

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091720\
 Data File : VX018473.D
 Acq On : 17 Sep 2020 17:55
 Operator : JC/SP
 Sample : L4058-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Sep 18 06:33:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	521934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	854519	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	806053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	395108	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	356553	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	5.47	113	287545	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	8.70	98	1030602	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.12	95	387984	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	

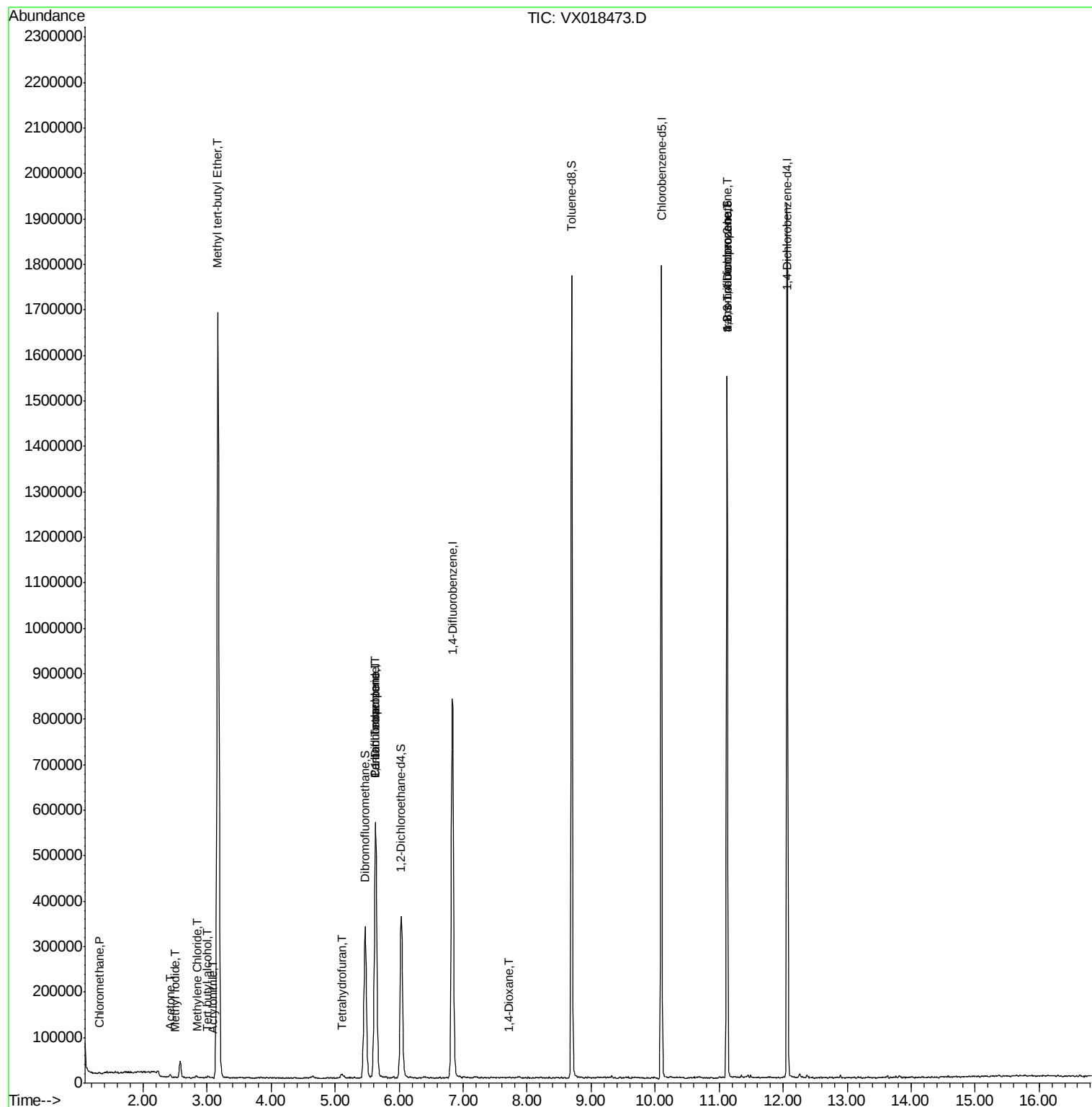
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1691	0.292	ug/l #	81
10) Methyl Iodide	2.50	142	365	4.967	ug/l #	53
11) Tert butyl alcohol	3.01	59	5926	4.613	ug/l #	72
15) Acrylonitrile	3.09	53	652	0.213	ug/l #	39
16) Acetone	2.42	43	6502	2.303	ug/l #	82
19) Methyl tert-butyl Ether	3.17	73	1891103	106.579	ug/l	98
20) Methylene Chloride	2.84	84	2481	0.398	ug/l #	87
29) Tetrahydrofuran	5.10	42	9418	3.398	ug/l #	84
36) 1,1-Dichloropropene	5.63	75	41112	4.957	ug/l #	52
38) Carbon Tetrachloride	5.63	117	53276	5.800	ug/l #	19
49) 1,4-Dioxane	7.71	88	27	0.228	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	203747	24.539	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	203747	62.881	ug/l #	12

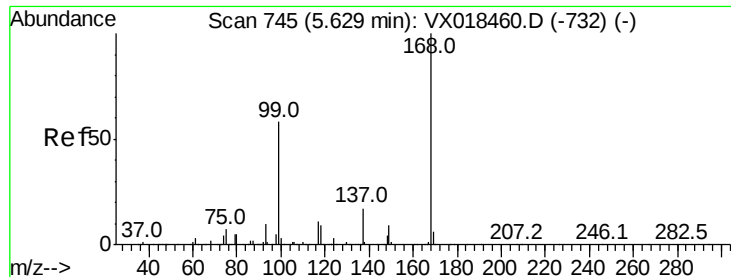
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

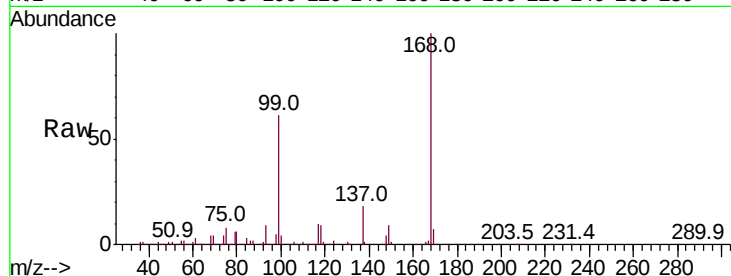
MW-4

Tot Ion:168 Resp: 521934

Ion Ratio Lower Upper

168 100

99 61.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

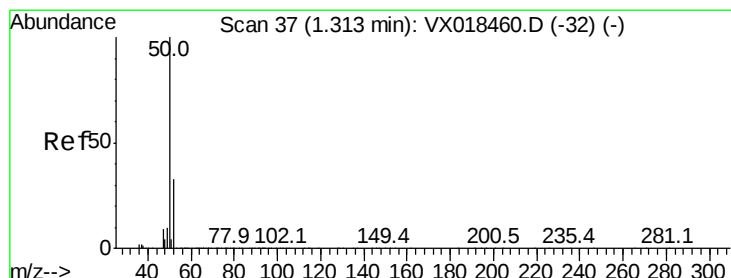
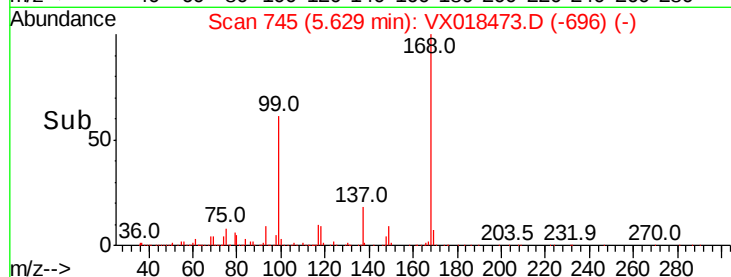
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.292 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018473.D

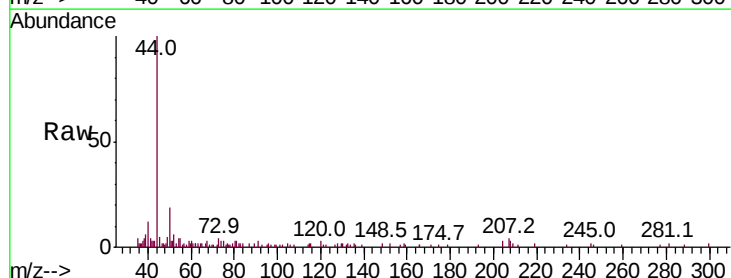
Acq: 17 Sep 2020 17:55

Tgt Ion: 50 Resp: 1691

Ion Ratio Lower Upper

50 100

52 22.3 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1500

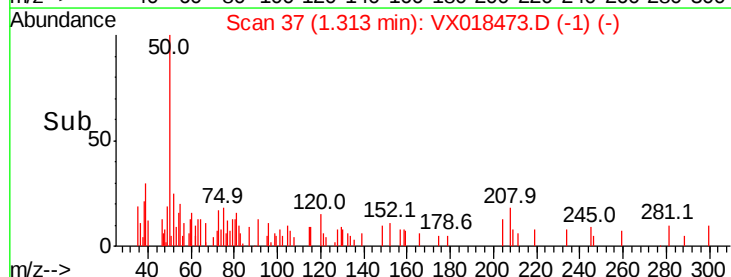
1000

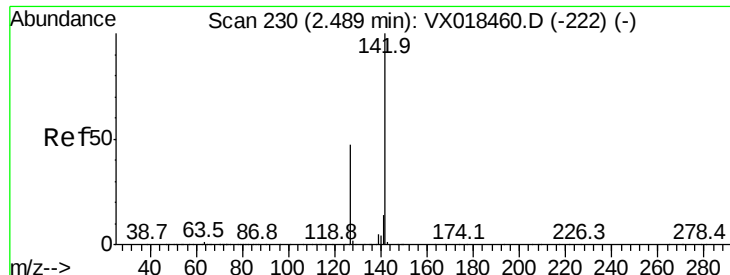
500

0

Time-->

1.30 1.35

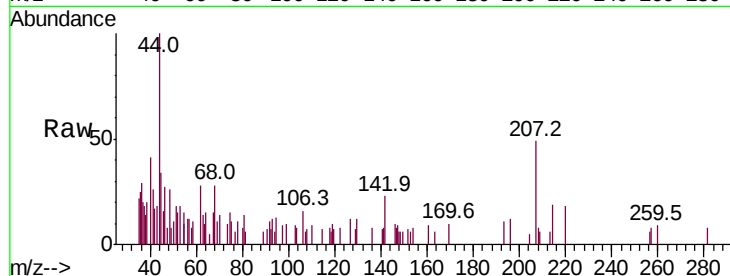




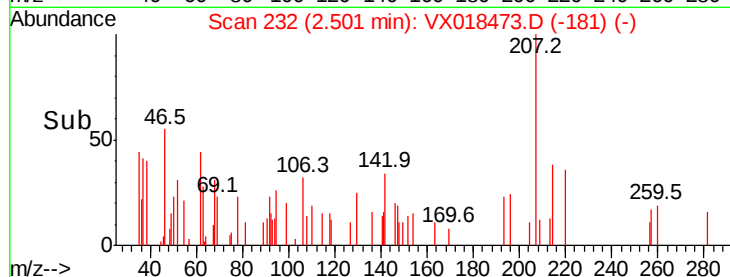
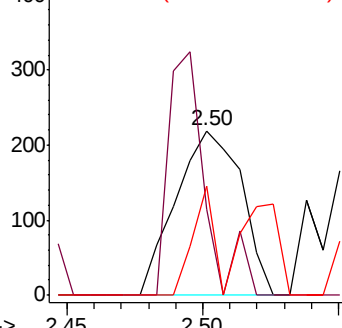
#10
Methyl Iodide
Concen: 4.967 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018473.D
Acq: 17 Sep 2020 17:55

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tot Ion:142 Resp: 365
Ion Ratio Lower Upper
142 100
127 82.5 36.0 54.0#
141 21.1 11.9 17.9#

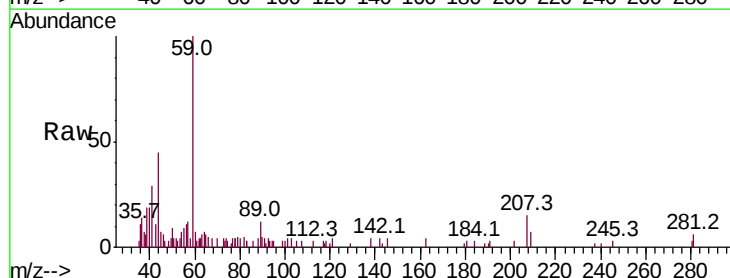
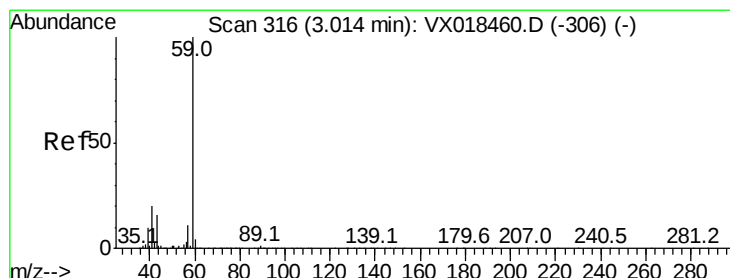


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

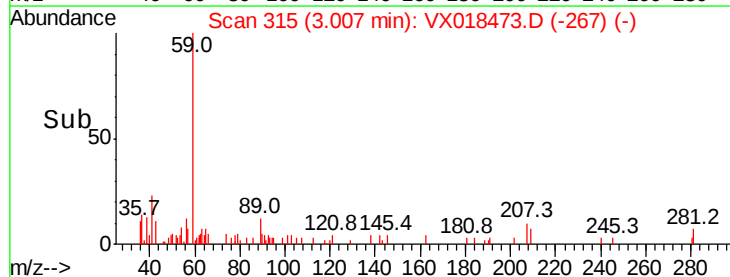
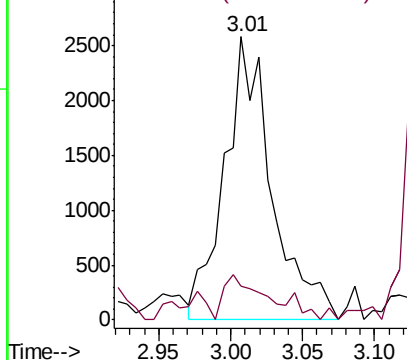


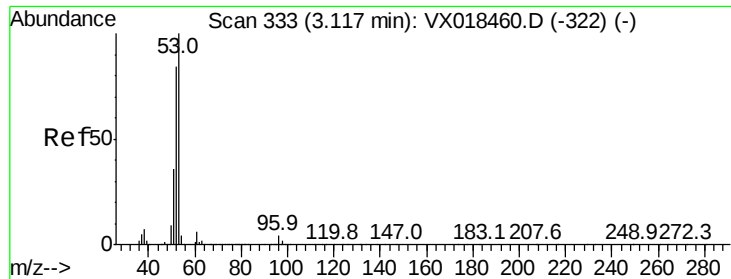
#11
Tert butyl alcohol
Concen: 4.613 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018473.D
Acq: 17 Sep 2020 17:55

Tgt Ion: 59 Resp: 5926
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.213 ug/l

RT: 3.09 min Scan# 328

Delta R.T. -0.03 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

Instrument :

MSVOA_X

ClientSampled :

MW-4

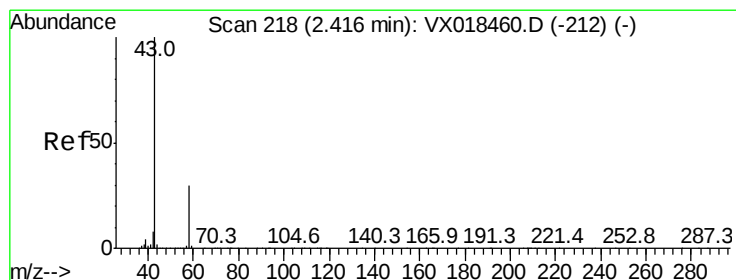
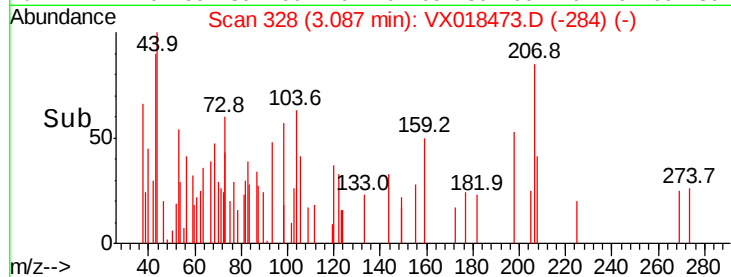
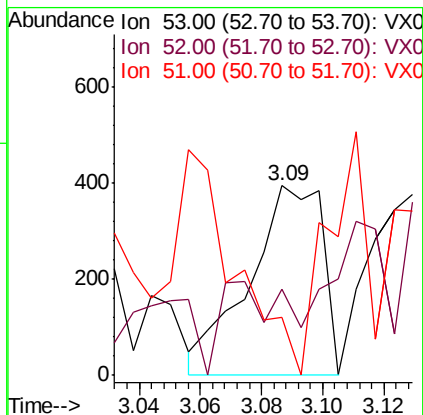
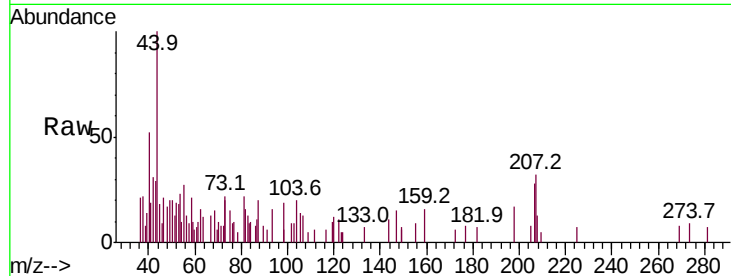
Tot Ion: 53 Resp: 652

Ion Ratio Lower Upper

53 100

52 27.9 65.8 98.8#

51 0.0 29.2 43.8#



#16

Acetone

Concen: 2.303 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018473.D

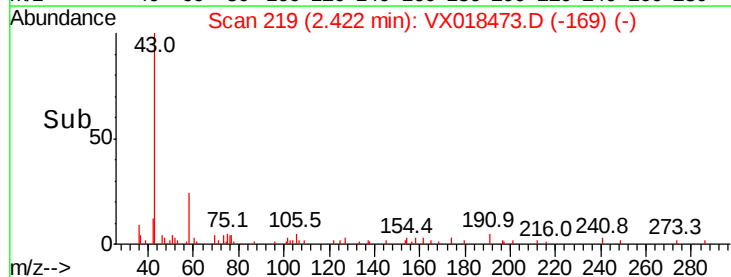
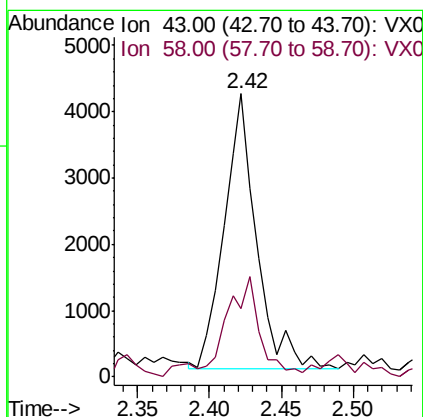
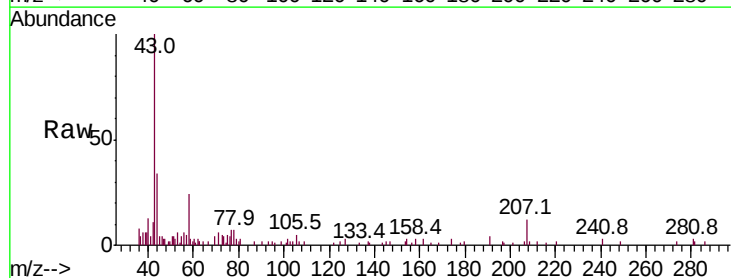
Acq: 17 Sep 2020 17:55

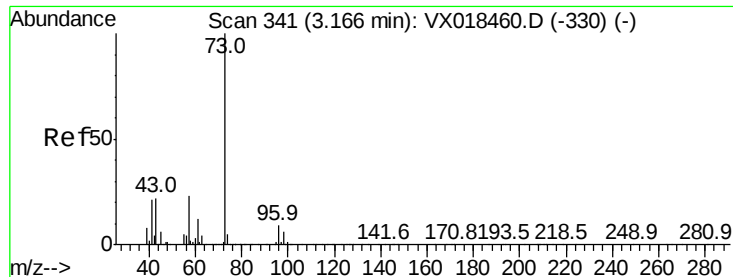
Tgt Ion: 43 Resp: 6502

Ion Ratio Lower Upper

43 100

58 20.1 24.0 36.0#



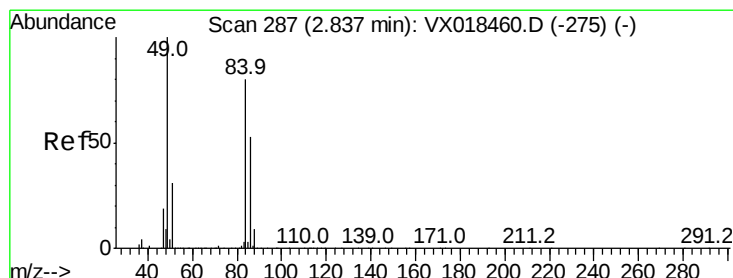
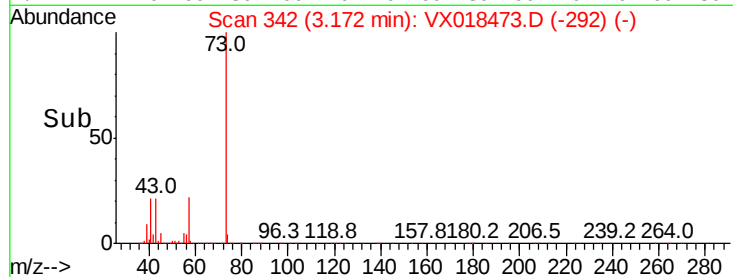
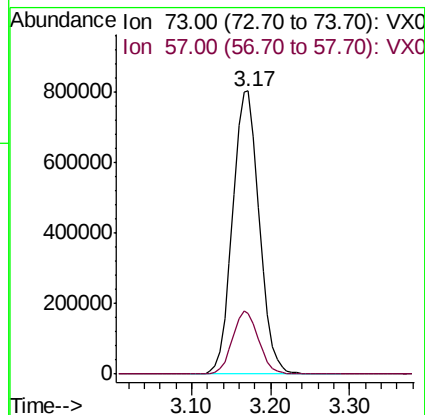
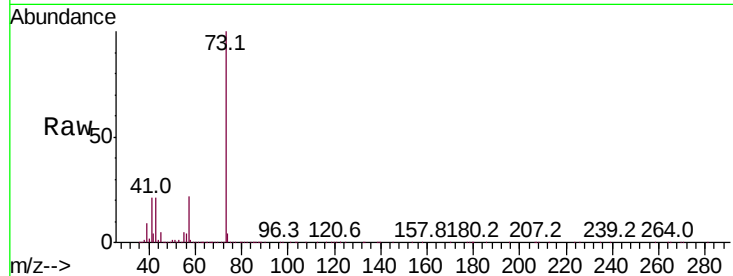


#19

Methyl tert-butyl Ether
 Concen: 106.579 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX018473.D
 Acq: 17 Sep 2020 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

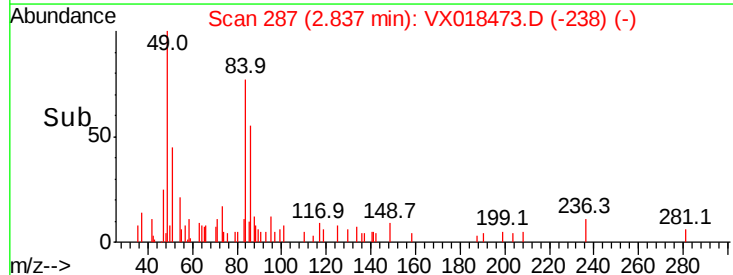
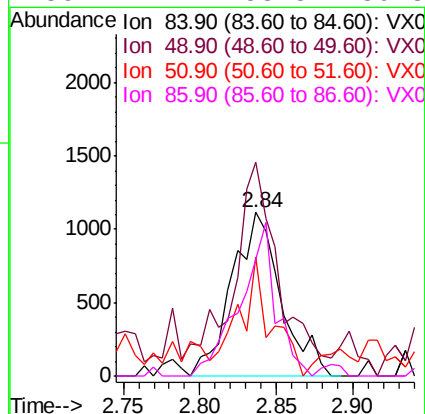
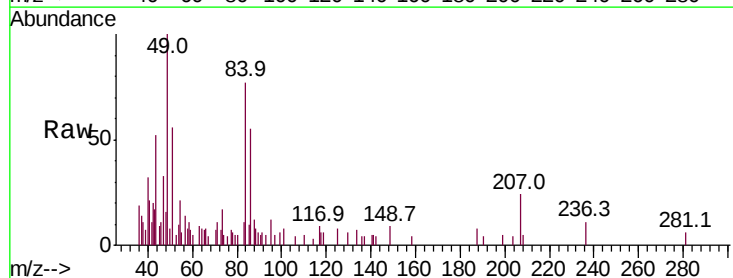
Tot Ion: 73 Resp: 1891103
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.0 27.0

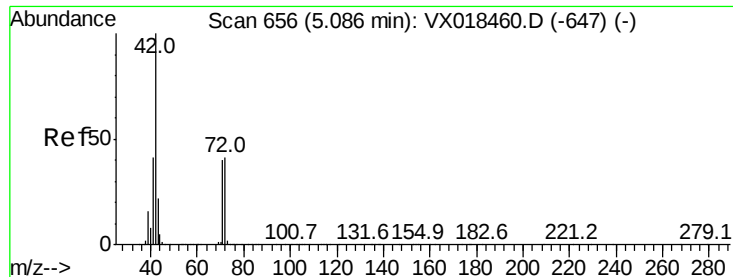


#20

Methylene Chloride
 Concen: 0.398 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX018473.D
 Acq: 17 Sep 2020 17:55

Tgt Ion: 84 Resp: 2481
 Ion Ratio Lower Upper
 84 100
 49 112.6 100.6 151.0
 51 56.5 30.9 46.3#
 86 71.2 53.5 80.3





#29

Tetrahydrofuran

Concen: 3.398 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

MW-4

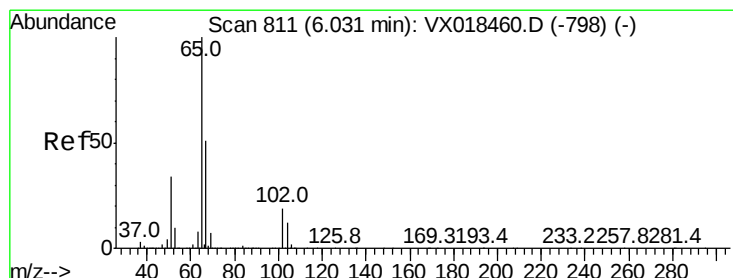
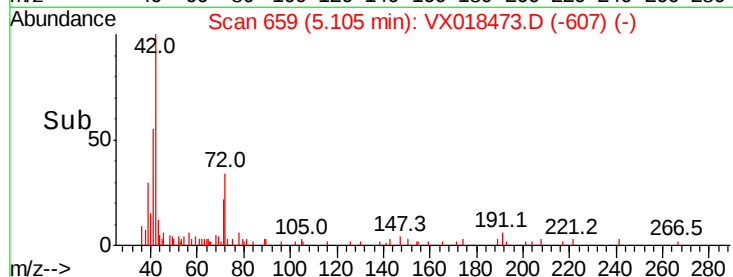
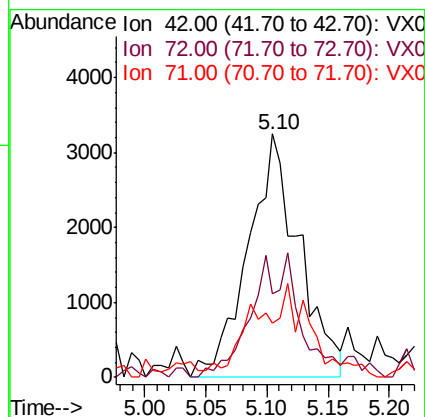
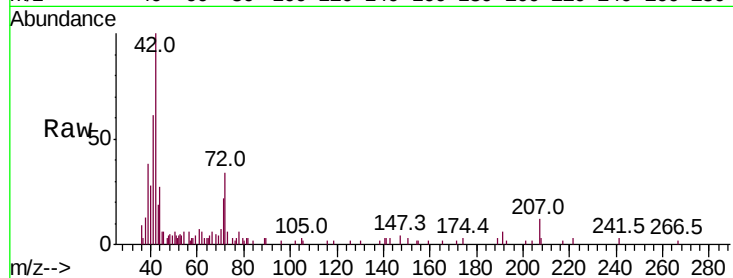
Tot Ion: 42 Resp: 9418

Ion Ratio Lower Upper

42 100

72 46.9 34.3 51.5

71 23.9 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 48.290 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018473.D

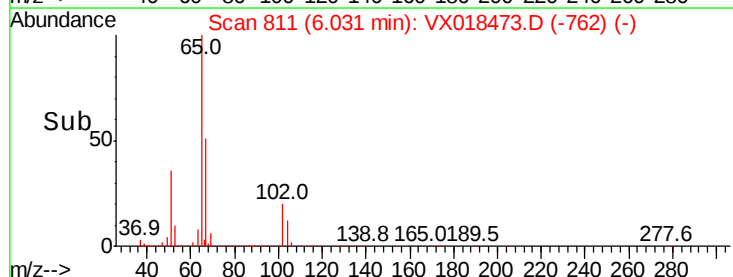
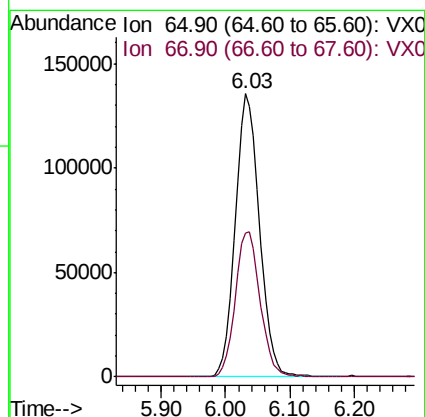
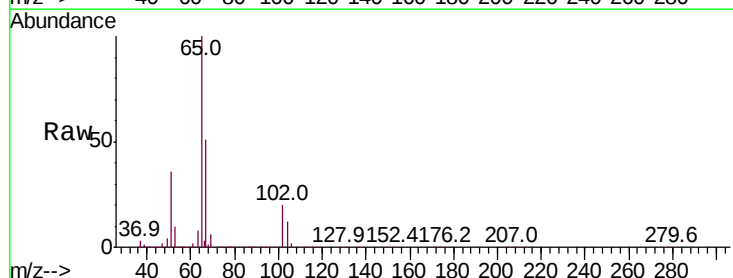
Acq: 17 Sep 2020 17:55

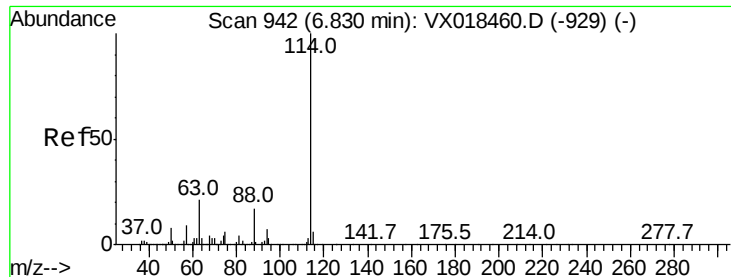
Tgt Ion: 65 Resp: 356553

Ion Ratio Lower Upper

65 100

67 52.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

Instrument :

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ClientSampleId :

MW-4

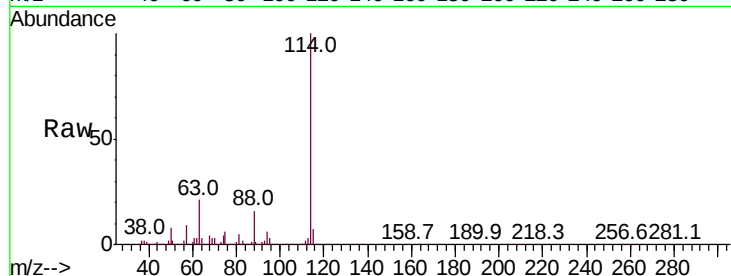
Tot Ion:114 Resp: 854519

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

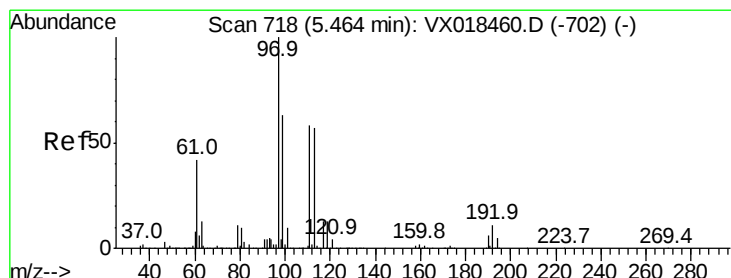
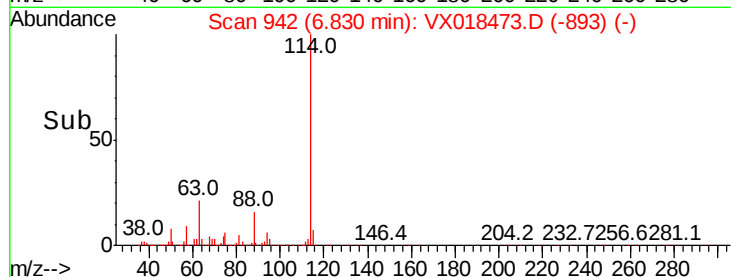
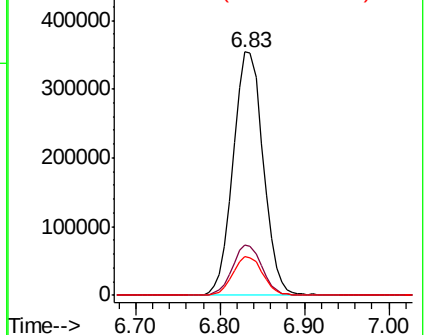
88 15.9 0.0 33.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.675 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

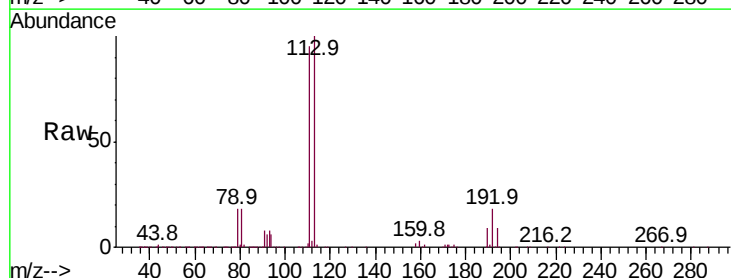
Tgt Ion:113 Resp: 287545

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.2

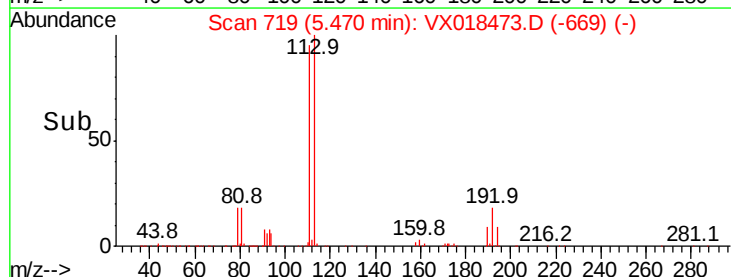
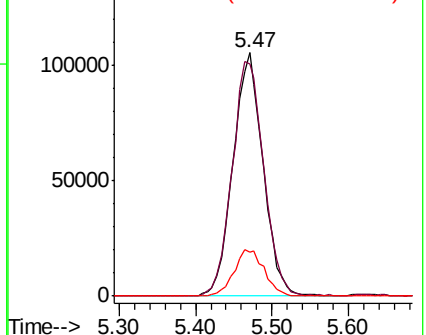
192 19.2 16.6 24.8

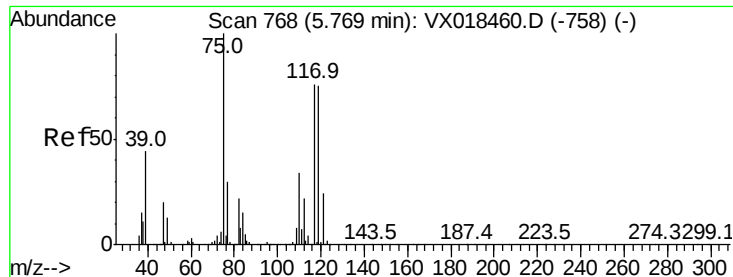


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.957 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

MW-4

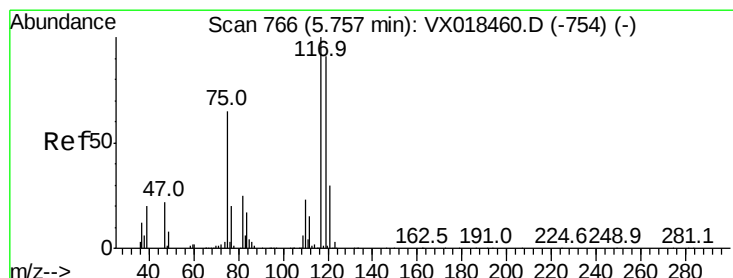
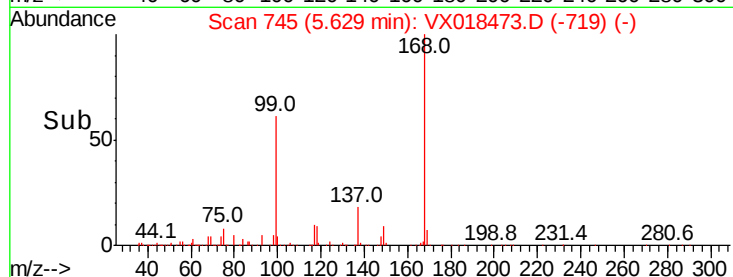
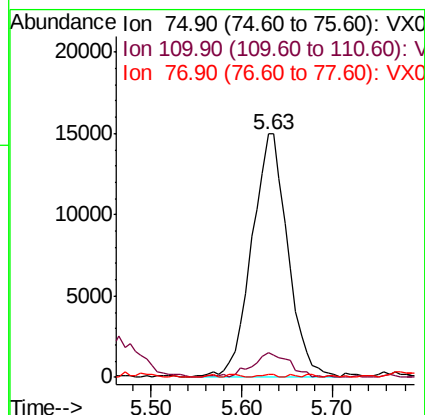
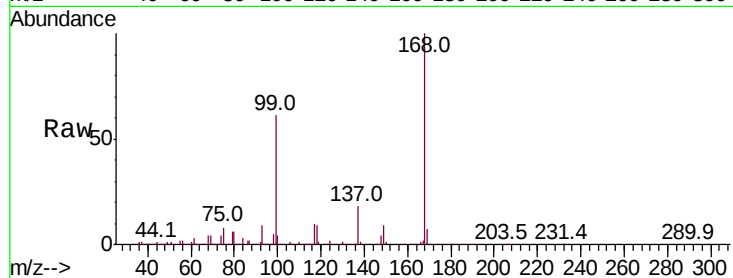
Tot Ion: 75 Resp: 41112

Ion Ratio Lower Upper

75 100

110 10.9 17.6 52.8#

77 0.4 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.800 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

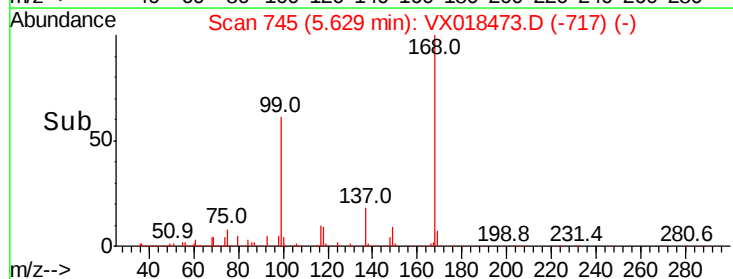
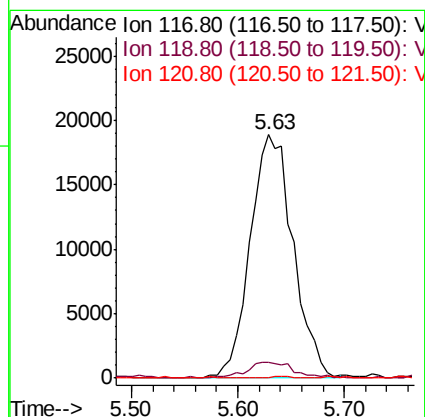
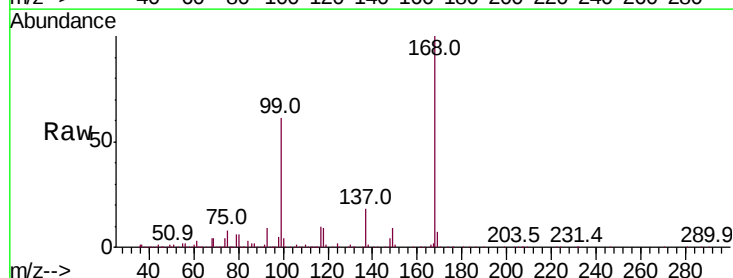
Tgt Ion: 117 Resp: 53276

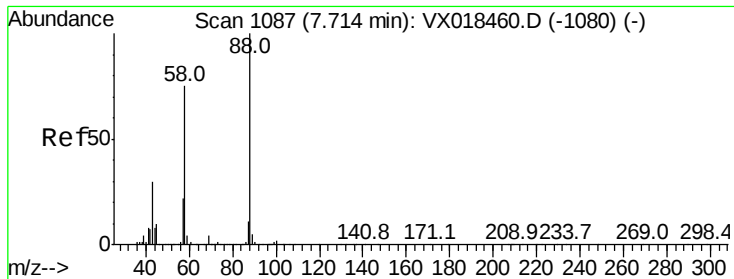
Ion Ratio Lower Upper

117 100

119 6.1 72.3 108.5#

121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 0.228 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

Instrument :

MSVOA_X

ClientSampled :

MW-4

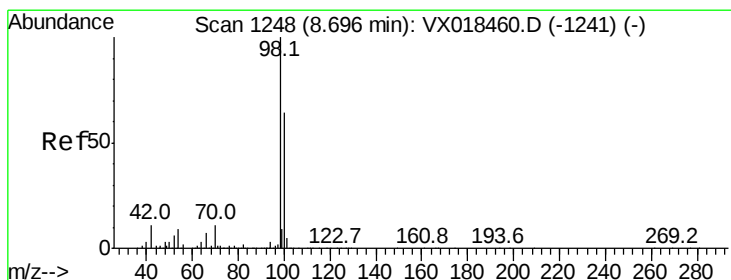
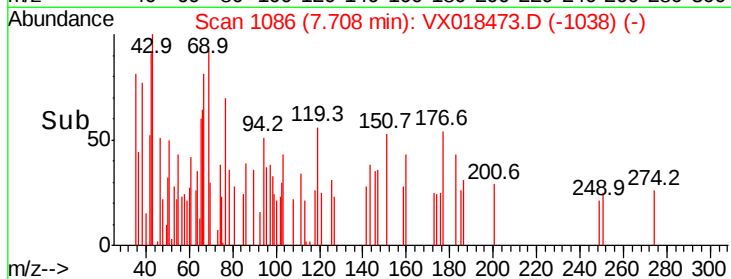
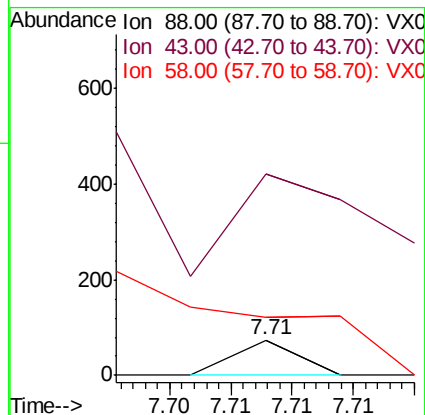
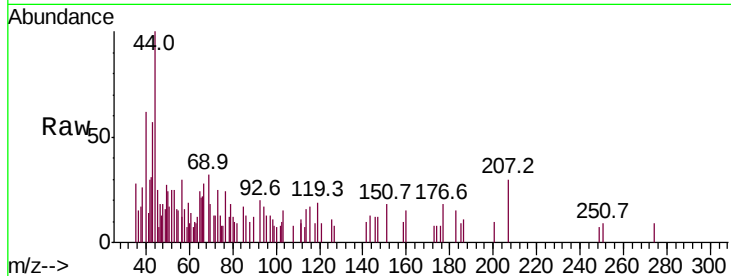
Tot Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

58 903.7 59.0 88.6#



#50

Toluene-d8

Concen: 48.016 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018473.D

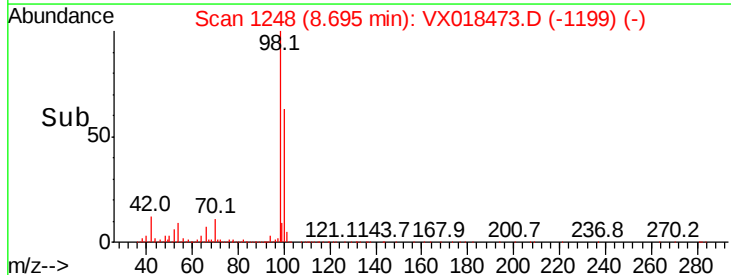
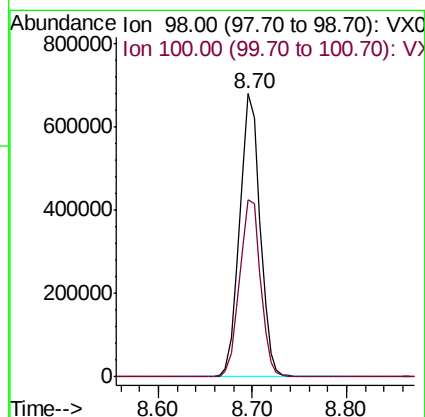
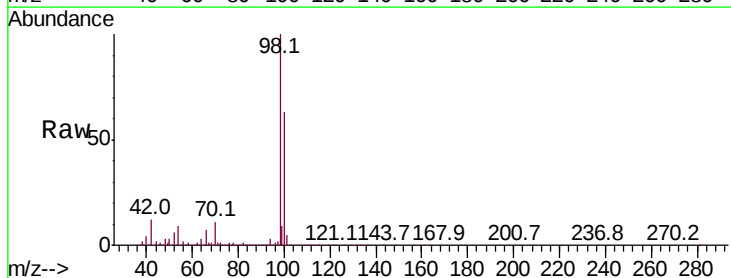
Acq: 17 Sep 2020 17:55

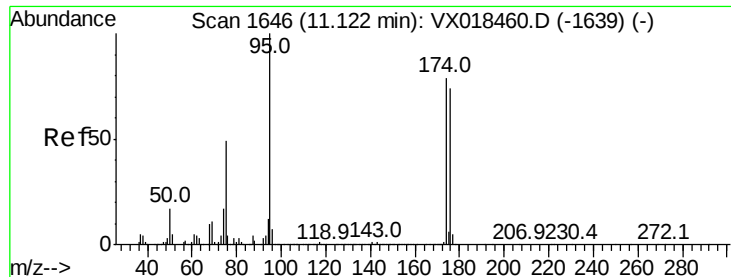
Tgt Ion: 98 Resp: 1030602

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 45.443 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

MW-4

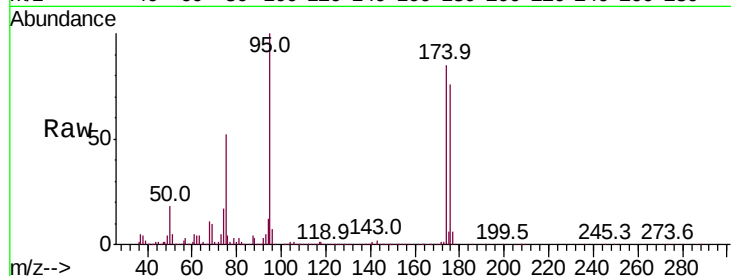
Tot Ion: 95 Resp: 387984

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.4

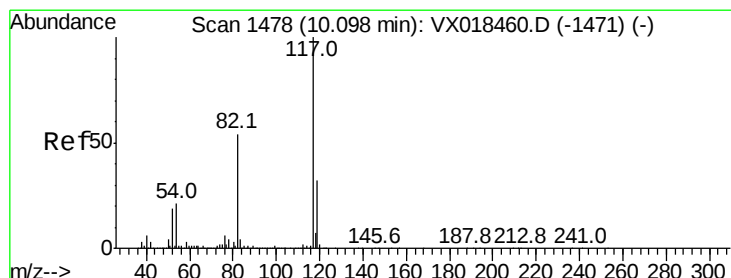
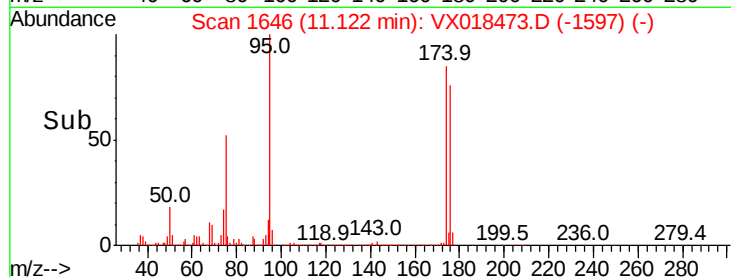
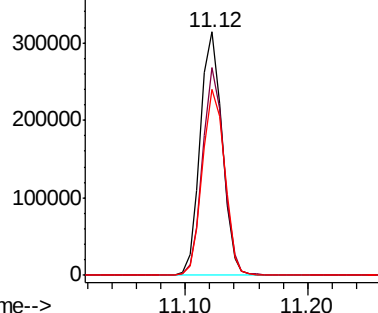
176 77.6 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

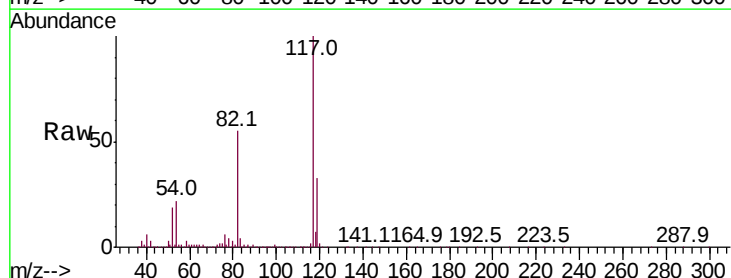
Tgt Ion: 117 Resp: 806053

Ion Ratio Lower Upper

117 100

82 54.9 43.3 64.9

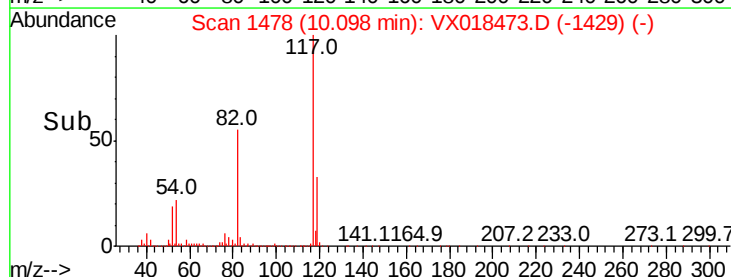
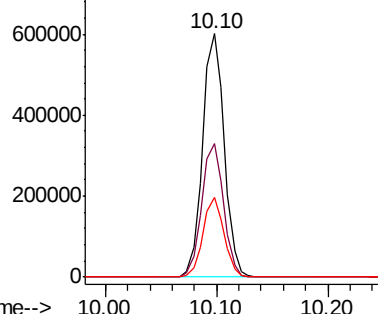
119 32.5 25.9 38.9

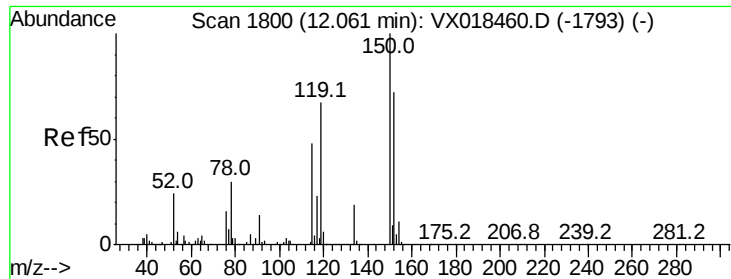


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

Instrument :

MSVOA_X

ClientSampled :

MW-4

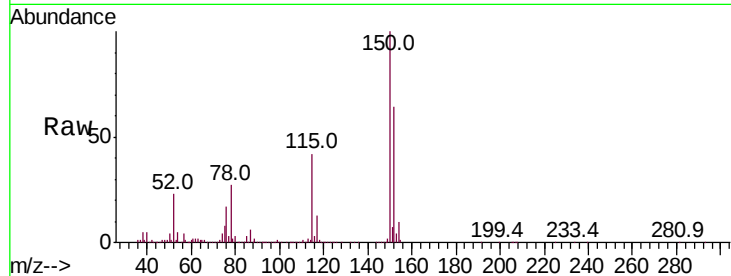
Tot Ion:152 Resp: 395108

Ion Ratio Lower Upper

152 100

115 60.9 41.8 125.4

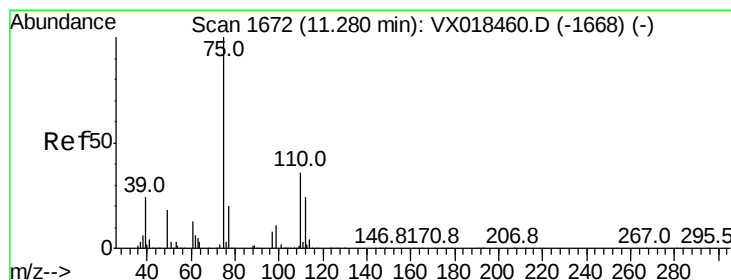
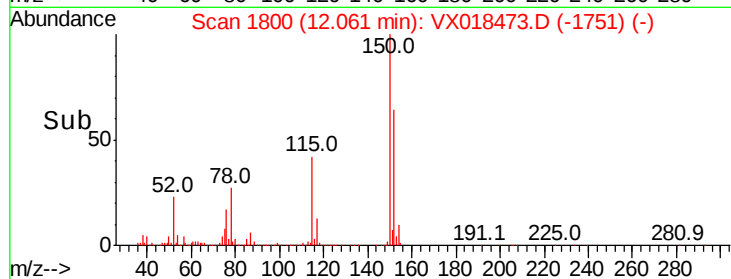
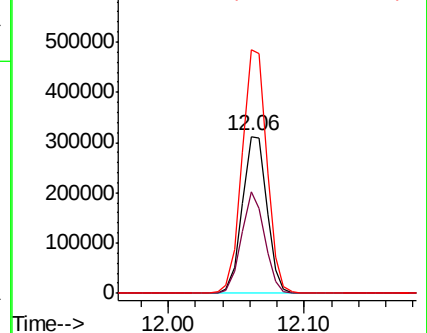
150 155.8 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.539 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018473.D

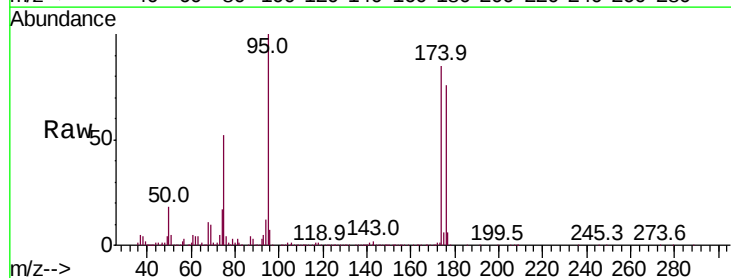
Acq: 17 Sep 2020 17:55

Tgt Ion: 75 Resp: 203747

Ion Ratio Lower Upper

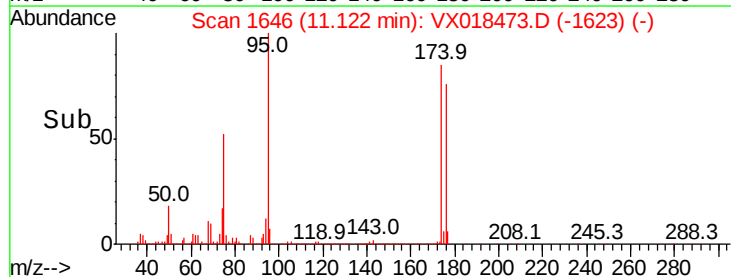
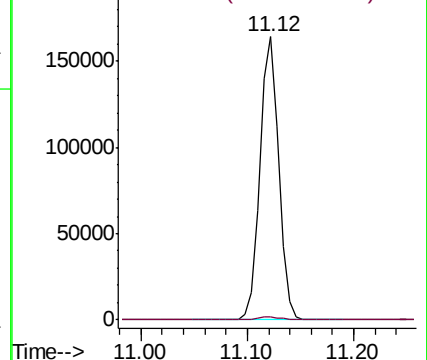
75 100

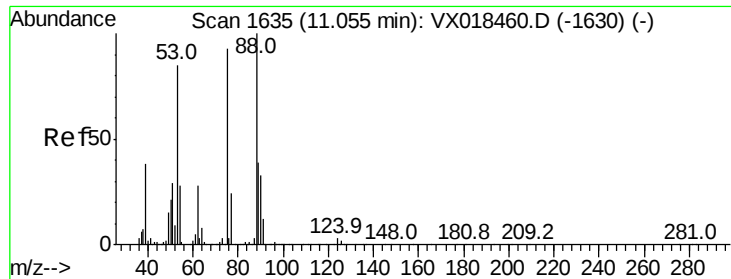
77 1.4 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.881 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018473.D

Acq: 17 Sep 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tot Ion: 75 Resp: 203747

Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

89 0.1 36.2 54.4#

