

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035343.D
 Acq On : 27 Apr 2023 15:58
 Operator : JC/MD
 Sample : 02492-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22-MW-041

Quant Time: Apr 28 05:06:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

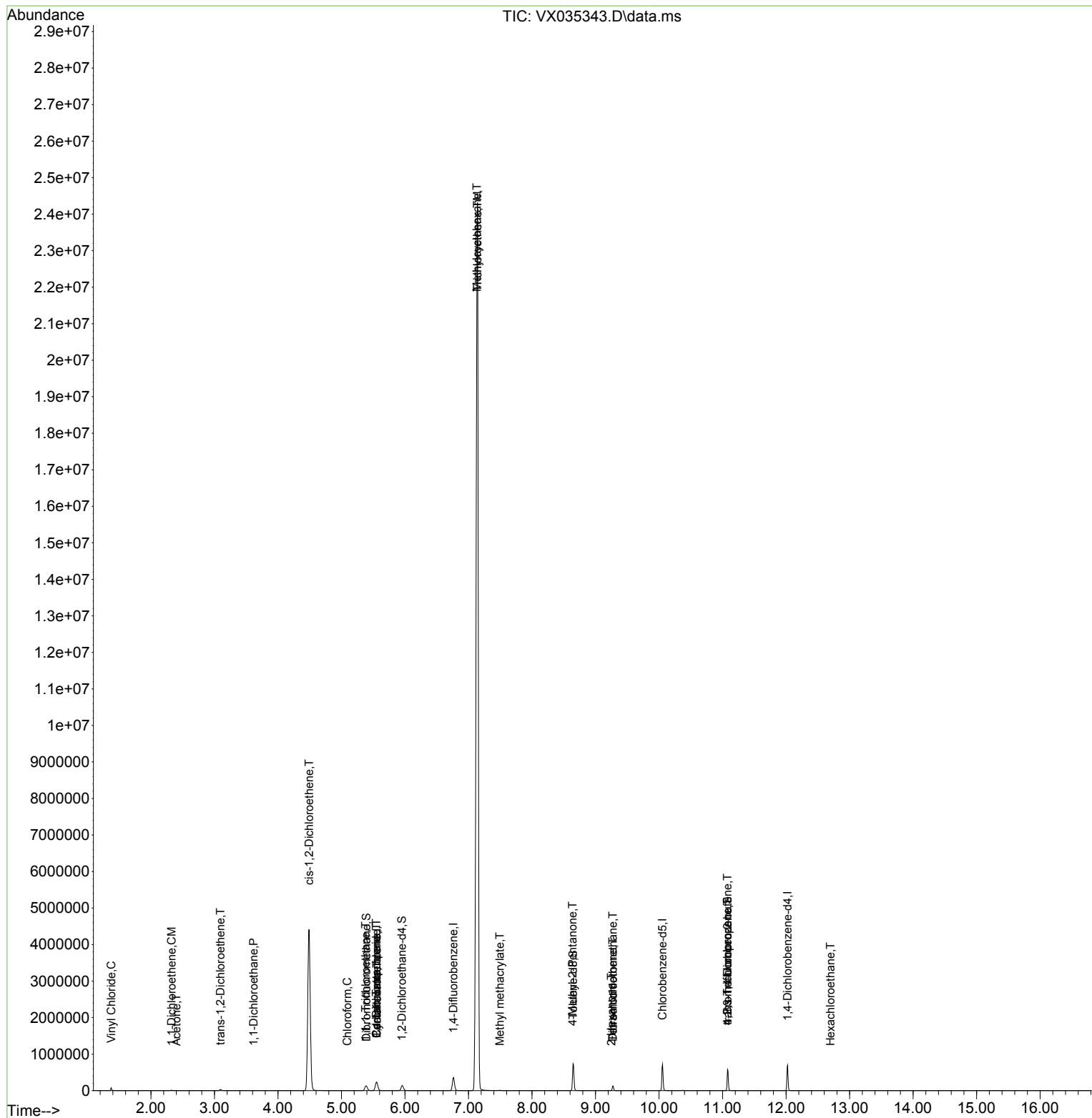
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	232086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	379620	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	341723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	138474	49.455	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.920%
35) Dibromofluoromethane	5.391	113	117198	50.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.600%
50) Toluene-d8	8.647	98	447909	50.959	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.920%
62) 4-Bromofluorobenzene	11.079	95	163558	49.466	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.940%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.373	62	49971	22.302	ug/l	100
12) 1,1-Dichloroethene	2.325	96	4498	1.995	ug/l	90
16) Acetone	2.398	43	1861	1.530	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	13563	5.540	ug/l	98
24) 1,1-Dichloroethane	3.617	63	1380	0.312	ug/l #	81
27) cis-1,2-Dichloroethene	4.489	96	2886116	1002.921	ug/l	86
30) Chloroform	5.092	83	2248	0.504	ug/l #	71
31) Cyclohexane	5.556	56	4286	1.079	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	2453	0.627	ug/l #	40
36) 1,1-Dichloropropene	5.550	75	16496	4.534	ug/l #	52
38) Carbon Tetrachloride	5.550	117	22536	6.525	ug/l #	17
39) Methylcyclohexane	7.135	83	137467	31.041	ug/l #	1
44) Trichloroethene	7.141	130	10189675	3544.109	ug/l	98
48) Methyl methacrylate	7.494	41	1527	0.558	ug/l	99
51) 4-Methyl-2-Pentanone	8.640	43	1905	0.555	ug/l #	1
59) 2-Hexanone	9.250	43	858	0.333	ug/l	98
60) Dibromochloromethane	9.274	129	24527	9.707	ug/l #	10
64) Tetrachloroethene	9.274	164	26069	9.963	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	80401	26.373	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	80401	85.418	ug/l #	8
90) Hexachloroethane	12.701	117	853	0.565	ug/l #	15

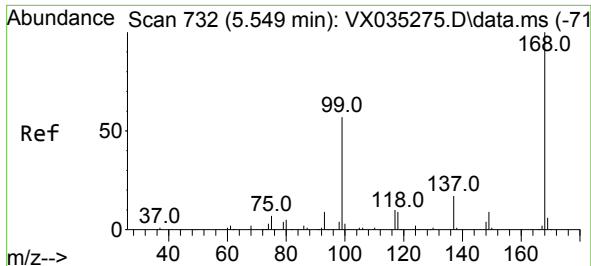
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
Response via : Initial Calibration

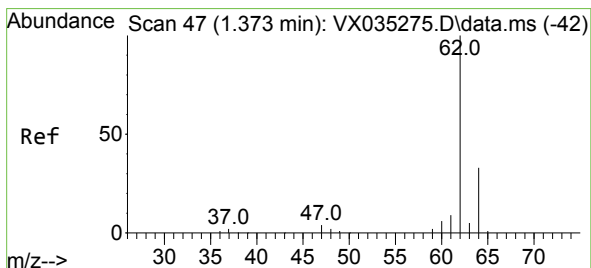
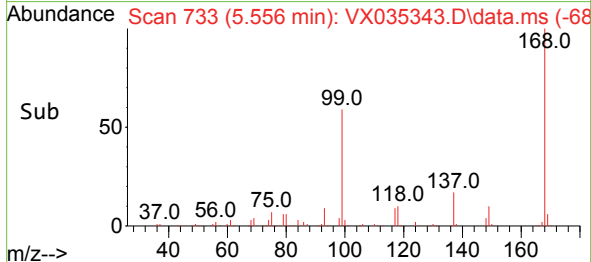
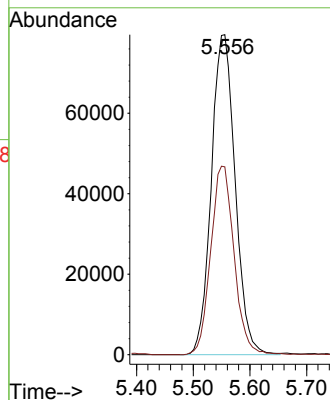
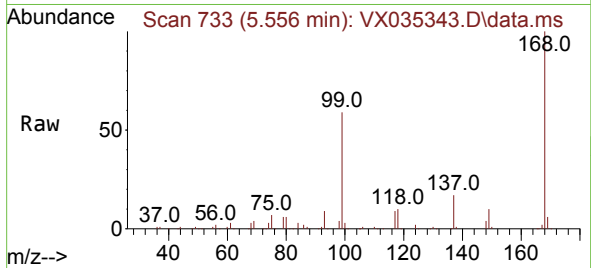




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

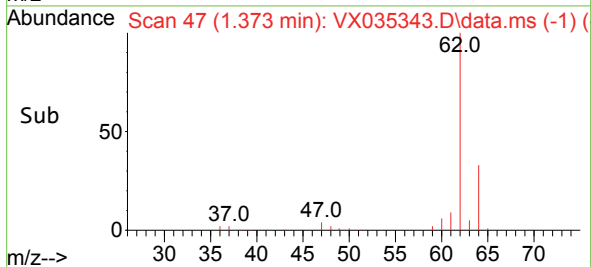
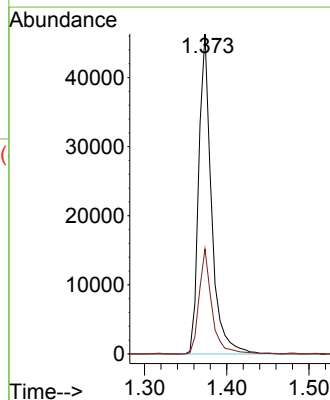
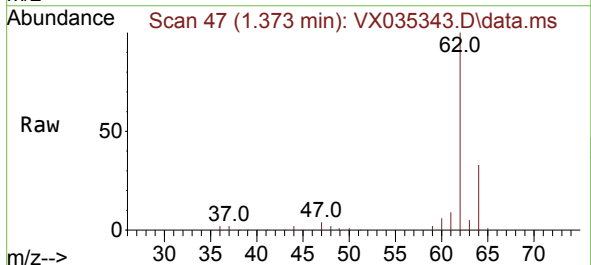
Instrument :
MSVOA_X
ClientSampleId :
22-MW-041

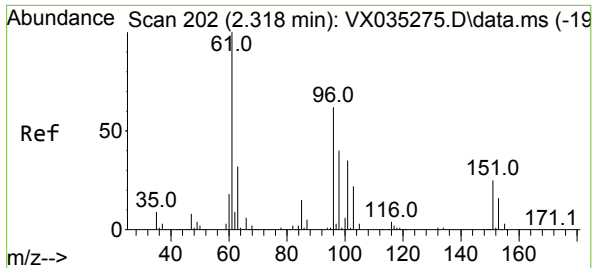
Tgt Ion:168 Resp: 232086
Ion Ratio Lower Upper
168 100
99 58.7 45.7 68.5



#4
Vinyl Chloride
Concen: 22.302 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

Tgt Ion: 62 Resp: 49971
Ion Ratio Lower Upper
62 100
64 32.8 26.4 39.6





#12

1,1-Dichloroethene

Concen: 1.995 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.007 min

Lab File: VX035343.D

Acq: 27 Apr 2023 15:58

Instrument :

MSVOA_X

ClientSampleId :

22-MW-041

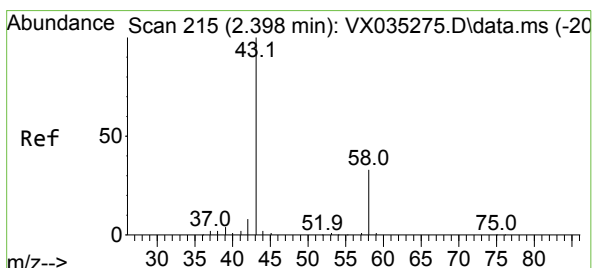
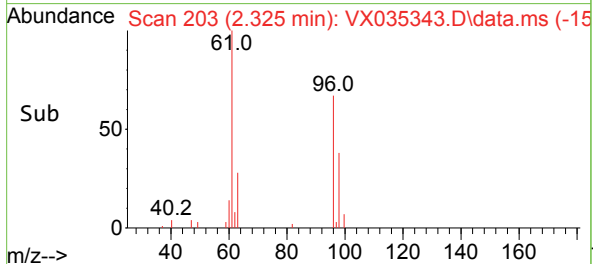
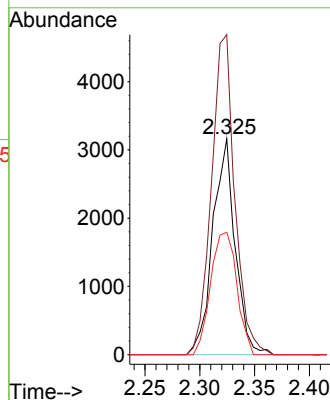
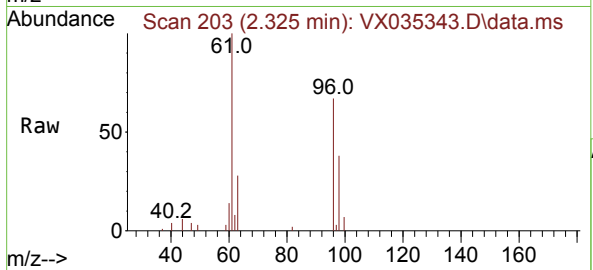
Tgt Ion: 96 Resp: 4498

Ion Ratio Lower Upper

96 100

61 148.3 128.8 193.2

98 56.7 51.4 77.0



#16

Acetone

Concen: 1.530 ug/l

RT: 2.398 min Scan# 215

Delta R.T. -0.000 min

Lab File: VX035343.D

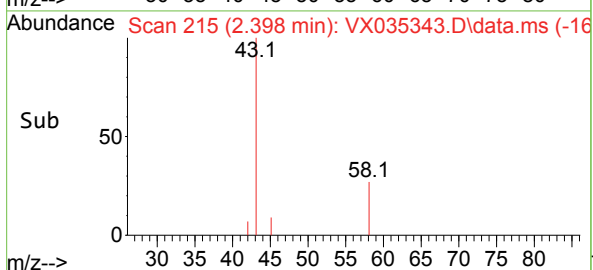
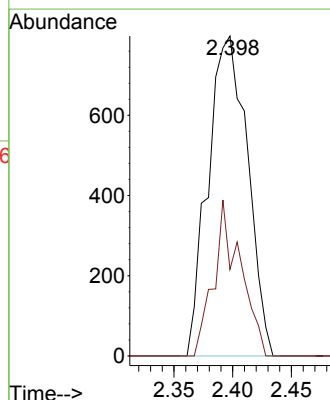
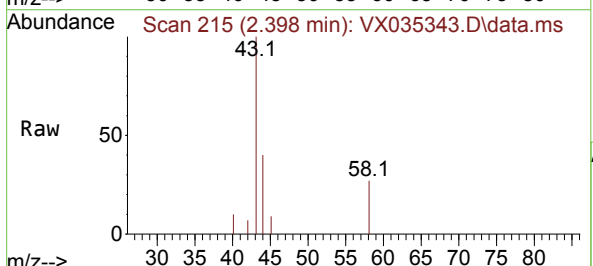
Acq: 27 Apr 2023 15:58

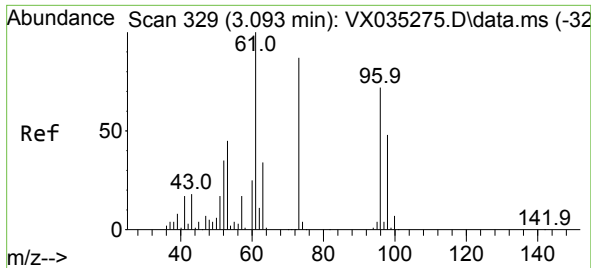
Tgt Ion: 43 Resp: 1861

Ion Ratio Lower Upper

43 100

58 27.1 24.7 37.1

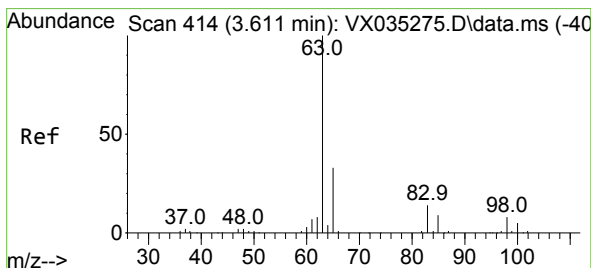
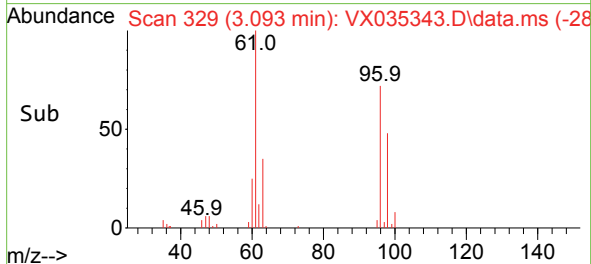
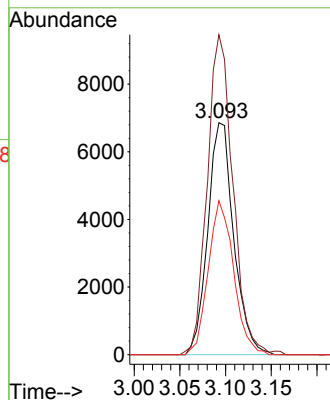
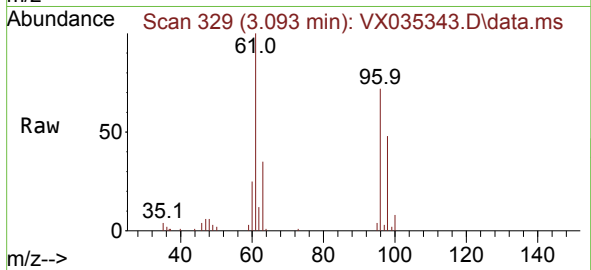




#21
trans-1,2-Dichloroethene
Concen: 5.540 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

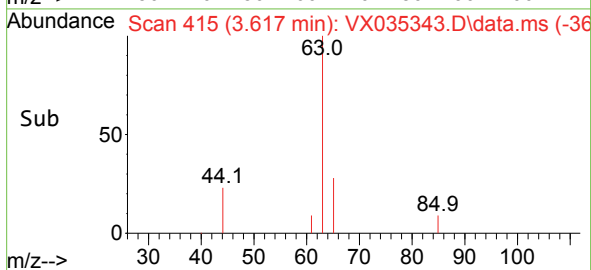
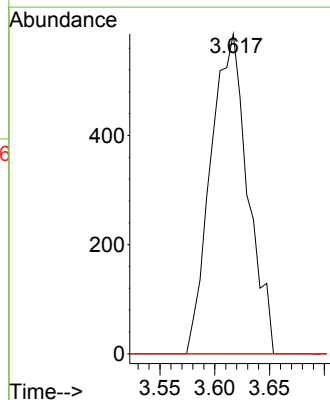
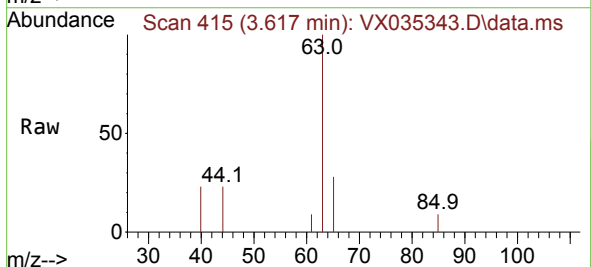
Instrument :
MSVOA_X
ClientSampleId :
22-MW-041

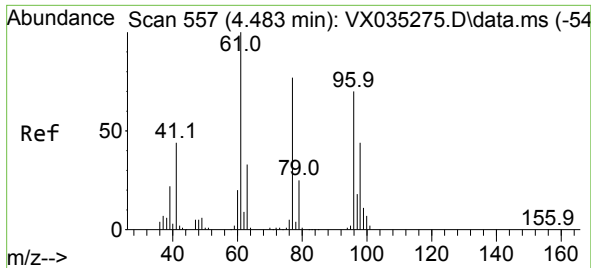
Tgt Ion: 96 Resp: 13563
Ion Ratio Lower Upper
96 100
61 137.9 113.0 169.6
98 66.3 52.1 78.1



#24
1,1-Dichloroethane
Concen: 0.312 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

Tgt Ion: 63 Resp: 1380
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.4 7.1#

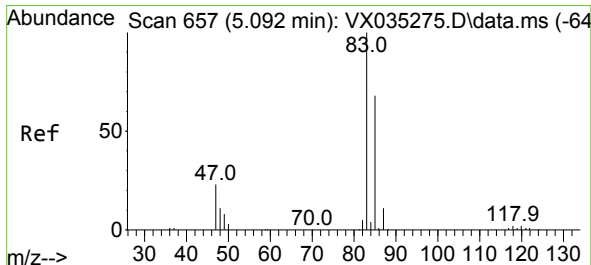
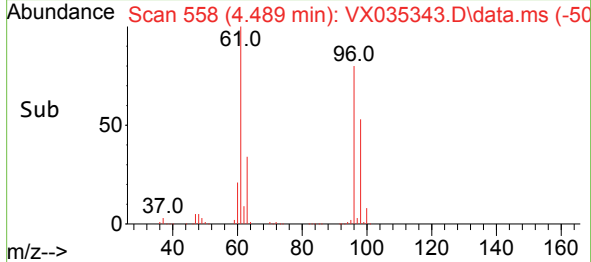
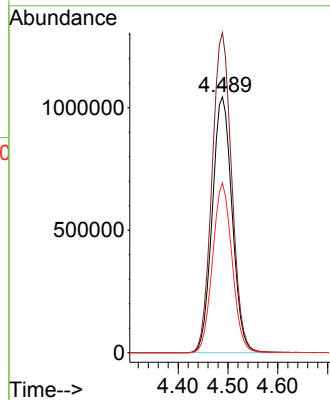
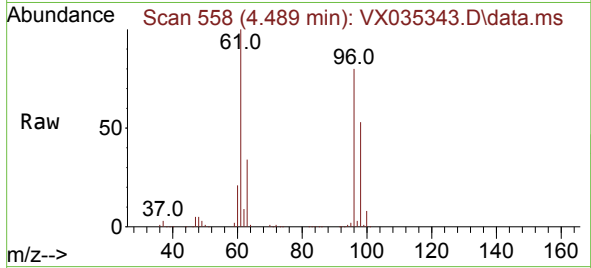




#27
 cis-1,2-Dichloroethene
 Concen: 1002.921 ug/l
 RT: 4.489 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VX035343.D
 Acq: 27 Apr 2023 15:58

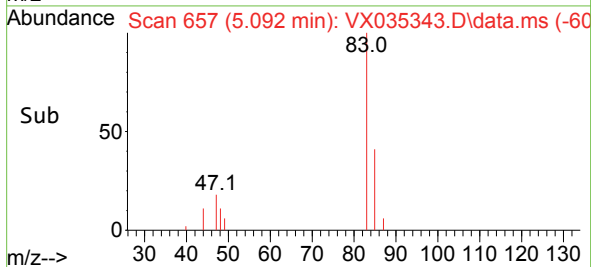
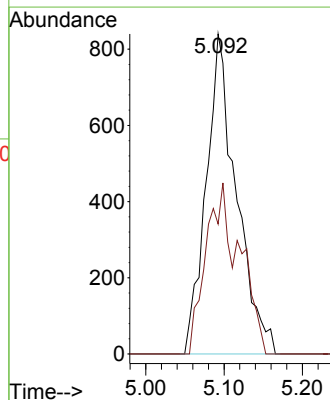
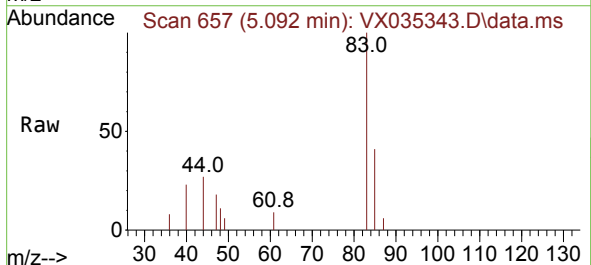
Instrument :
 MSVOA_X
 ClientSampleId :
 22-MW-041

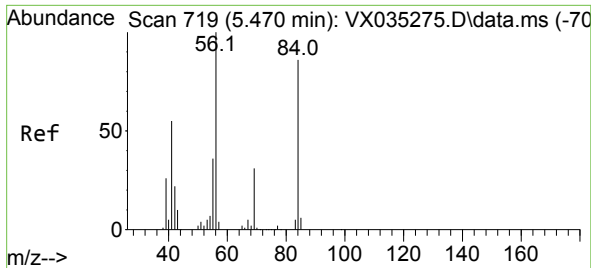
Tgt Ion: 96 Resp: 2886116
 Ion Ratio Lower Upper
 96 100
 61 124.5 0.0 300.4
 98 65.0 0.0 129.0



#30
 Chloroform
 Concen: 0.504 ug/l
 RT: 5.092 min Scan# 657
 Delta R.T. 0.000 min
 Lab File: VX035343.D
 Acq: 27 Apr 2023 15:58

Tgt Ion: 83 Resp: 2248
 Ion Ratio Lower Upper
 83 100
 85 40.6 50.6 76.0#

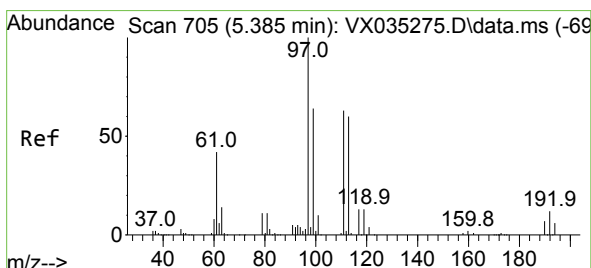
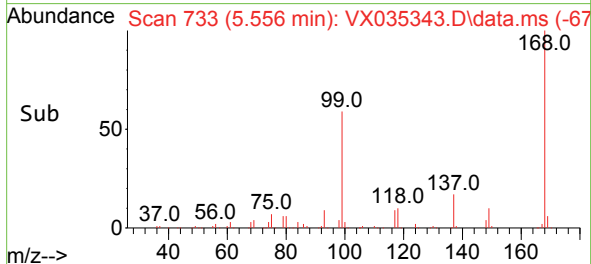
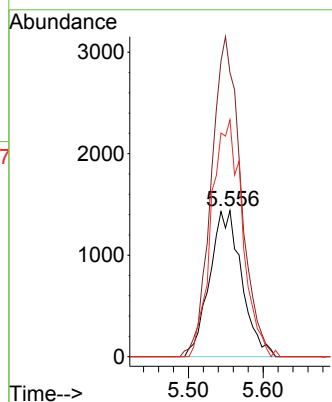
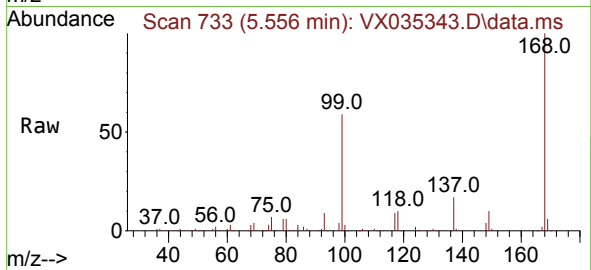




#31
Cyclohexane
Concen: 1.079 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

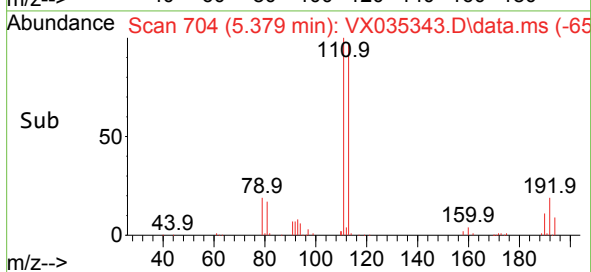
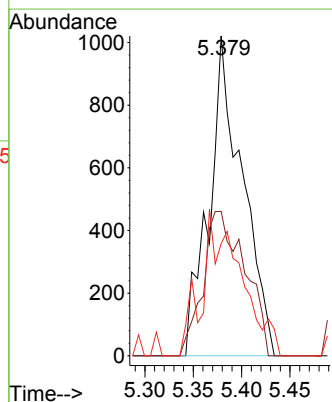
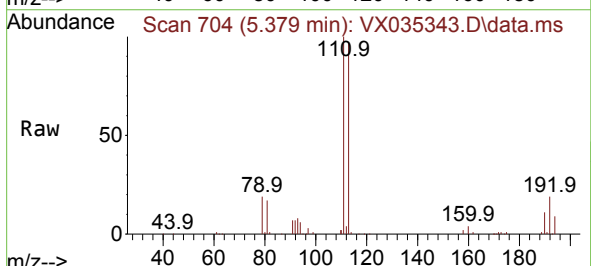
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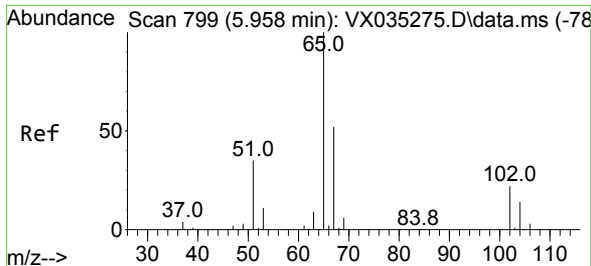
Tgt Ion: 56 Resp: 4286
Ion Ratio Lower Upper
56 100
69 194.5 23.7 35.5#
84 162.3 68.5 102.7#



#32
1,1,1-Trichloroethane
Concen: 0.627 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

Tgt Ion: 97 Resp: 2453
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 25.5 36.5 54.7#





#33

1,2-Dichloroethane-d4

Concen: 49.455 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035343.D

Acq: 27 Apr 2023 15:58

Instrument :

MSVOA_X

ClientSampleId :

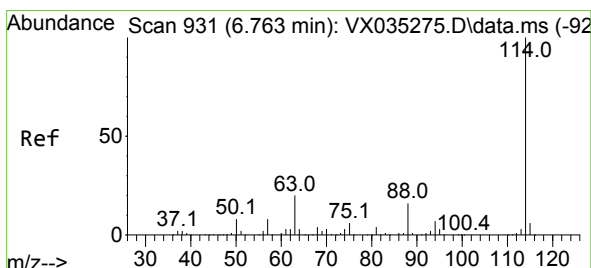
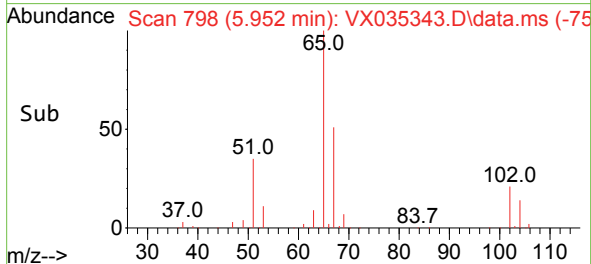
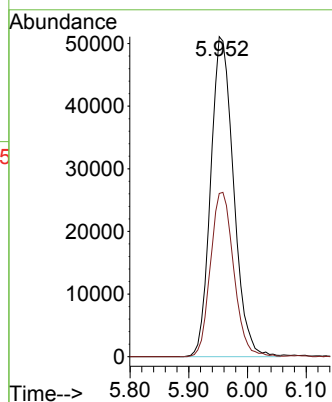
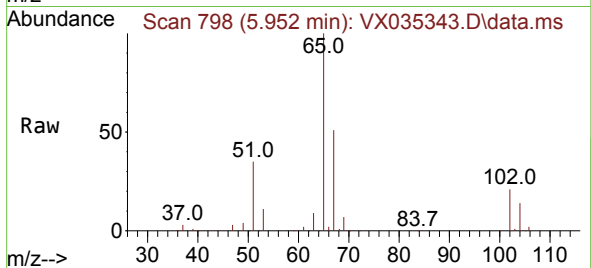
22-MW-041

Tgt Ion: 65 Resp: 138474

Ion Ratio Lower Upper

65 100

67 52.1 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: VX035343.D

Acq: 27 Apr 2023 15:58

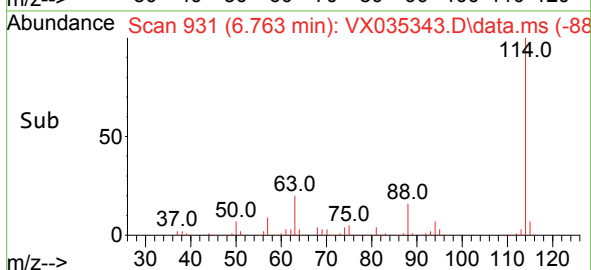
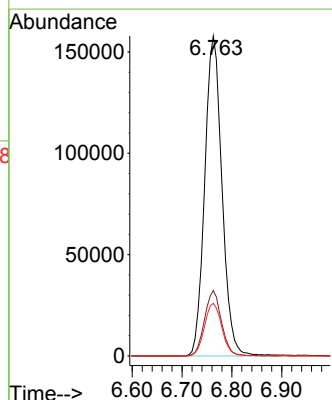
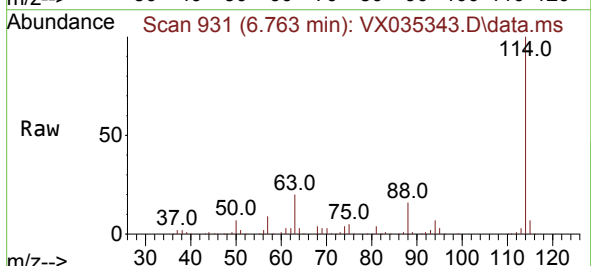
Tgt Ion: 114 Resp: 379620

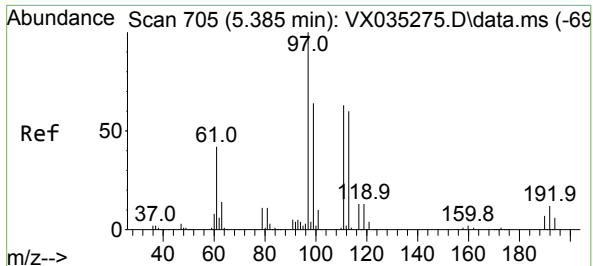
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.2

88 16.5 0.0 33.2

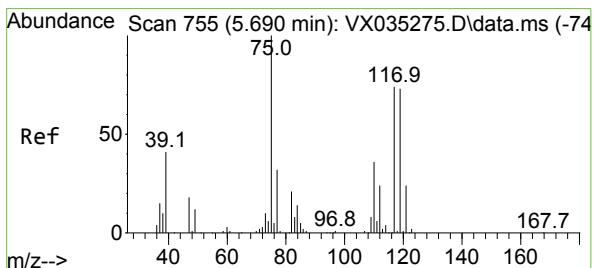
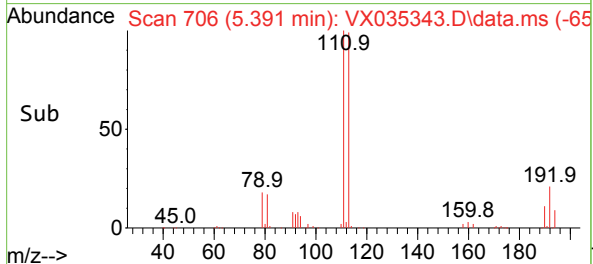
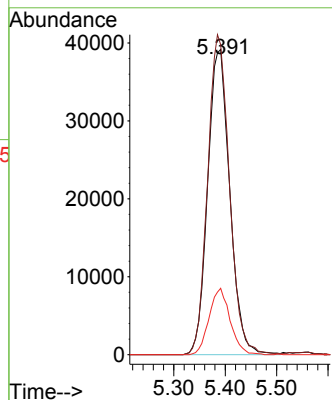
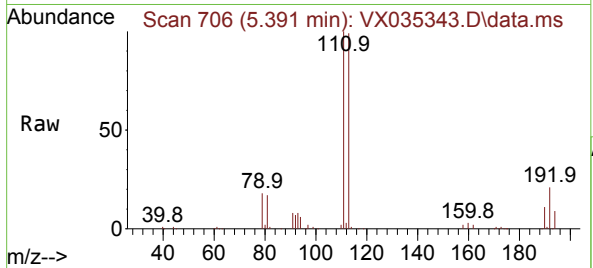




#35
Dibromofluoromethane
Concen: 50.300 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

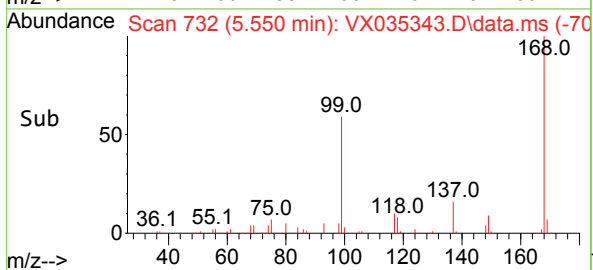
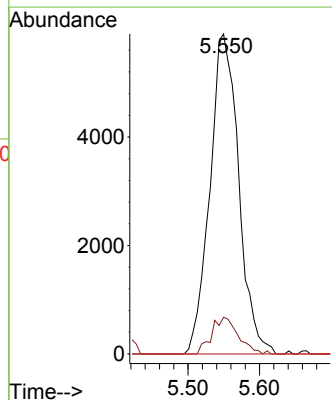
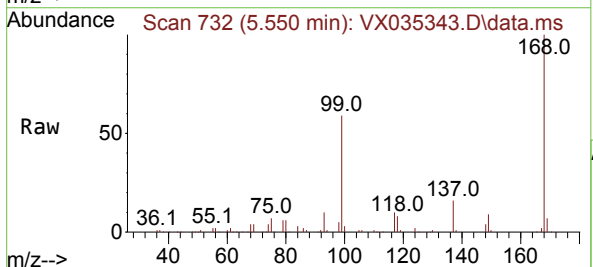
Instrument :
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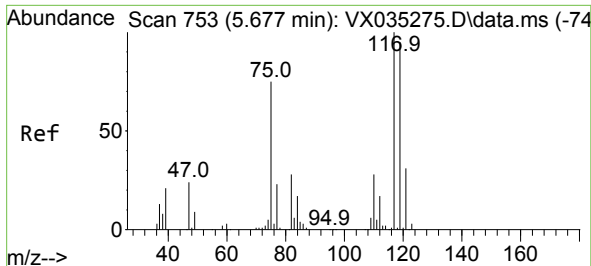
Tgt Ion:113 Resp: 117198
Ion Ratio Lower Upper
113 100
111 103.2 83.7 125.5
192 20.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.534 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

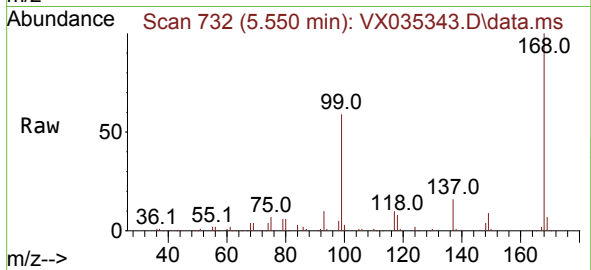
Tgt Ion: 75 Resp: 16496
Ion Ratio Lower Upper
75 100
110 10.6 17.5 52.5#
77 0.0 24.3 36.5#



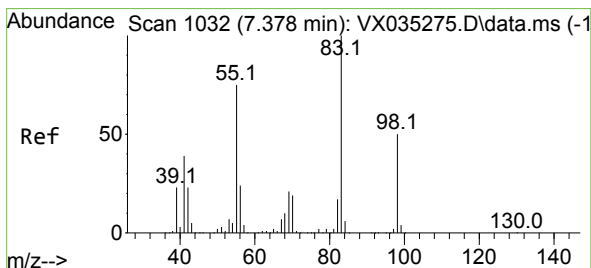
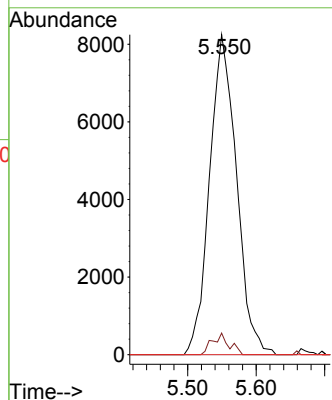
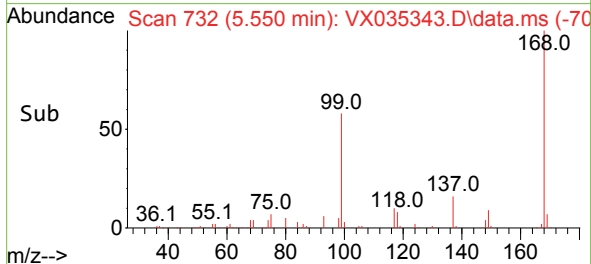


#38
Carbon Tetrachloride
Concen: 6.525 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

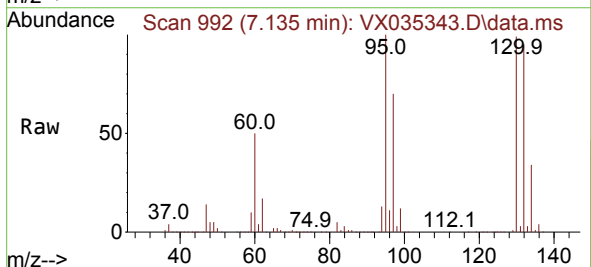
Instrument :
MSVOA_X
ClientSampleId :
22-MW-041



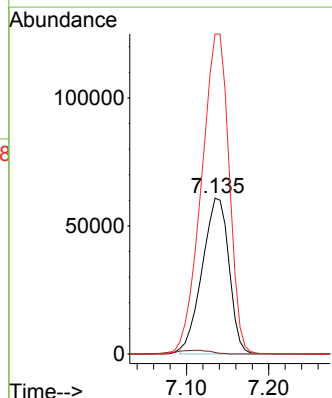
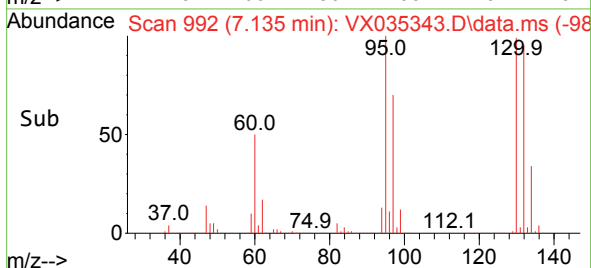
Tgt Ion:117 Resp: 22536
Ion Ratio Lower Upper
117 100
119 6.8 76.6 114.8#
121 0.0 23.8 35.6#

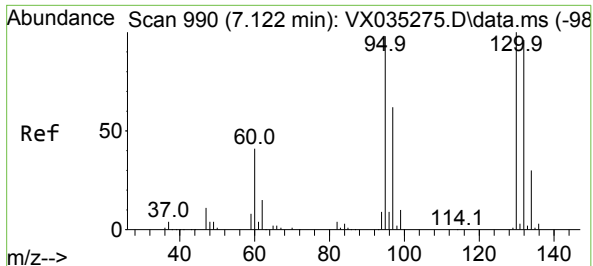


#39
Methylcyclohexane
Concen: 31.041 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.243 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58



Tgt Ion: 83 Resp: 137467
Ion Ratio Lower Upper
83 100
55 1.0 60.5 90.7#
98 204.9 40.4 60.6#

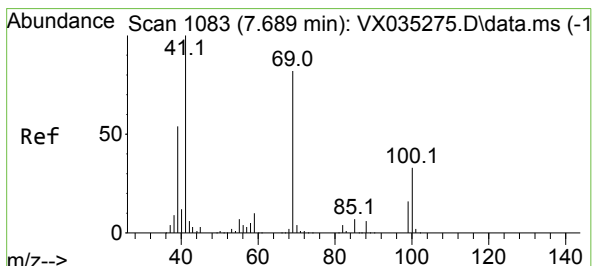
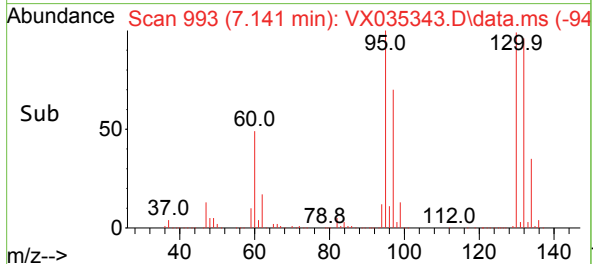
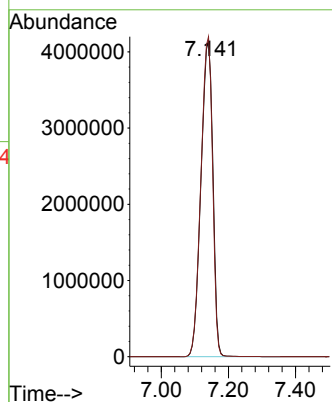
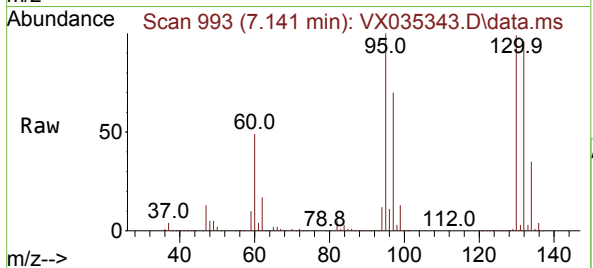




#44
Trichloroethene
Concen: 3544.109 ug/l
RT: 7.141 min Scan# 990
Delta R.T. 0.019 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

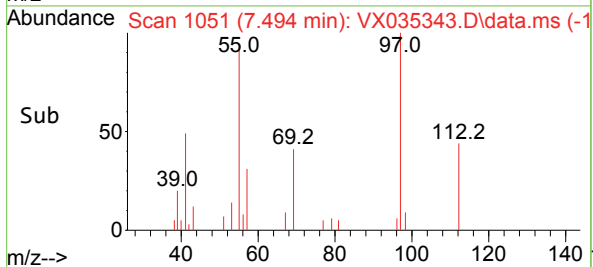
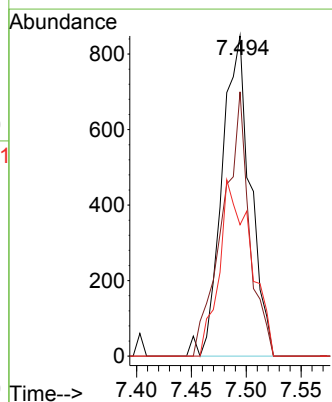
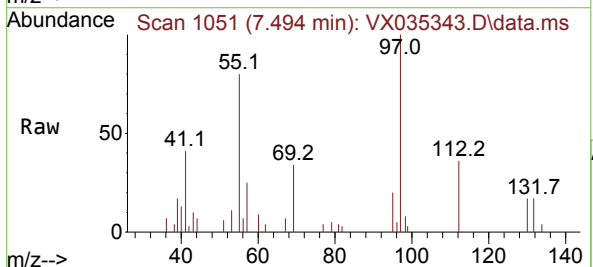
Instrument :
MSVOA_X
ClientSampleId :
22-MW-041

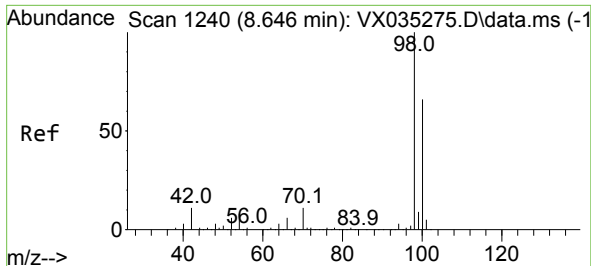
Tgt Ion:130 Resp:10189675
Ion Ratio Lower Upper
130 100
95 101.4 0.0 198.4



#48
Methyl methacrylate
Concen: 0.558 ug/l
RT: 7.494 min Scan# 1051
Delta R.T. -0.195 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

Tgt Ion: 41 Resp: 1527
Ion Ratio Lower Upper
41 100
69 77.1 62.2 93.4
39 61.2 47.7 71.5

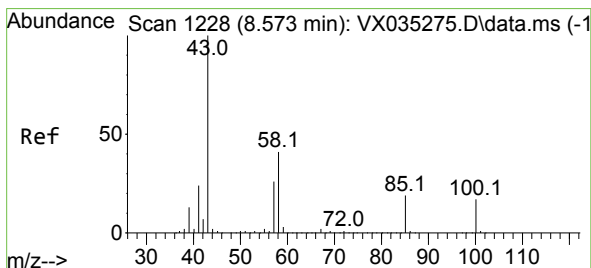
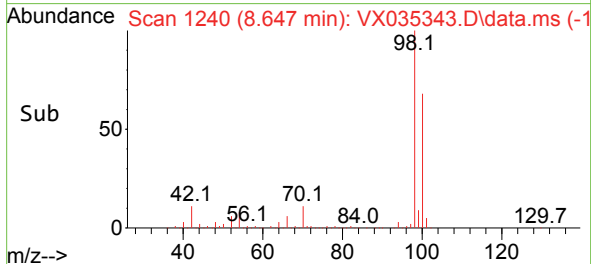
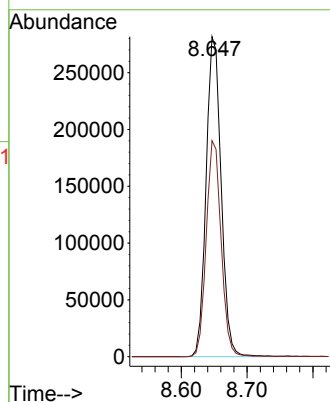
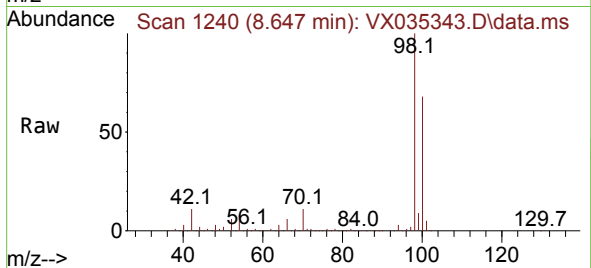




#50
Toluene-d8
Concen: 50.959 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

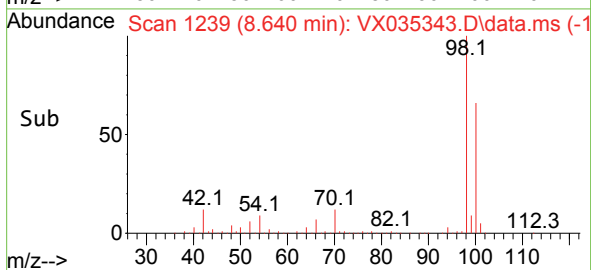
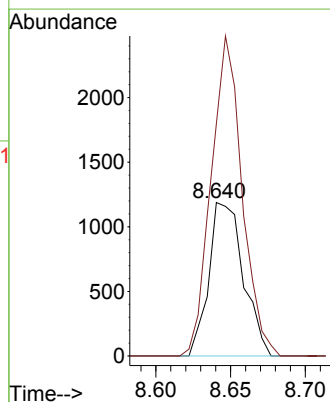
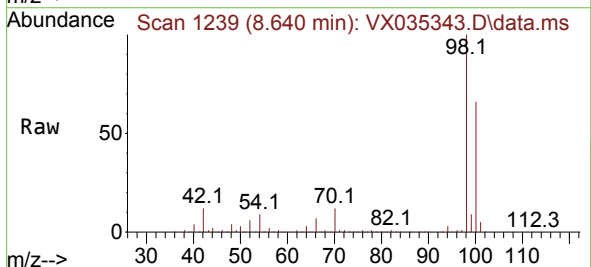
Instrument :
MSVOA_X
ClientSampleId :
22-MW-041

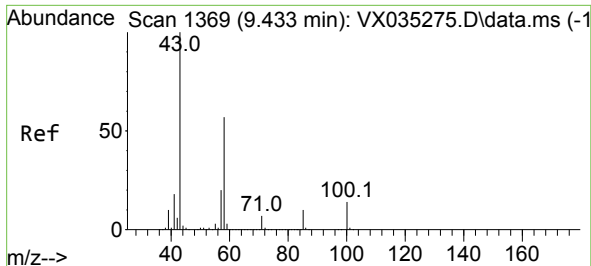
Tgt Ion: 98 Resp: 447909
Ion Ratio Lower Upper
98 100
100 66.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.555 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
58 187.1 30.6 46.0#





#59

2-Hexanone

Concen: 0.333 ug/l

RT: 9.250 min Scan# 11

Delta R.T. -0.183 min

Lab File: VX035343.D

Acq: 27 Apr 2023 15:58

Instrument :

MSVOA_X

ClientSampleId :

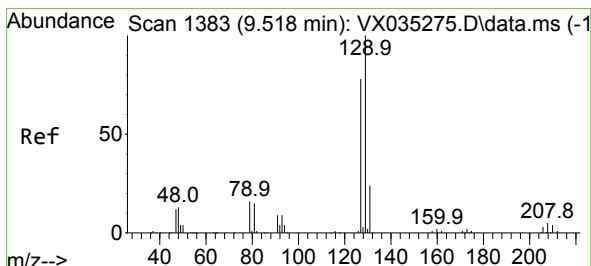
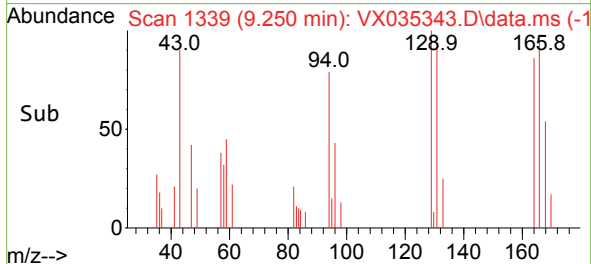
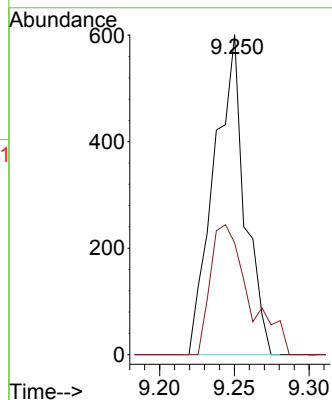
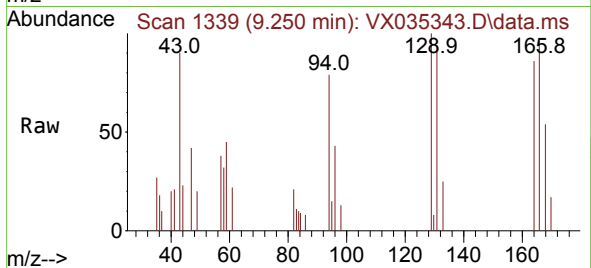
22-MW-041

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

43 100

58 51.3 26.3 78.9



#60

Dibromochloromethane

Concen: 9.707 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX035343.D

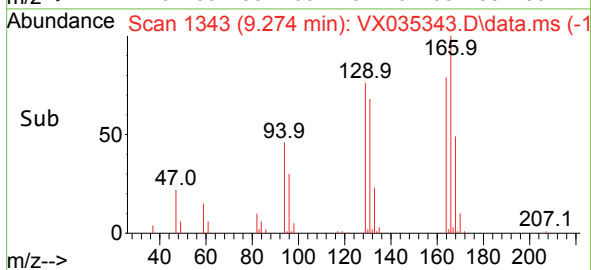
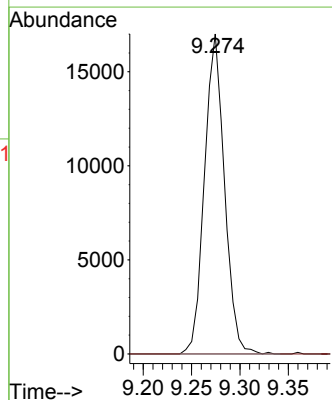
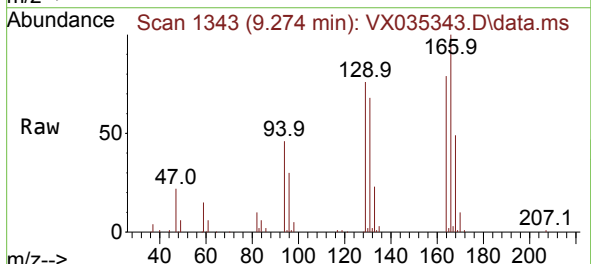
Acq: 27 Apr 2023 15:58

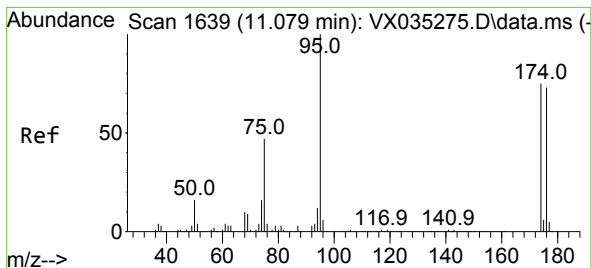
Tgt Ion: 129 Resp: 24527

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

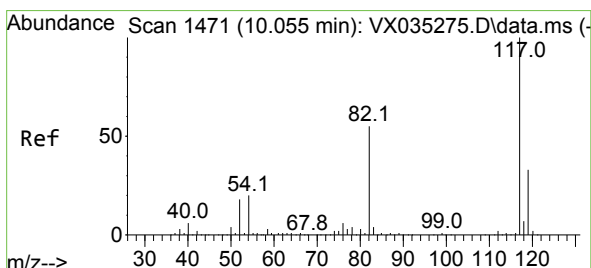
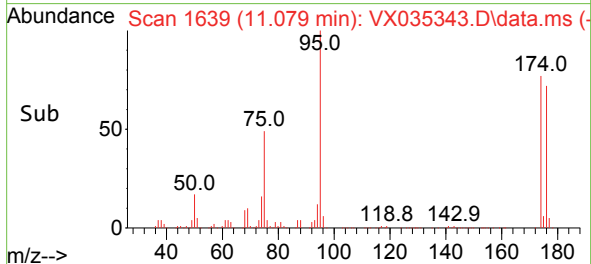
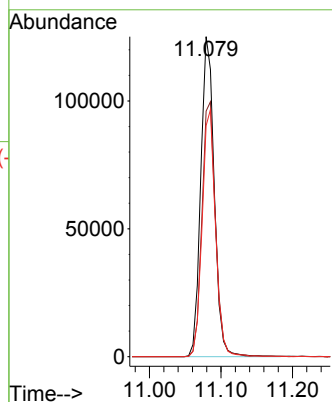
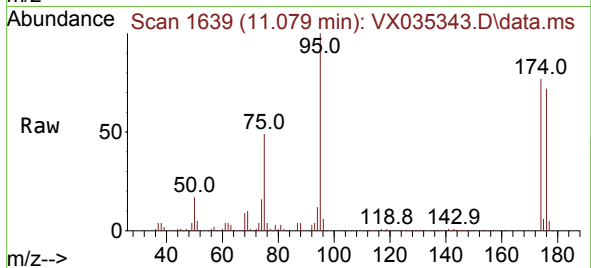




#62
4-Bromofluorobenzene
Concen: 49.466 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

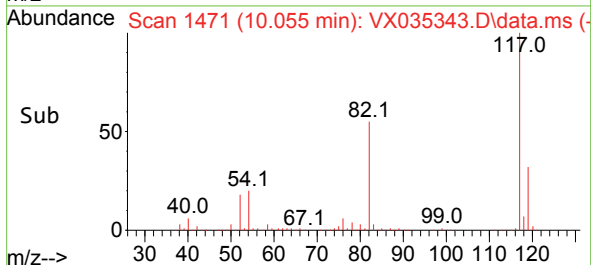
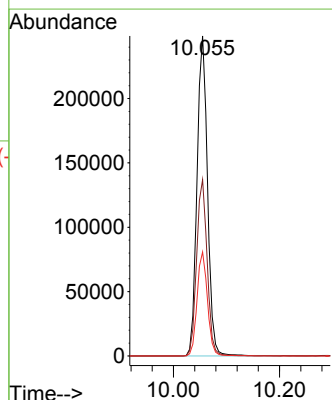
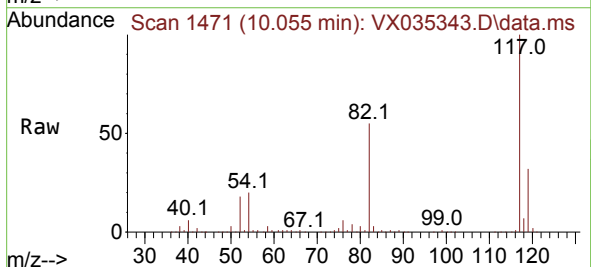
Instrument :
MSVOA_X
ClientSampleId :
22-MW-041

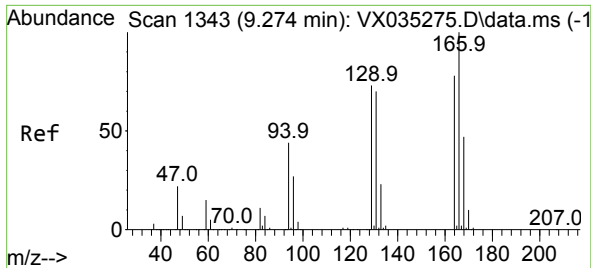
Tgt Ion: 95 Resp: 163558
Ion Ratio Lower Upper
95 100
174 80.4 0.0 147.4
176 77.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

Tgt Ion: 117 Resp: 341723
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 32.5 26.0 39.0

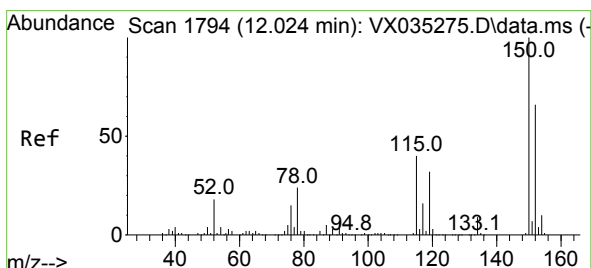
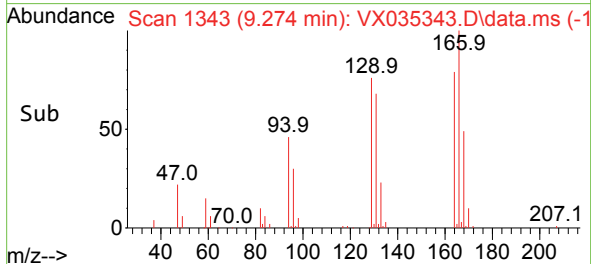
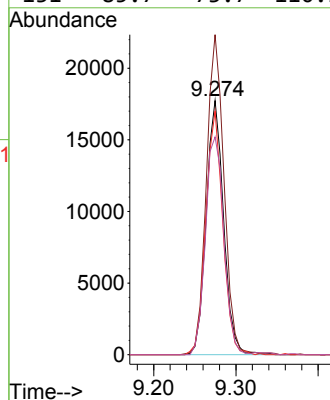
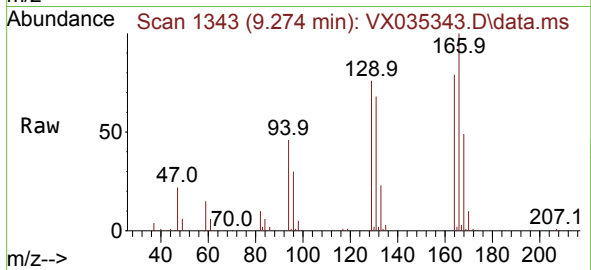




#64
Tetrachloroethene
Concen: 9.963 ug/l
RT: 9.274 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

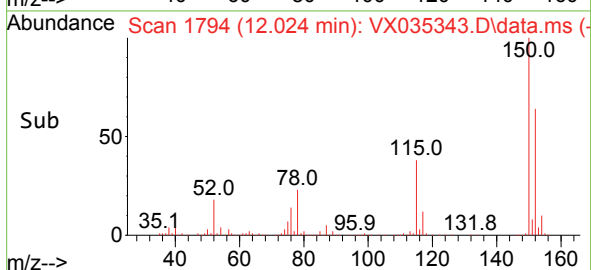
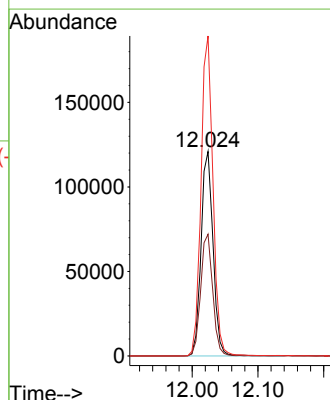
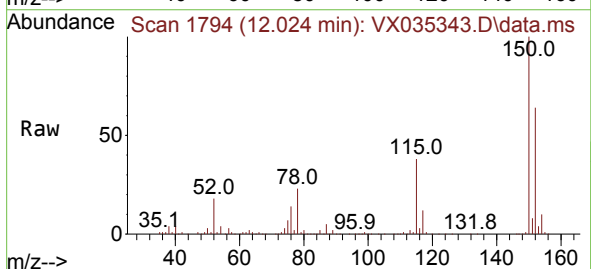
Instrument :
MSVOA_X
ClientSampleId :
22-MW-041

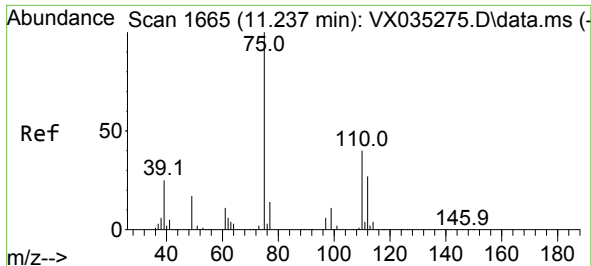
Tgt Ion:164 Resp: 26069
Ion Ratio Lower Upper
164 100
166 125.9 102.7 154.1
129 95.9 75.6 113.4
131 85.7 73.7 110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

Tgt Ion:152 Resp: 152828
Ion Ratio Lower Upper
152 100
115 60.0 45.0 135.0
150 156.2 0.0 352.4

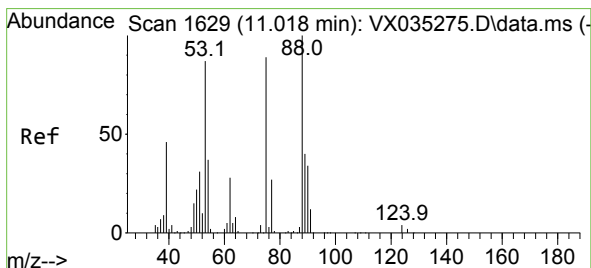
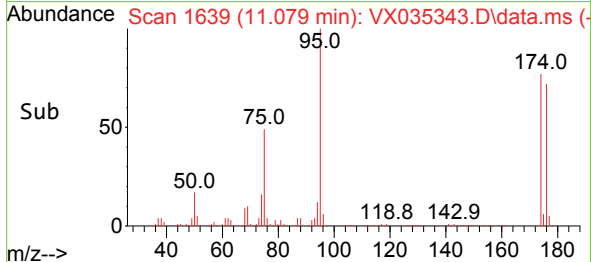
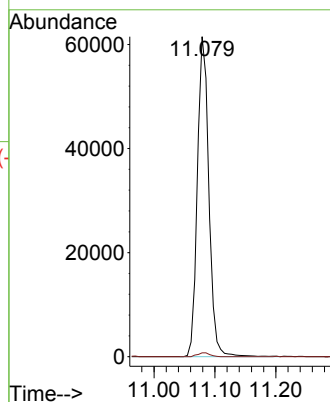
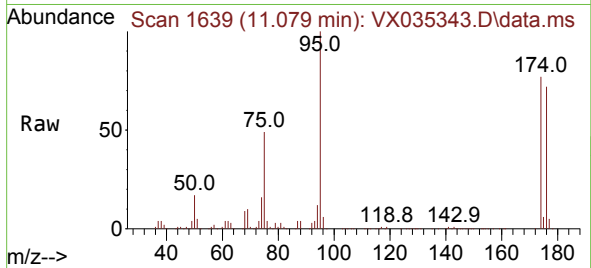




#76
1,2,3-Trichloropropane
Concen: 26.373 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

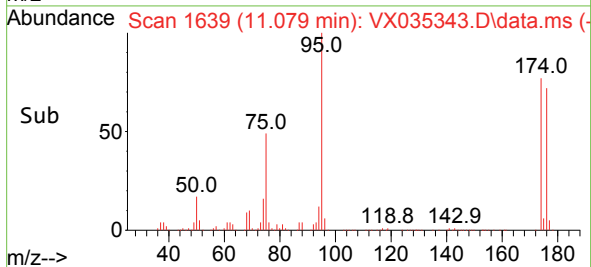
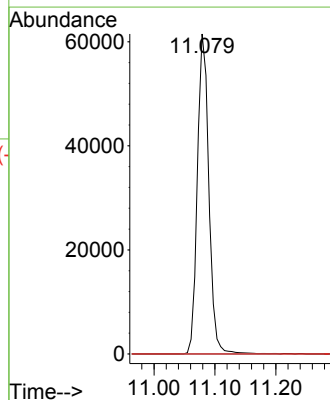
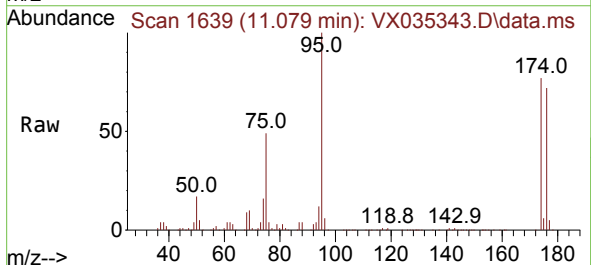
Instrument :
MSVOA_X
ClientSampleId :
22-MW-041

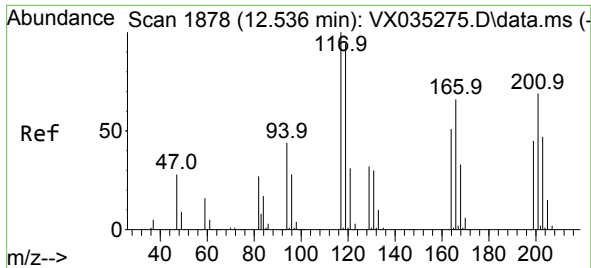
Tgt Ion: 75 Resp: 80401
Ion Ratio Lower Upper
75 100
77 1.3 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.418 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

Tgt Ion: 75 Resp: 80401
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#90
Hexachloroethane
Concen: 0.565 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX035343.D
Acq: 27 Apr 2023 15:58

Instrument :
MSVOA_X
ClientSampleId :
22-MW-041

Tgt Ion:117 Resp: 853
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.1#

