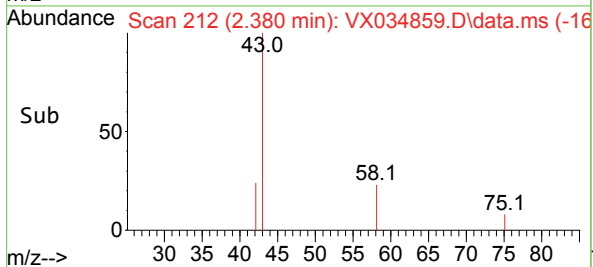
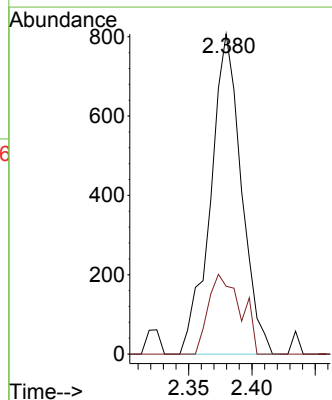
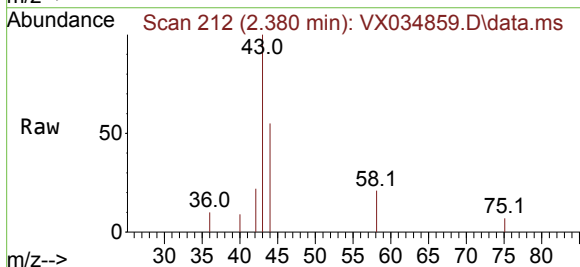
Acq: 30 Mar 2023 17:47

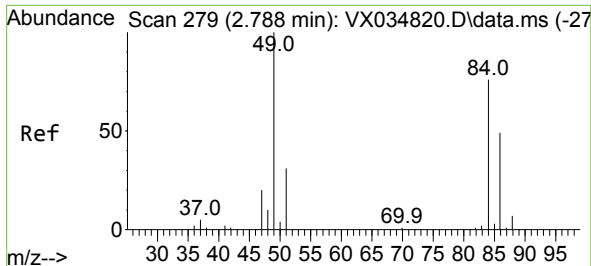
Tgt Ion: 43 Resp: 1367

Ion Ratio Lower Upper

43 100

58 21.2 24.7 37.1#

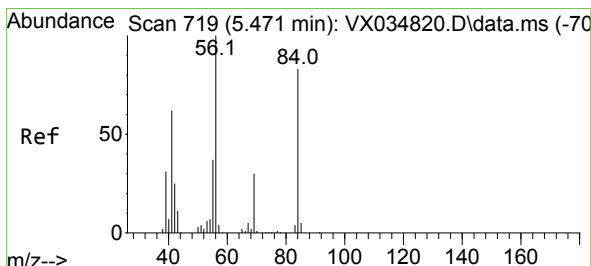
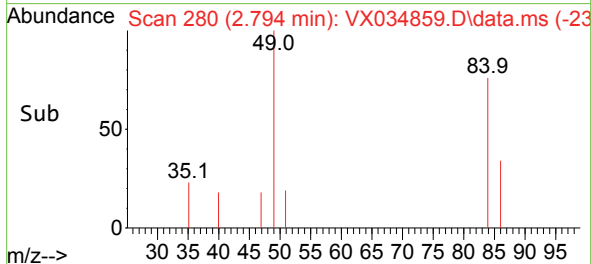
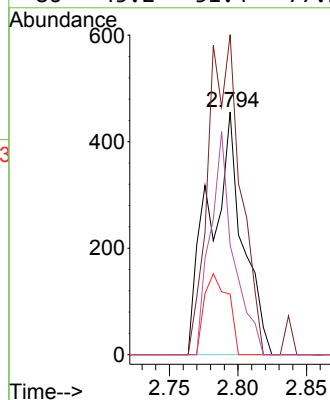
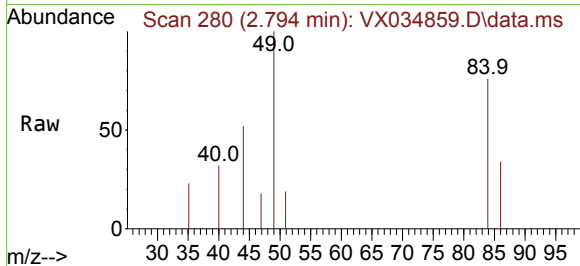




#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

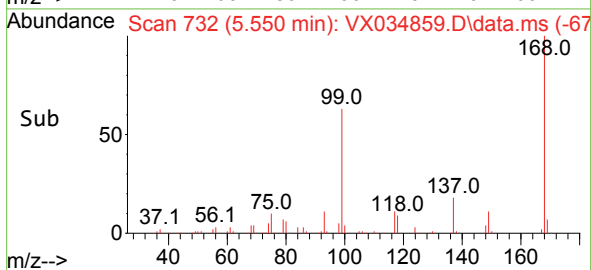
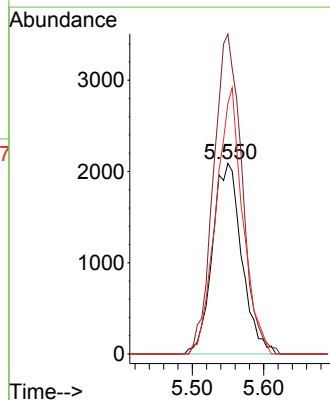
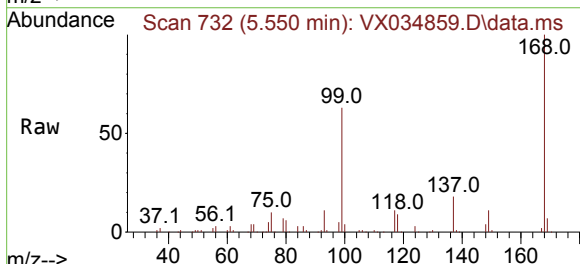
Instrument :
MSVOA_X
ClientSampleId :
MW-4

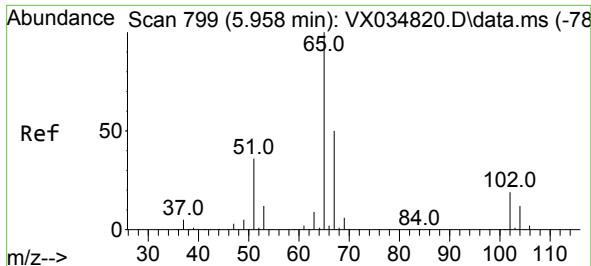
Tgt Ion:	84	Resp:	761
Ion	Ratio	Lower	Upper
84	100		
49	131.8	103.8	155.8
51	25.0	31.8	47.8#
86	45.2	51.4	77.2#



#31
Cyclohexane
Concen: 1.349 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

Tgt Ion:	56	Resp:	5936
Ion	Ratio	Lower	Upper
56	100		
69	168.0	23.7	35.5#
84	131.5	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 46.856 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX034859.D

Acq: 30 Mar 2023 17:47

Instrument :

MSVOA_X

ClientSampleId :

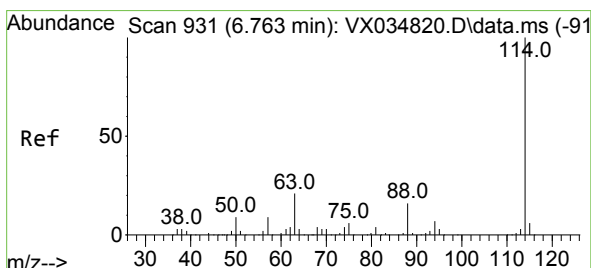
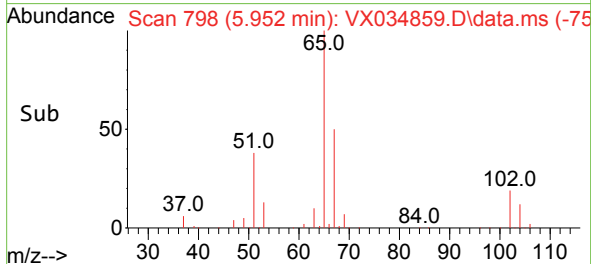
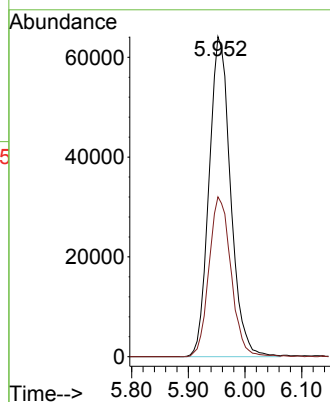
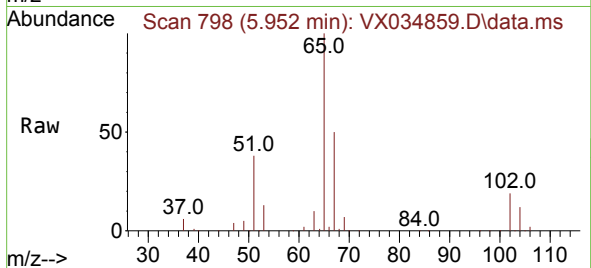
MW-4

Tgt Ion: 65 Resp: 169283

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX034859.D

Acq: 30 Mar 2023 17:47

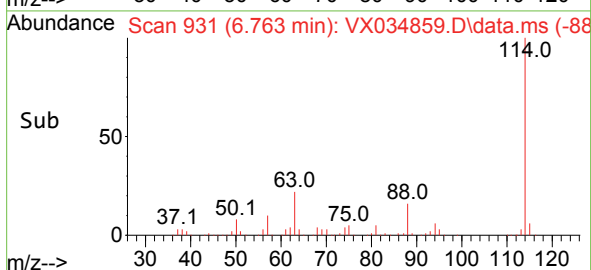
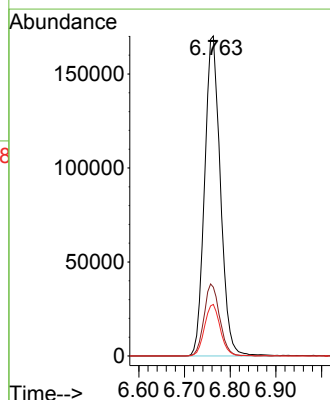
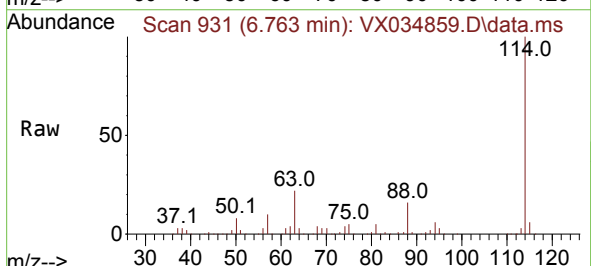
Tgt Ion: 114 Resp: 408297

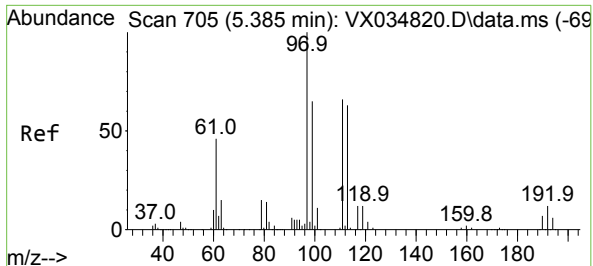
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.2

88 16.1 0.0 33.2

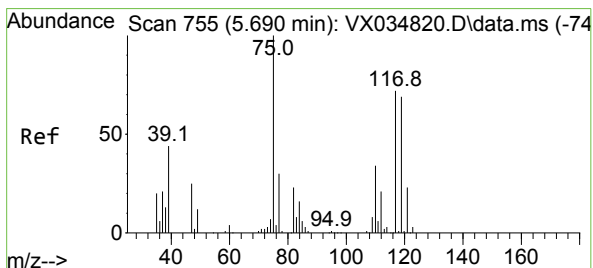
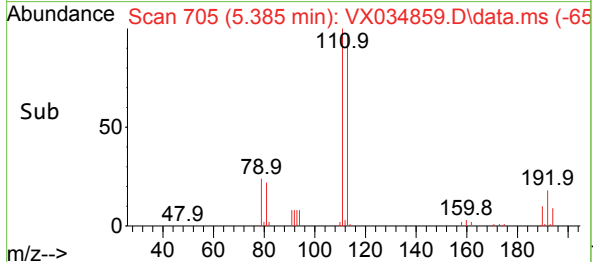
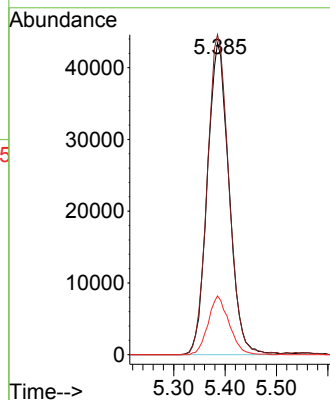
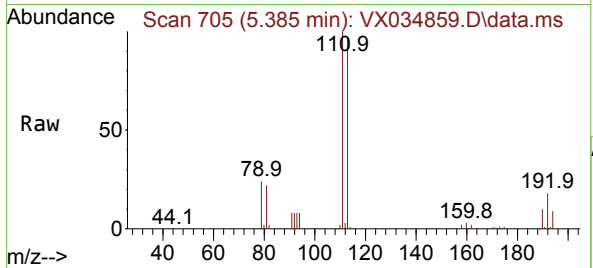




#35
Dibromofluoromethane
Concen: 47.104 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

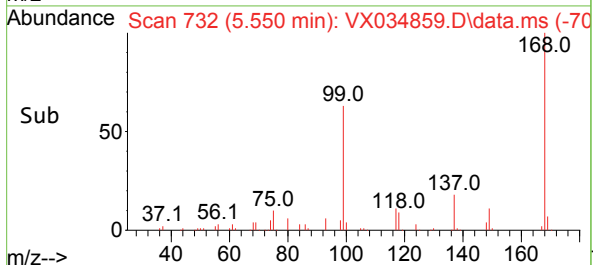
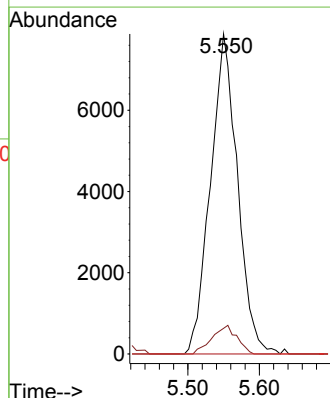
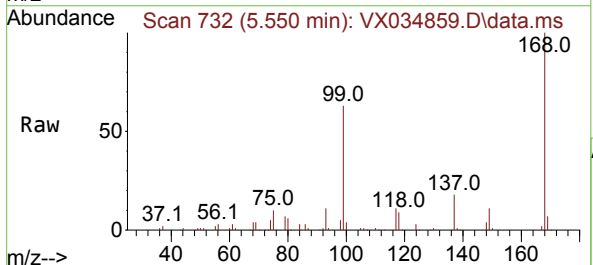
Instrument :
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ClientSampleId :
MW-4

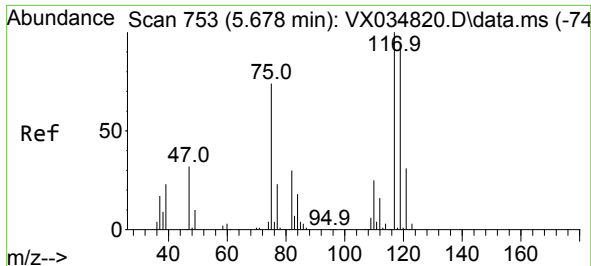
Tgt Ion:113 Resp: 127208
Ion Ratio Lower Upper
113 100
111 102.3 83.7 125.5
192 18.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.179 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

Tgt Ion: 75 Resp: 20652
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.5#
77 0.0 24.3 36.5#

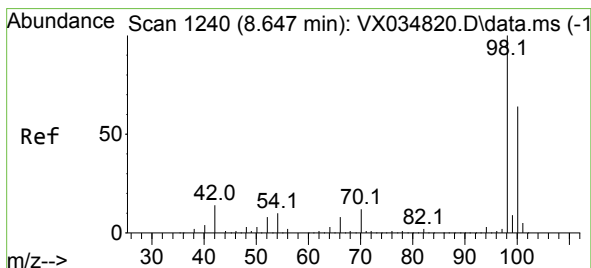
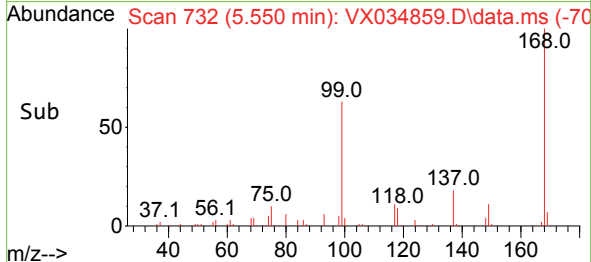
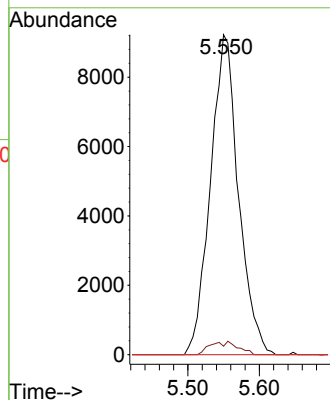
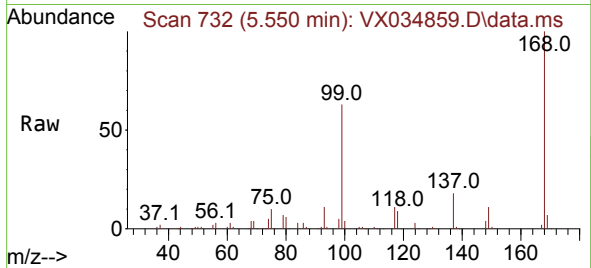




#38
Carbon Tetrachloride
Concen: 6.624 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

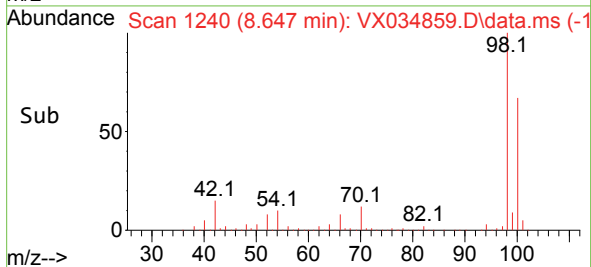
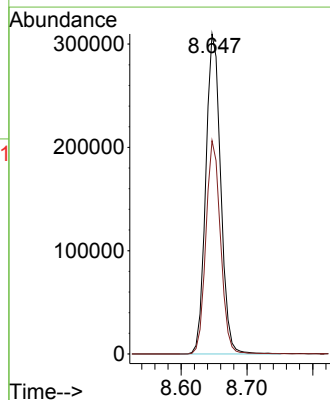
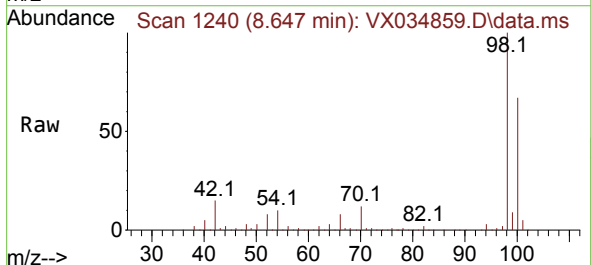
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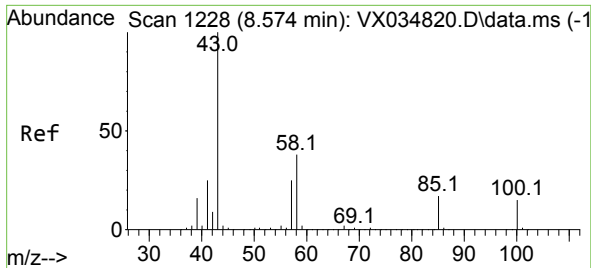
Tgt Ion:117 Resp: 25090
Ion Ratio Lower Upper
117 100
119 2.7 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 49.024 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

Tgt Ion: 98 Resp: 488665
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

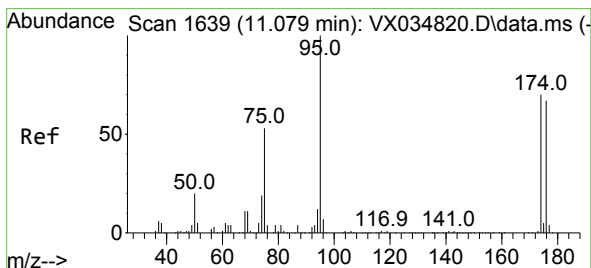
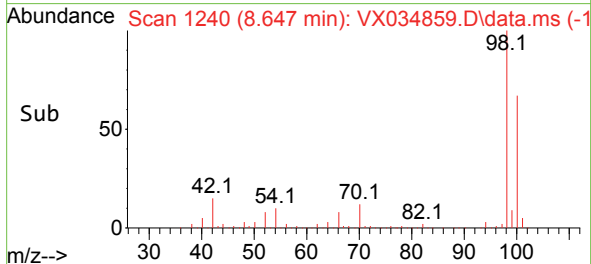
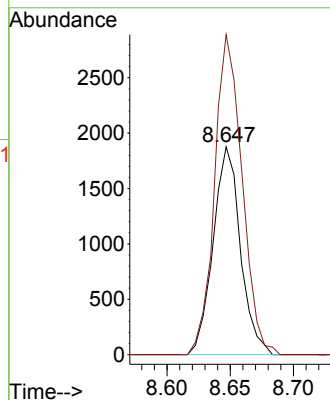
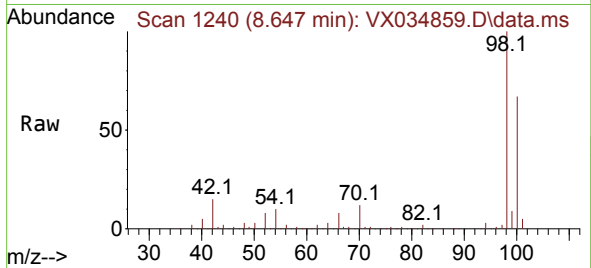




#51
4-Methyl-2-Pentanone
Concen: 0.683 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

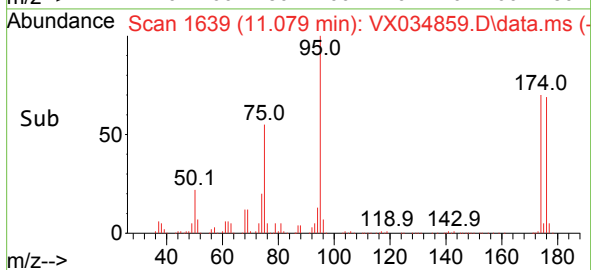
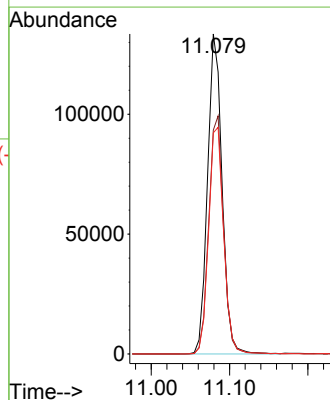
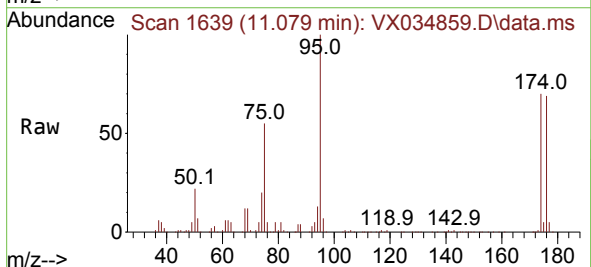
Instrument :
MSVOA_X
ClientSampleId :
MW-4

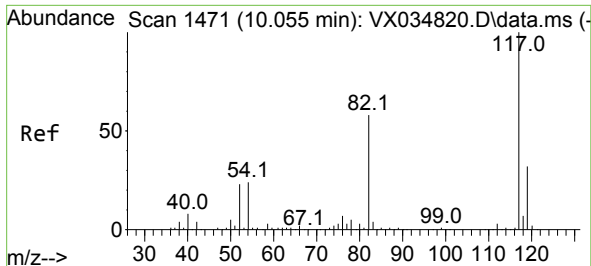
Tgt Ion: 43 Resp: 2810
Ion Ratio Lower Upper
43 100
58 155.3 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 44.491 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

Tgt Ion: 95 Resp: 171617
Ion Ratio Lower Upper
95 100
174 75.6 0.0 147.4
176 73.4 0.0 140.6

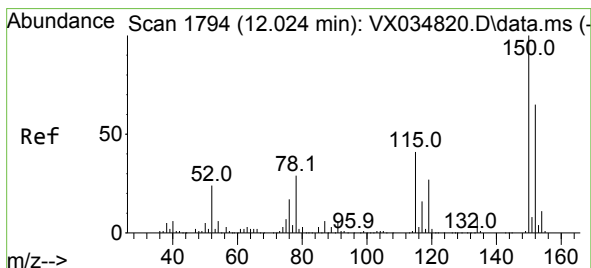
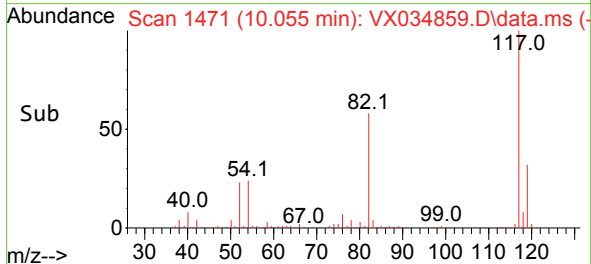
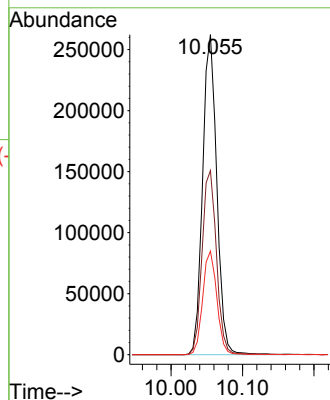
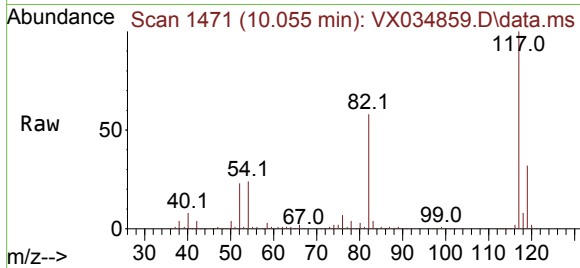




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

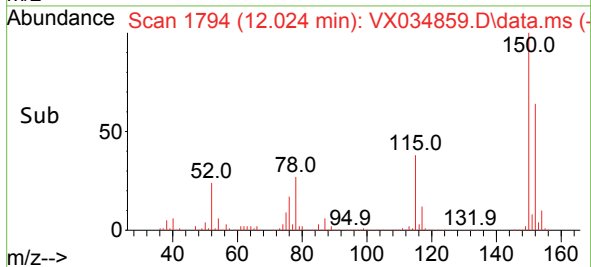
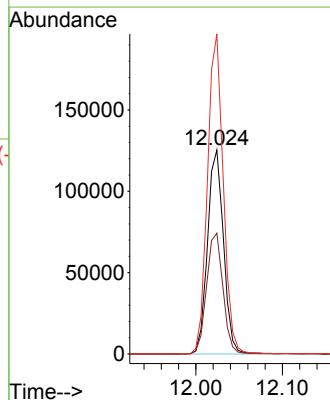
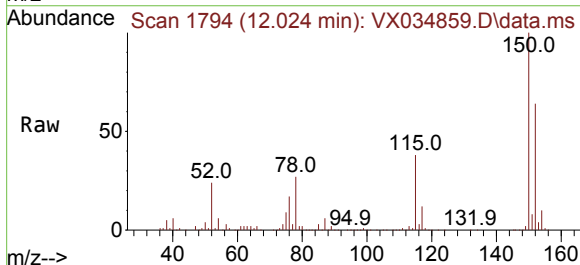
Instrument :
MSVOA_X
ClientSampleId :
MW-4

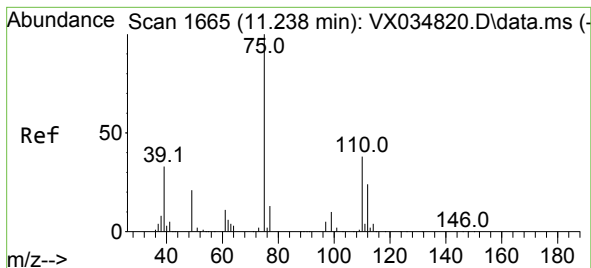
Tgt Ion:117 Resp: 360533
Ion Ratio Lower Upper
117 100
82 57.5 45.0 67.4
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034859.D
Acq: 30 Mar 2023 17:47

Tgt Ion:152 Resp: 160774
Ion Ratio Lower Upper
152 100
115 60.8 45.0 135.0
150 155.0 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 28.490 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034859.D

Acq: 30 Mar 2023 17:47

Instrument :

MSVOA_X

ClientSampleId :

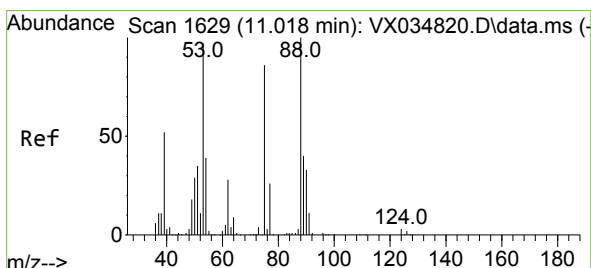
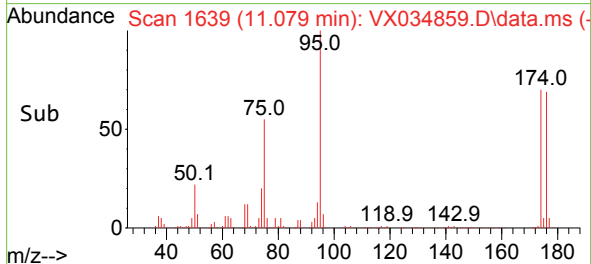
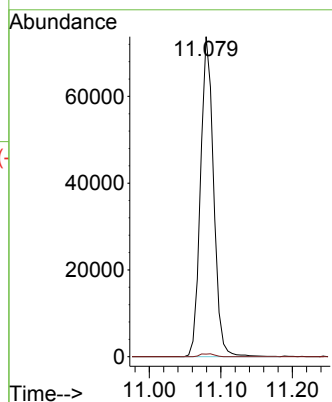
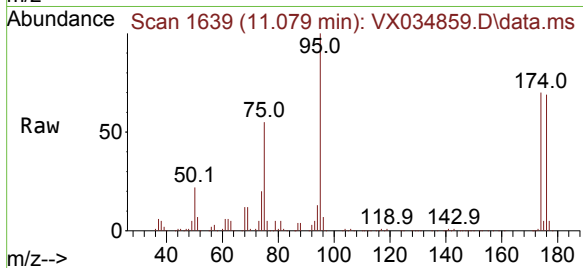
MW-4

Tgt Ion: 75 Resp: 93794

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.386 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034859.D

Acq: 30 Mar 2023 17:47

Tgt Ion: 75 Resp: 93794

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

