

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035366.D
 Acq On : 28 Apr 2023 05:22
 Operator : JC/MD
 Sample : 02522-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Apr 28 06:44:55 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

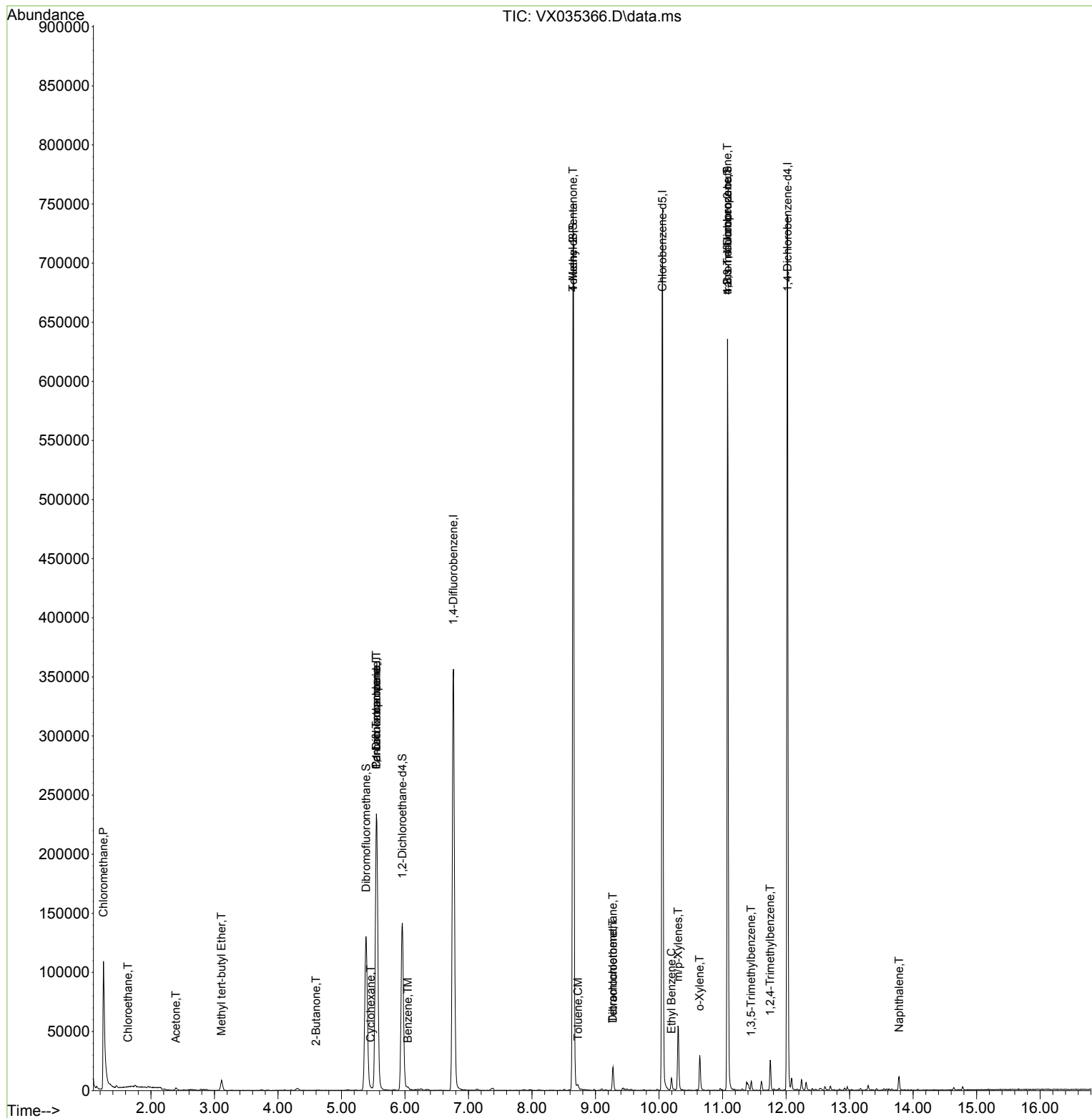
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	232689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	380732	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	347472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	137271	48.899	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.800%
35) Dibromofluoromethane	5.385	113	116910	50.029	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.060%
50) Toluene-d8	8.647	98	447533	50.768	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.540%
62) 4-Bromofluorobenzene	11.079	95	170396	51.384	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.760%
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	3411	1.523	ug/l #	42
6) Chloroethane	1.636	64	820	0.624	ug/l #	42
16) Acetone	2.392	43	2715	2.227	ug/l	89
19) Methyl tert-butyl Ether	3.111	73	8146	1.051	ug/l #	86
25) 2-Butanone	4.599	43	369	0.207	ug/l #	51
31) Cyclohexane	5.458	56	1111	0.279	ug/l #	77
36) 1,1-Dichloropropene	5.550	75	16394	4.493	ug/l #	51
38) Carbon Tetrachloride	5.550	117	22418	6.472	ug/l #	16
40) Benzene	6.043	78	2672	0.255	ug/l #	78
51) 4-Methyl-2-Pentanone	8.647	43	1865	0.542	ug/l #	1
52) Toluene	8.726	92	1640	0.247	ug/l	89
60) Dibromochloromethane	9.275	129	3758	1.483	ug/l #	10
64) Tetrachloroethene	9.275	164	4023	1.512	ug/l	94
67) Ethyl Benzene	10.195	91	6297	0.484	ug/l #	88
68) m/p-Xylenes	10.299	106	14076	2.822	ug/l	96
69) o-Xylene	10.640	106	6950	1.421	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	84647	25.811	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.451	105	3682	0.363	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	84647	83.598	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	11796	1.159	ug/l	100
95) Naphthalene	13.780	128	8806	0.801	ug/l	99

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

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Quant Time: Apr 28 06:44:55 2023
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Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
Response via : Initial Calibration

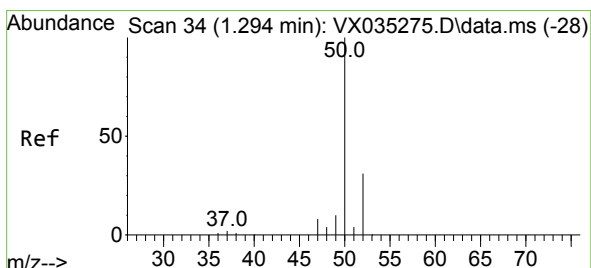
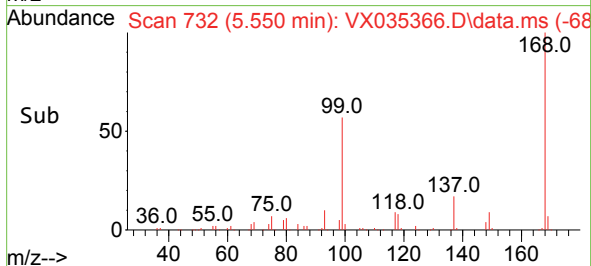
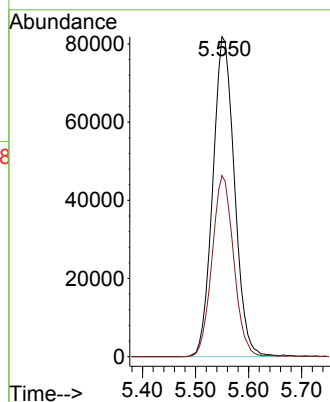
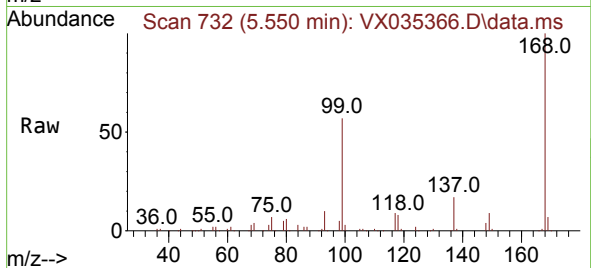




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

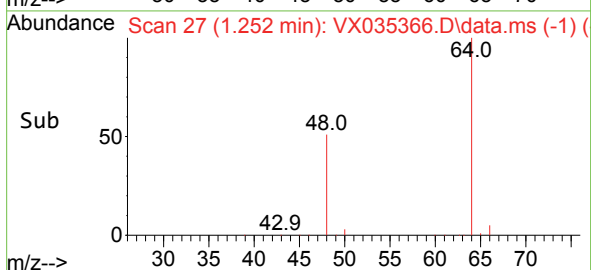
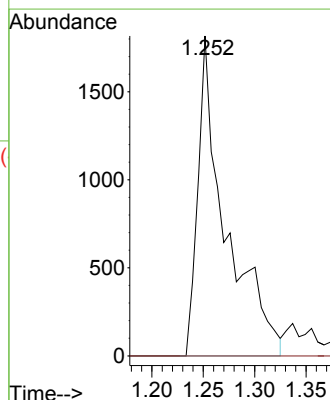
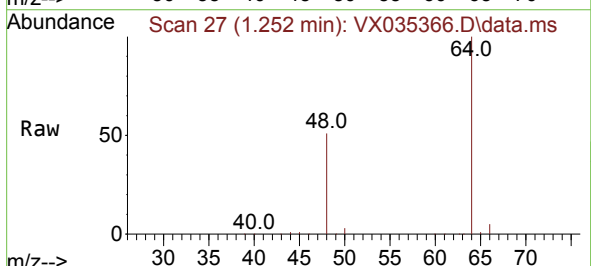
Instrument :
MSVOA_X
ClientSampleId :
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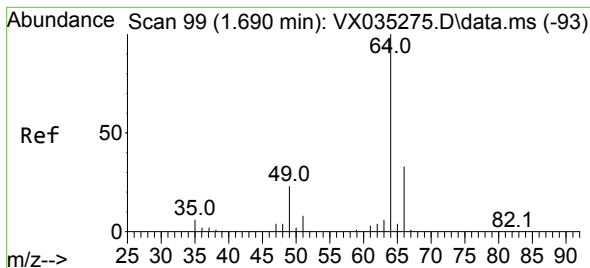
Tgt Ion:168 Resp: 232689
Ion Ratio Lower Upper
168 100
99 56.6 45.7 68.5



#3
Chloromethane
Concen: 1.523 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.042 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

Tgt Ion: 50 Resp: 3411
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#6

Chloroethane

Concen: 0.624 ug/l

RT: 1.636 min Scan# 90

Delta R.T. -0.054 min

Lab File: VX035366.D

Acq: 28 Apr 2023 05:22

Instrument :

MSVOA_X

ClientSampleId :

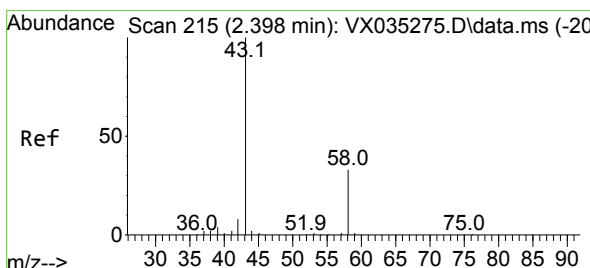
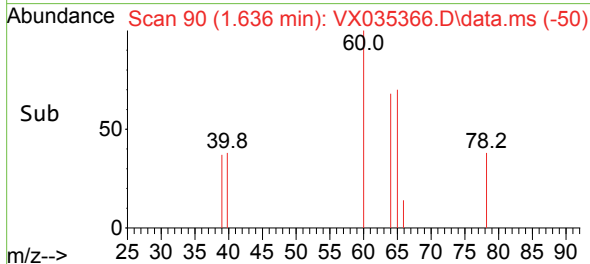
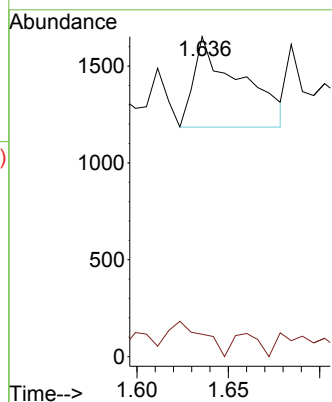
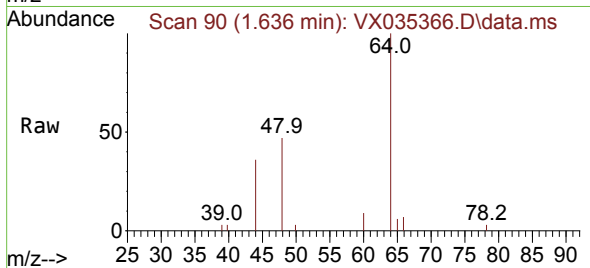
MW-11

Tgt Ion: 64 Resp: 820

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#



#16

Acetone

Concen: 2.227 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX035366.D

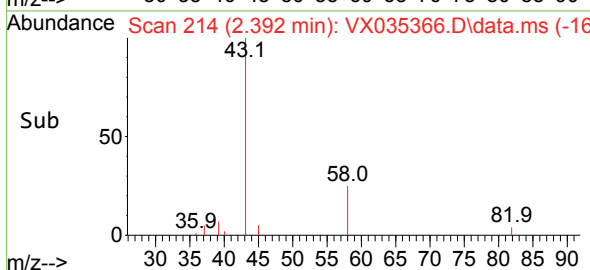
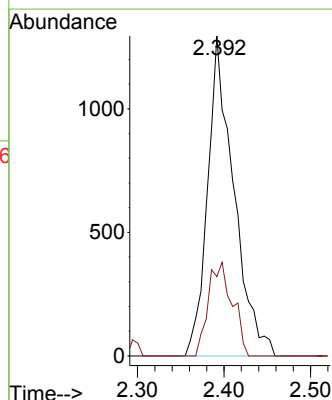
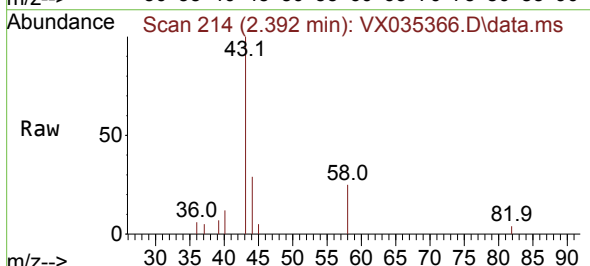
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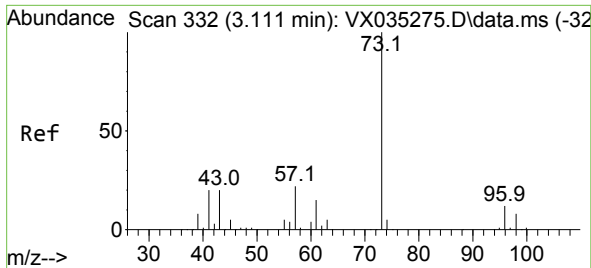
Tgt Ion: 43 Resp: 2715

Ion Ratio Lower Upper

43 100

58 24.8 24.7 37.1

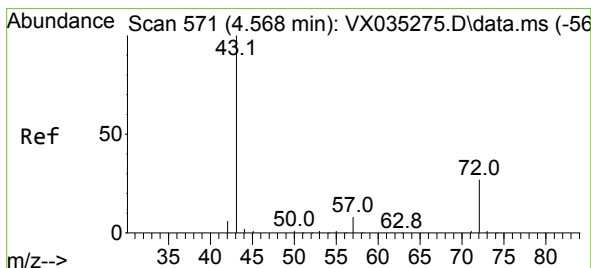
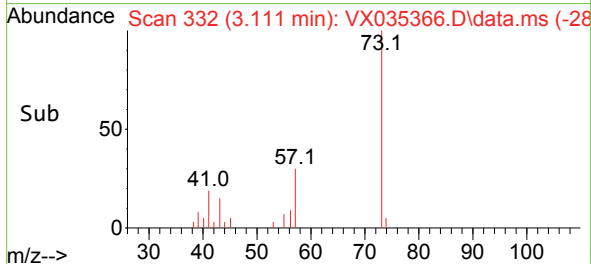
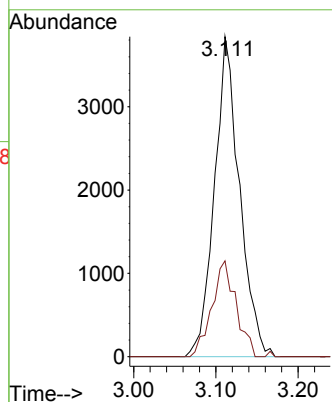
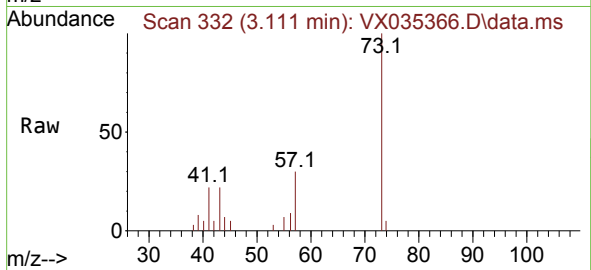




#19
Methyl tert-butyl Ether
Concen: 1.051 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

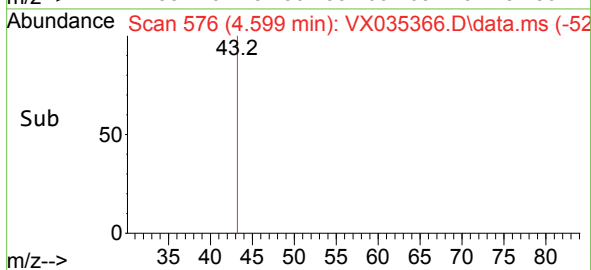
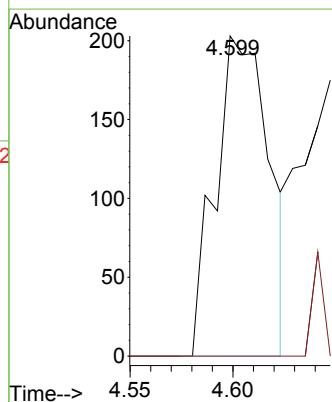
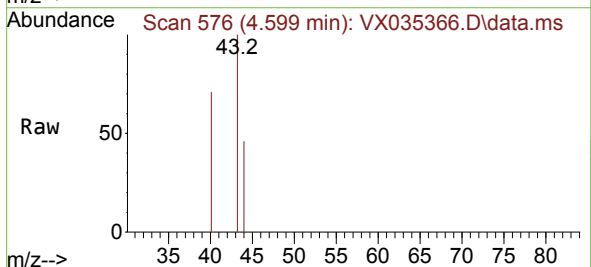
Instrument :
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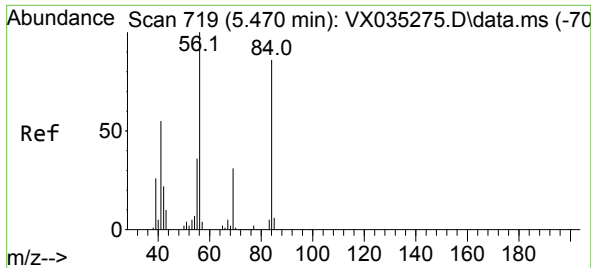
Tgt Ion: 73 Resp: 8146
Ion Ratio Lower Upper
73 100
57 29.9 18.5 27.7#



#25
2-Butanone
Concen: 0.207 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.031 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

Tgt Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#

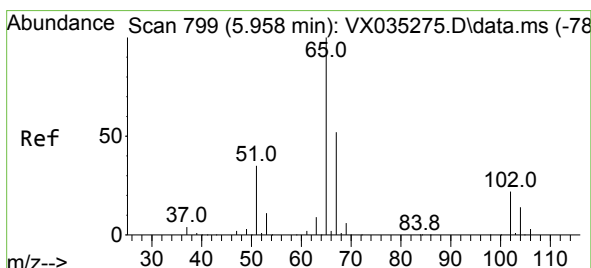
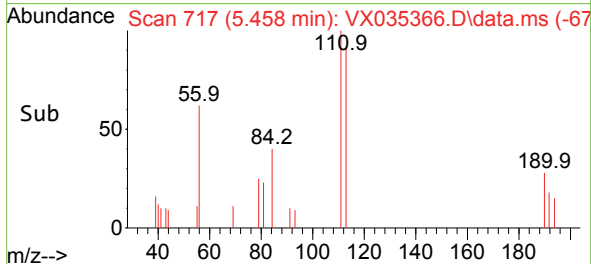
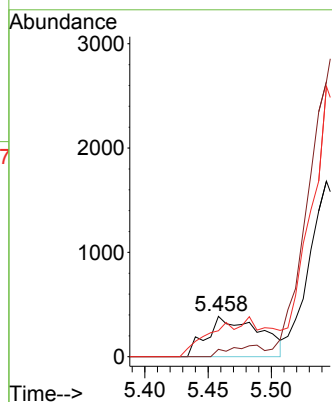
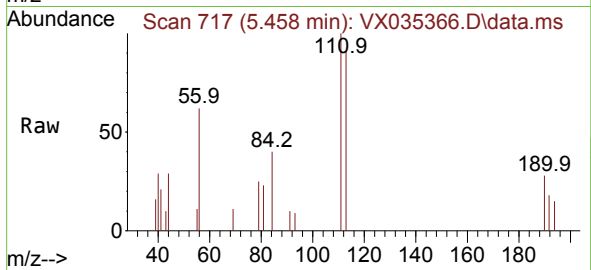




#31
Cyclohexane
Concen: 0.279 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.012 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

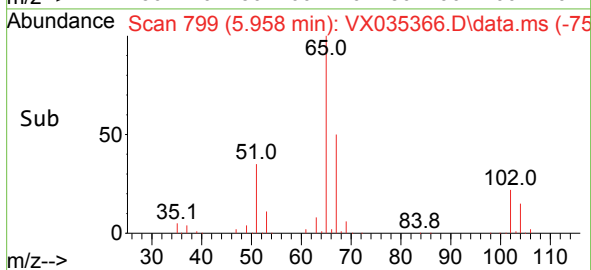
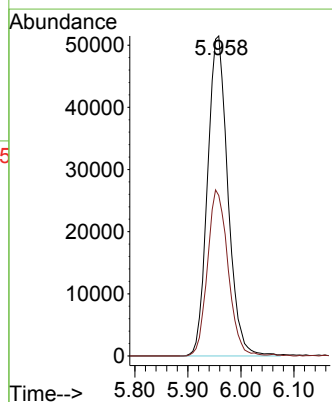
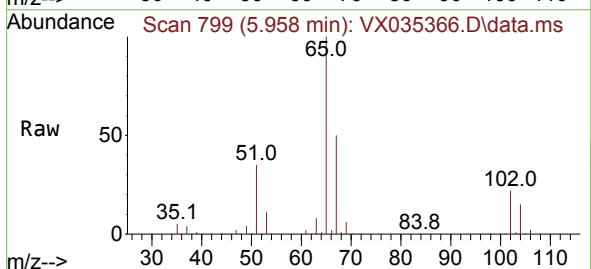
Instrument :
MSVOA_X
ClientSampleId :
MW-11

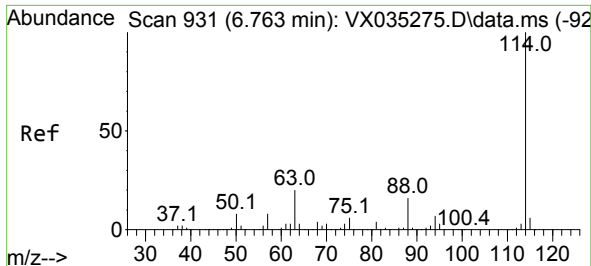
Tgt Ion: 56 Resp: 1111
Ion Ratio Lower Upper
56 100
69 18.1 23.7 35.5#
84 64.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.899 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

Tgt Ion: 65 Resp: 137271
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.0

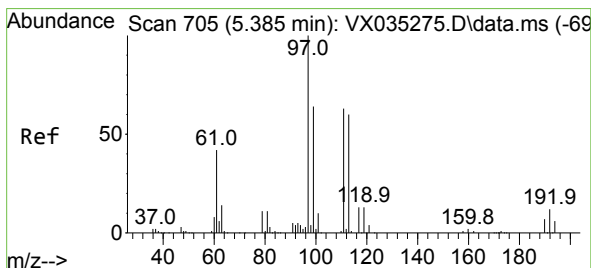
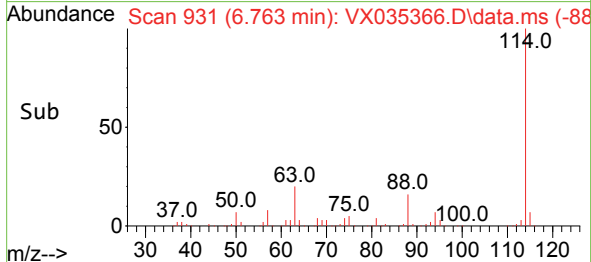
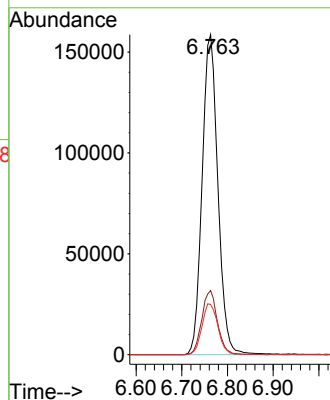
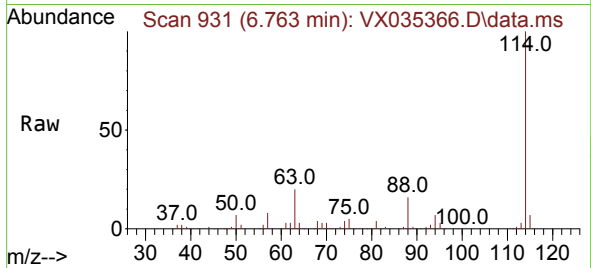




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

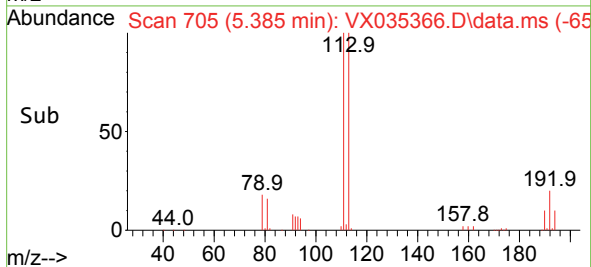
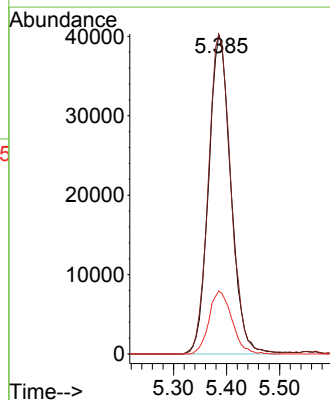
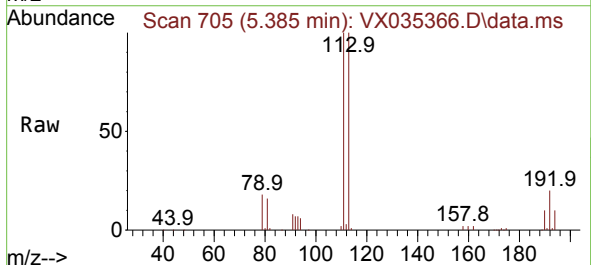
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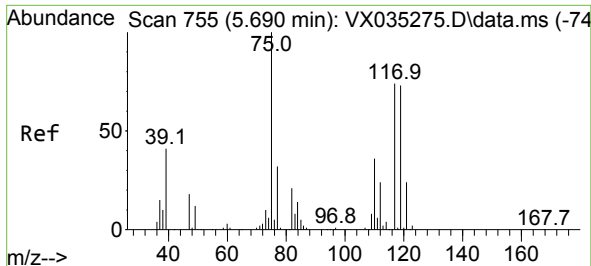
Tgt Ion:114 Resp: 380732
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.2
88 15.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.029 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

Tgt Ion:113 Resp: 116910
Ion Ratio Lower Upper
113 100
111 101.5 83.7 125.5
192 20.3 15.4 23.2

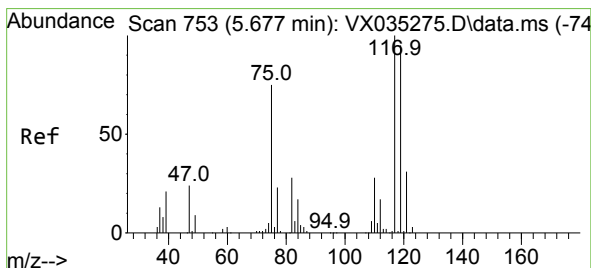
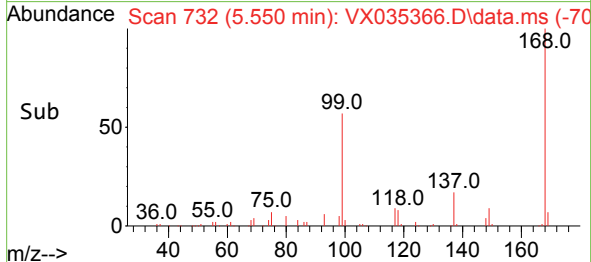
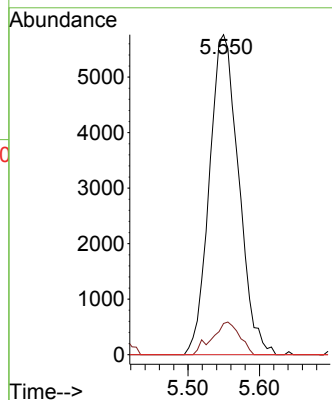
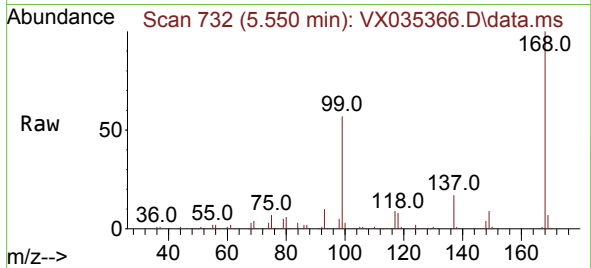




#36
 1,1-Dichloropropene
 Concen: 4.493 ug/l
 RT: 5.550 min Scan# 71
 Delta R.T. -0.140 min
 Lab File: VX035366.D
 Acq: 28 Apr 2023 05:22

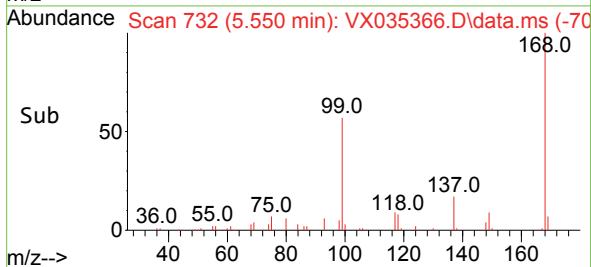
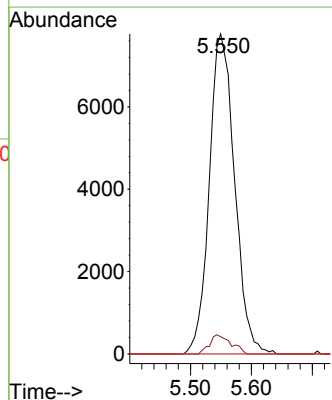
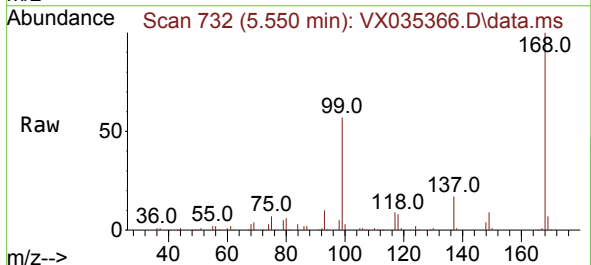
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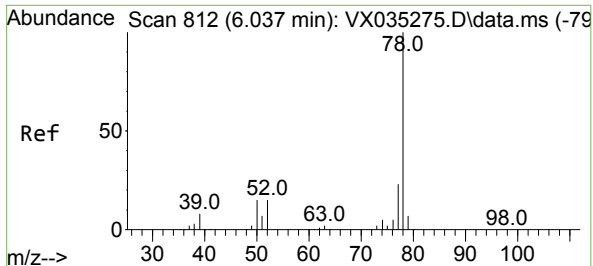
Tgt Ion: 75 Resp: 16394
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.5 52.5#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.472 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.127 min
 Lab File: VX035366.D
 Acq: 28 Apr 2023 05:22

Tgt Ion: 117 Resp: 22418
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.6 114.8#
 121 0.0 23.8 35.6#

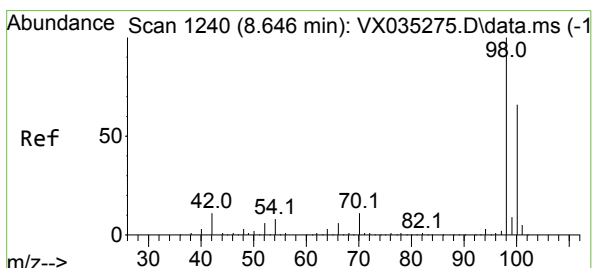
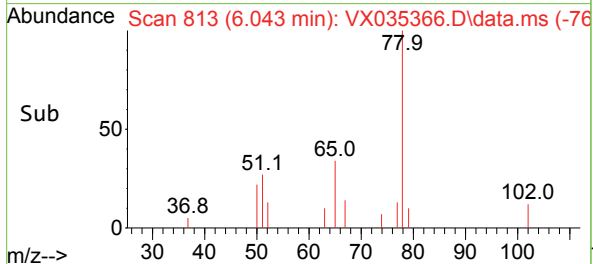
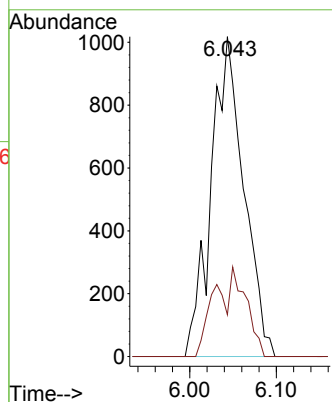
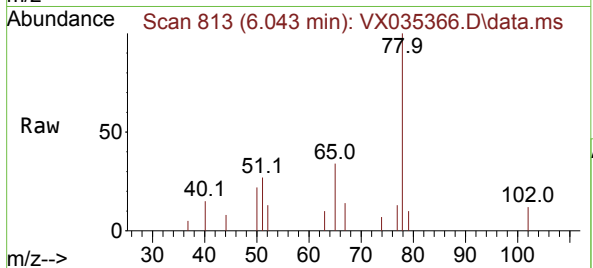




#40
Benzene
Concen: 0.255 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

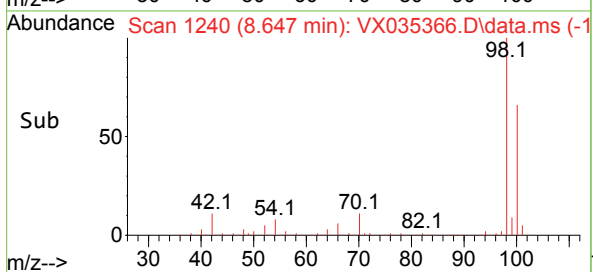
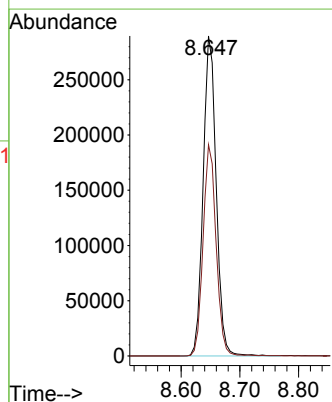
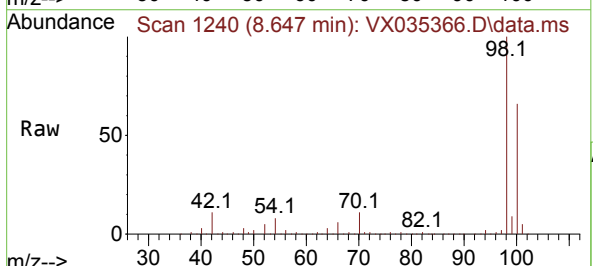
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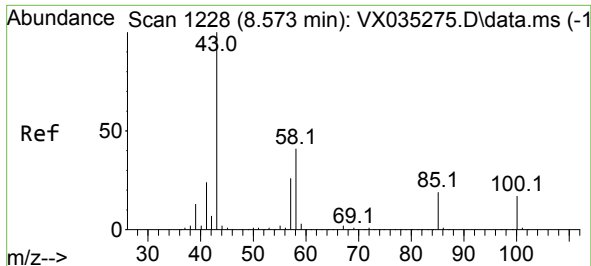
Tgt Ion: 78 Resp: 2672
Ion Ratio Lower Upper
78 100
77 13.1 19.0 28.4#



#50
Toluene-d8
Concen: 50.768 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

Tgt Ion: 98 Resp: 447533
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

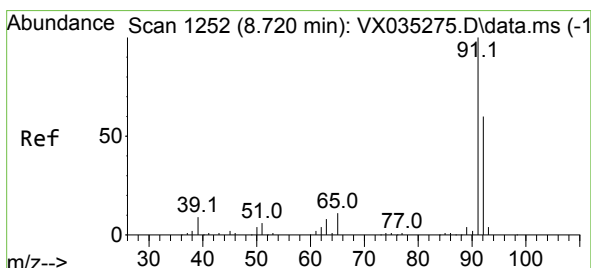
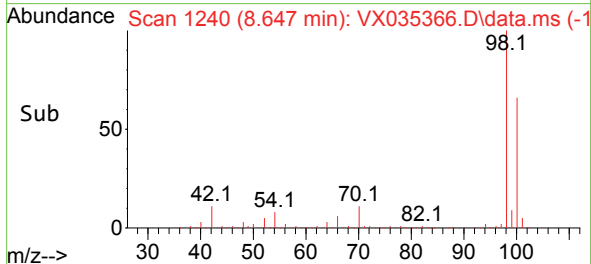
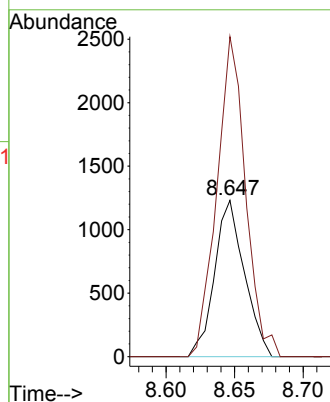
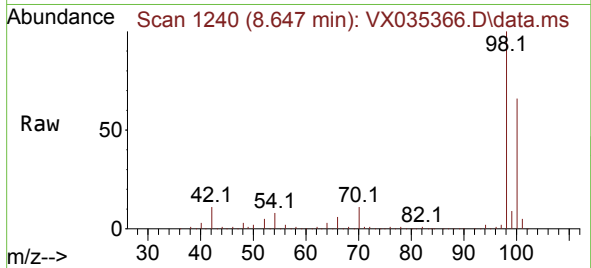




#51
4-Methyl-2-Pentanone
Concen: 0.542 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

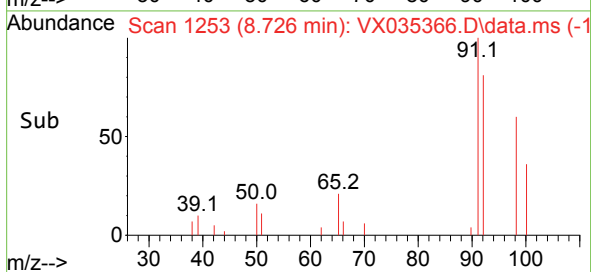
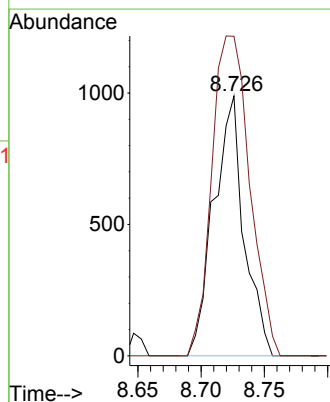
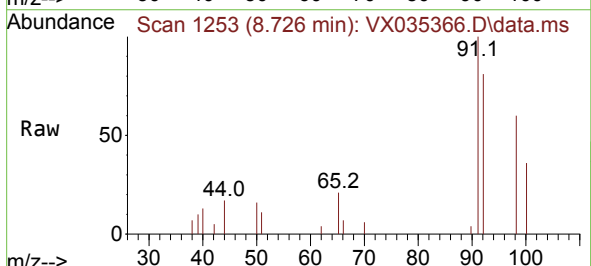
Instrument :
MSVOA_X
ClientSampleId :
MW-11

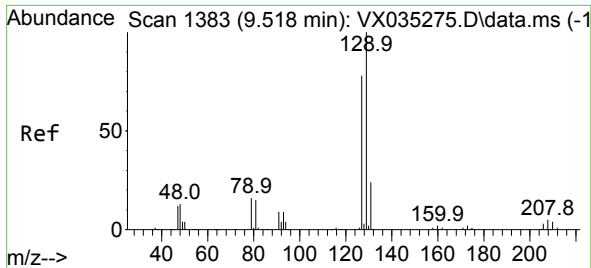
Tgt Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
58 197.0 30.6 46.0#



#52
Toluene
Concen: 0.247 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

Tgt Ion: 92 Resp: 1640
Ion Ratio Lower Upper
92 100
91 155.5 136.8 205.2

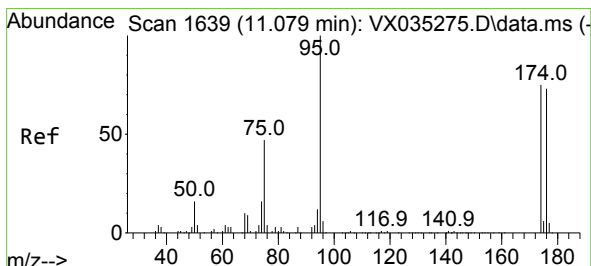
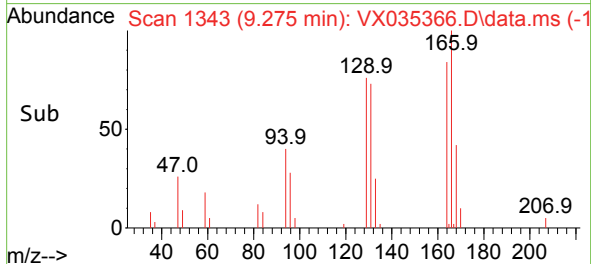
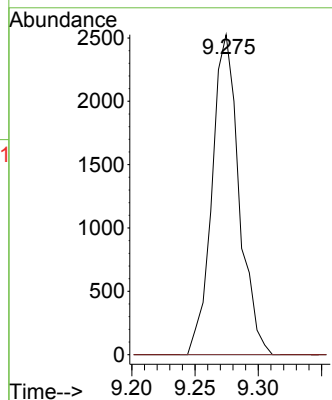
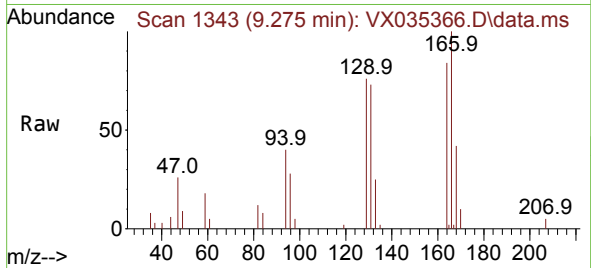




#60
Dibromochloromethane
Concen: 1.483 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.243 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

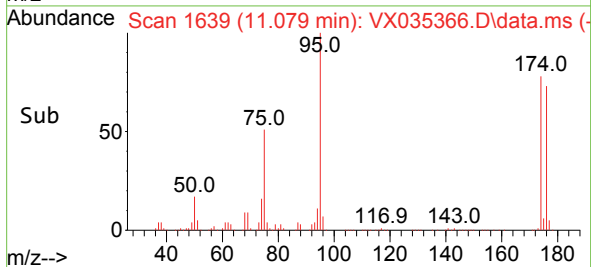
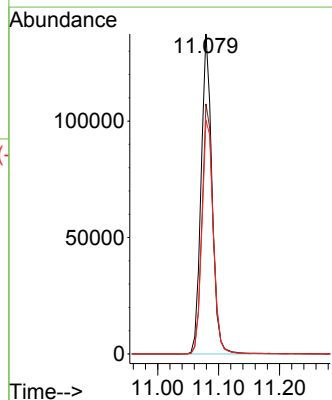
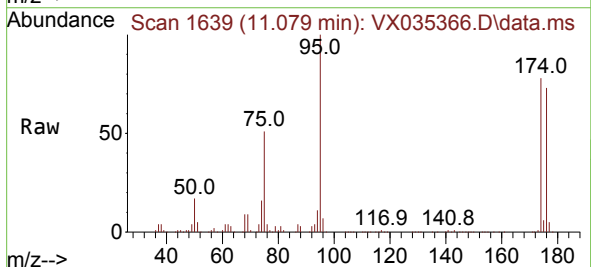
Instrument :
MSVOA_X
ClientSampleId :
MW-11

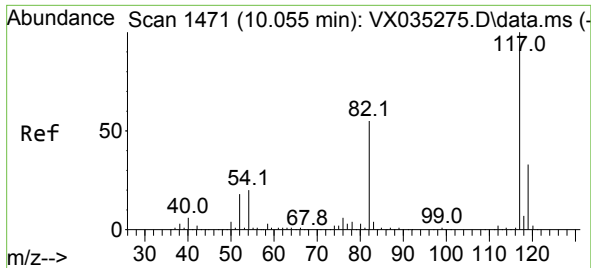
Tgt Ion:129 Resp: 3758
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 51.384 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

Tgt Ion: 95 Resp: 170396
Ion Ratio Lower Upper
95 100
174 80.1 0.0 147.4
176 76.4 0.0 140.6

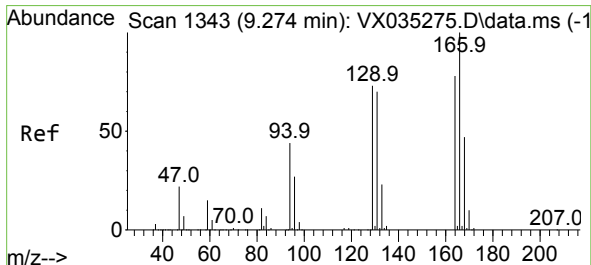
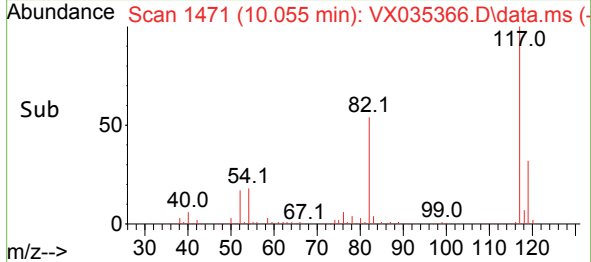
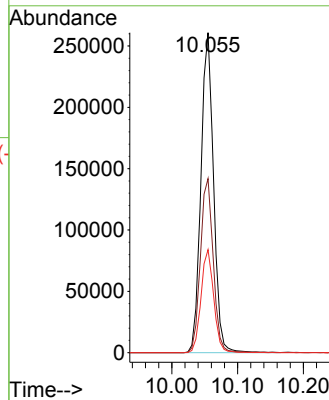
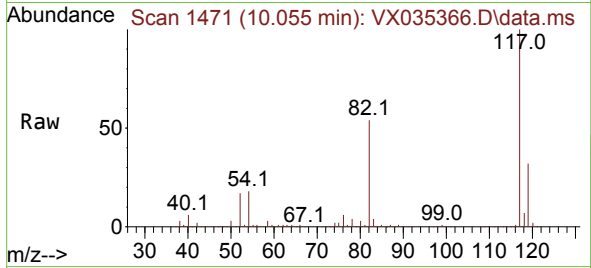




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

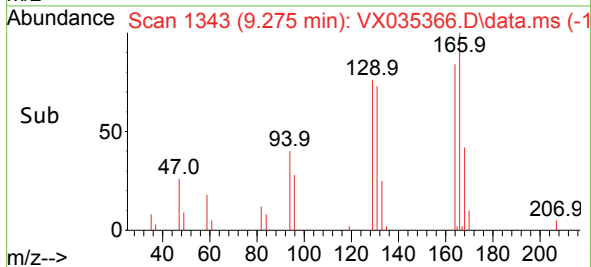
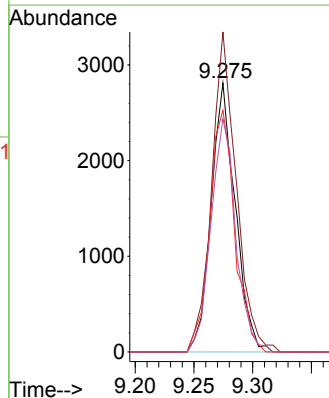
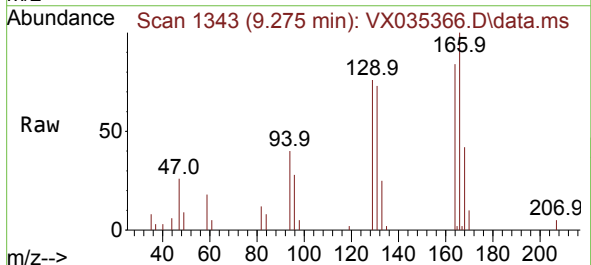
Instrument : MSVOA_X
ClientSampleId : MW-11

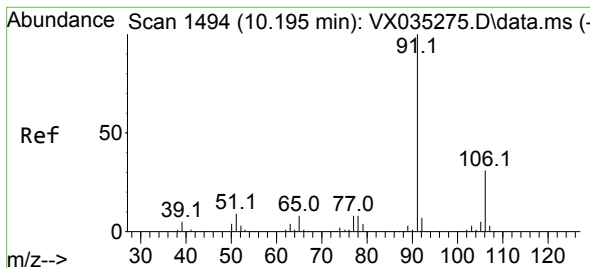
Tgt Ion:117 Resp: 347472
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.4
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 1.512 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

Tgt Ion:164 Resp: 4023
Ion Ratio Lower Upper
164 100
166 119.0 102.7 154.1
129 89.9 75.6 113.4
131 86.6 73.7 110.5





#67

Ethyl Benzene

Concen: 0.484 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX035366.D

Acq: 28 Apr 2023 05:22

Instrument :

MSVOA_X

ClientSampleId :

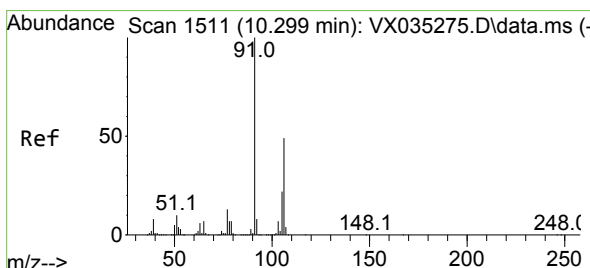
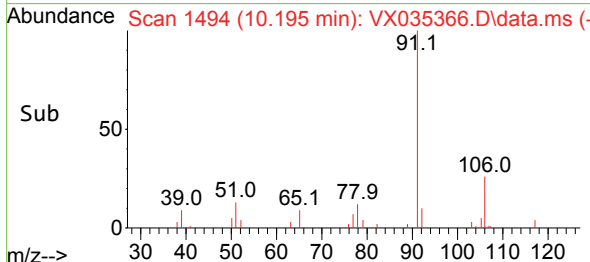
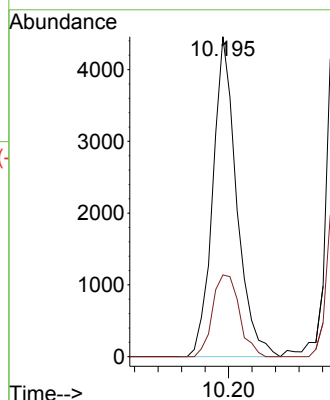
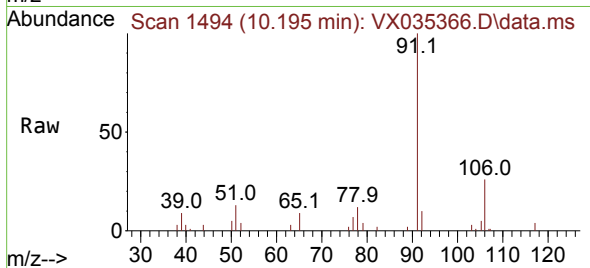
MW-11

Tgt Ion: 91 Resp: 6297

Ion Ratio Lower Upper

91 100

106 25.6 25.6 38.4#



#68

m/p-Xylenes

Concen: 2.822 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX035366.D

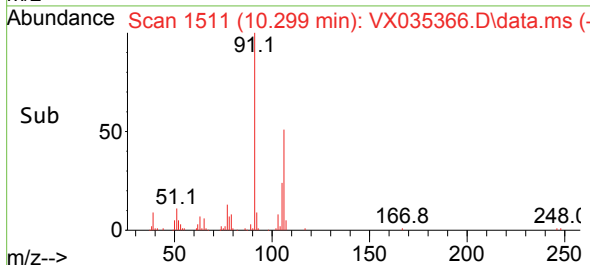
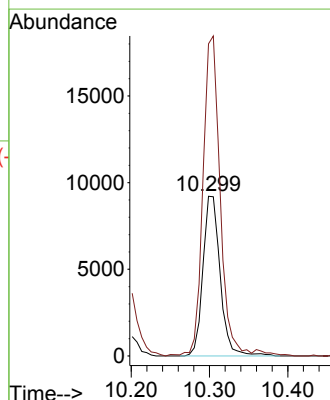
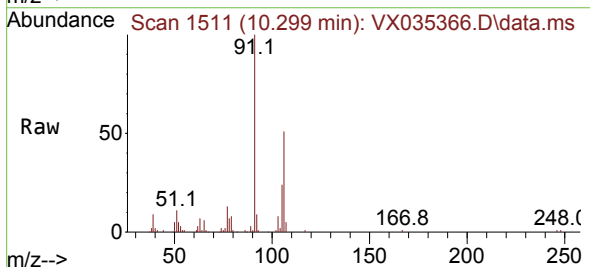
Acq: 28 Apr 2023 05:22

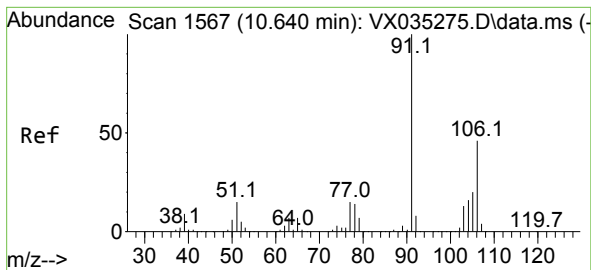
Tgt Ion: 106 Resp: 14076

Ion Ratio Lower Upper

106 100

91 198.5 164.0 246.0





#69

o-Xylene

Concen: 1.421 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035366.D

Acq: 28 Apr 2023 05:22

Instrument :

MSVOA_X

ClientSampleId :

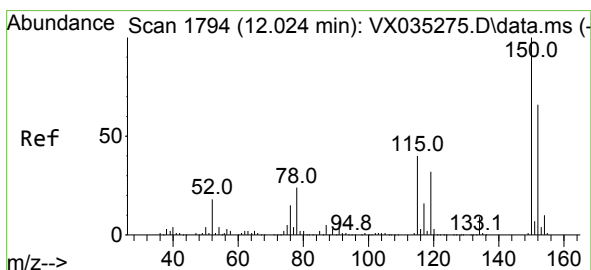
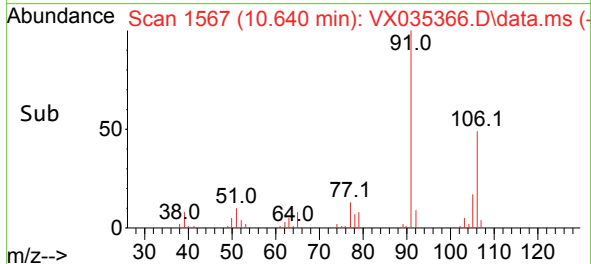
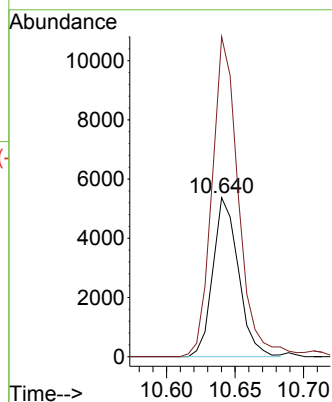
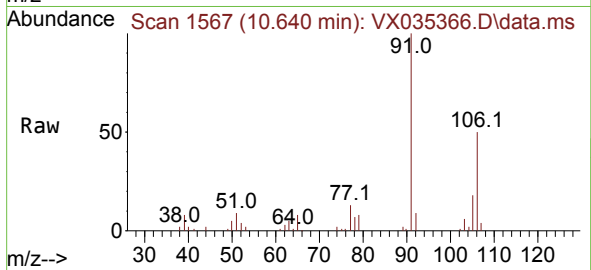
MW-11

Tgt Ion:106 Resp: 6950

Ion Ratio Lower Upper

106 100

91 208.4 108.5 325.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX035366.D

Acq: 28 Apr 2023 05:22

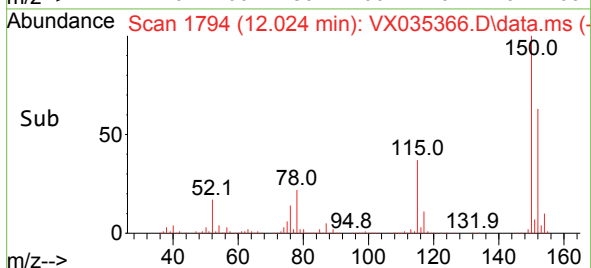
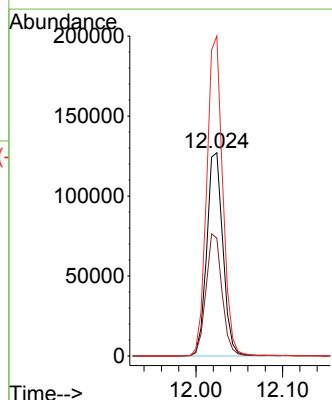
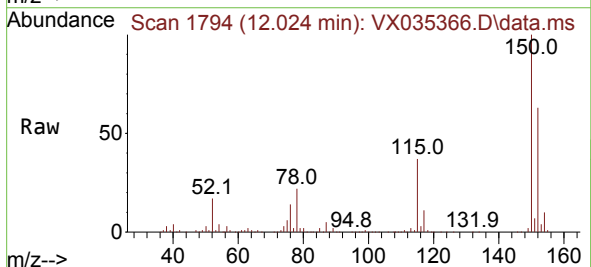
Tgt Ion:152 Resp: 164402

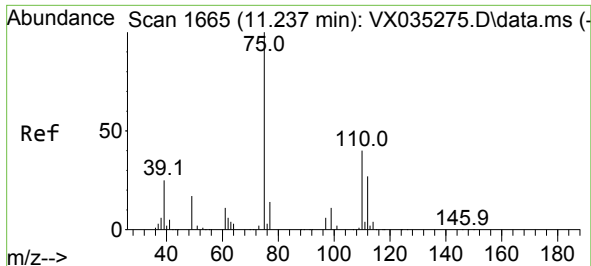
Ion Ratio Lower Upper

152 100

115 59.9 45.0 135.0

150 156.1 0.0 352.4

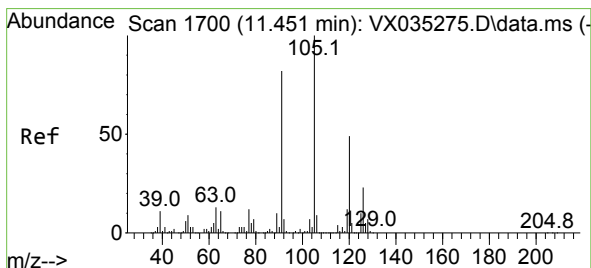
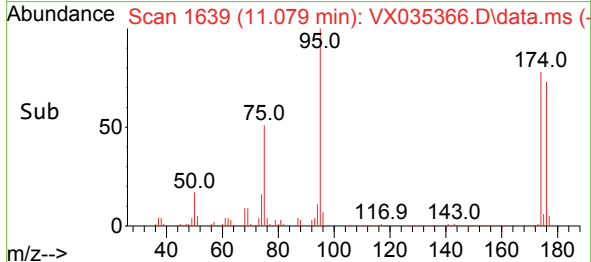
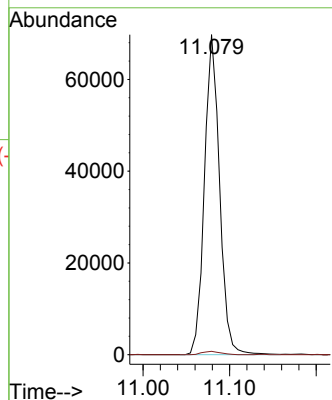
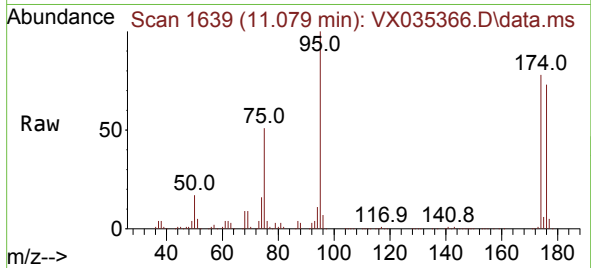




#76
1,2,3-Trichloropropane
Concen: 25.811 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

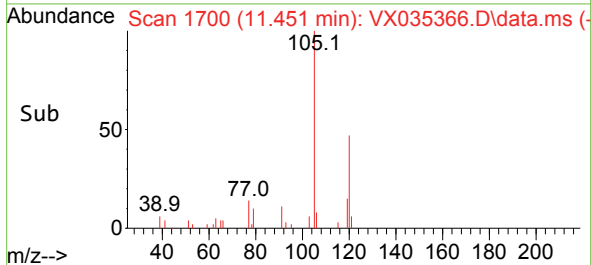
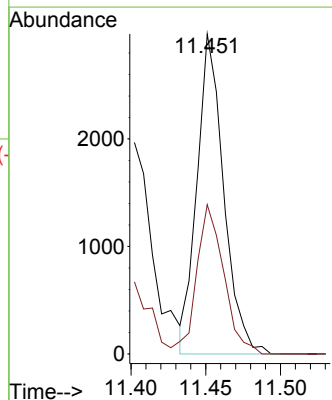
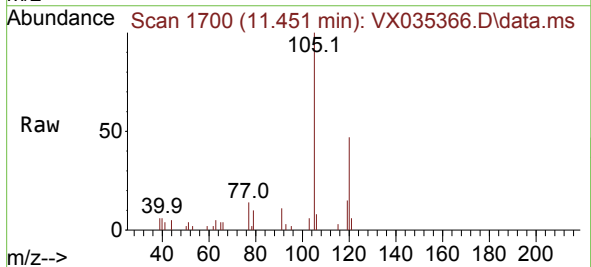
Instrument :
MSVOA_X
ClientSampleId :
MW-11

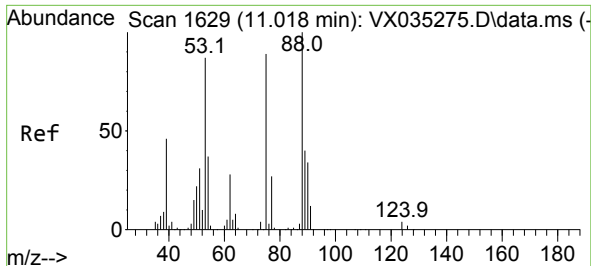
Tgt Ion: 75 Resp: 84647
Ion Ratio Lower Upper
75 100
77 1.3 21.6 64.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.363 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

Tgt Ion: 105 Resp: 3682
Ion Ratio Lower Upper
105 100
120 47.5 23.7 71.1

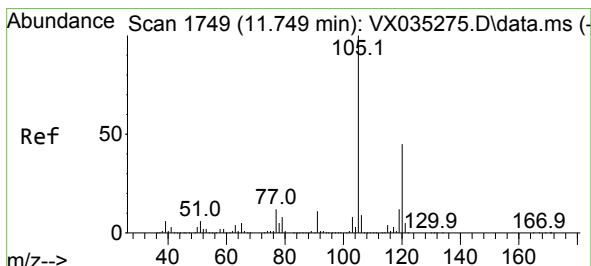
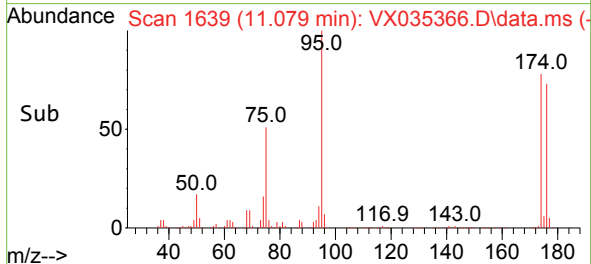
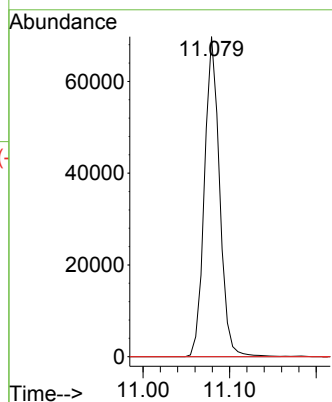
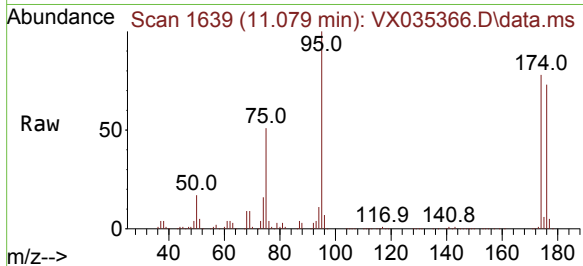




#81
trans-1,4-Dichloro-2-butene
Concen: 83.598 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

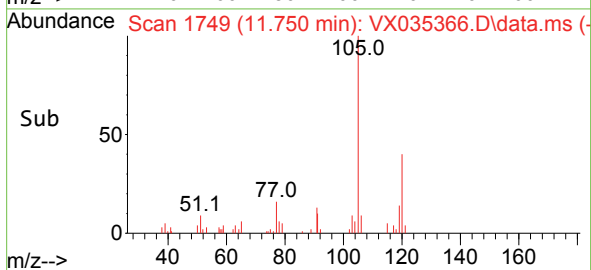
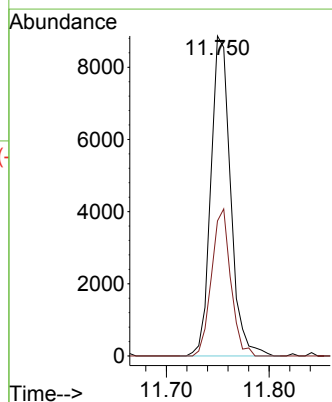
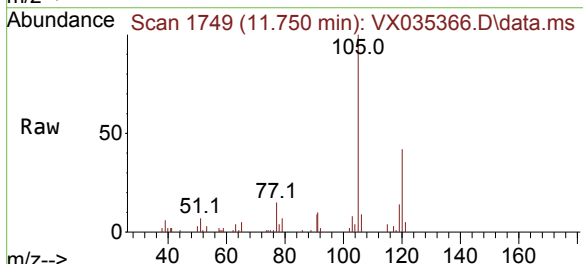
Instrument :
MSVOA_X
ClientSampleId :
MW-11

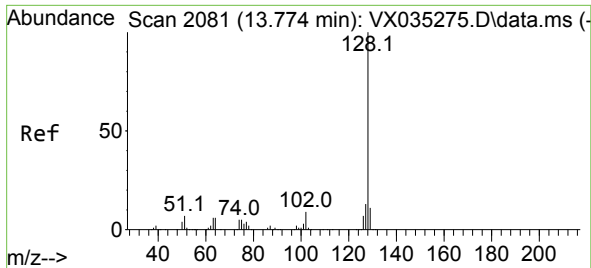
Tgt Ion: 75 Resp: 84647
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.159 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VX035366.D
Acq: 28 Apr 2023 05:22

Tgt Ion: 105 Resp: 11796
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.0





#95

Naphthalene

Concen: 0.801 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX035366.D

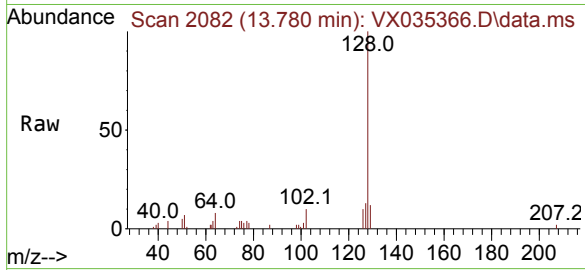
Acq: 28 Apr 2023 05:22

Instrument :

MSVOA_X

ClientSampleId :

MW-11



Tgt Ion:128 Resp: 8806

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.2 8.6 13.0

