

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091720\
 Data File : VX018477.D
 Acq On : 17 Sep 2020 19:26
 Operator : JC/SP
 Sample : L4058-02 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

Quant Time: Sep 18 06:34:58 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	472833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	764102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	742093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	371243	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	331939	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	5.47	113	260341	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	8.70	98	919740	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.12	95	352646	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	

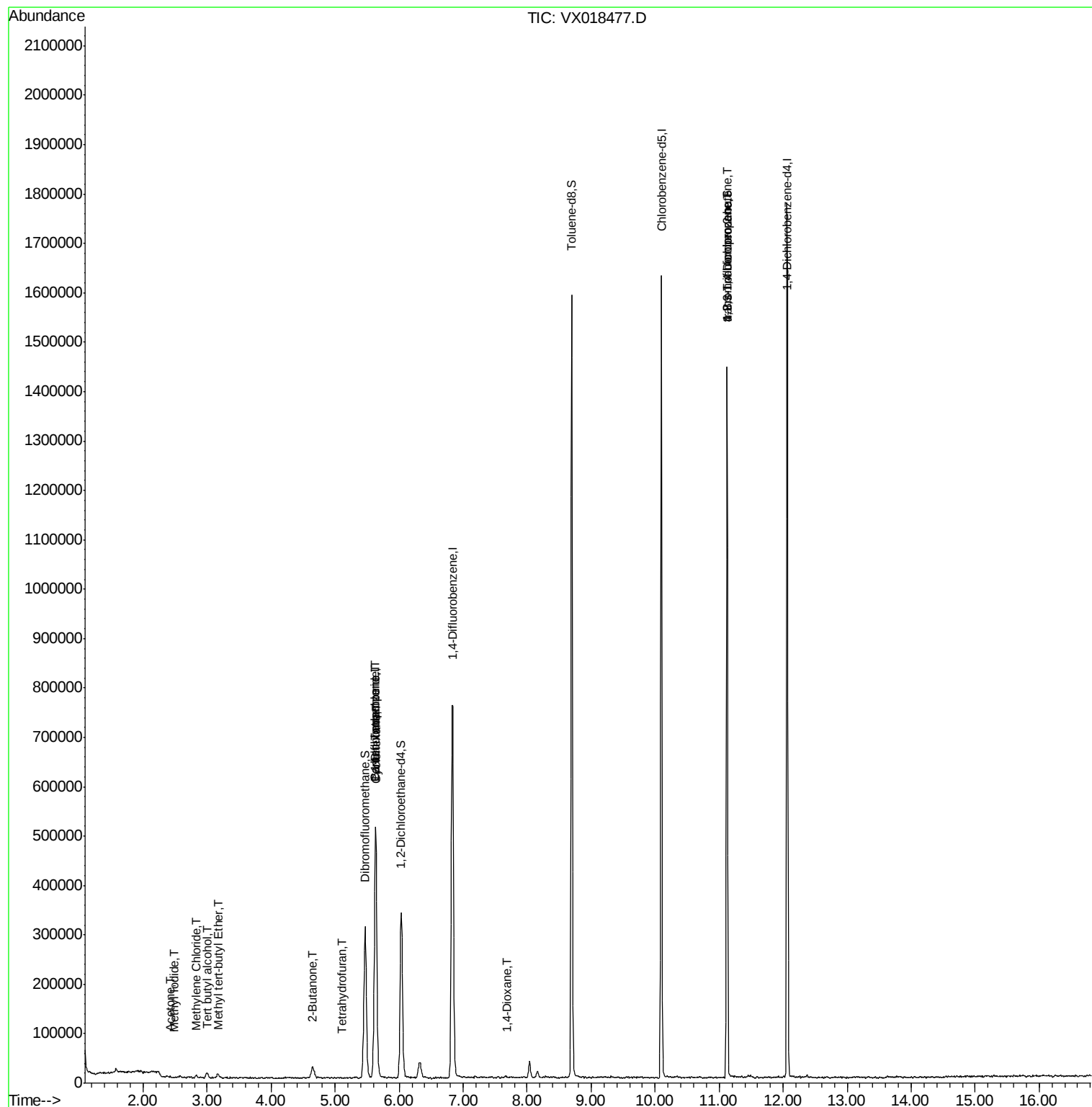
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.48	142	238	4.953	ug/l #	54
11) Tert butyl alcohol	3.00	59	9272	7.967	ug/l	100
16) Acetone	2.42	43	1939	0.758	ug/l #	45
19) Methyl tert-butyl Ether	3.17	73	8586	0.534	ug/l #	90
20) Methylene Chloride	2.84	84	2656	0.471	ug/l #	75
25) 2-Butanone	4.65	43	1869	0.469	ug/l #	87
29) Tetrahydrofuran	5.10	42	769	0.306	ug/l	93
31) Cyclohexane	5.64	56	10386	1.283	ug/l #	25
36) 1,1-Dichloropropene	5.63	75	37630	5.074	ug/l #	51
38) Carbon Tetrachloride	5.63	117	49267	5.998	ug/l #	22
49) 1,4-Dioxane	7.68	88	194	1.835	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	181754	23.298	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	181754	59.700	ug/l #	12

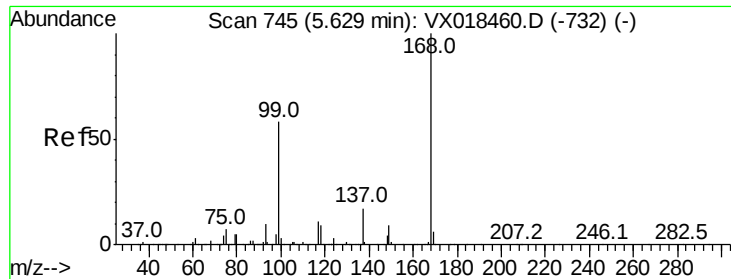
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

MSVOA_X

ClientSampleId :

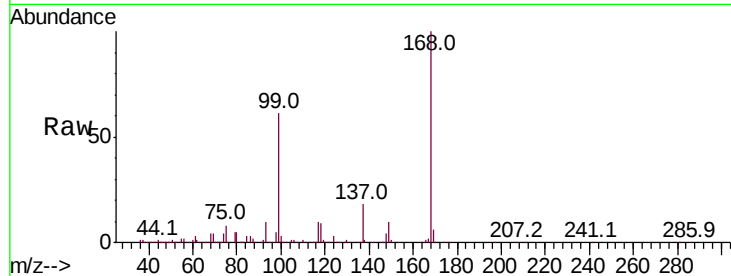
MW-2R

Tot Ion:168 Resp: 472833

Ion Ratio Lower Upper

168 100

99 60.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

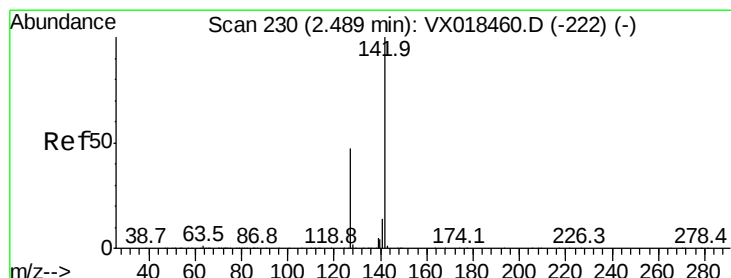
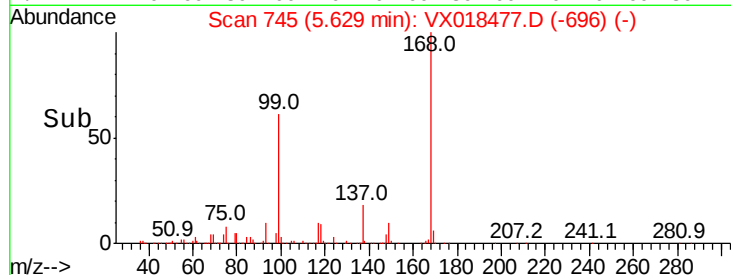
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 4.953 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

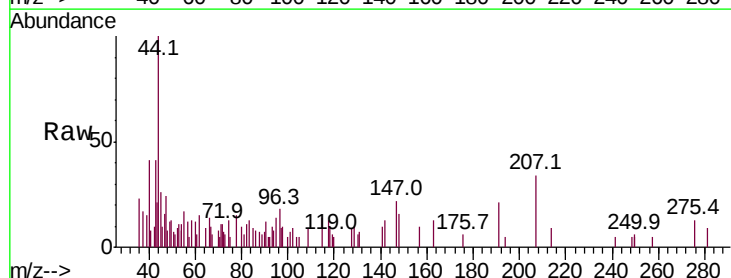
Tgt Ion:142 Resp: 238

Ion Ratio Lower Upper

142 100

127 75.2 36.0 54.0#

141 34.5 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

500

400

300

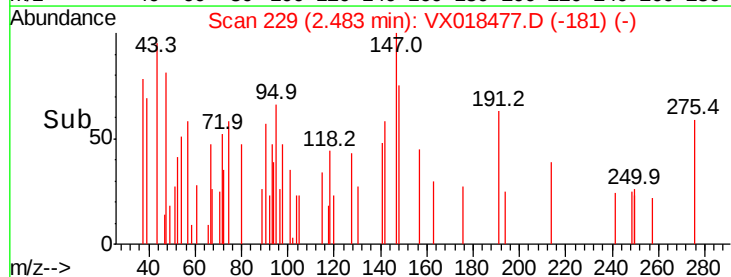
200

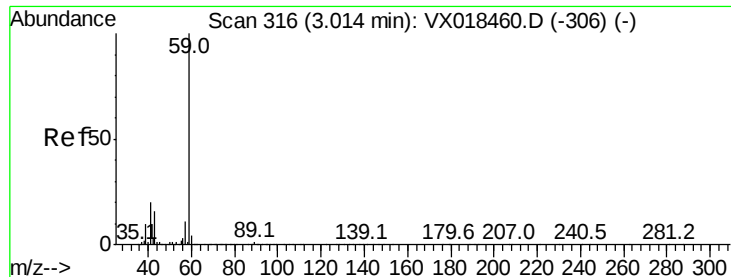
100

0

2.45 2.50

Time-->

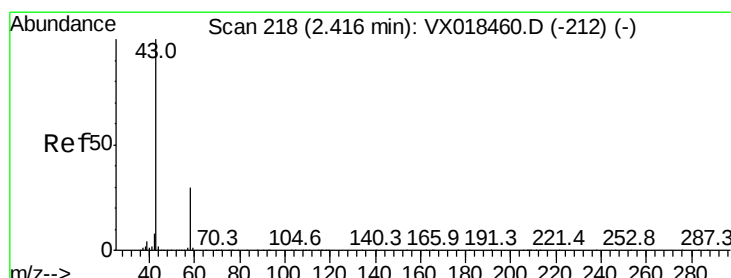
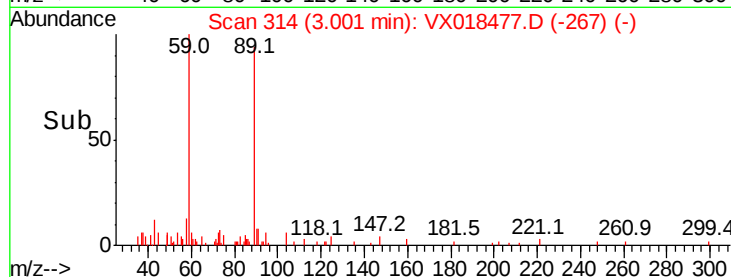
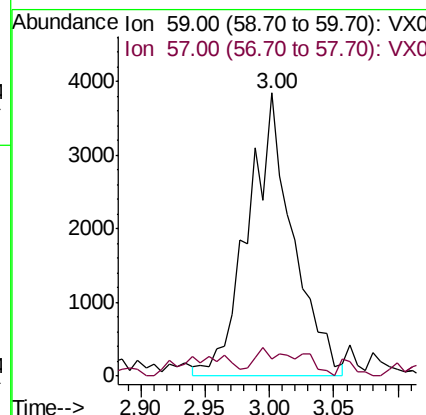
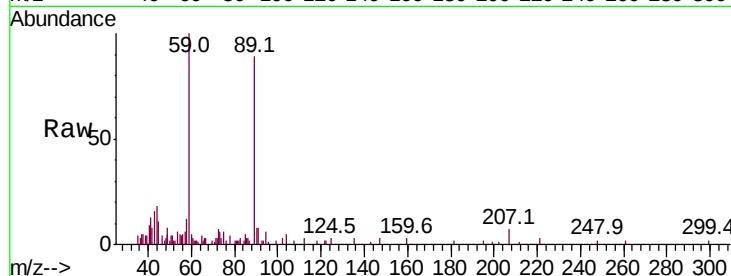




#11
Tert butvl alcohol
Concen: 7.967 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX018477.D
Acq: 17 Sep 2020 19:26

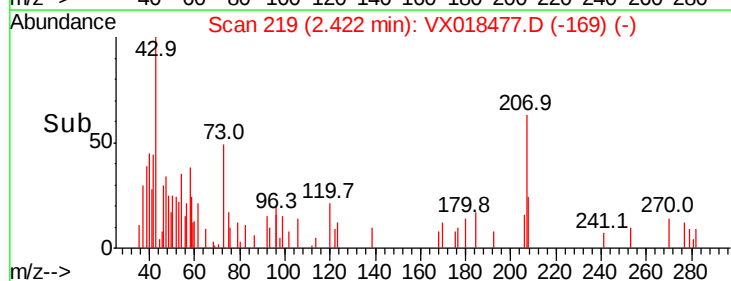
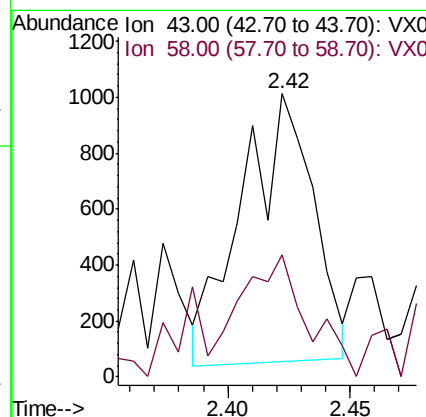
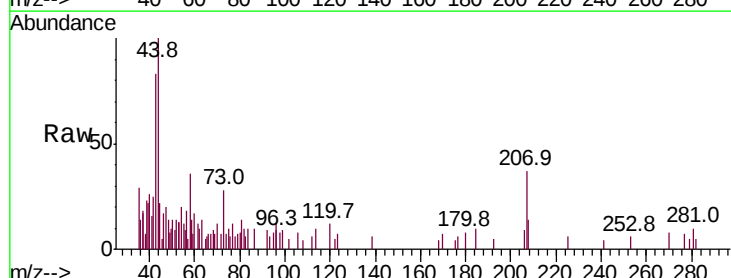
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

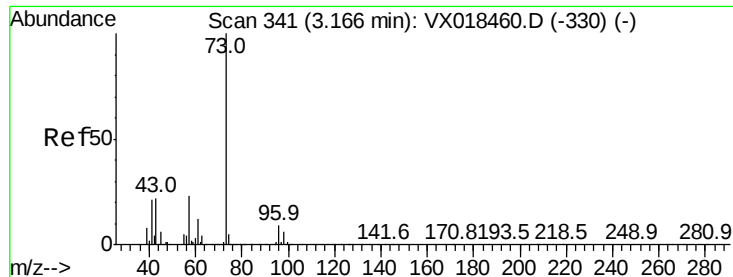
Tot Ion: 59 Resp: 9272
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4



#16
Acetone
Concen: 0.758 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX018477.D
Acq: 17 Sep 2020 19:26

Tgt Ion: 43 Resp: 1939
Ion Ratio Lower Upper
43 100
58 59.9 24.0 36.0#



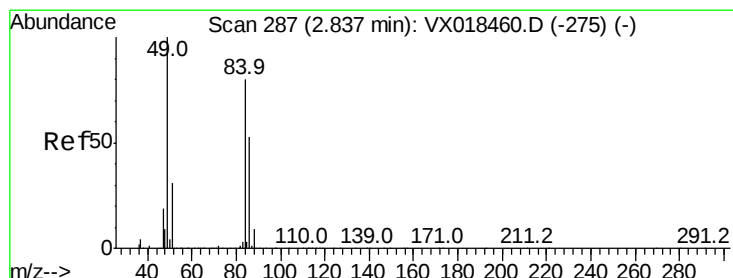
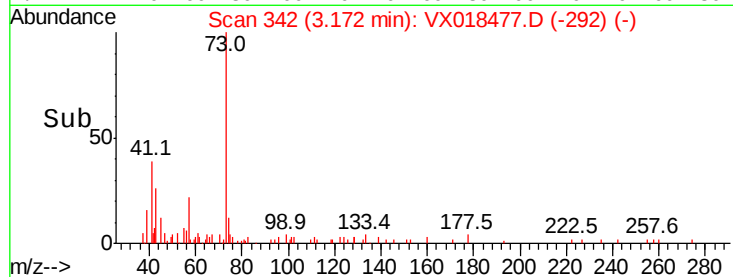
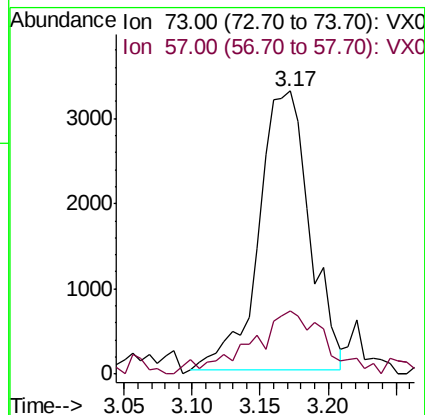
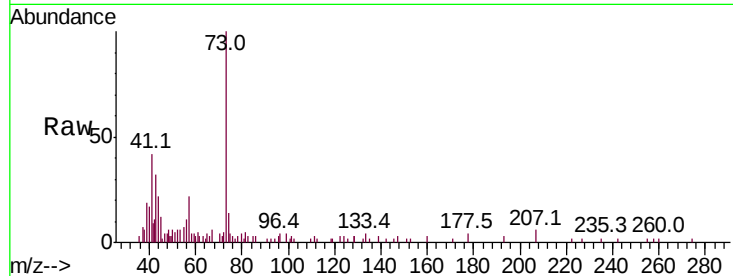


#19

Methyl tert-butyl Ether
 Concen: 0.534 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX018477.D
 Acq: 17 Sep 2020 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

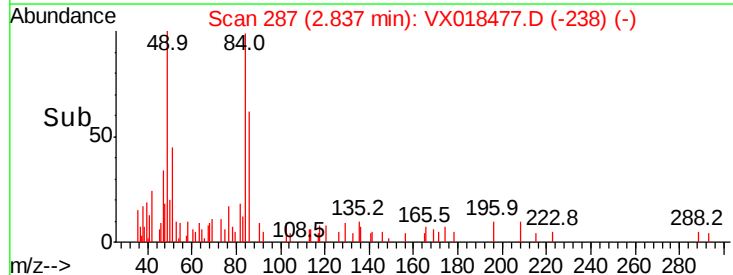
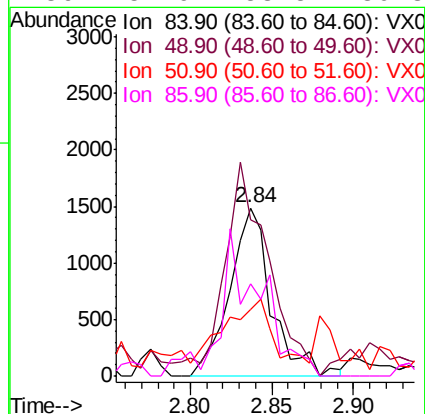
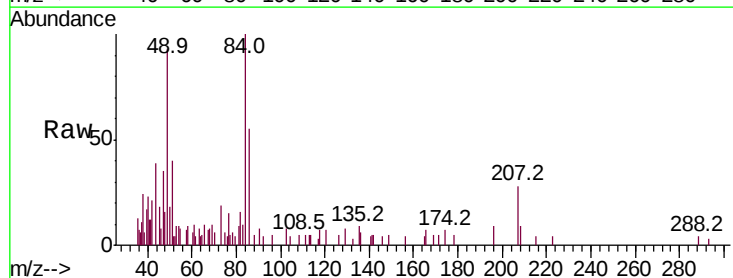
Tot Ion: 73 Resp: 8586
 Ion Ratio Lower Upper
 73 100
 57 17.8 18.0 27.0#

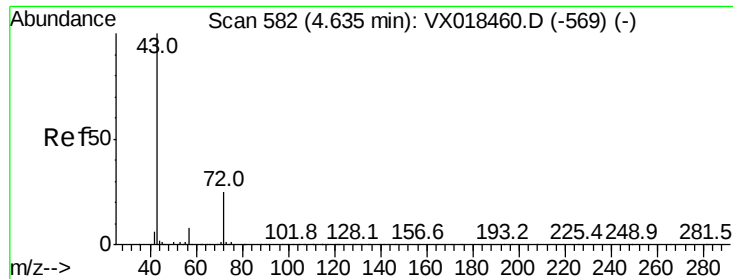


#20

Methylene Chloride
 Concen: 0.471 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX018477.D
 Acq: 17 Sep 2020 19:26

Tgt Ion: 84 Resp: 2656
 Ion Ratio Lower Upper
 84 100
 49 83.4 100.6 151.0#
 51 36.8 30.9 46.3
 86 54.9 53.5 80.3





#25

2-Butanone

Concen: 0.469 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

MSVOA_X

ClientSampleId :

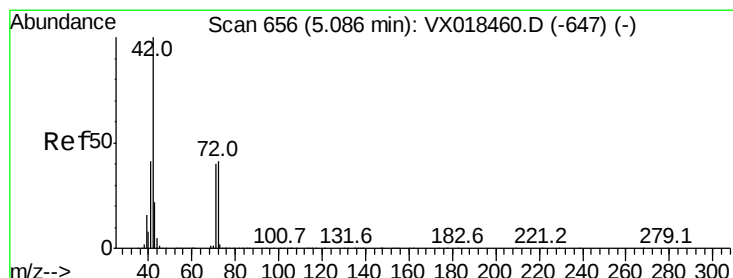
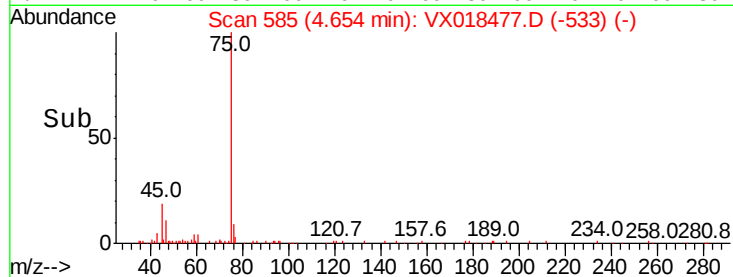
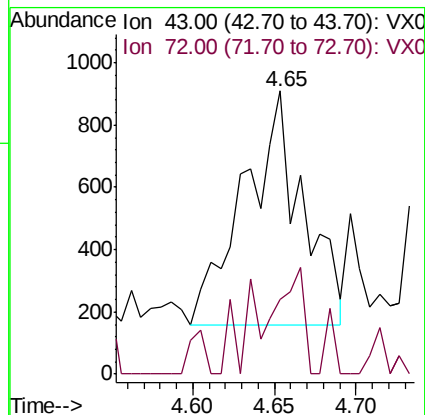
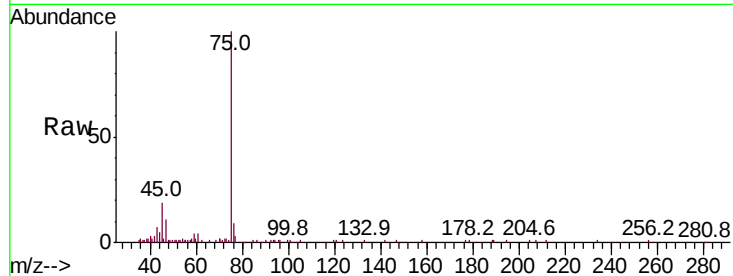
MW-2R

Tot Ion: 43 Resp: 1869

Ion Ratio Lower Upper

43 100

72 31.9 20.2 30.4#



#29

Tetrahydrofuran

Concen: 0.306 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

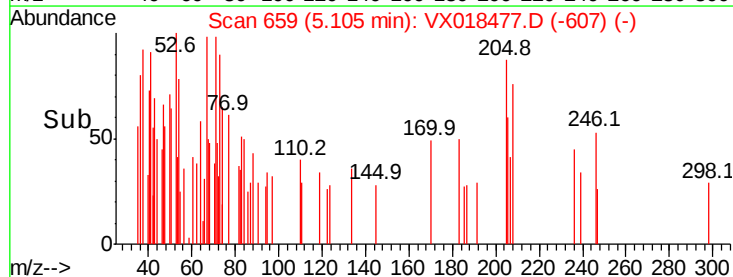
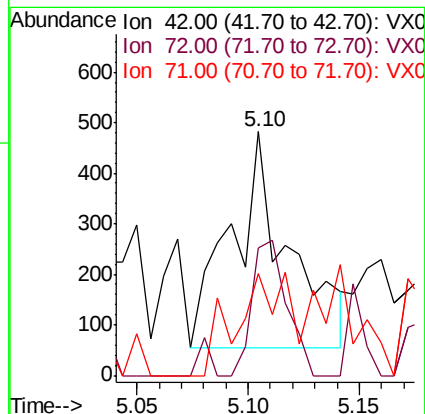
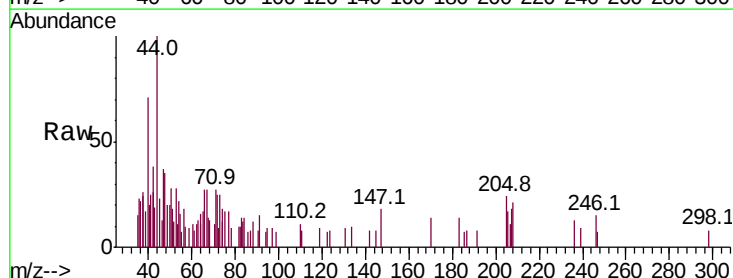
Tgt Ion: 42 Resp: 769

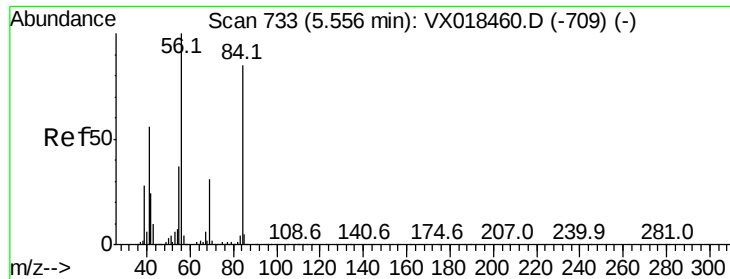
Ion Ratio Lower Upper

42 100

72 38.1 34.3 51.5

71 43.7 32.1 48.1

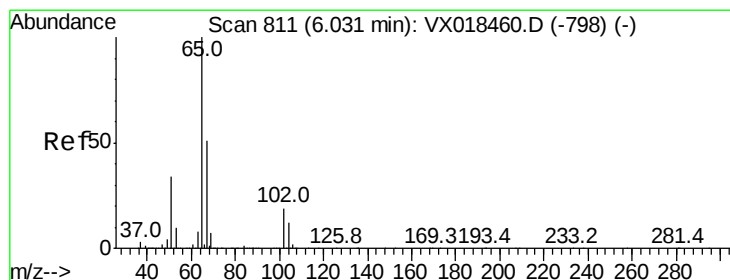
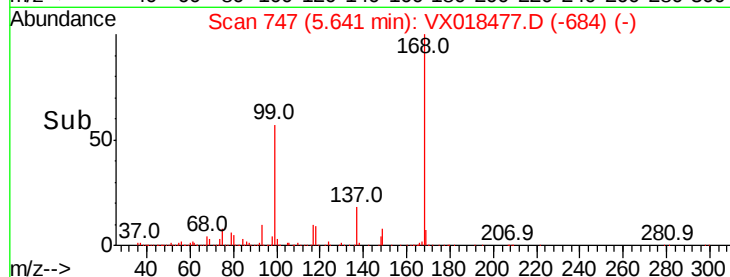
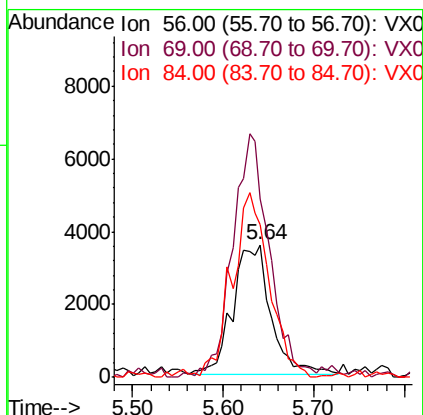
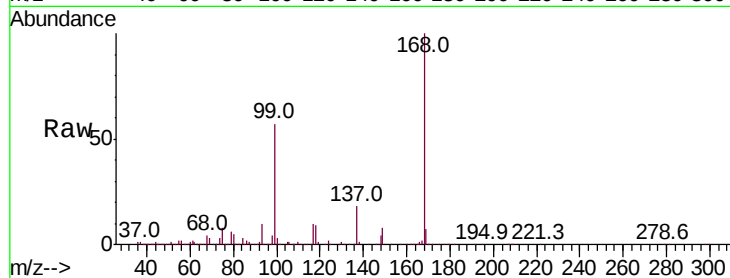




#31
Cvclohexane
Concen: 1.283 ug/l
RT: 5.64 min Scan# 747
Delta R.T. 0.09 min
Lab File: VX018477.D
Acq: 17 Sep 2020 19:26

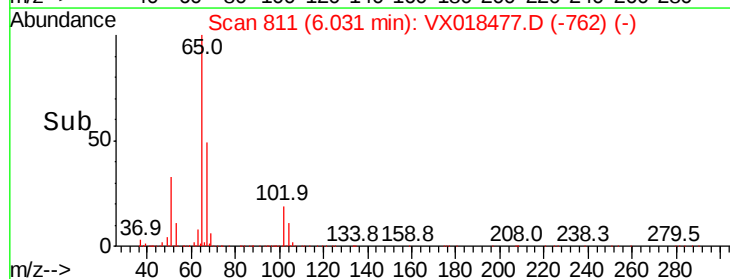
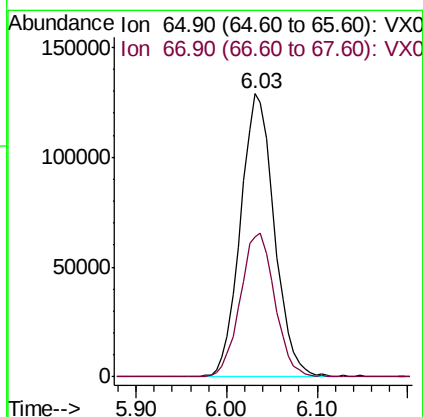
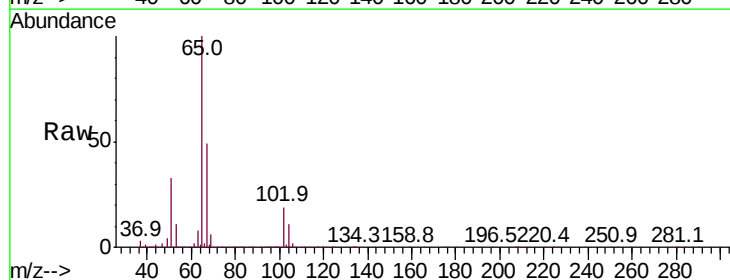
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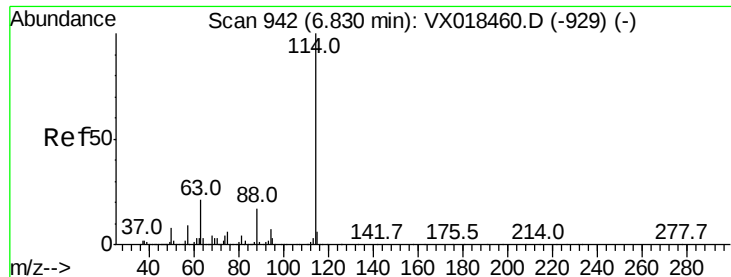
Tot Ion: 56 Resp: 10386
Ion Ratio Lower Upper
56 100
69 134.8 24.8 37.2#
84 115.2 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.625 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018477.D
Acq: 17 Sep 2020 19:26

Tgt Ion: 65 Resp: 331939
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

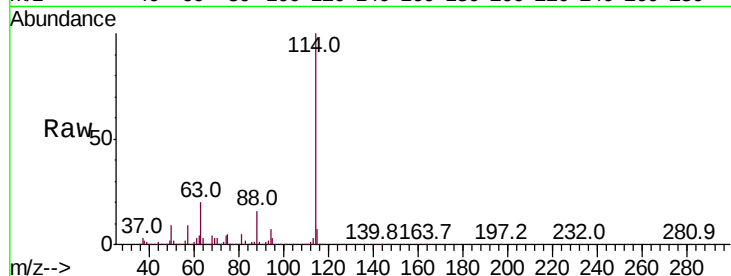
Tot Ion:114 Resp: 764102

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

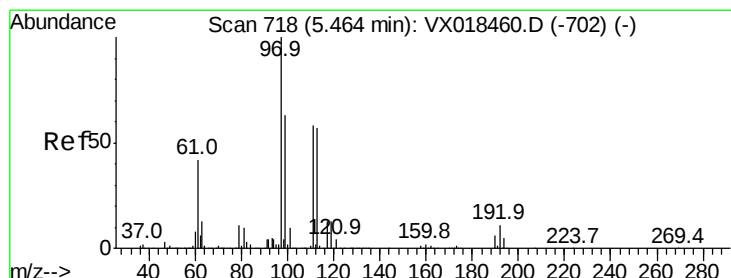
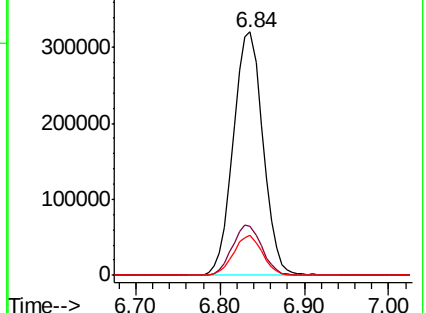
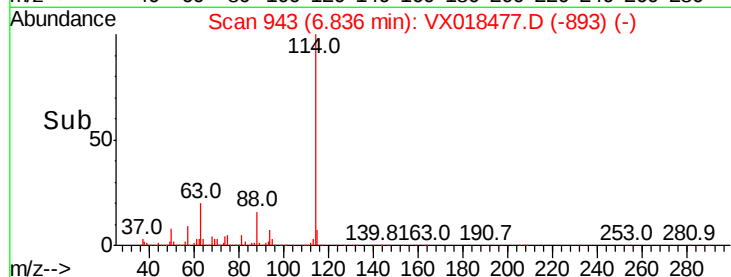
88 16.3 0.0 33.6



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: 49.285 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

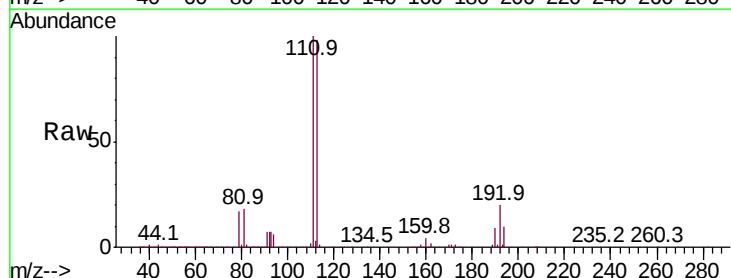
Tgt Ion:113 Resp: 260341

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.2

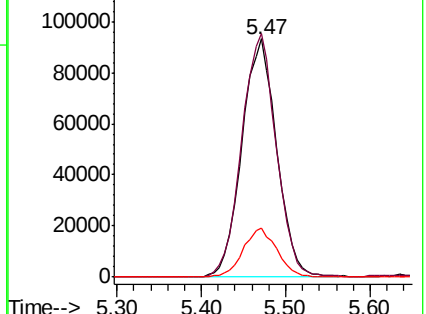
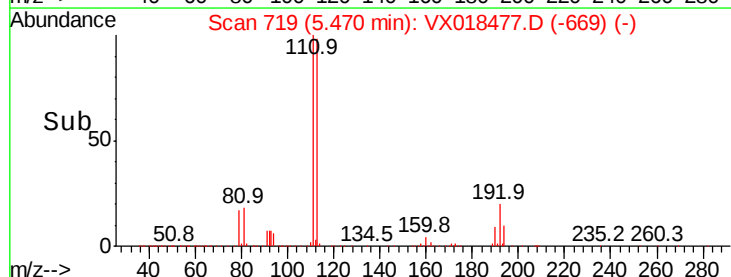
192 20.1 16.6 24.8

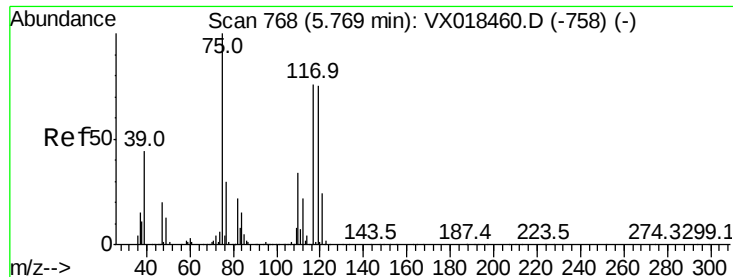


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.074 ug/l

RT: 5.63 min Scan# 745

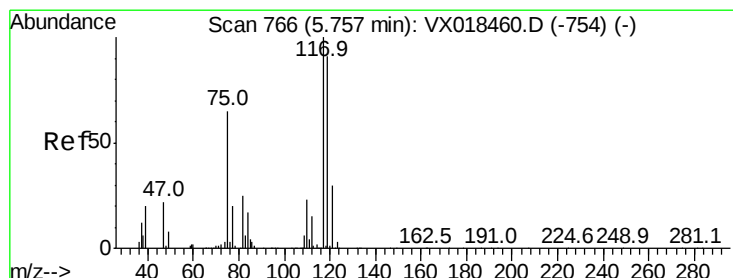
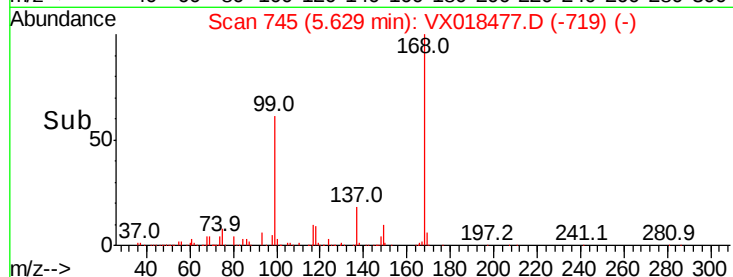
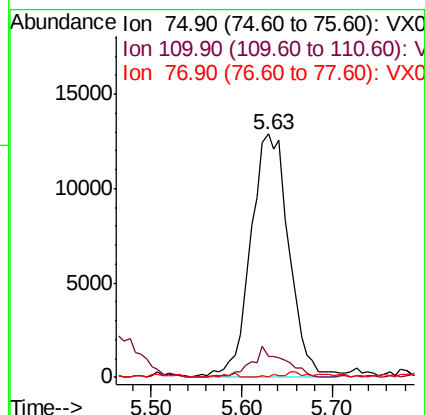
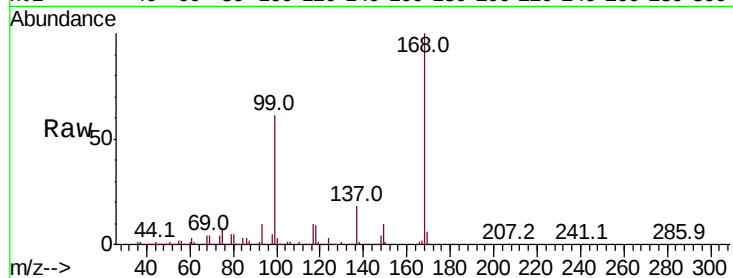
Delta R.T. -0.14 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

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Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.6	52.8#
77	0.0	25.0	37.6#



#38

Carbon Tetrachloride

Concen: 5.998 ug/l

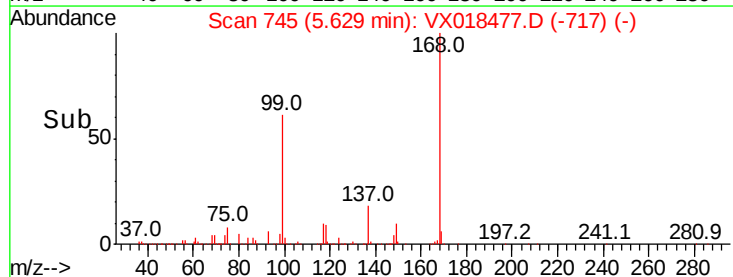
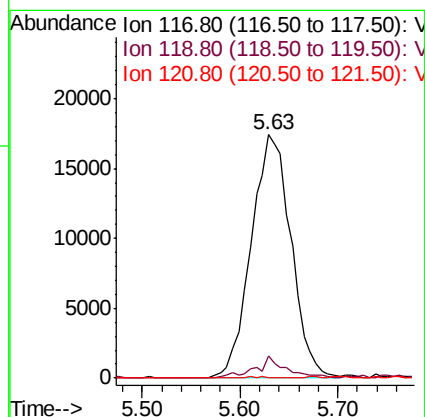
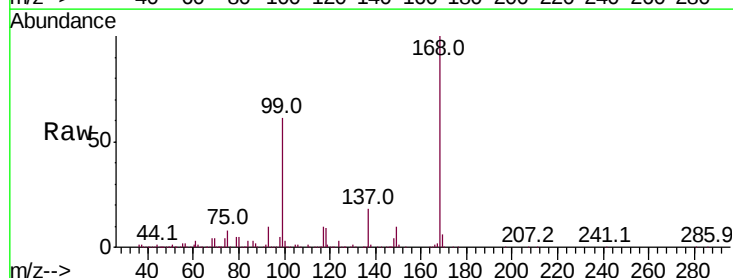
RT: 5.63 min Scan# 745

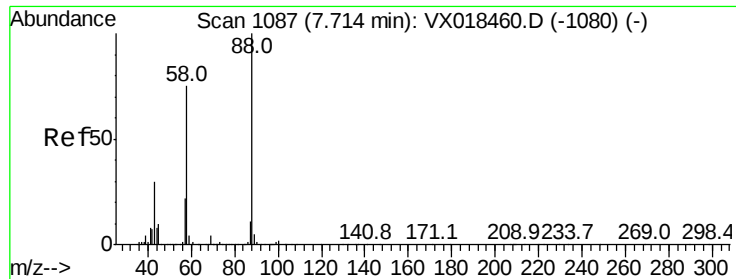
Delta R.T. -0.13 min

Lab File: VX018477.D

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Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.9	72.3	108.5#
121	0.3	23.8	35.8#





#49

1,4-Dioxane

Concen: 1.835 ug/l

RT: 7.68 min Scan# 1082

Delta R.T. -0.03 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

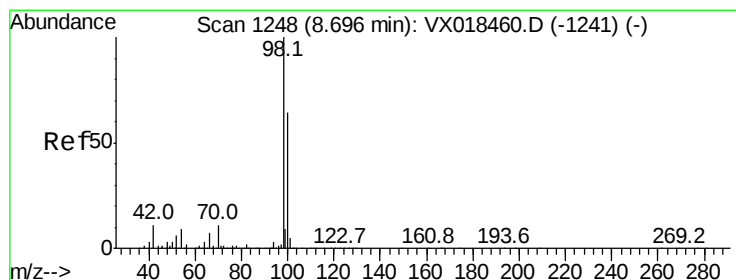
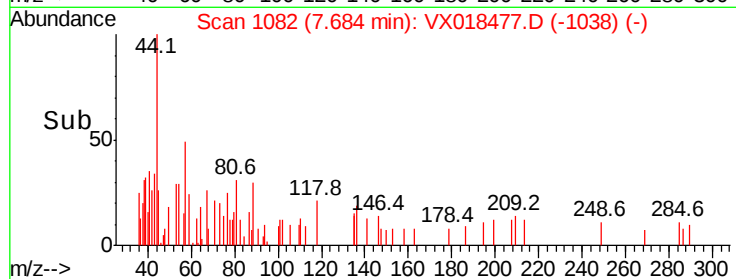
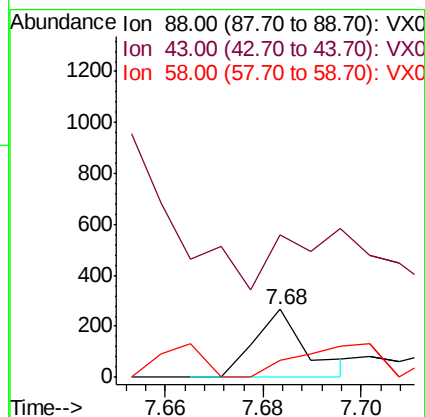
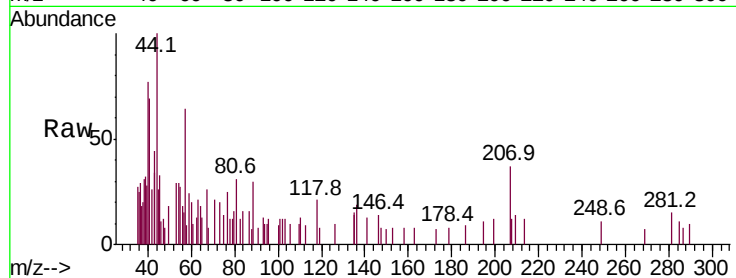
MSVOA_X

ClientSampled :

MW-2R

Tot Ion: 88 Resp: 194

Ion	Ratio	Lower	Upper
88	100		
43	216.5	29.9	44.9#
58	78.9	59.0	88.6



#50

Toluene-d8

Concen: 47.922 ug/l

RT: 8.70 min Scan# 1248

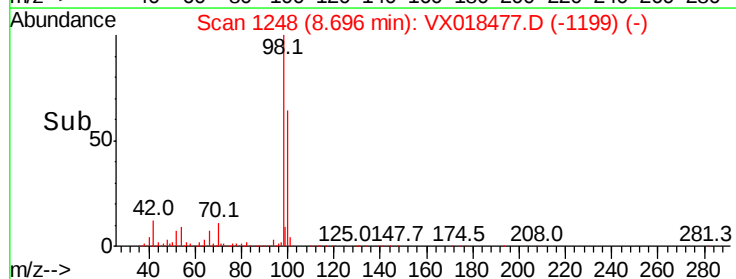
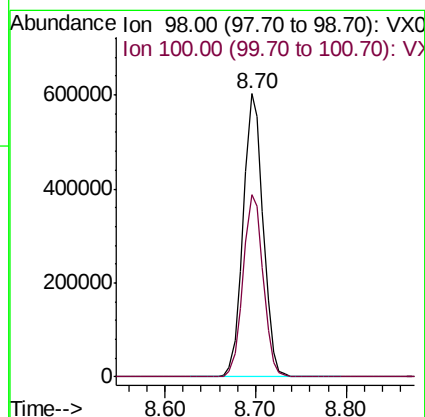
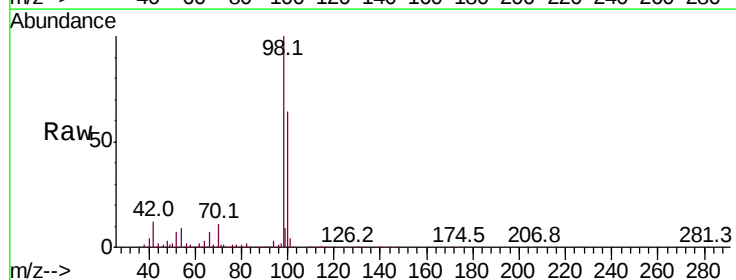
Delta R.T. -0.00 min

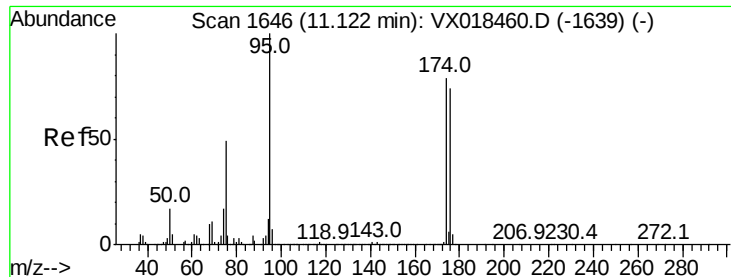
Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Tgt Ion: 98 Resp: 919740

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





#62

4-Bromofluorobenzene

Concen: 46.192 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

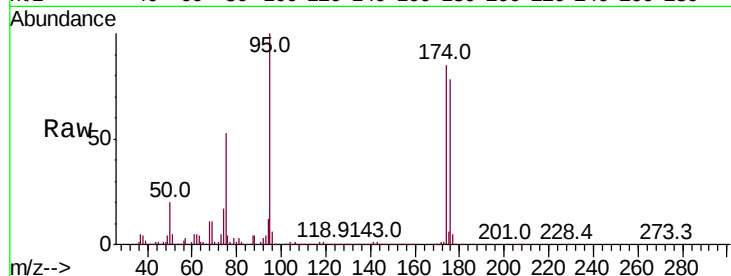
Tot Ion: 95 Resp: 352646

Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.4

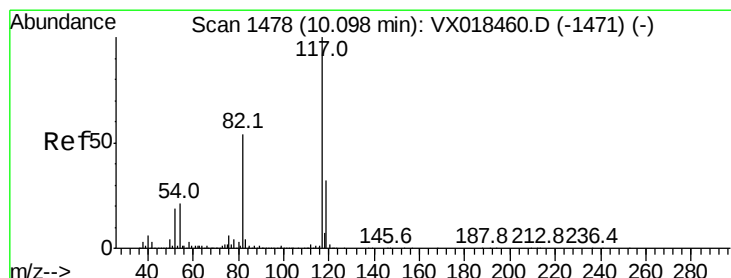
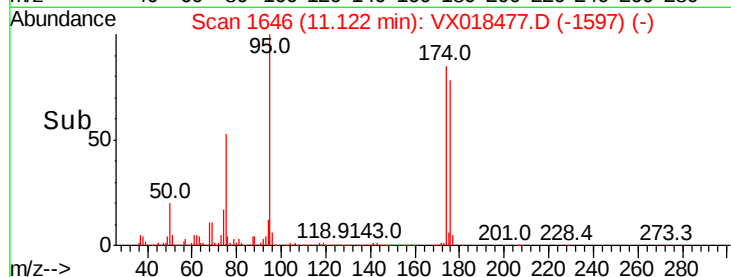
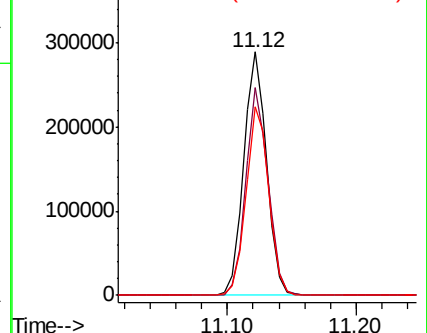
176 77.2 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX018460.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018460.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018460.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

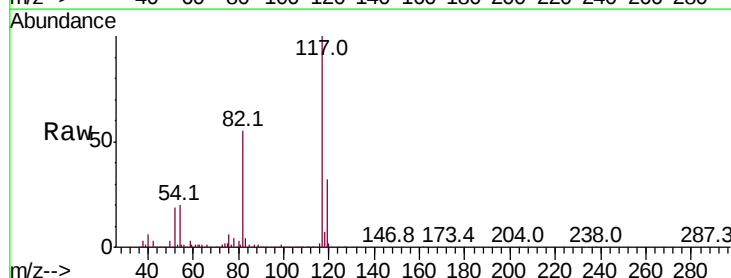
Tgt Ion: 117 Resp: 742093

Ion Ratio Lower Upper

117 100

82 54.5 43.3 64.9

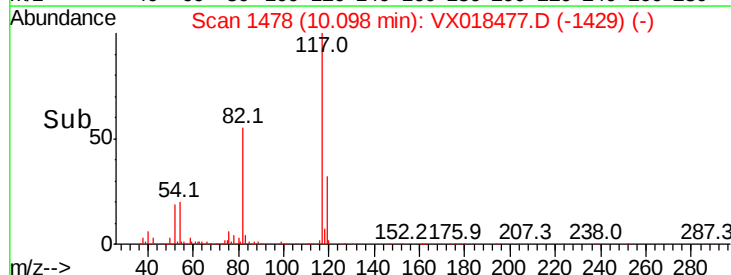
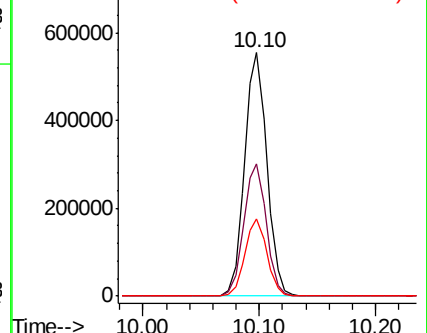
119 31.8 25.9 38.9

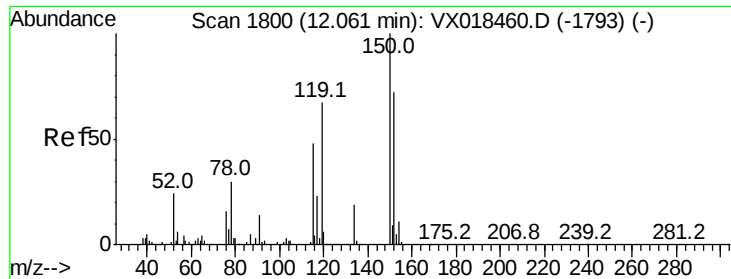


Abundance Ion 116.90 (116.60 to 117.60): VX018460.D (-1471) (-)

Ion 82.00 (81.70 to 82.70): VX018460.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX018460.D (-1471) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

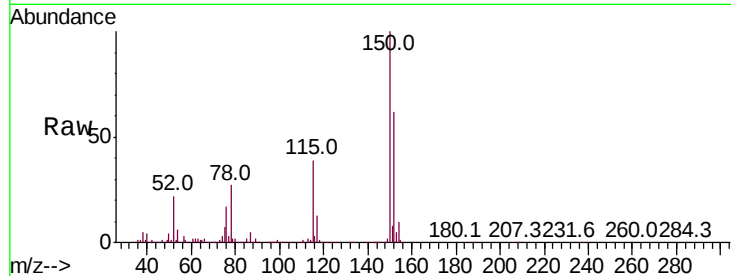
Tot Ion:152 Resp: 371243

Ion Ratio Lower Upper

152 100

115 57.2 41.8 125.4

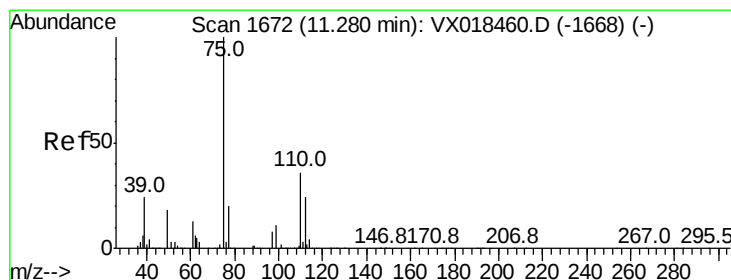
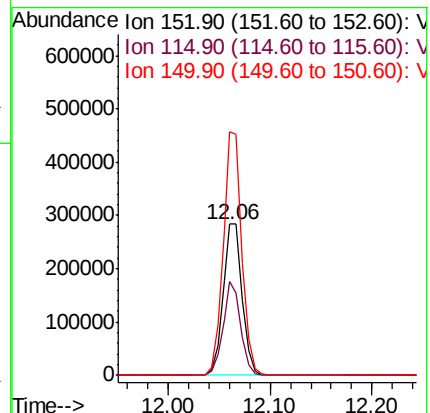
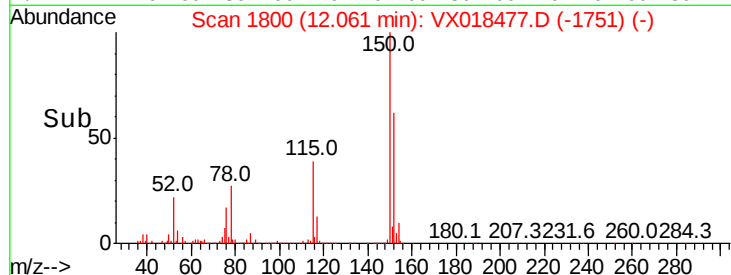
150 156.9 0.0 342.4



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: 23.298 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018477.D

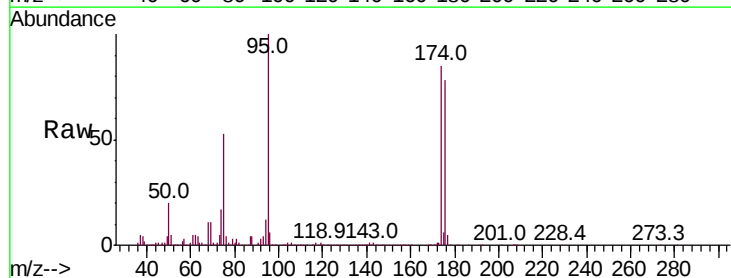
Acq: 17 Sep 2020 19:26

Tgt Ion: 75 Resp: 181754

Ion Ratio Lower Upper

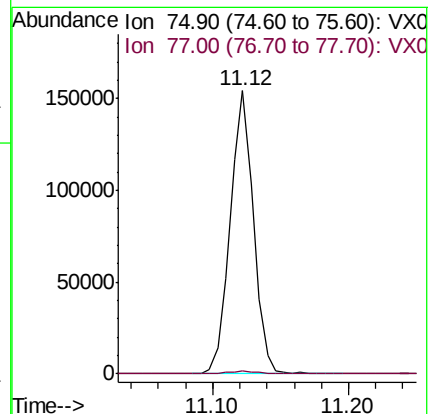
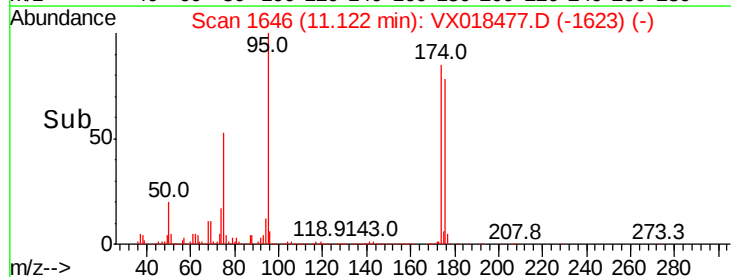
75 100

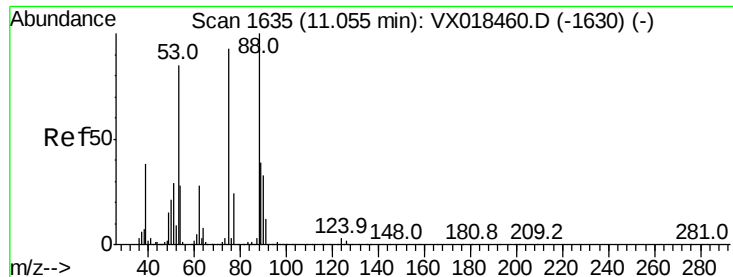
77 1.5 20.9 62.7#



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: 59.700 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

Tot Ion: 75 Resp: 181754

Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

89 0.1 36.2 54.4#

