

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101022\
 Data File : VX032018.D
 Acq On : 10 Oct 2022 17:27
 Operator : JC/MD
 Sample : N4937-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104S

Quant Time: Oct 11 05:59:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

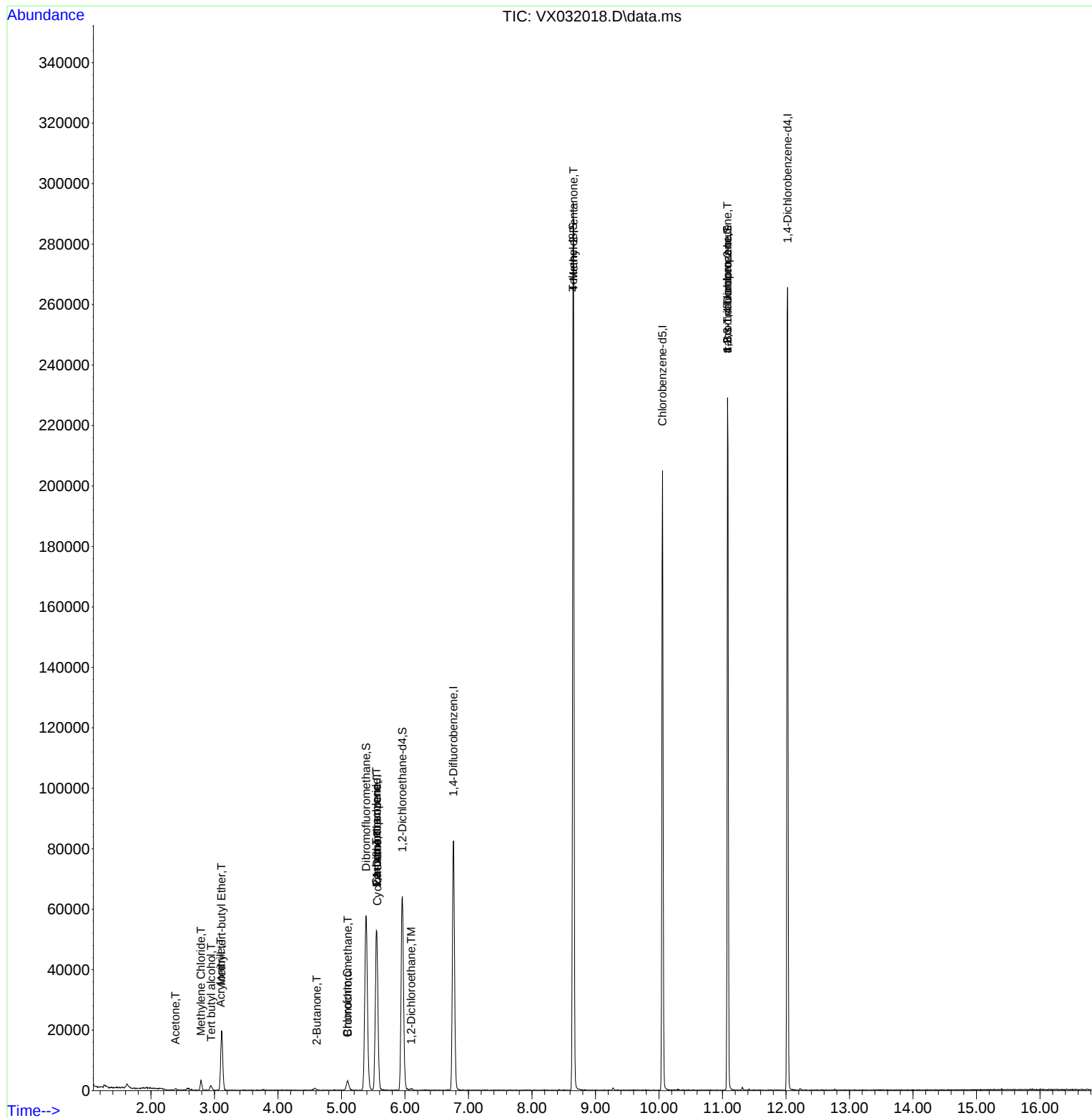
Internal Standards						
1) Pentafluorobenzene	5.556	168	49443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	84775	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	91202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61806	60.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.060%			
35) Dibromofluoromethane	5.385	113	50101	52.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.420%			
50) Toluene-d8	8.647	98	171186	49.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.160%			
62) 4-Bromofluorobenzene	11.079	95	58521	47.939	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.880%			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	309	Below Cal		83
11) Tert butyl alcohol	2.947	59	999	7.864 ug/l #		73
15) Acrylonitrile	3.099	53	271	0.669 ug/l #		16
16) Acetone	2.386	43	681	1.962 ug/l #		83
19) Methyl tert-butyl Ether	3.111	73	21096	8.347 ug/l		94
20) Methylene Chloride	2.788	84	1467	1.609 ug/l		88
25) 2-Butanone	4.611	43	135	0.249 ug/l #		49
28) Bromochloromethane	5.099	49	165	0.267 ug/l #		15
30) Chloroform	5.093	83	3669	2.281 ug/l		89
31) Cyclohexane	5.562	56	1244	1.020 ug/l #		17
36) 1,1-Dichloropropene	5.556	75	4085	3.210 ug/l #		50
38) Carbon Tetrachloride	5.550	117	5404	4.153 ug/l #		17
42) 1,2-Dichloroethane	6.099	62	603	0.444 ug/l #		75
51) 4-Methyl-2-Pentanone	8.653	43	765	0.635 ug/l #		1
76) 1,2,3-Trichloropropane	11.079	75	31096	27.628 ug/l #		36
81) trans-1,4-Dichloro-2-b...	11.079	75	31096	94.584 ug/l #		11

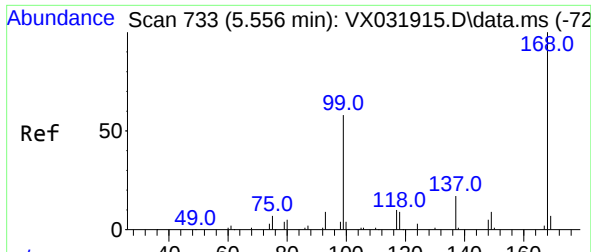
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 11 05:59:55 2022
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Response via : Initial Calibration

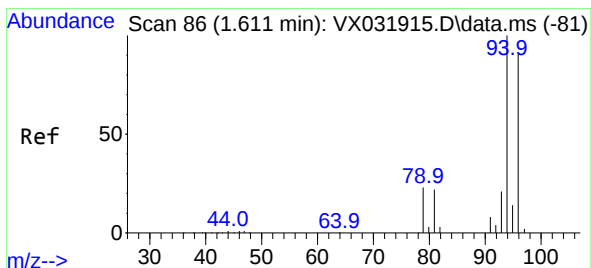
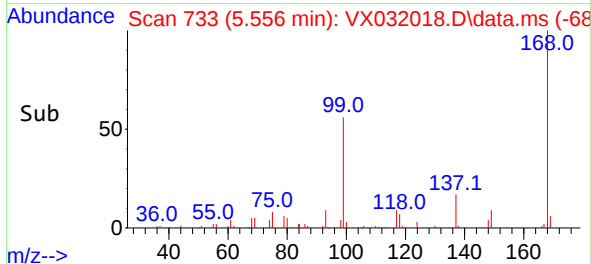
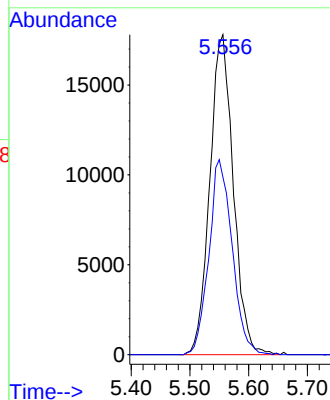
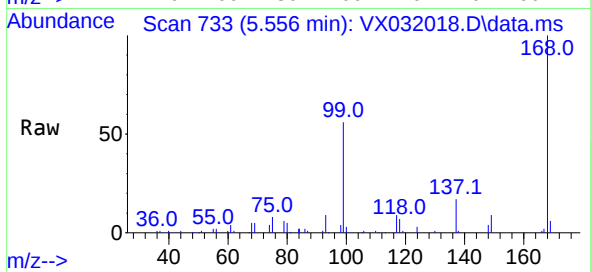




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

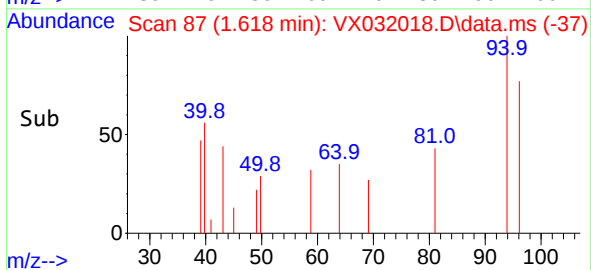
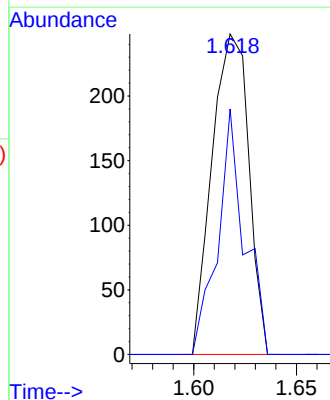
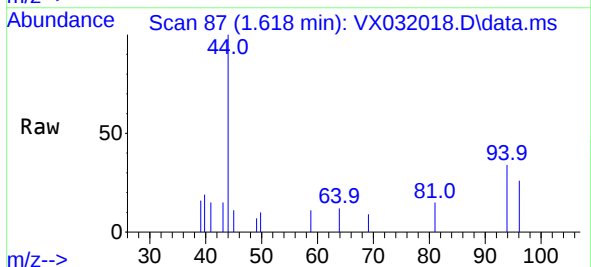
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

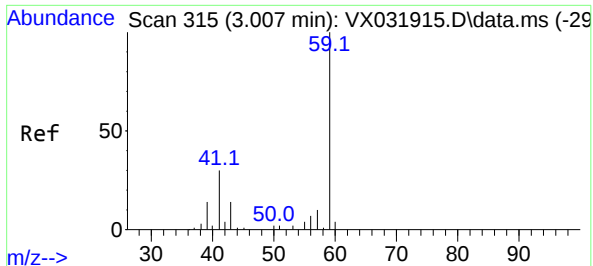
Tgt Ion:168 Resp: 49443
Ion Ratio Lower Upper
168 100
99 55.5 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Tgt Ion: 94 Resp: 309
Ion Ratio Lower Upper
94 100
96 76.6 74.4 111.6

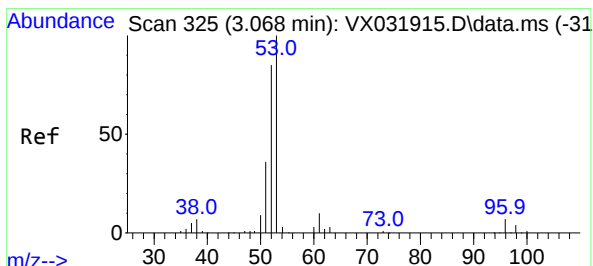
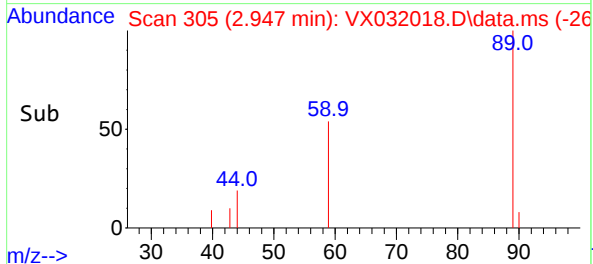
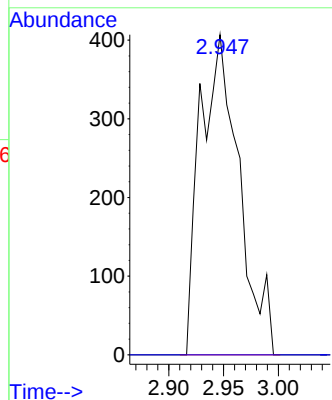
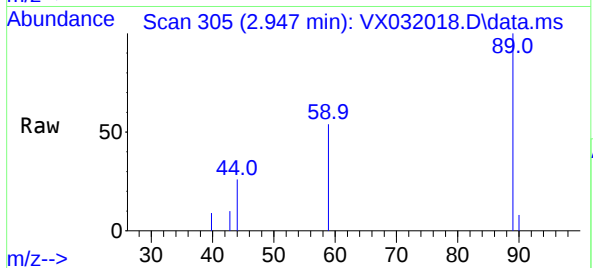




#11
Tert butyl alcohol
Concen: 7.864 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.060 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

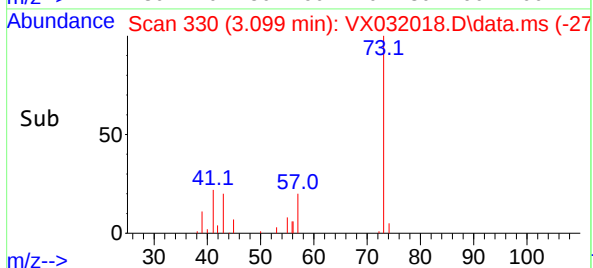
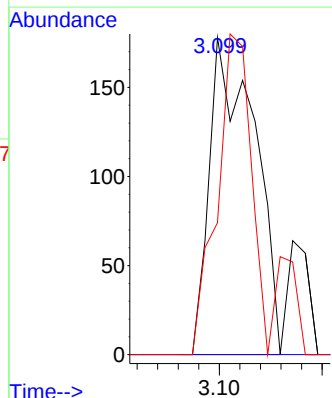
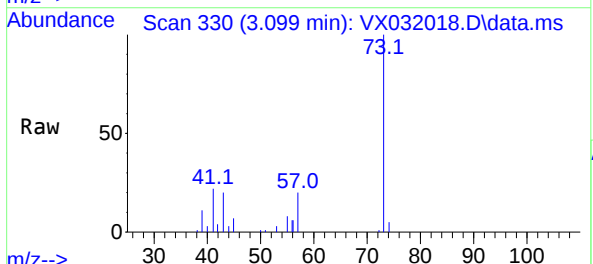
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

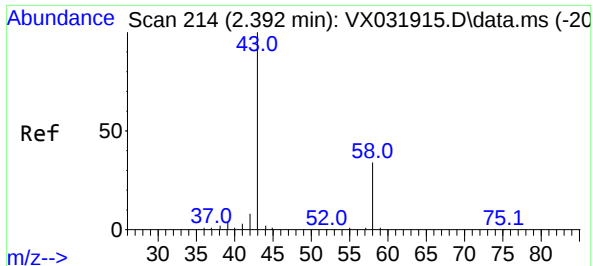
Tgt Ion: 59 Resp: 999
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#15
Acrylonitrile
Concen: 0.669 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.031 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Tgt Ion: 53 Resp: 271
Ion Ratio Lower Upper
53 100
52 0.0 66.9 100.3#
51 76.4 30.0 45.0#

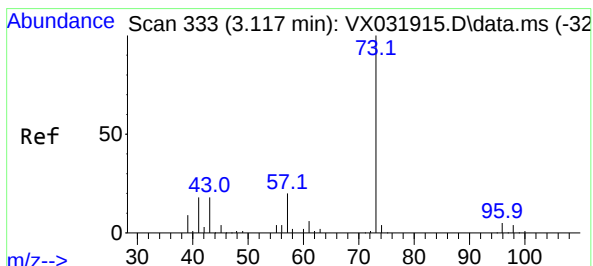
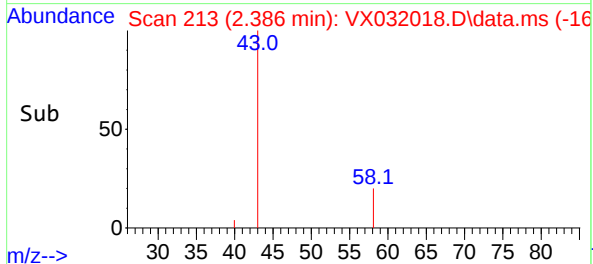
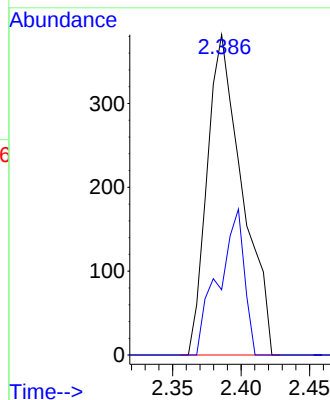
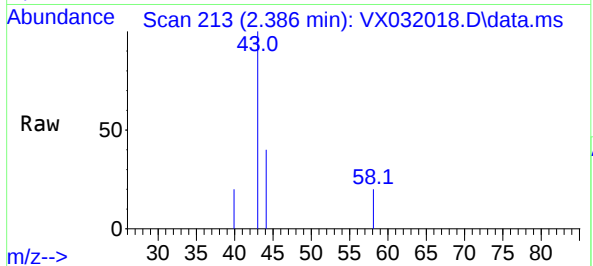




#16
Acetone
Concen: 1.962 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

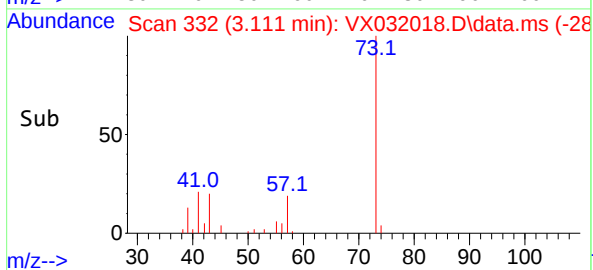
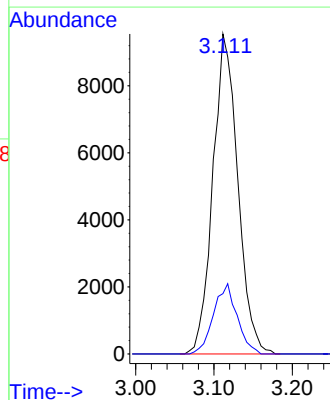
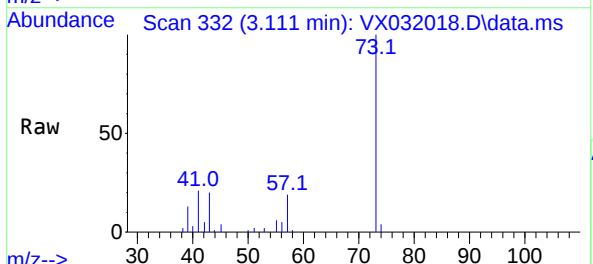
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

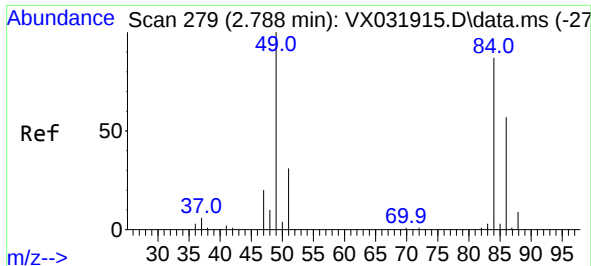
Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
58 20.4 23.8 35.8#



#19
Methyl tert-butyl Ether
Concen: 8.347 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Tgt Ion: 73 Resp: 21096
Ion Ratio Lower Upper
73 100
57 18.9 17.2 25.8



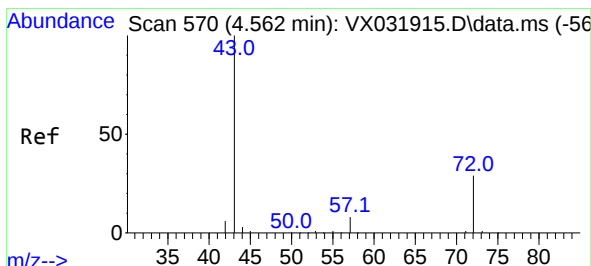
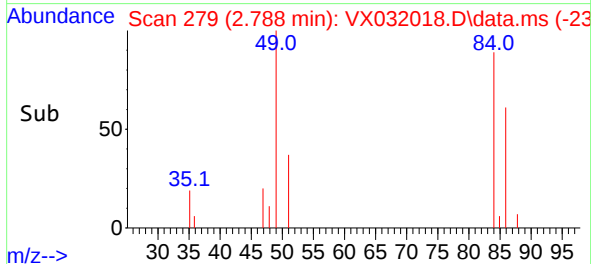
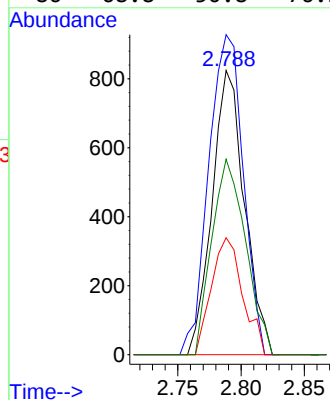
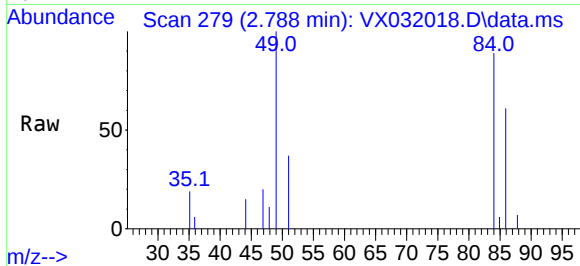


#20
Methylene Chloride
Concen: 1.609 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Instrument :
MSVOA_X
ClientSampleId :
MW-104S

Tgt Ion: 84 Resp: 1467

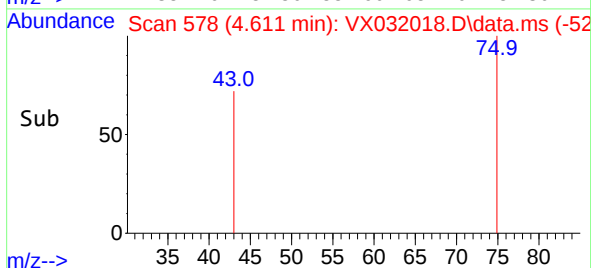
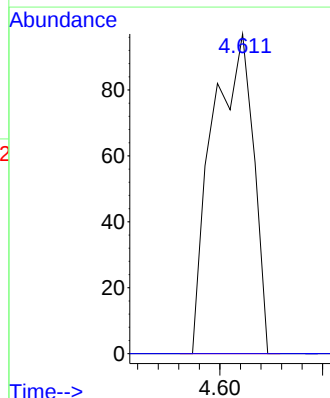
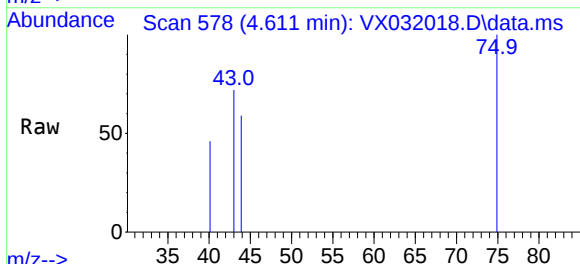
Ion	Ratio	Lower	Upper
84	100		
49	112.6	105.9	158.9
51	41.1	32.2	48.2
86	68.8	50.8	76.2

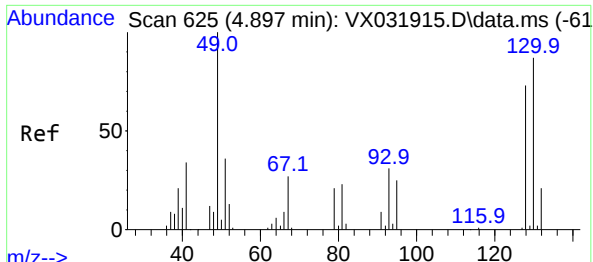


#25
2-Butanone
Concen: 0.249 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.049 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Tgt Ion: 43 Resp: 135

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#

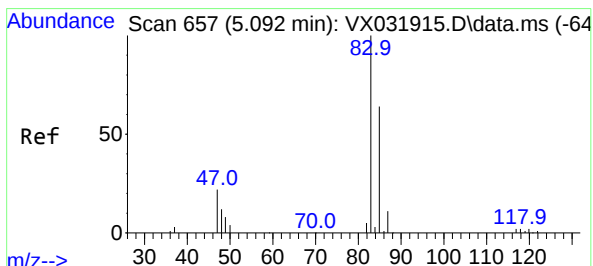
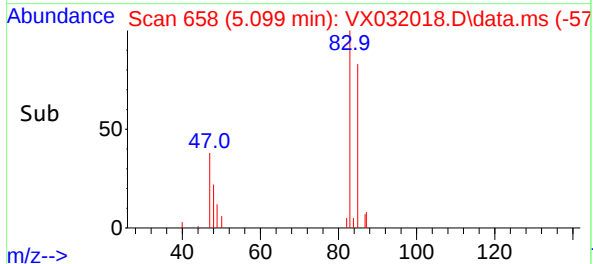
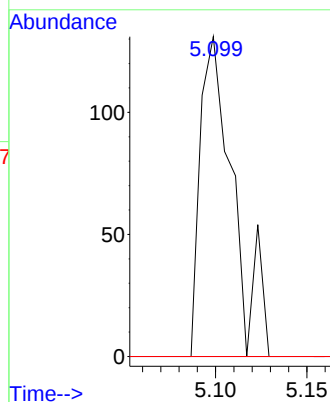
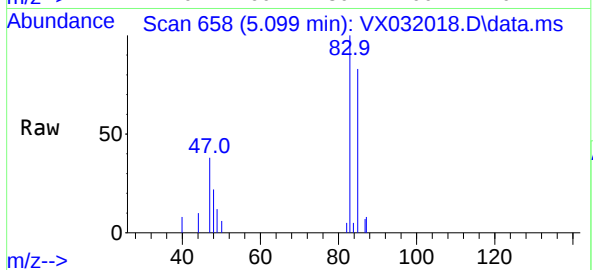




#28
Bromochloromethane
Concen: 0.267 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.202 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

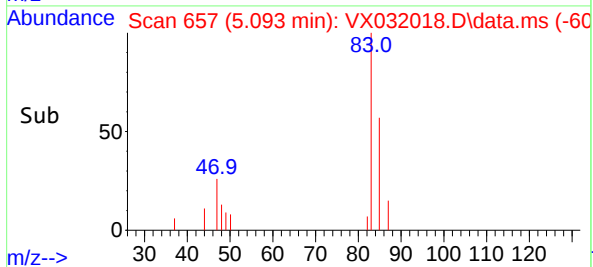
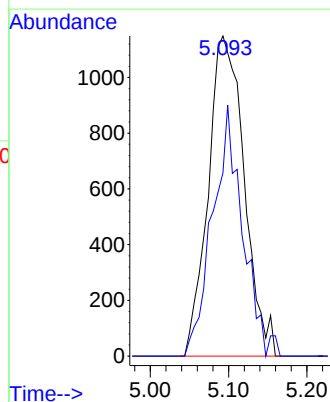
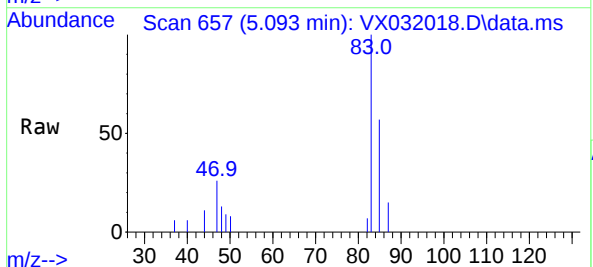
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

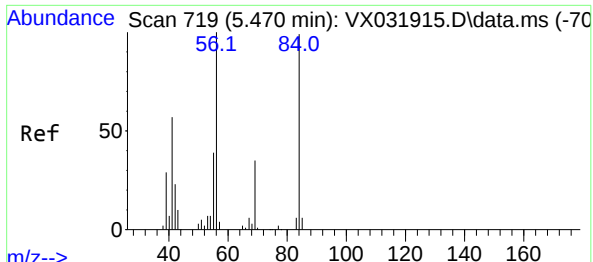
Tgt Ion: 49 Resp: 165
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.0 88.4#



#30
Chloroform
Concen: 2.281 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.001 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

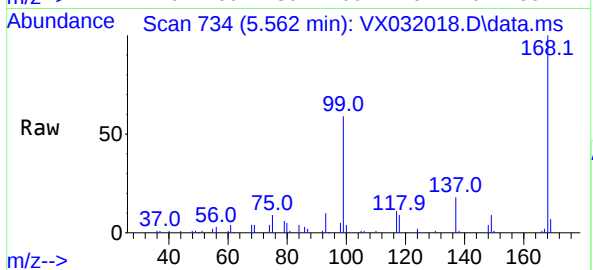
Tgt Ion: 83 Resp: 3669
Ion Ratio Lower Upper
83 100
85 57.2 52.8 79.2



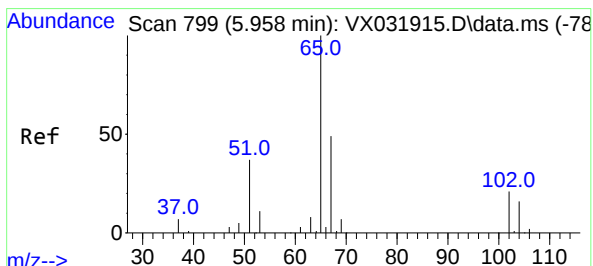
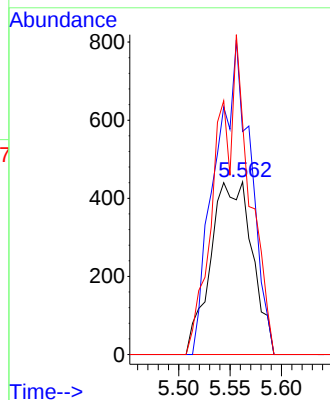
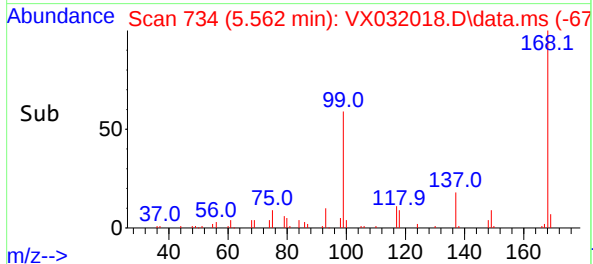


#31
Cyclohexane
Concen: 1.020 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Instrument :
MSVOA_X
ClientSampleId :
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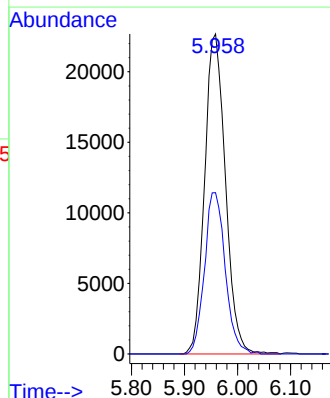
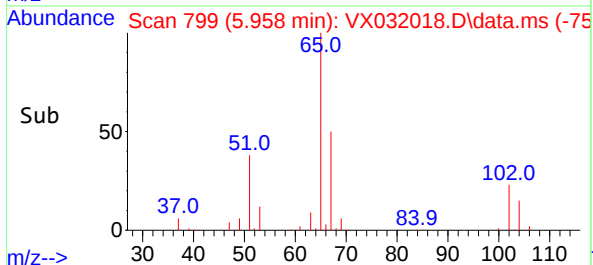
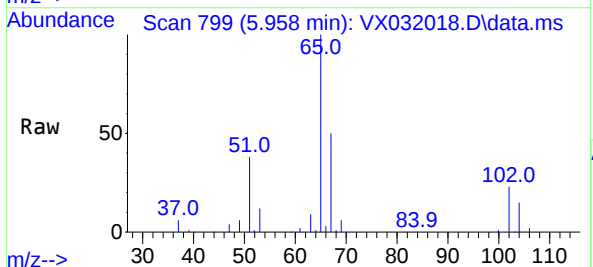


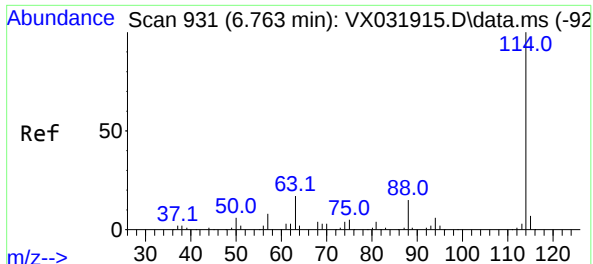
Tgt Ion: 56 Resp: 1244
Ion Ratio Lower Upper
56 100
69 129.2 25.1 37.7#
84 134.2 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 60.529 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Tgt Ion: 65 Resp: 61806
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX032018.D

Acq: 10 Oct 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

MW-104S

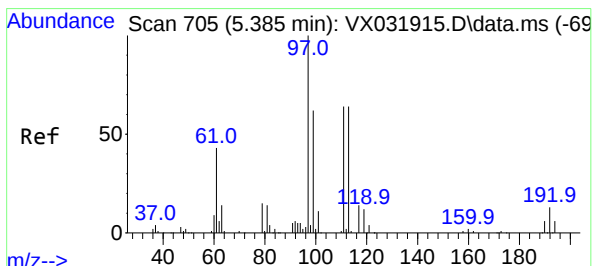
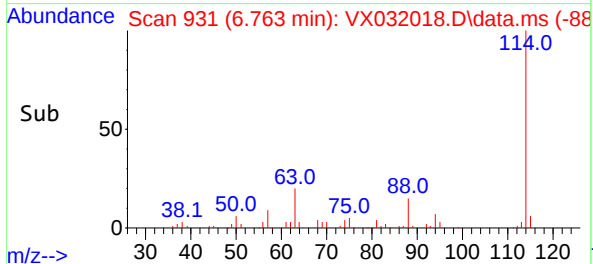
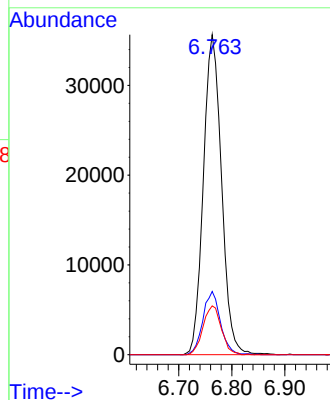
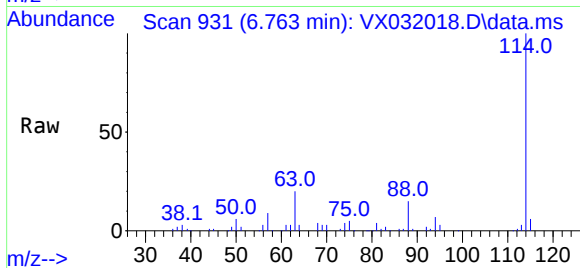
Tgt Ion:114 Resp: 84775

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 15.2 0.0 33.0



#35

Dibromofluoromethane

Concen: 52.210 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032018.D

Acq: 10 Oct 2022 17:27

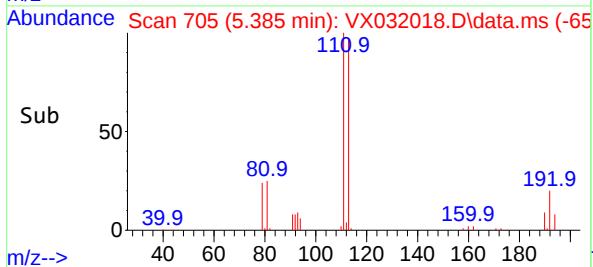
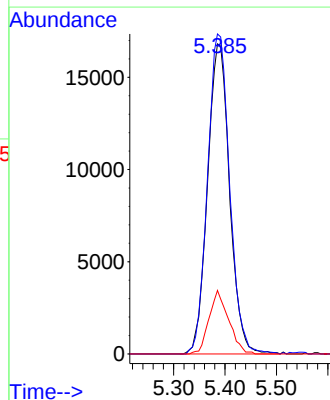
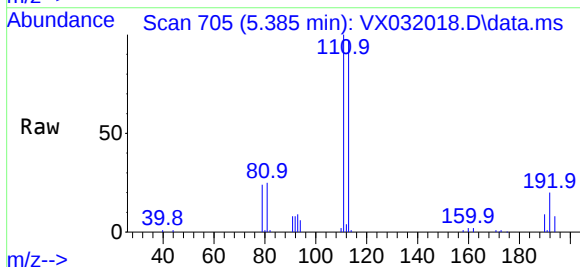
Tgt Ion:113 Resp: 50101

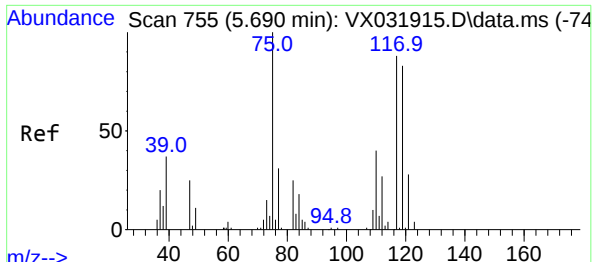
Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

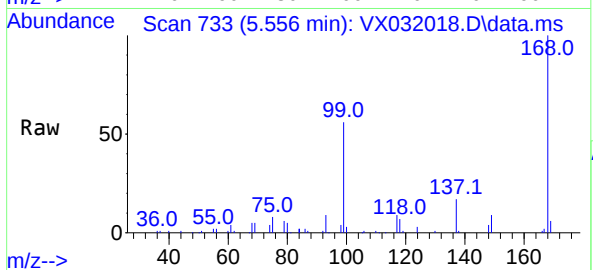
192 18.2 14.1 21.1



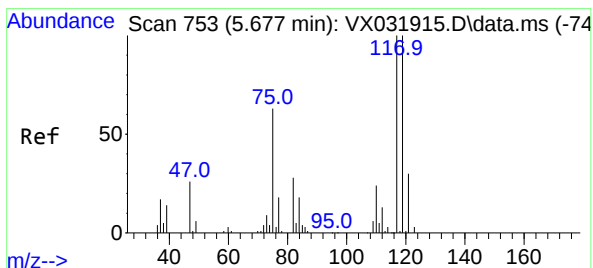
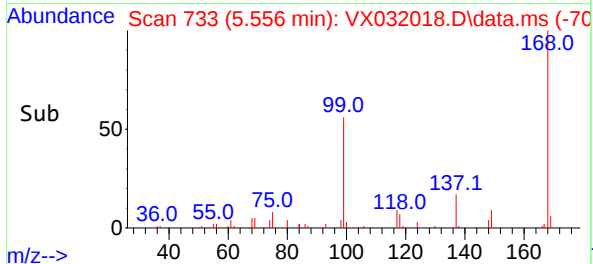
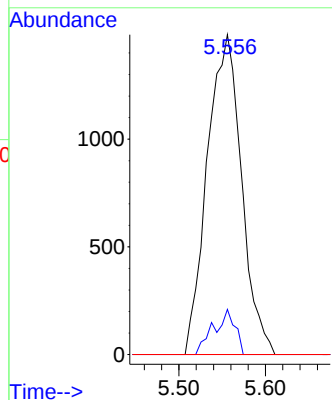


#36
1,1-Dichloropropene
Concen: 3.210 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Instrument :
MSVOA_X
ClientSampleId :
MW-104S

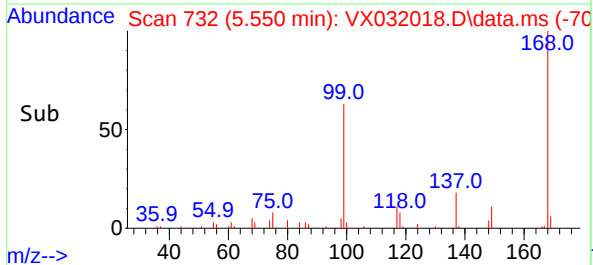
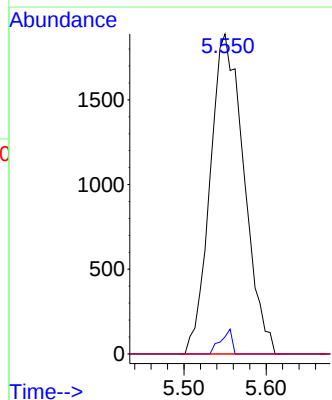
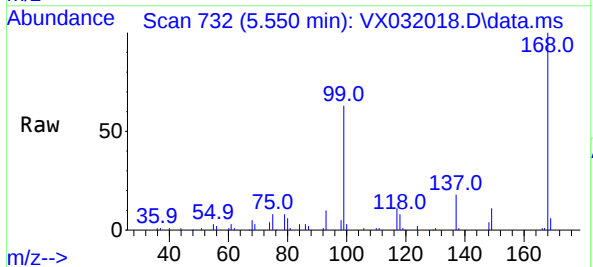


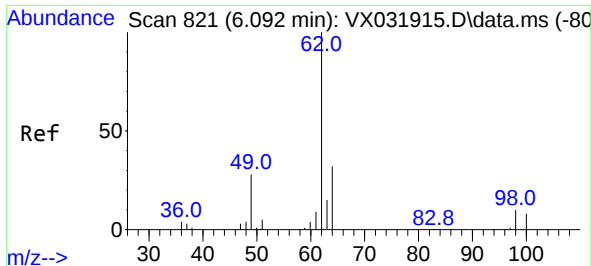
Tgt Ion: 75 Resp: 4085
Ion Ratio Lower Upper
75 100
110 8.9 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.153 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Tgt Ion: 117 Resp: 5404
Ion Ratio Lower Upper
117 100
119 5.3 74.6 112.0#
121 0.0 25.3 37.9#





#42

1,2-Dichloroethane

Concen: 0.444 ug/l

RT: 6.099 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX032018.D

Acq: 10 Oct 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

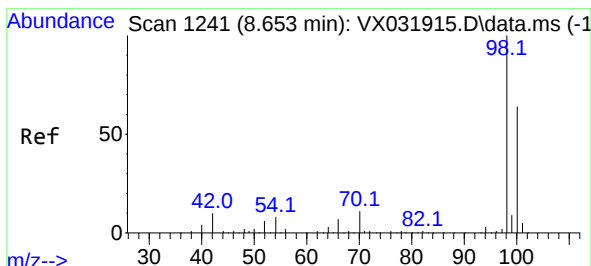
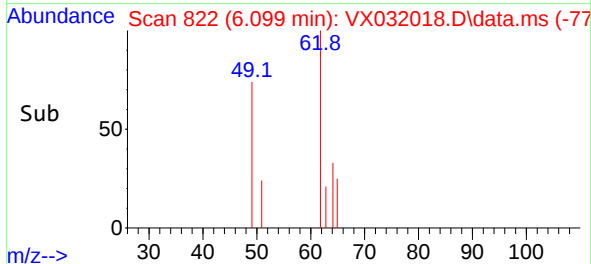
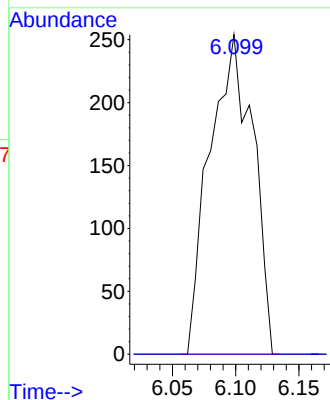
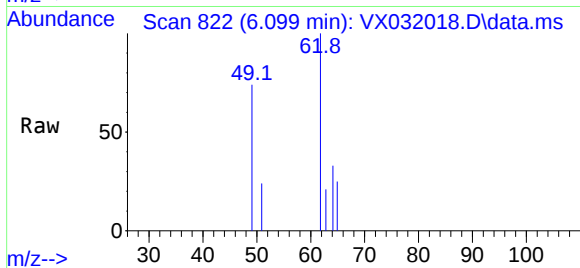
MW-104S

Tgt Ion: 62 Resp: 603

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.8



#50

Toluene-d8

Concen: 49.576 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032018.D

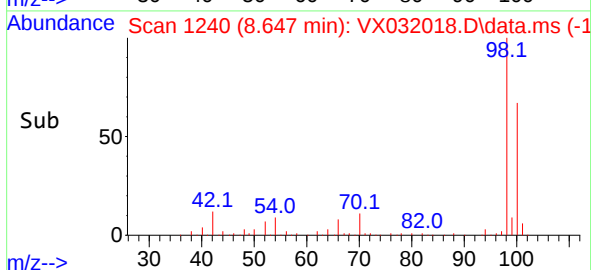
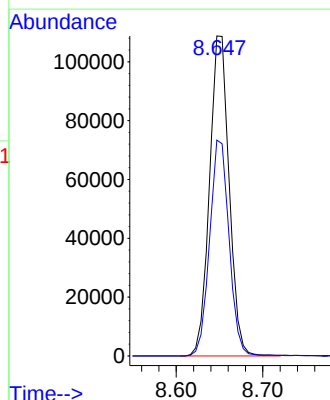
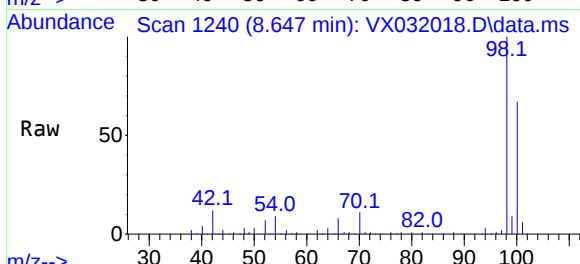
Acq: 10 Oct 2022 17:27

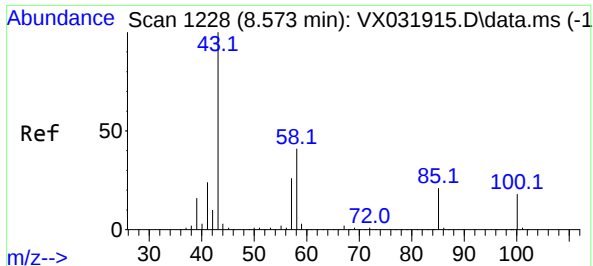
Tgt Ion: 98 Resp: 171186

Ion Ratio Lower Upper

98 100

100 66.6 52.5 78.7

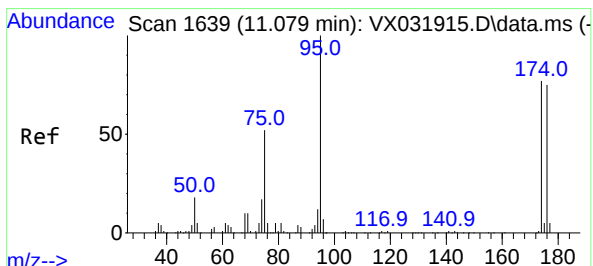
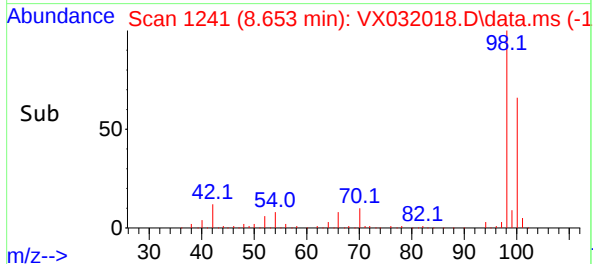
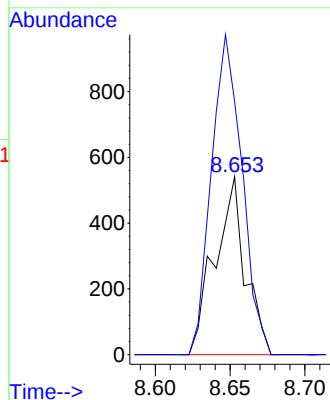
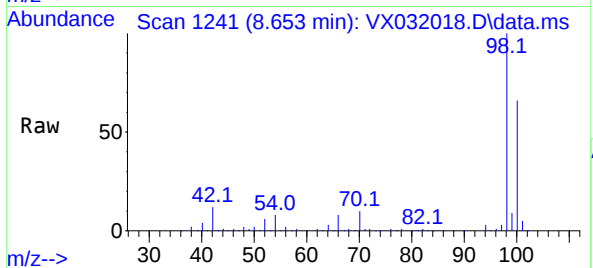




#51
4-Methyl-2-Pentanone
Concen: 0.635 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.080 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

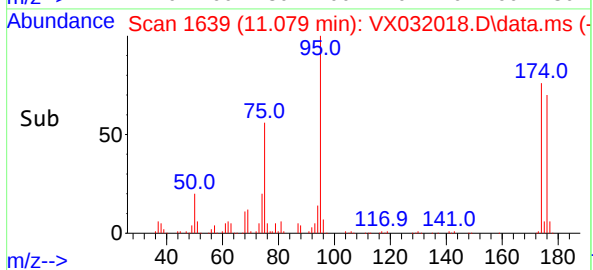
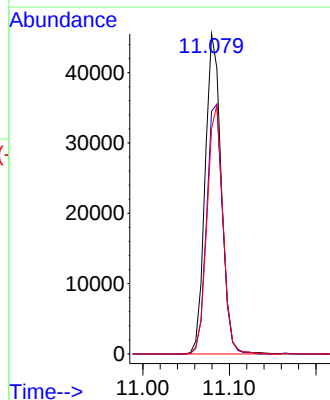
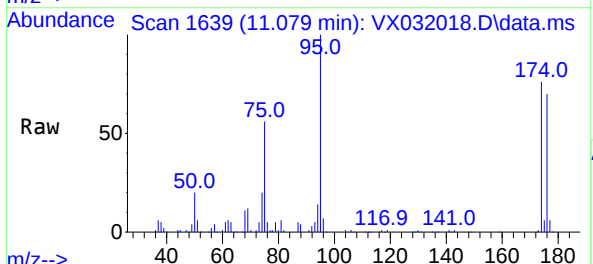
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

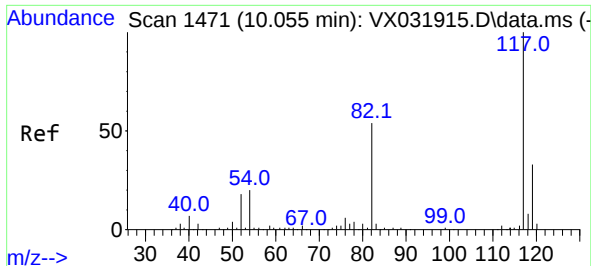
Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
58 181.4 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 47.939 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Tgt Ion: 95 Resp: 58521
Ion Ratio Lower Upper
95 100
174 78.5 0.0 153.2
176 76.6 0.0 144.0

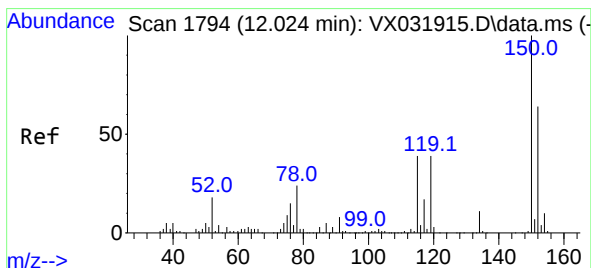
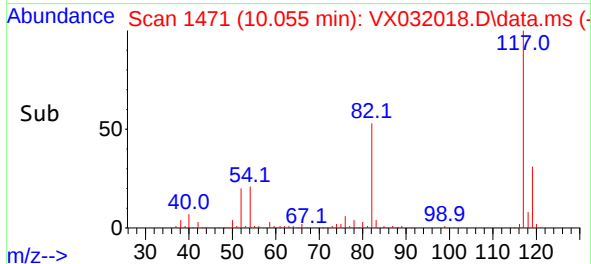
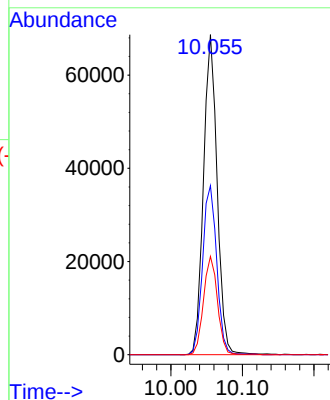
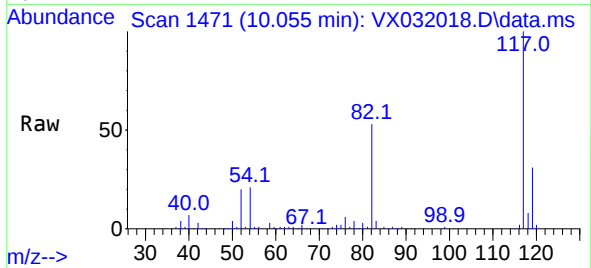




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

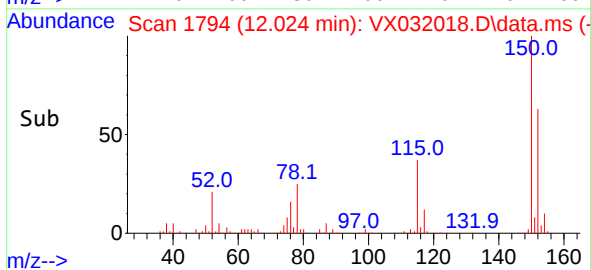
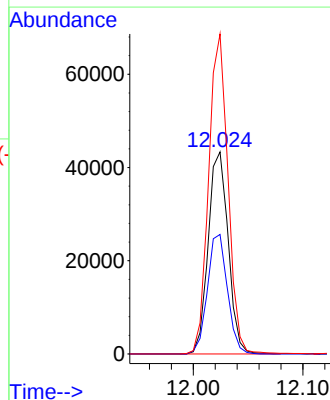
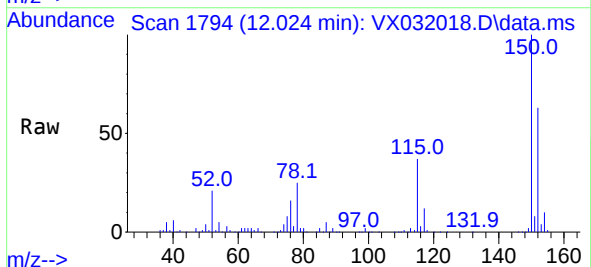
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

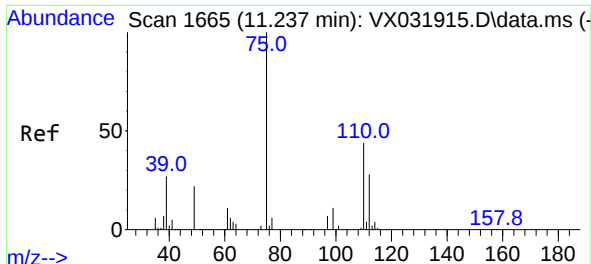
Tgt Ion:117 Resp: 91202
Ion Ratio Lower Upper
117 100
82 52.8 46.8 70.2
119 30.7 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Tgt Ion:152 Resp: 54918
Ion Ratio Lower Upper
152 100
115 59.1 43.4 130.1
150 153.4 0.0 346.8

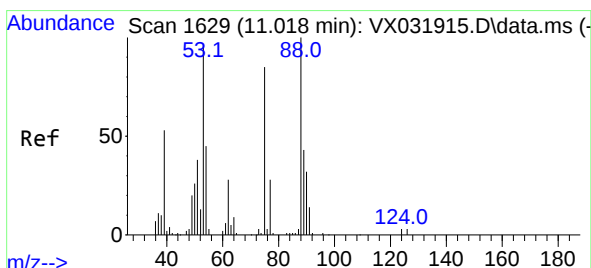
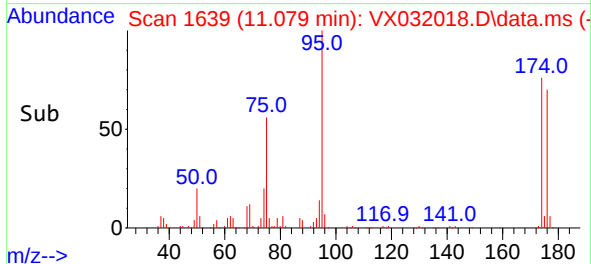
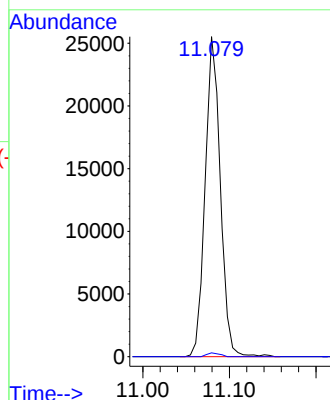
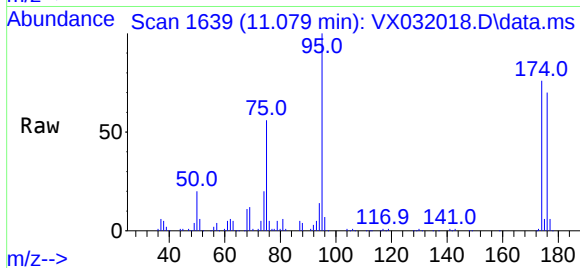




#76
1,2,3-Trichloropropane
Concen: 27.628 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Instrument :
MSVOA_X
ClientSampleId :
MW-104S

Tgt Ion: 75 Resp: 31096
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.584 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032018.D
Acq: 10 Oct 2022 17:27

Tgt Ion: 75 Resp: 31096
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

