

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030832.D
 Acq On : 26 Aug 2022 18:13
 Operator : JC/MD
 Sample : N4262-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101I

Quant Time: Aug 27 02:41:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

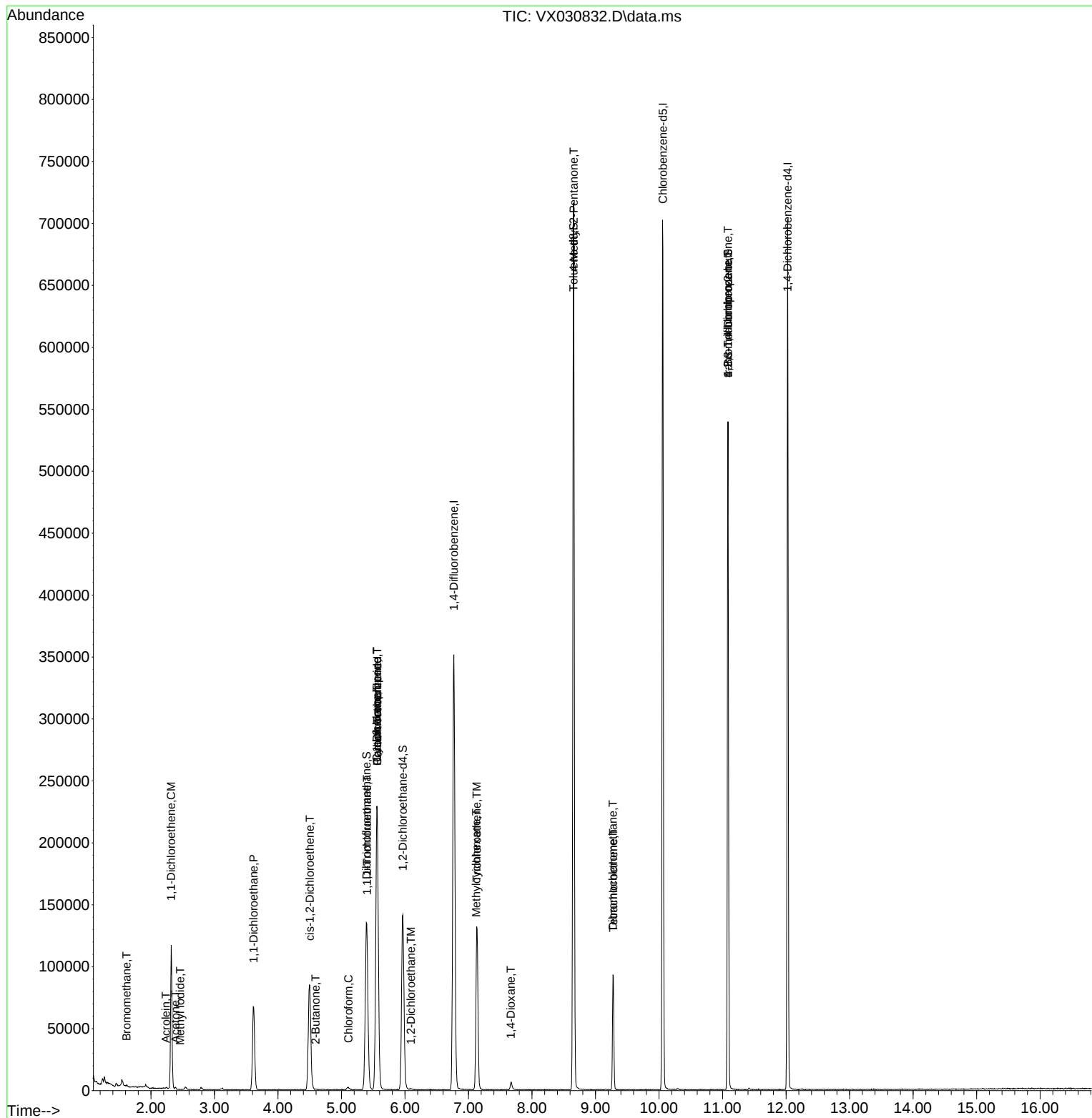
Internal Standards						
1) Pentafluorobenzene	5.562	168	215868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362261	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	327474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	137429	54.123	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.240%			
35) Dibromofluoromethane	5.397	113	115176	51.732	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.460%			
50) Toluene-d8	8.652	98	429091	55.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.620%			
62) 4-Bromofluorobenzene	11.085	95	140985	48.811	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.620%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	181	Below Cal	#	42
4) Vinyl Chloride	1.367	62	60	Below Cal	#	1
5) Bromomethane	1.617	94	274	0.272	ug/l #	73
6) Chloroethane	1.672	64	57	Below Cal	#	41
10) Methyl Iodide	2.458	142	67	4.065	ug/l #	45
12) 1,1-Dichloroethene	2.318	96	37037	18.927	ug/l	92
13) Acrolein	2.233	56	21	10.094	ug/l #	14
16) Acetone	2.385	43	1822	1.553	ug/l	97
17) Carbon Disulfide	2.513	76	330	Below Cal	#	74
20) Methylene Chloride	2.788	84	848	Below Cal		91
24) 1,1-Dichloroethane	3.617	63	77547	18.812	ug/l	98
25) 2-Butanone	4.592	43	440	0.233	ug/l #	48
27) cis-1,2-Dichloroethene	4.501	96	54716	21.071	ug/l	97
30) Chloroform	5.110	83	2567	0.592	ug/l	98
31) Cyclohexane	5.555	56	4135	1.274	ug/l #	1
32) 1,1,1-Trichloroethane	5.403	97	6309	1.799	ug/l	99
36) 1,1-Dichloropropene	5.555	75	17291	5.703	ug/l #	49
38) Carbon Tetrachloride	5.562	117	22794	7.128	ug/l #	16
39) Methylcyclohexane	7.122	83	820	0.226	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	835	0.259	ug/l	80
44) Trichloroethene	7.128	130	52651	20.092	ug/l	96
49) 1,4-Dioxane	7.665	88	4982	74.849	ug/l	98
51) 4-Methyl-2-Pentanone	8.659	43	1957	0.536	ug/l #	1
60) Dibromochloromethane	9.274	129	17370	6.621	ug/l #	11
64) Tetrachloroethene	9.280	164	17973	6.967	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	70344	22.636	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	70344	73.035	ug/l #	13

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

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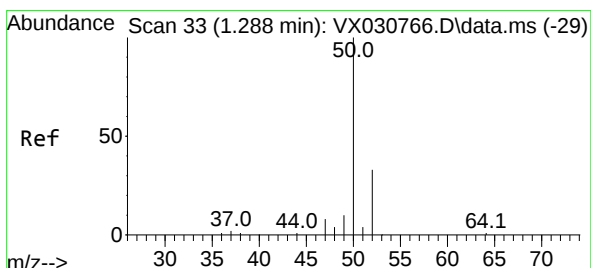
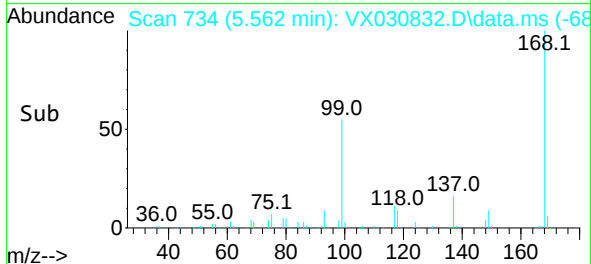
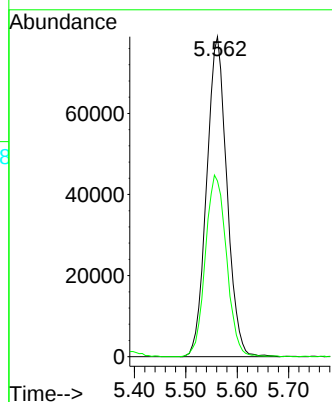
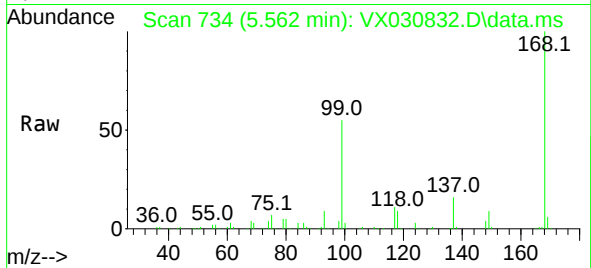




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

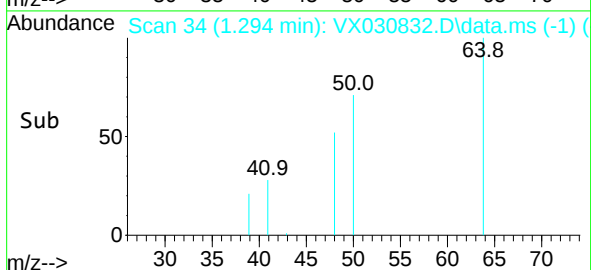
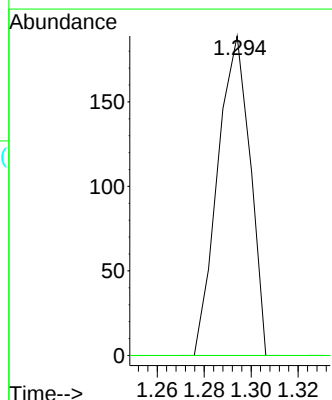
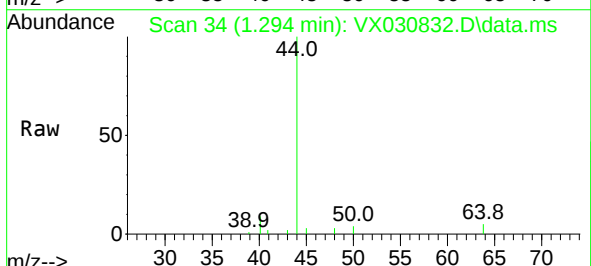
Instrument :
MSVOA_X
ClientSampleId :
MW-101I

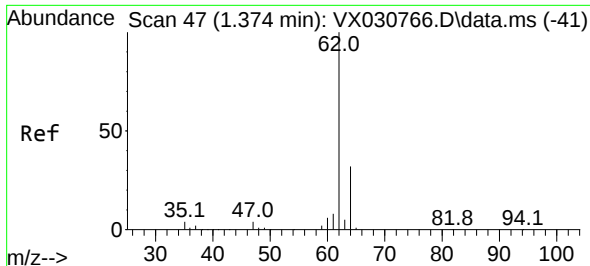
Tgt Ion:168 Resp: 215868
Ion Ratio Lower Upper
168 100
99 54.9 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

Tgt Ion: 50 Resp: 181
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

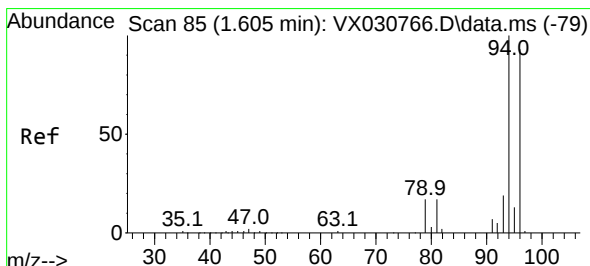
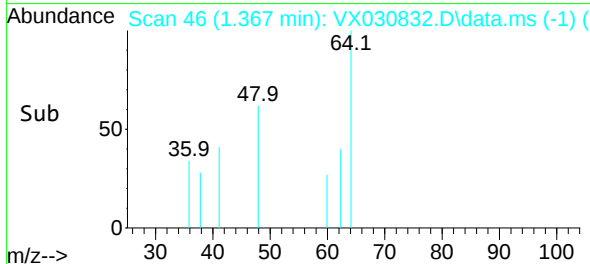
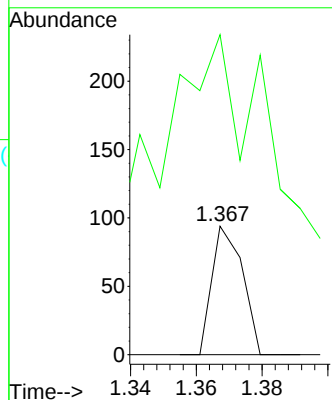
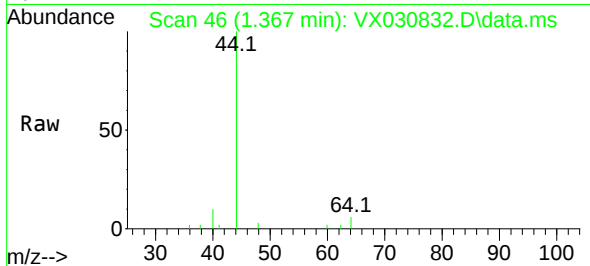




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.367 min Scan# 41
 Delta R.T. -0.007 min
 Lab File: VX030832.D
 Acq: 26 Aug 2022 18:13

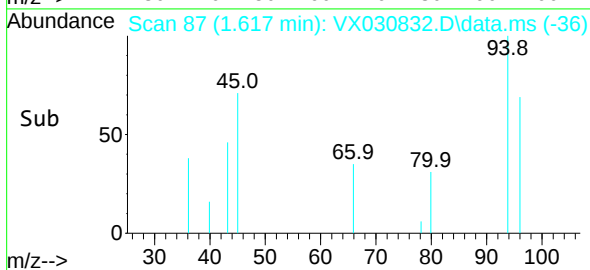
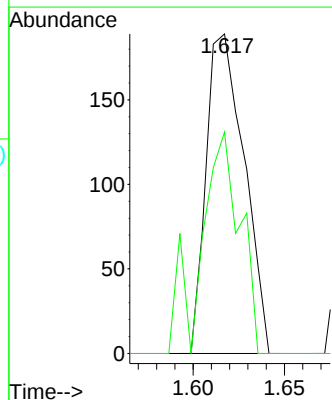
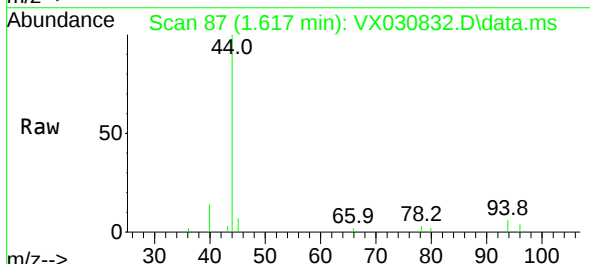
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101I

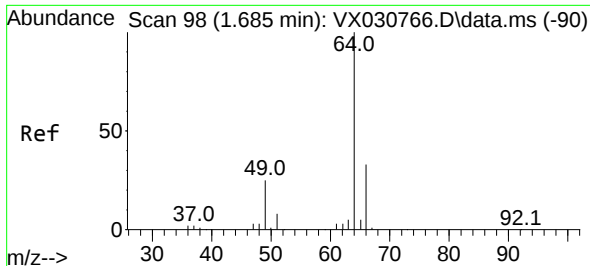
Tgt Ion: 62 Resp: 60
 Ion Ratio Lower Upper
 62 100
 64 120.2 25.2 37.8#



#5
 Bromomethane
 Concen: 0.272 ug/l
 RT: 1.617 min Scan# 87
 Delta R.T. 0.012 min
 Lab File: VX030832.D
 Acq: 26 Aug 2022 18:13

Tgt Ion: 94 Resp: 274
 Ion Ratio Lower Upper
 94 100
 96 69.3 76.9 115.3#

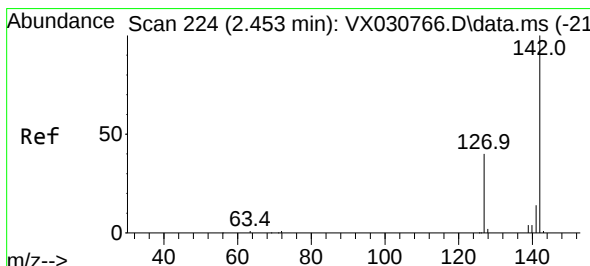
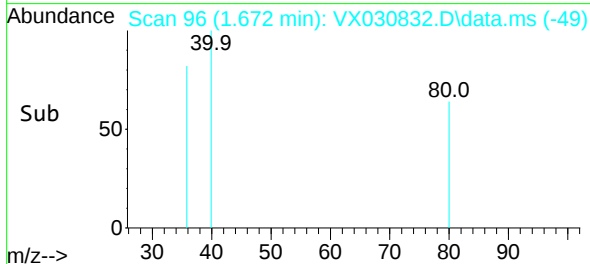
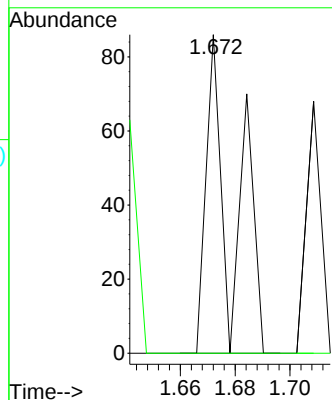
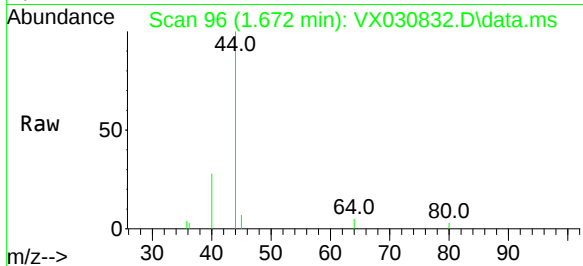




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.013 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

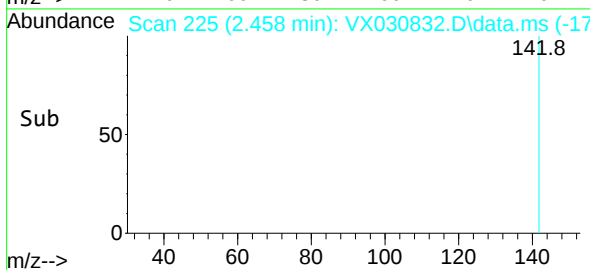
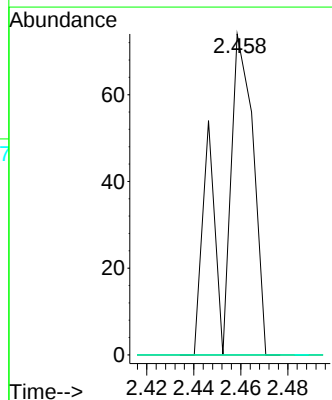
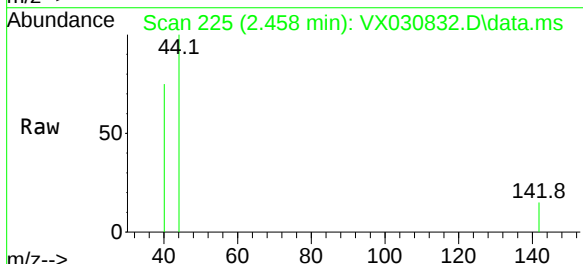
Instrument :
MSVOA_X
ClientSampleId :
MW-101I

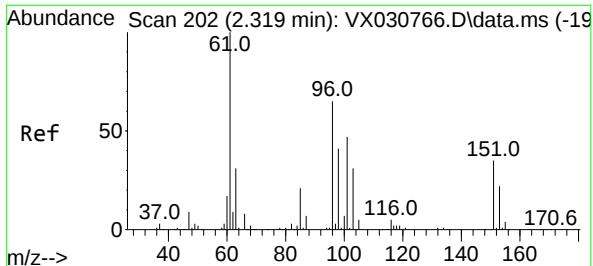
Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.065 ug/l
RT: 2.458 min Scan# 225
Delta R.T. 0.005 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

Tgt Ion: 142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#12

1,1-Dichloroethene

Concen: 18.927 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.001 min

Lab File: VX030832.D

Acq: 26 Aug 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

MW-101I

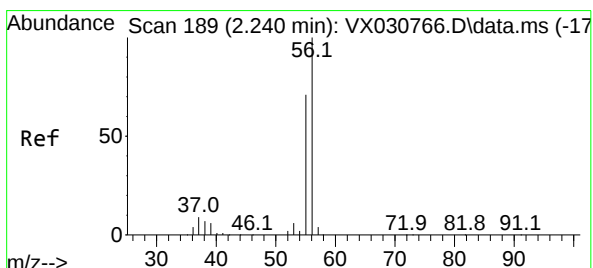
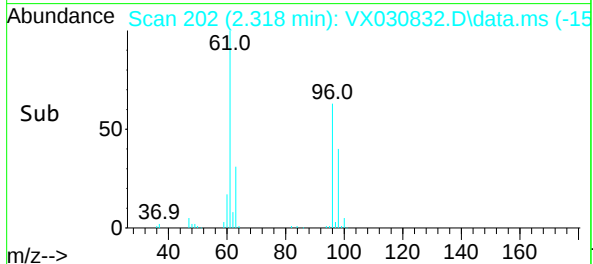
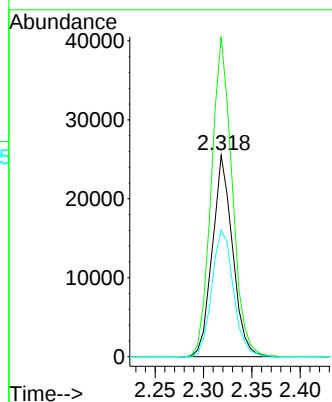
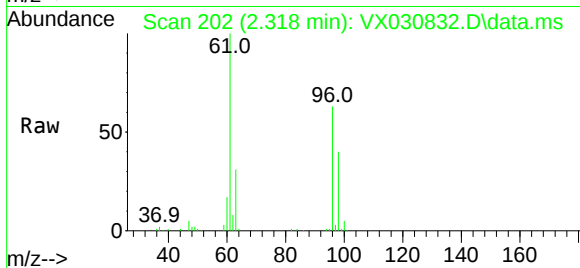
Tgt Ion: 96 Resp: 37037

Ion Ratio Lower Upper

96 100

61 158.9 117.4 176.0

98 62.8 52.2 78.4



#13

Acrolein

Concen: 10.094 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.007 min

Lab File: VX030832.D

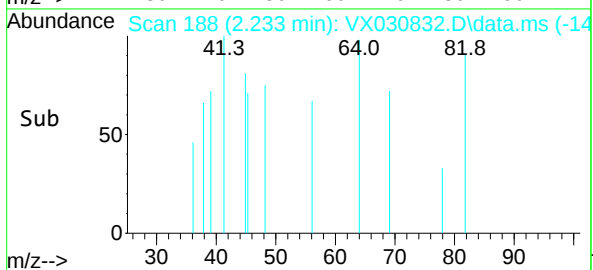
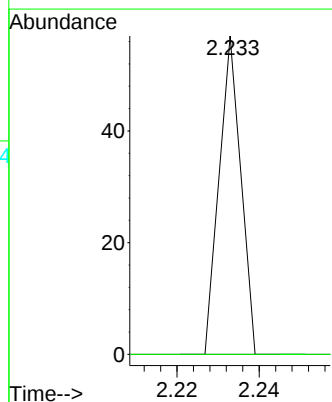
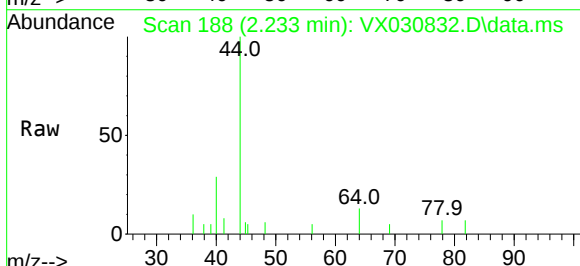
Acq: 26 Aug 2022 18:13

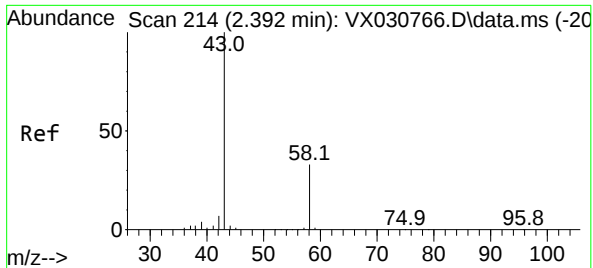
Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

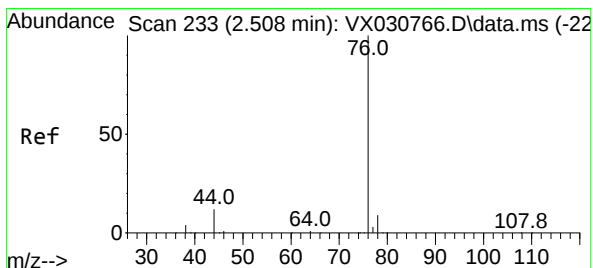
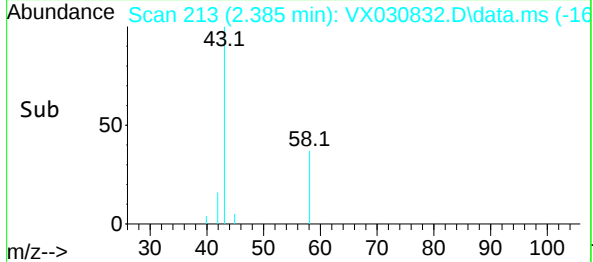
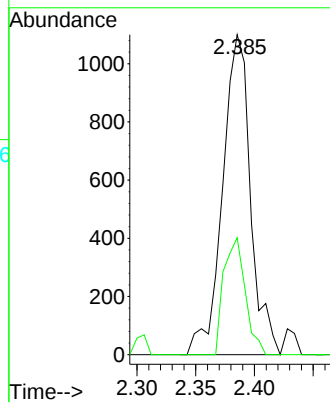
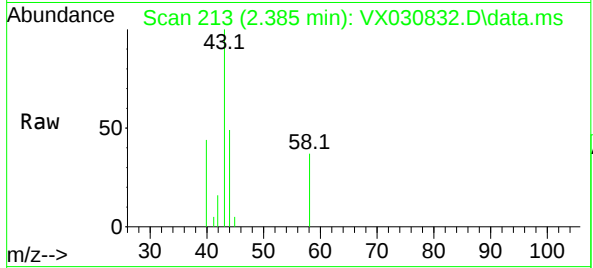




#16
Acetone
Concen: 1.553 ug/l
RT: 2.385 min Scan# 214
Delta R.T. -0.007 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

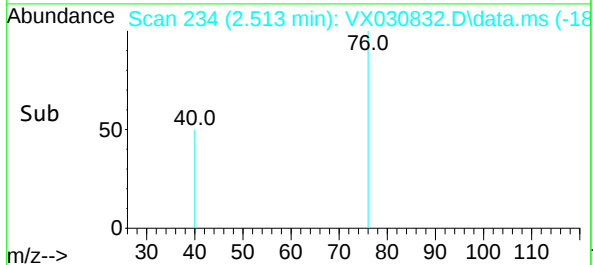
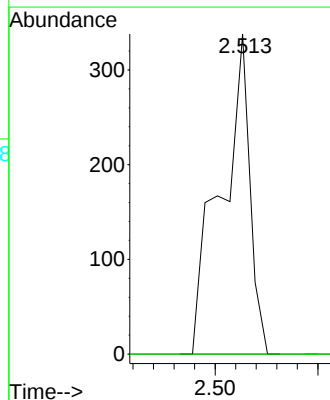
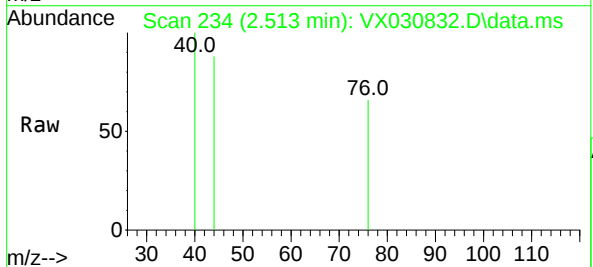
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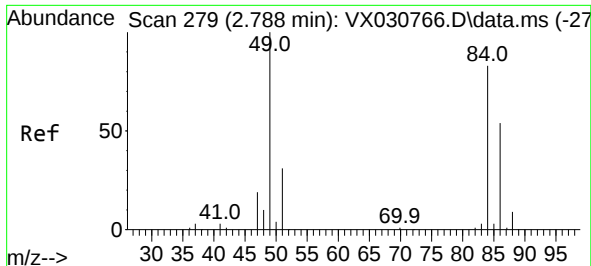
Tgt Ion: 43 Resp: 1822
Ion Ratio Lower Upper
43 100
58 36.5 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.513 min Scan# 234
Delta R.T. 0.005 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

Tgt Ion: 76 Resp: 330
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX030832.D

Acq: 26 Aug 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

MW-101I

Tgt Ion: 84 Resp: 848

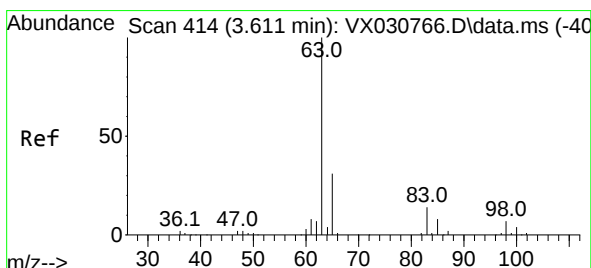
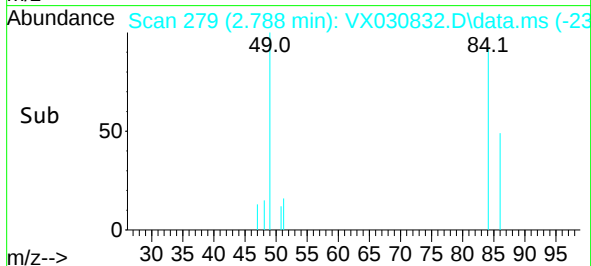
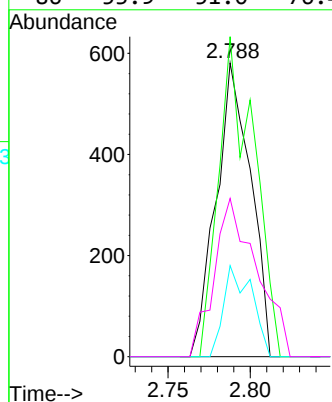
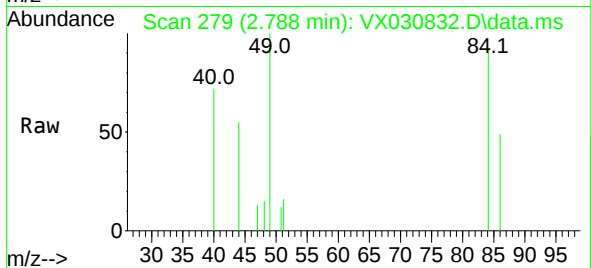
Ion Ratio Lower Upper

84 100

49 109.0 93.8 140.6

51 31.0 29.4 44.0

86 53.9 51.0 76.4



#24

1,1-Dichloroethane

Concen: 18.812 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX030832.D

Acq: 26 Aug 2022 18:13

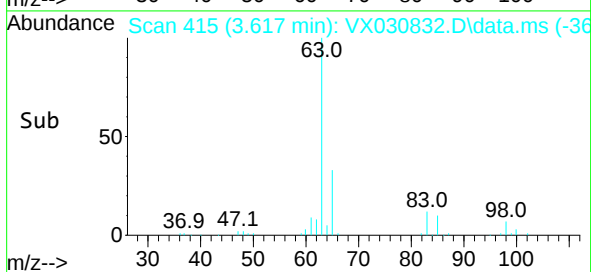
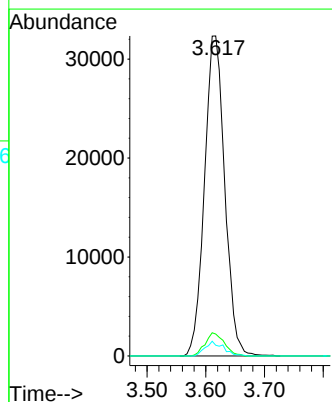
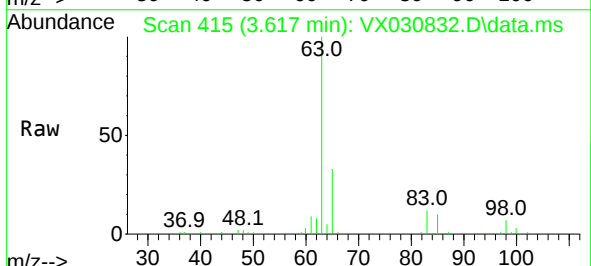
Tgt Ion: 63 Resp: 77547

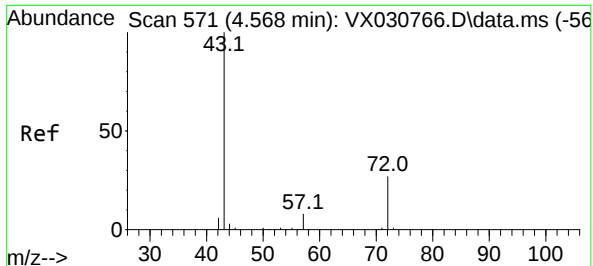
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 3.3 2.3 6.9





#25

2-Butanone

Concen: 0.233 ug/l

RT: 4.592 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX030832.D

Acq: 26 Aug 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

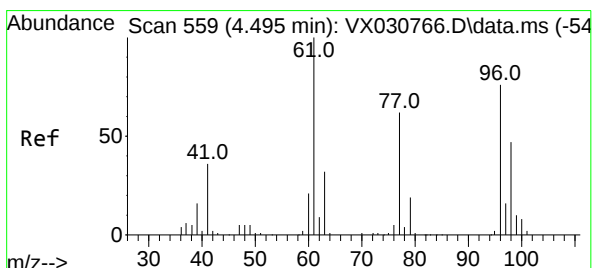
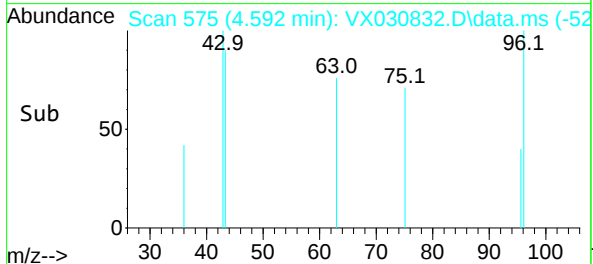
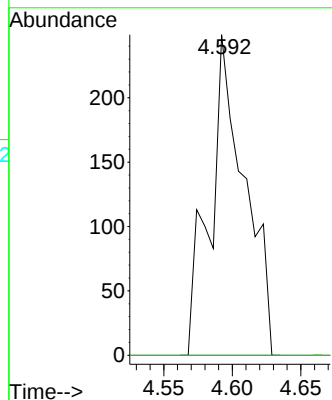
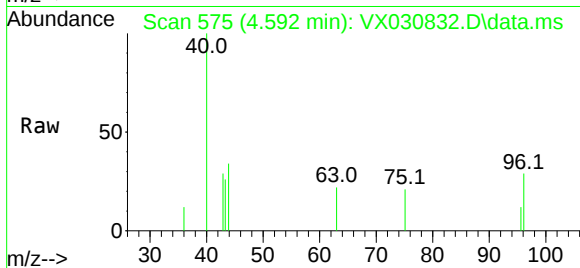
MW-101I

Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#27

cis-1,2-Dichloroethene

Concen: 21.071 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX030832.D

Acq: 26 Aug 2022 18:13

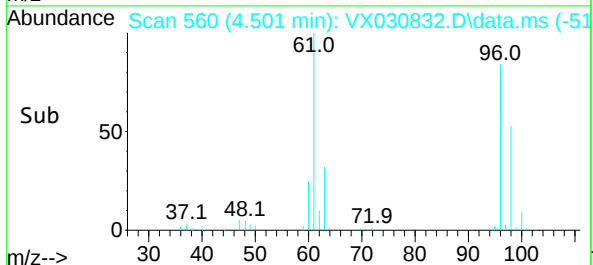
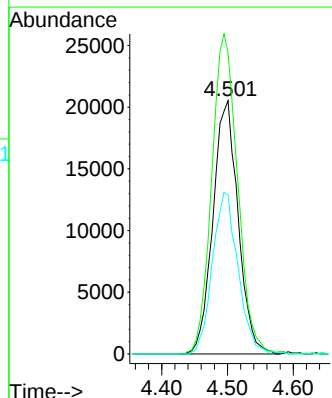
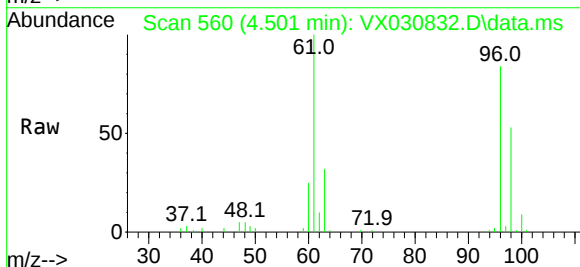
Tgt Ion: 96 Resp: 54716

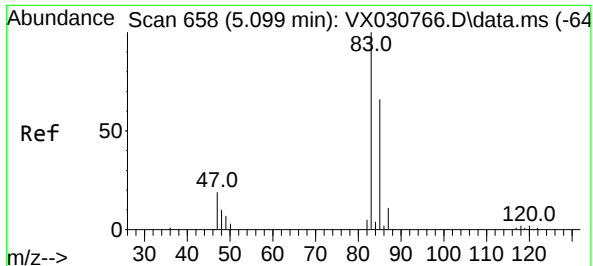
Ion Ratio Lower Upper

96 100

61 129.9 0.0 270.0

98 64.8 0.0 127.8





#30

Chloroform

Concen: 0.592 ug/l

RT: 5.110 min Scan# 6

Delta R.T. 0.011 min

Lab File: VX030832.D

Acq: 26 Aug 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

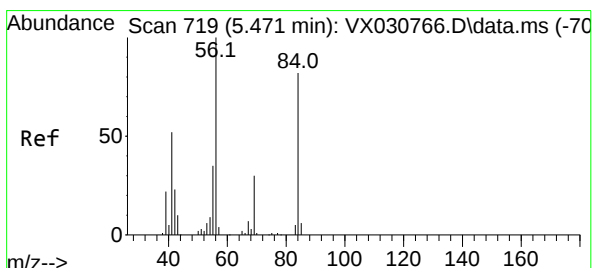
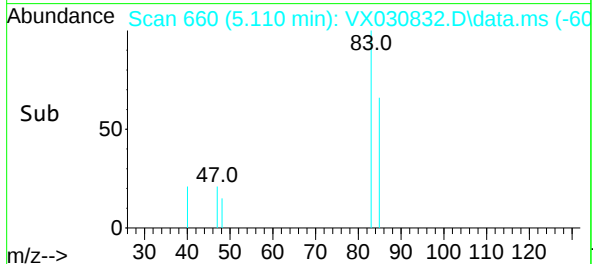
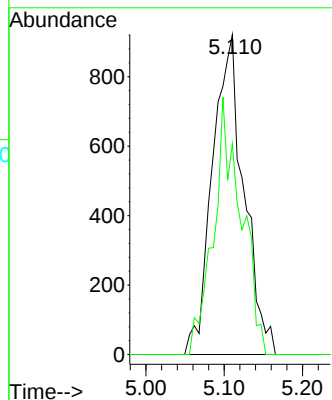
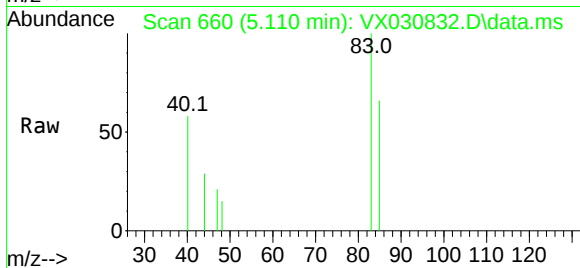
MW-101I

Tgt Ion: 83 Resp: 2567

Ion Ratio Lower Upper

83 100

85 65.9 51.5 77.3



#31

Cyclohexane

Concen: 1.274 ug/l

RT: 5.555 min Scan# 733

Delta R.T. 0.084 min

Lab File: VX030832.D

Acq: 26 Aug 2022 18:13

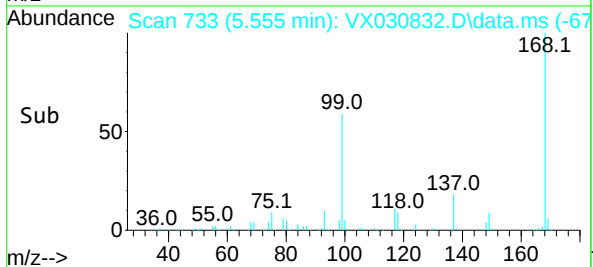
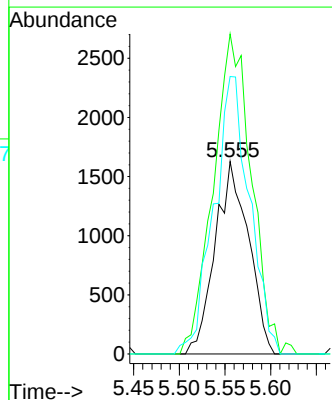
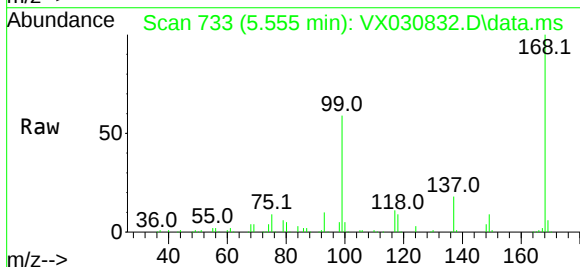
Tgt Ion: 56 Resp: 4135

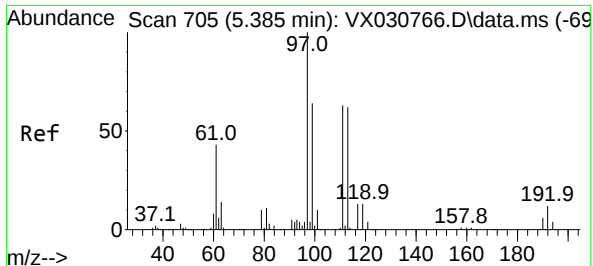
Ion Ratio Lower Upper

56 100

69 166.2 25.4 38.0#

84 144.1 68.9 103.3#

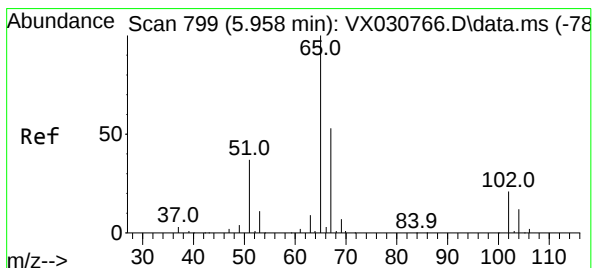
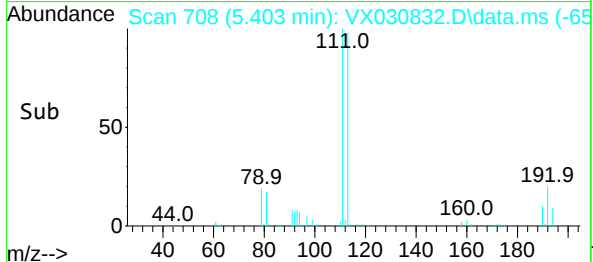
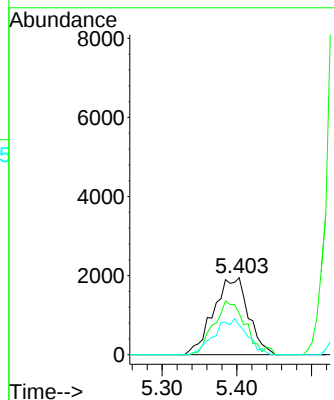
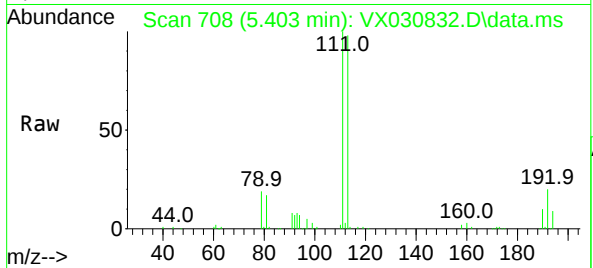




#32
1,1,1-Trichloroethane
Concen: 1.799 ug/l
RT: 5.403 min Scan# 705
Delta R.T. 0.018 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

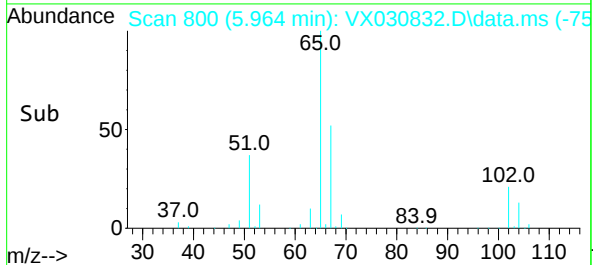
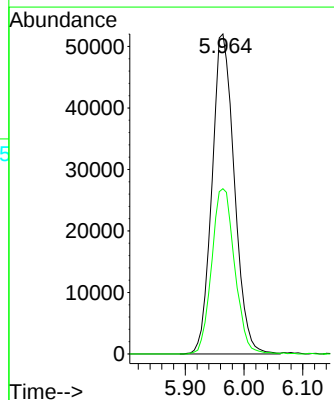
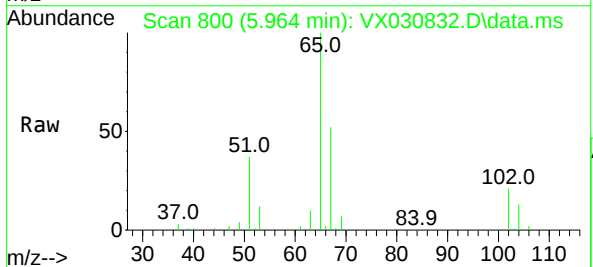
Instrument :
MSVOA_X
ClientSampleId :
MW-101I

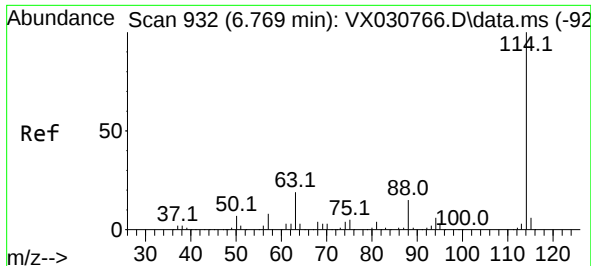
Tgt Ion: 97 Resp: 6309
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.0
61 43.5 35.8 53.8



#33
1,2-Dichloroethane-d4
Concen: 54.123 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

Tgt Ion: 65 Resp: 137429
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.6

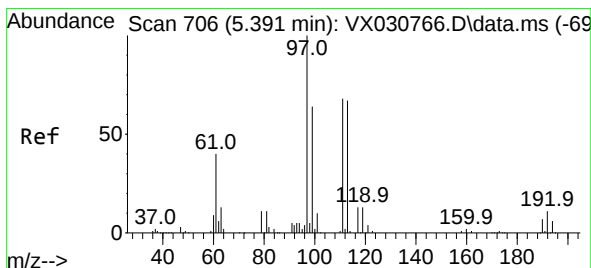
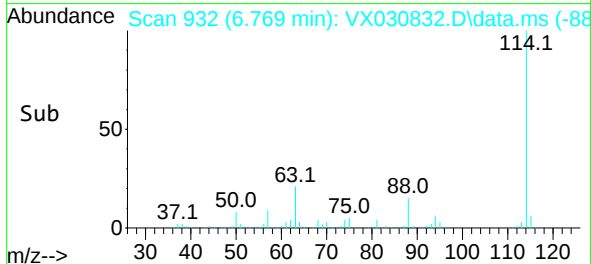
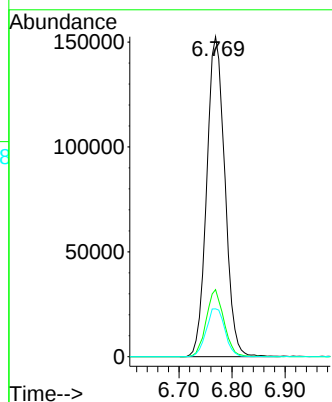
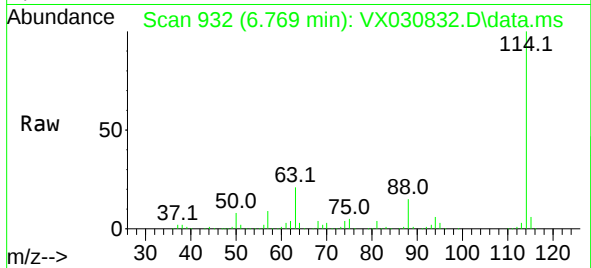




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

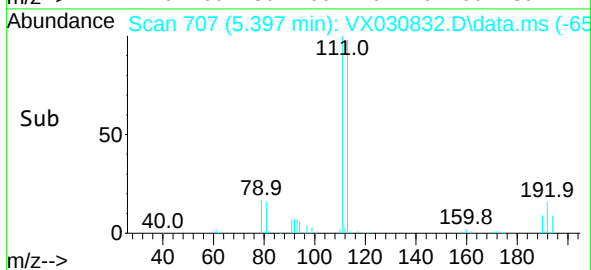
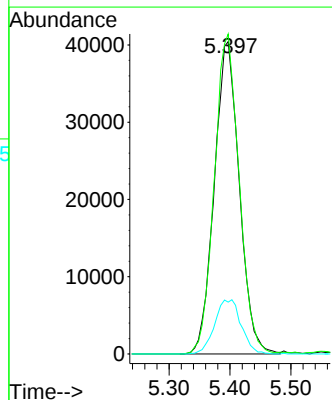
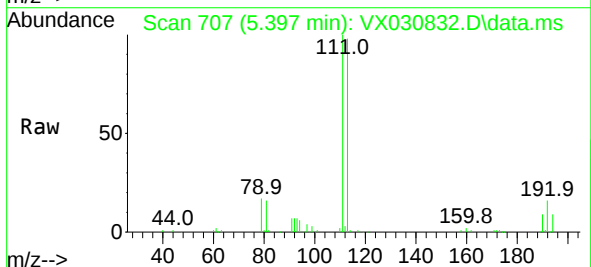
Instrument :
MSVOA_X
ClientSampleId :
MW-101I

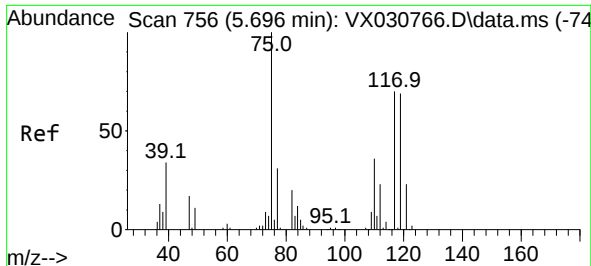
Tgt Ion:114 Resp: 362261
Ion Ratio Lower Upper
114 100
63 21.0 0.0 38.4
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.732 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

Tgt Ion:113 Resp: 115176
Ion Ratio Lower Upper
113 100
111 101.5 83.2 124.8
192 18.4 14.8 22.2

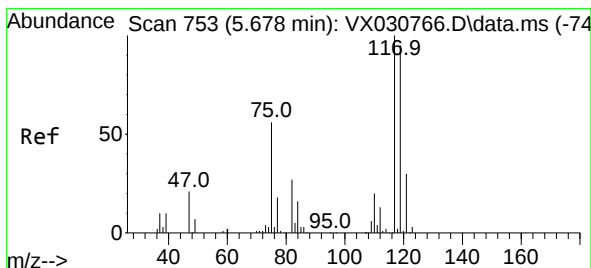
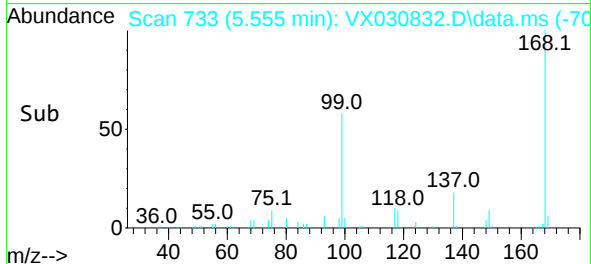
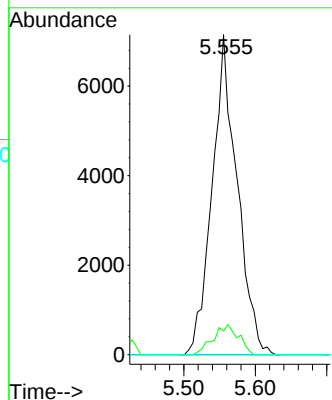
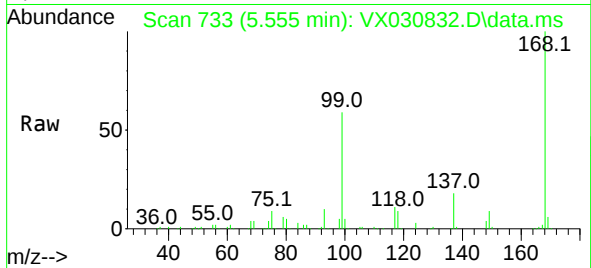




#36
1,1-Dichloropropene
Concen: 5.703 ug/l
RT: 5.555 min Scan# 713
Delta R.T. -0.141 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

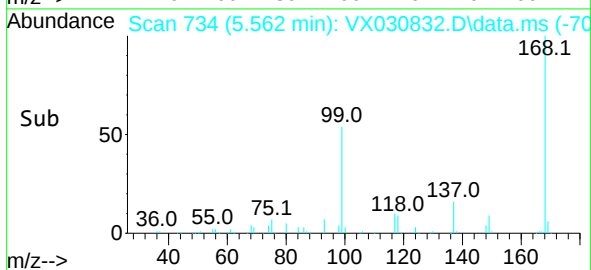
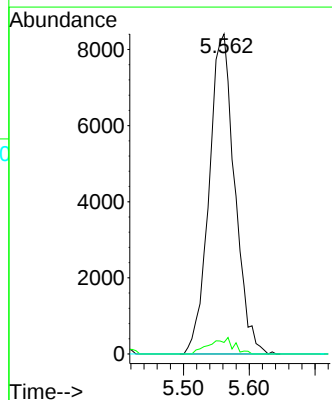
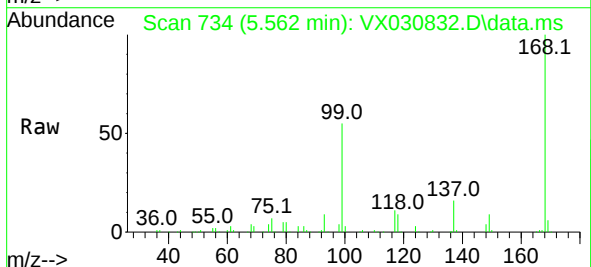
Instrument :
MSVOA_X
ClientSampleId :
MW-101I

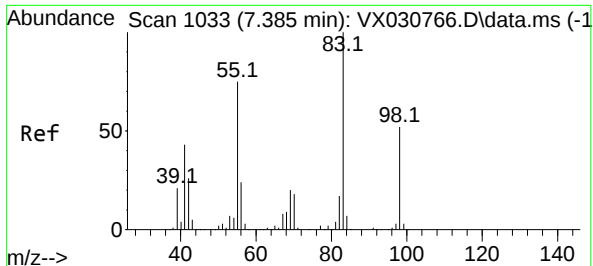
Tgt Ion: 75 Resp: 17291
Ion Ratio Lower Upper
75 100
110 9.6 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.128 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

Tgt Ion: 117 Resp: 22794
Ion Ratio Lower Upper
117 100
119 3.6 74.1 111.1#
121 0.0 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.226 ug/l

RT: 7.122 min Scan# 91

Delta R.T. -0.263 min

Lab File: VX030832.D

Acq: 26 Aug 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

MW-101I

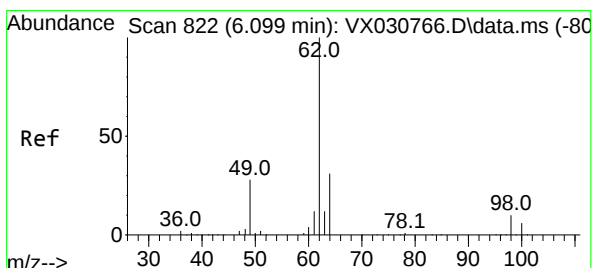
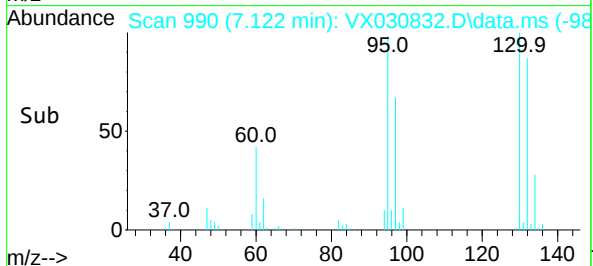
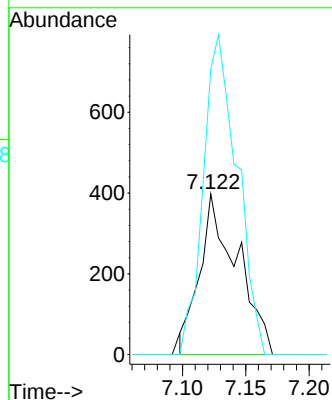
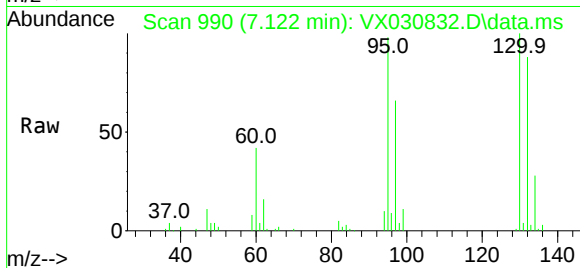
Tgt Ion: 83 Resp: 820

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 177.4 36.5 54.7#



#42

1,2-Dichloroethane

Concen: 0.259 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.007 min

Lab File: VX030832.D

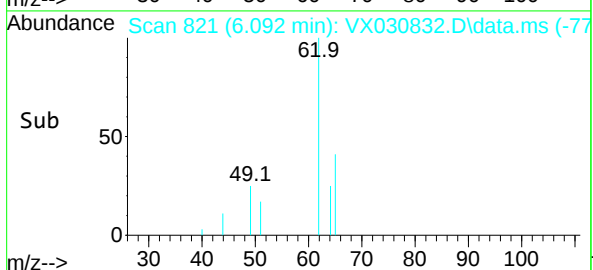
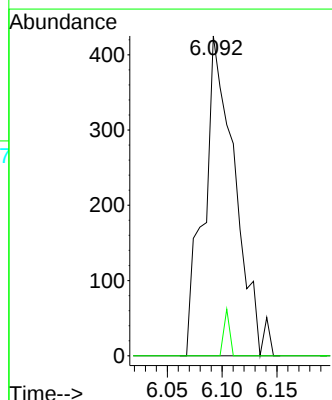
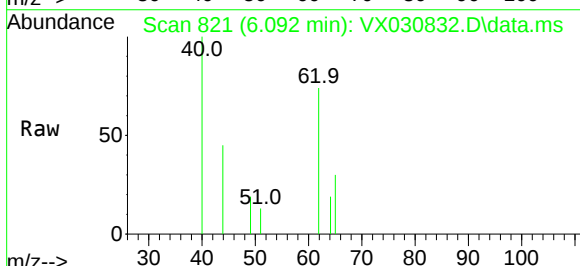
Acq: 26 Aug 2022 18:13

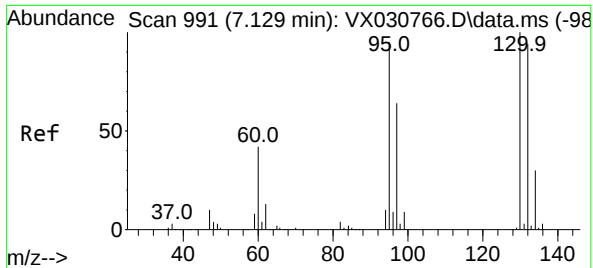
Tgt Ion: 62 Resp: 835

Ion Ratio Lower Upper

62 100

98 2.8 0.0 20.2

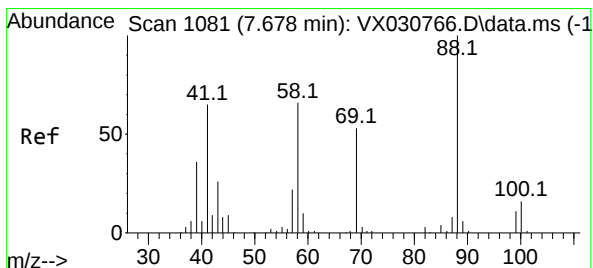
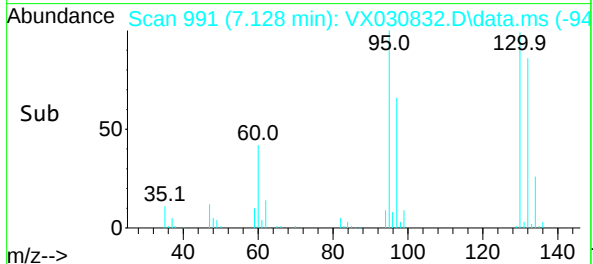
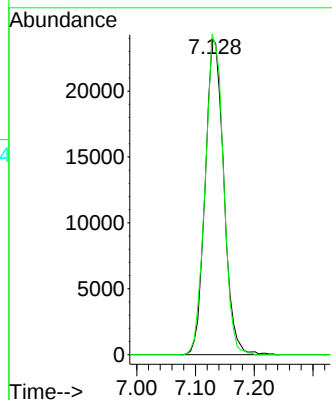
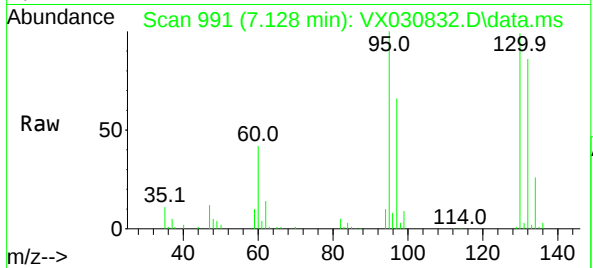




#44
 Trichloroethene
 Concen: 20.092 ug/l
 RT: 7.128 min Scan# 991
 Delta R.T. -0.001 min
 Lab File: VX030832.D
 Acq: 26 Aug 2022 18:13

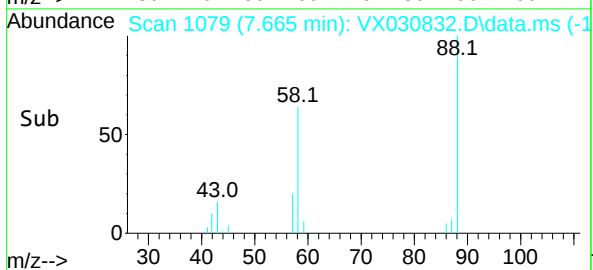
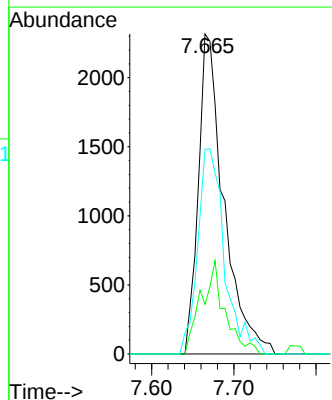
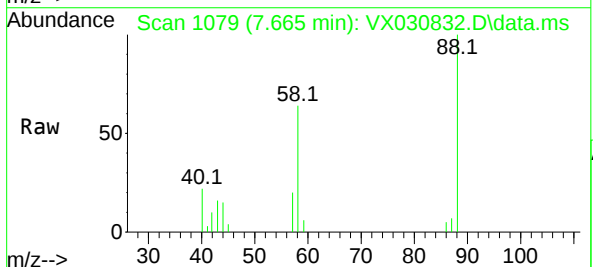
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101I

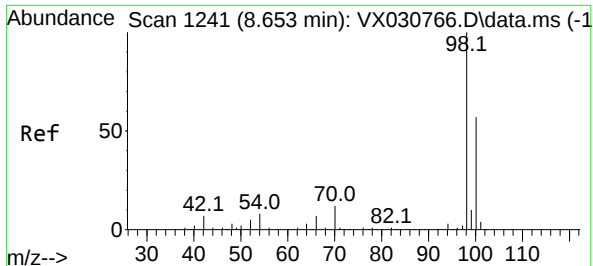
Tgt Ion:130 Resp: 52651
 Ion Ratio Lower Upper
 130 100
 95 101.5 0.0 194.8



#49
 1,4-Dioxane
 Concen: 74.849 ug/l
 RT: 7.665 min Scan# 1079
 Delta R.T. -0.013 min
 Lab File: VX030832.D
 Acq: 26 Aug 2022 18:13

Tgt Ion: 88 Resp: 4982
 Ion Ratio Lower Upper
 88 100
 43 27.2 23.8 35.8
 58 67.7 53.8 80.6





#50

Toluene-d8

Concen: 55.308 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX030832.D

Acq: 26 Aug 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

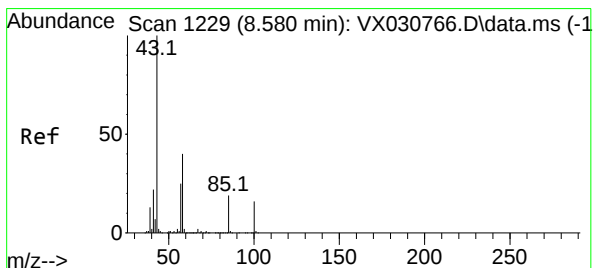
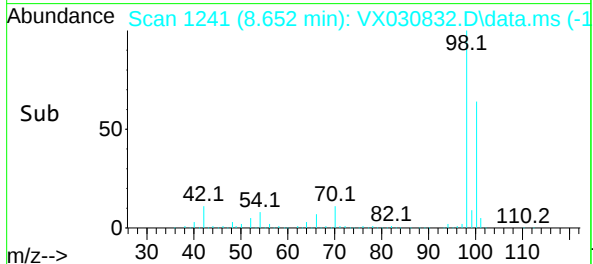
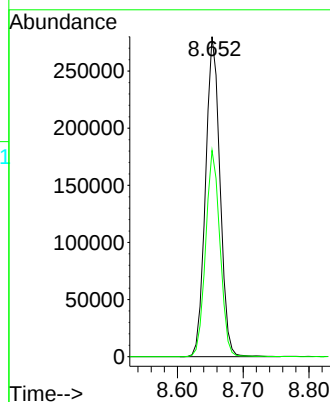
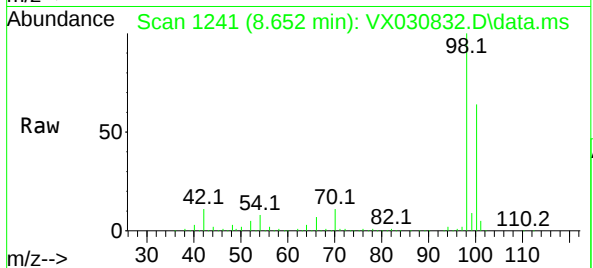
MW-101I

Tgt Ion: 98 Resp: 429091

Ion Ratio Lower Upper

98 100

100 63.8 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.536 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. 0.079 min

Lab File: VX030832.D

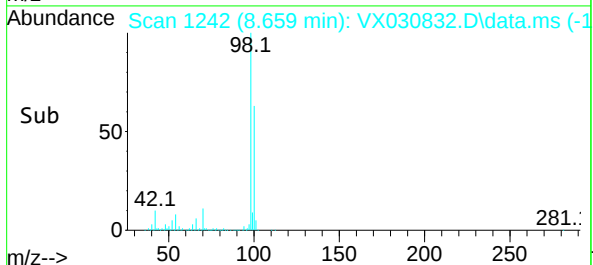
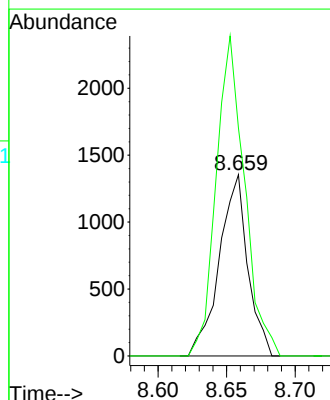
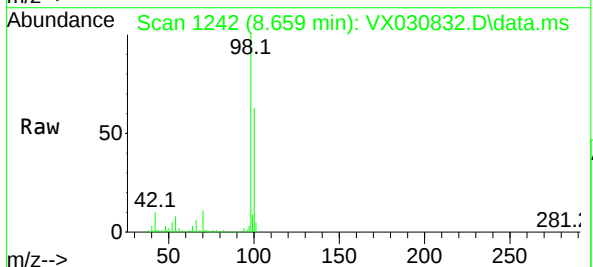
Acq: 26 Aug 2022 18:13

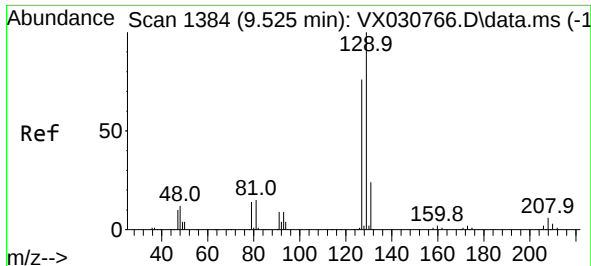
Tgt Ion: 43 Resp: 1957

Ion Ratio Lower Upper

43 100

58 175.6 31.4 47.2#

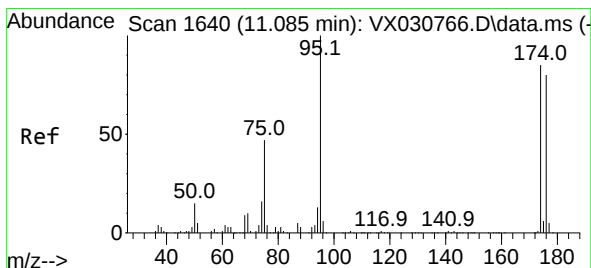
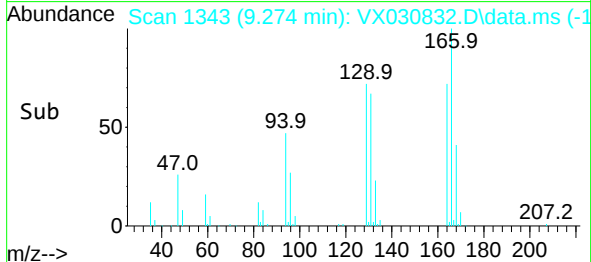
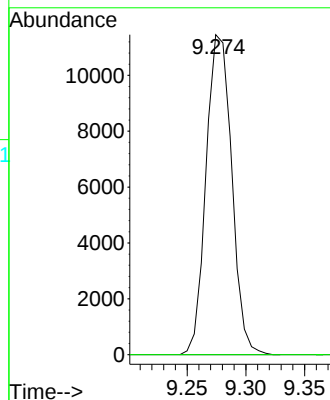
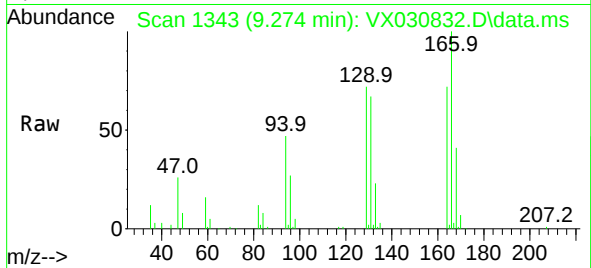




#60
Dibromochloromethane
Concen: 6.621 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.251 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

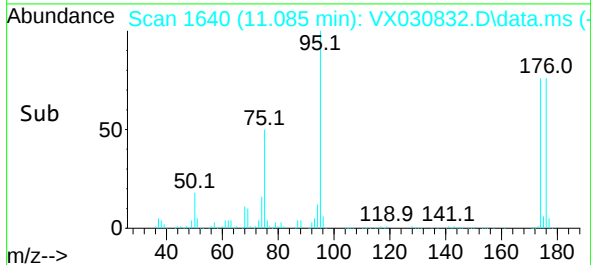
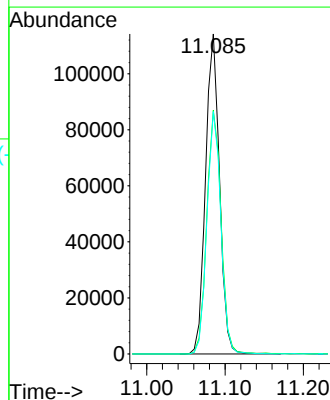
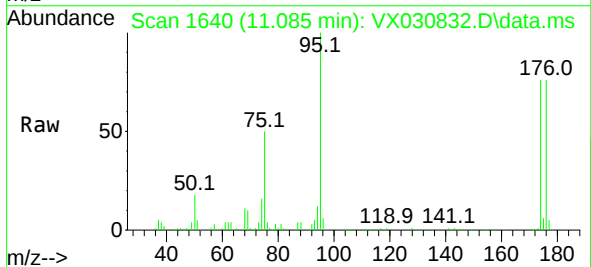
Instrument :
MSVOA_X
ClientSampleId :
MW-101I

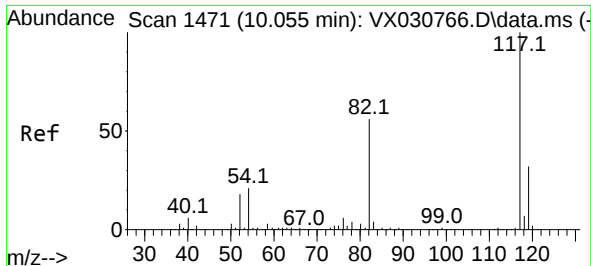
Tgt Ion:129 Resp: 17370
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 48.811 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

Tgt Ion: 95 Resp: 140985
Ion Ratio Lower Upper
95 100
174 77.7 0.0 149.0
176 75.5 0.0 146.0

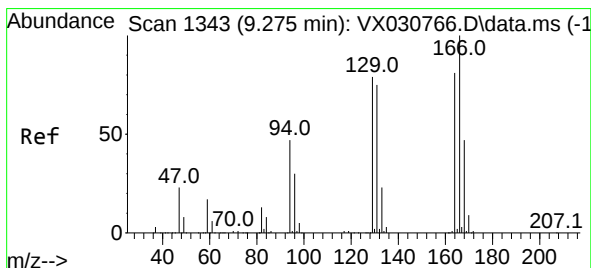
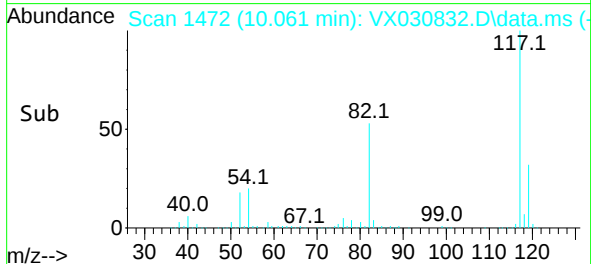
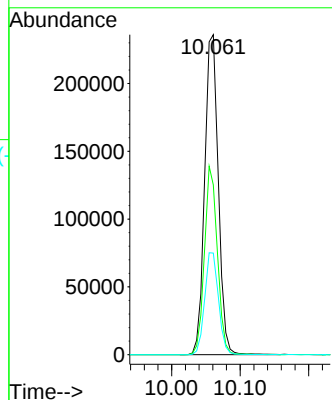
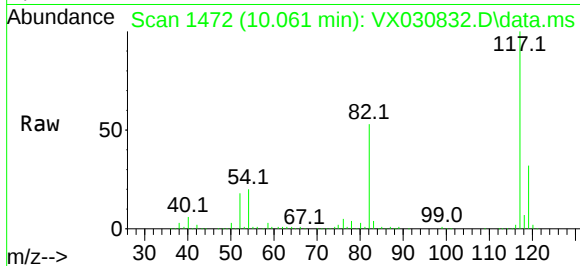




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

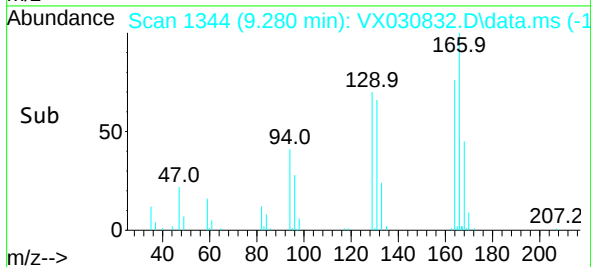
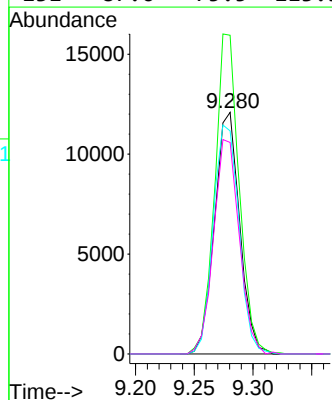
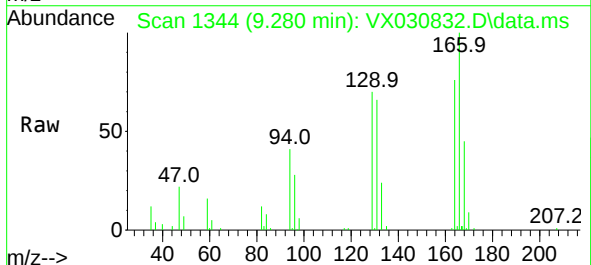
Instrument :
MSVOA_X
ClientSampleId :
MW-101I

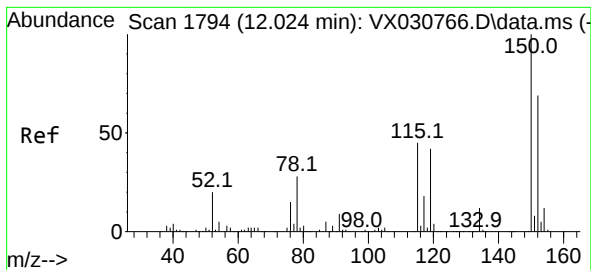
Tgt Ion:117 Resp: 327474
Ion Ratio Lower Upper
117 100
82 53.1 42.7 64.1
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 6.967 ug/l
RT: 9.280 min Scan# 1344
Delta R.T. 0.005 min
Lab File: VX030832.D
Acq: 26 Aug 2022 18:13

Tgt Ion:164 Resp: 17973
Ion Ratio Lower Upper
164 100
166 131.9 98.2 147.4
129 92.3 80.8 121.2
131 87.6 75.5 113.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX030832.D

Acq: 26 Aug 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

MW-101I

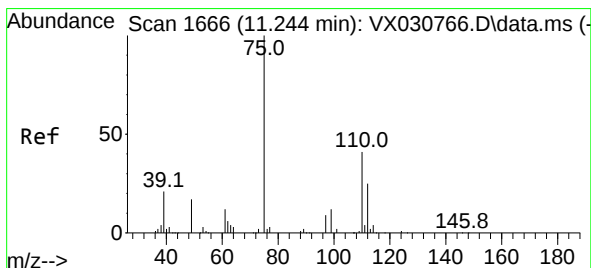
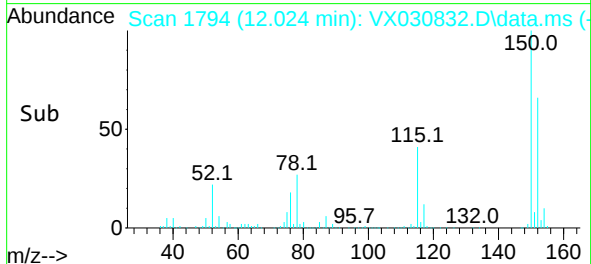
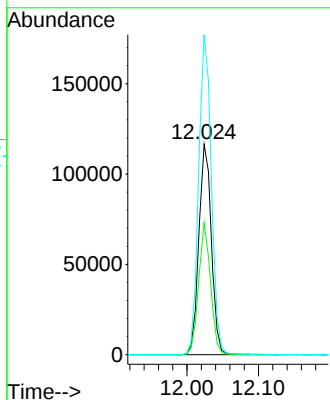
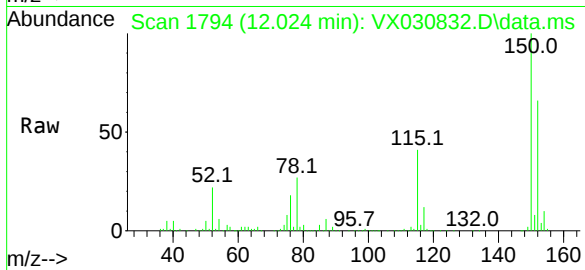
Tgt Ion:152 Resp: 141842

Ion Ratio Lower Upper

152 100

115 59.5 40.5 121.5

150 154.1 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 22.636 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX030832.D

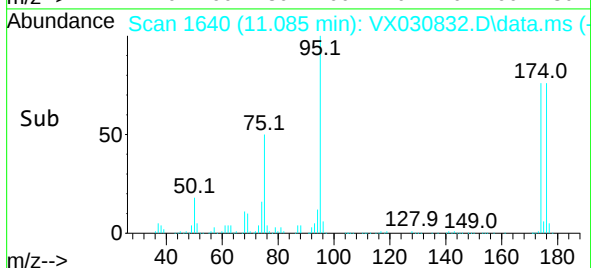
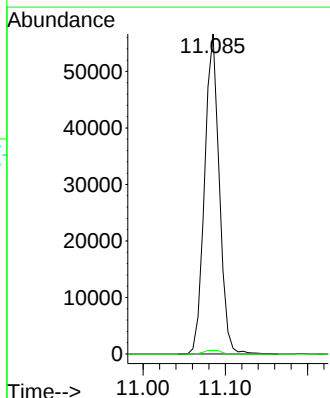
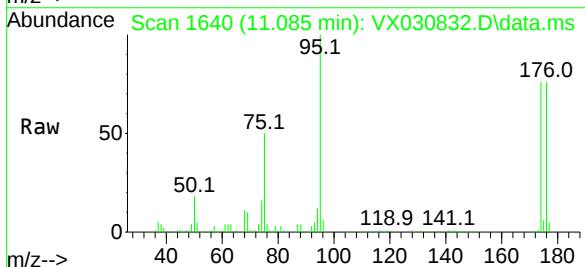
Acq: 26 Aug 2022 18:13

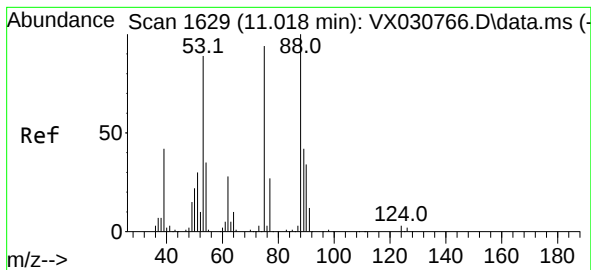
Tgt Ion: 75 Resp: 70344

Ion Ratio Lower Upper

75 100

77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.035 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030832.D
 Acq: 26 Aug 2022 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101I

Tgt Ion: 75 Resp: 70344
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.8 52.2#

