

Data File : VX017236.D
Acq On : 08 Jul 2020 04:46
Operator : JC/SP
Sample : L3232-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1011-MW-18

Quant Time: Jul 08 06:13:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	244808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	417009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	436062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233058	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	165837	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
35) Dibromofluoromethane	5.46	113	142586	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
50) Toluene-d8	8.70	98	508359	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.12	95	210285	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	

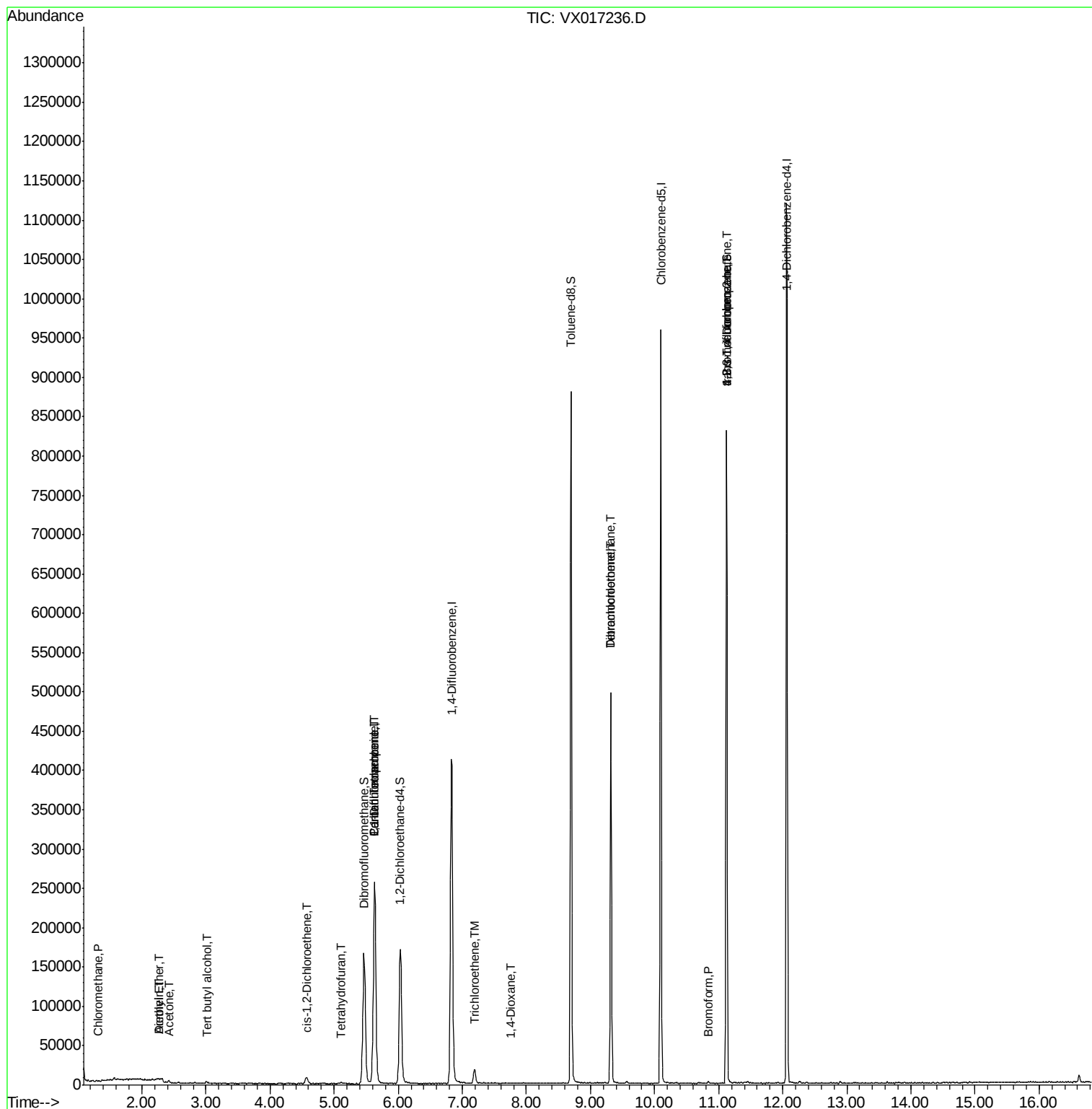
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	639	0.223	ug/l #	85
8) Diethyl Ether	2.27	74	184	0.503	ug/l	93
11) Tert butyl alcohol	3.01	59	2284	3.967	ug/l #	84
13) Acrolein	2.27	56	230	0.668	ug/l #	1
16) Acetone	2.42	43	3313	2.934	ug/l	89
20) Methylene Chloride	2.84	84	338	Below Cal	#	80
27) cis-1,2-Dichloroethene	4.57	96	5056	1.660	ug/l	83
29) Tetrahydrofuran	5.11	42	1928	1.551	ug/l #	79
36) 1,1-Dichloropropene	5.63	75	18078	4.587	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25079	5.777	ug/l #	17
44) Trichloroethene	7.20	130	7202	1.956	ug/l	90
49) 1,4-Dioxane	7.74	88	22	0.308	ug/l #	1
60) Dibromochloromethane	9.32	129	87638	25.544	ug/l #	11
64) Tetrachloroethene	9.32	164	97786	27.786	ug/l	94
71) Bromoform	10.84	173	977	0.355	ug/l #	96
76) 1,2,3-Trichloropropane	11.12	75	102890	22.451	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102890	58.139	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	647	Below Cal	#	1

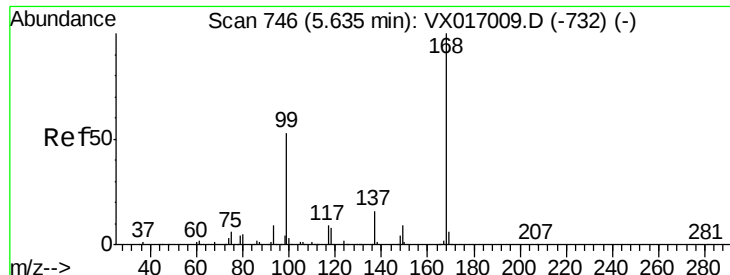
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

Instrument :

MSVOA_X

ClientSampled :

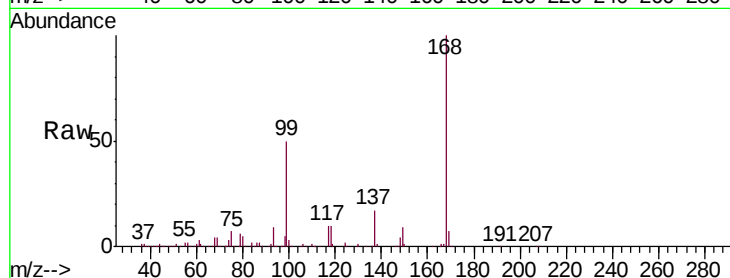
1011-MW-18

Tgt Ion:168 Resp: 244808

Ion Ratio Lower Upper

168 100

99 50.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

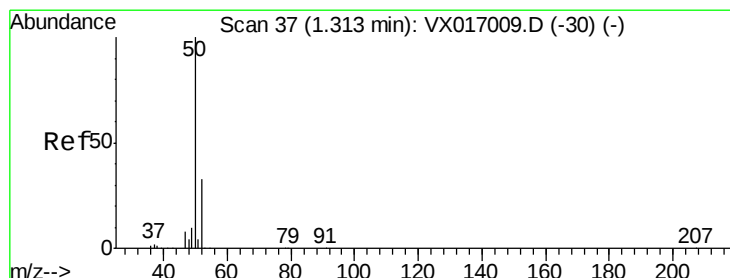
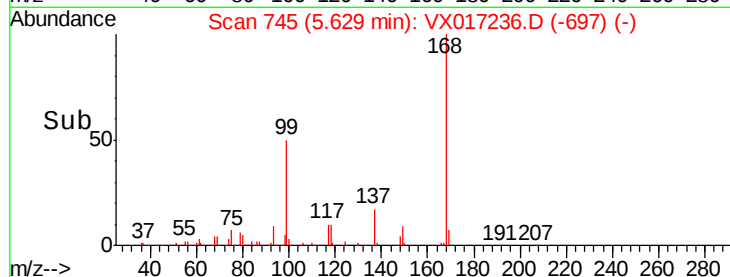
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.223 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017236.D

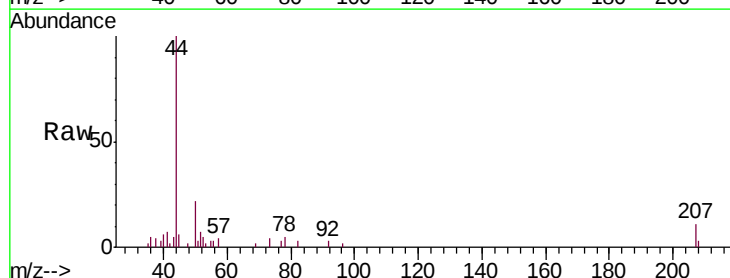
Acq: 08 Jul 2020 04:46

Tgt Ion: 50 Resp: 639

Ion Ratio Lower Upper

50 100

52 40.8 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

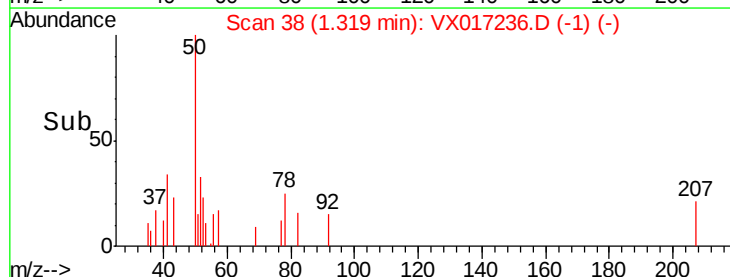
300

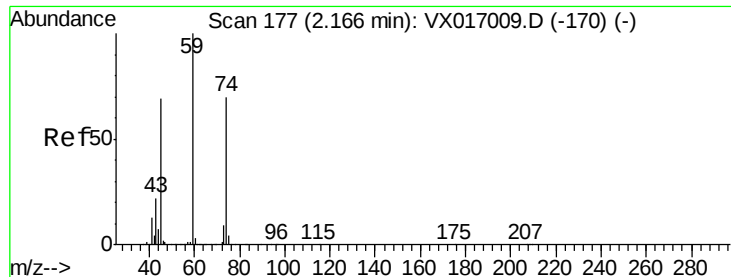
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.503 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.10 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

Instrument :

MSVOA_X

ClientSampleId :

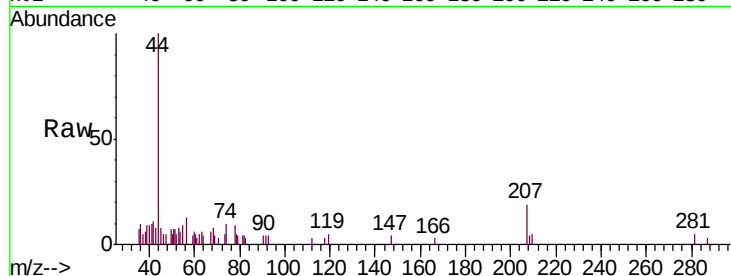
1011-MW-18

Tgt Ion: 74 Resp: 184

Ion Ratio Lower Upper

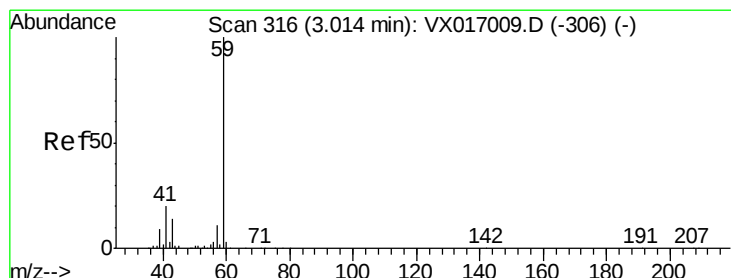
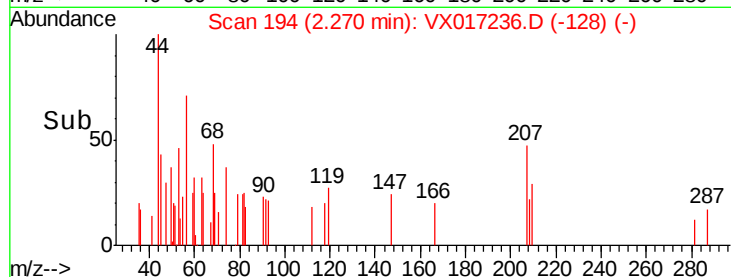
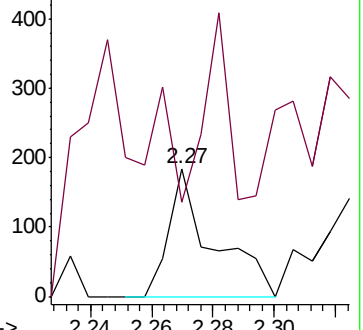
74 100

45 92.4 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 3.967 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017236.D

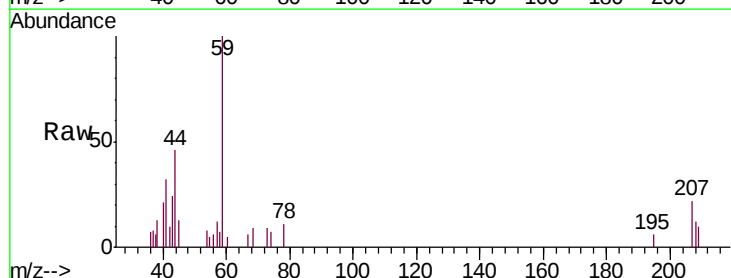
Acq: 08 Jul 2020 04:46

Tgt Ion: 59 Resp: 2284

Ion Ratio Lower Upper

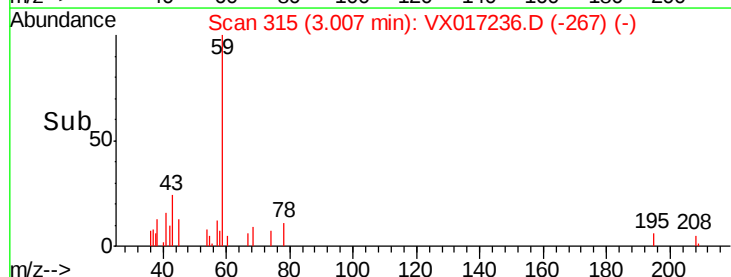
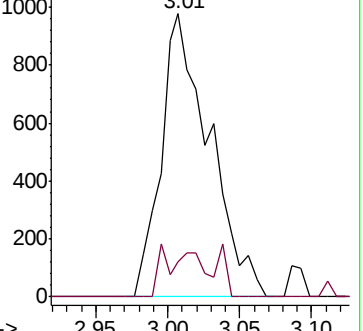
59 100

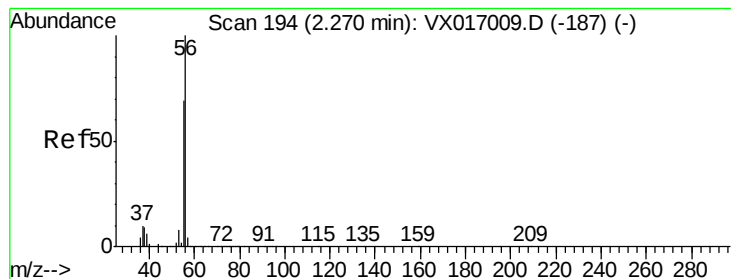
57 16.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.668 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

Instrument :

MSVOA_X

ClientSampled :

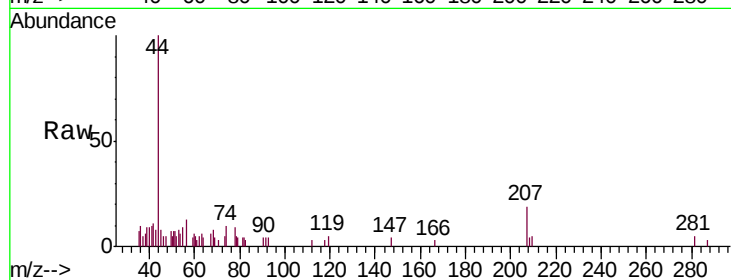
1011-MW-18

Tgt Ion: 56 Resp: 230

Ion Ratio Lower Upper

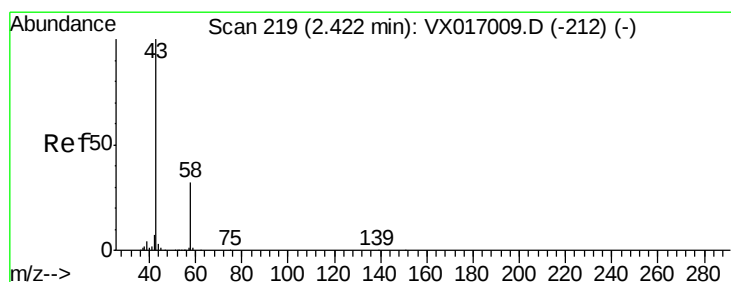
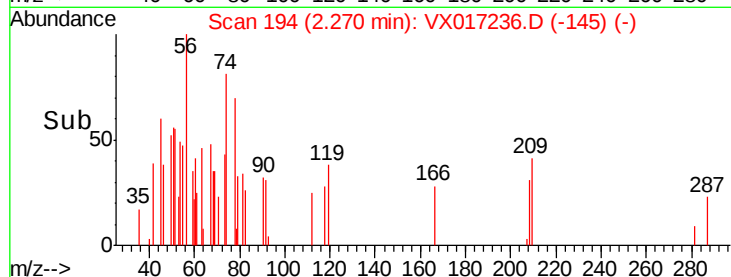
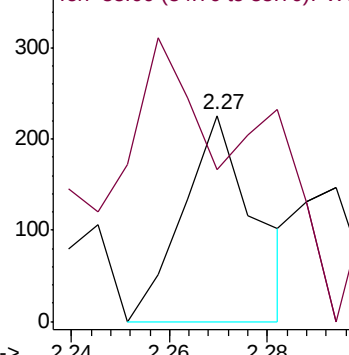
56 100

55 232.2 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.934 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017236.D

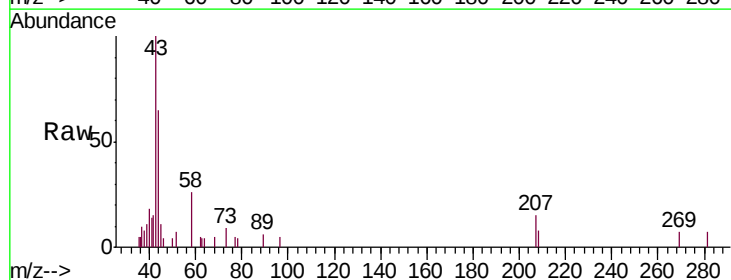
Acq: 08 Jul 2020 04:46

Tgt Ion: 43 Resp: 3313

Ion Ratio Lower Upper

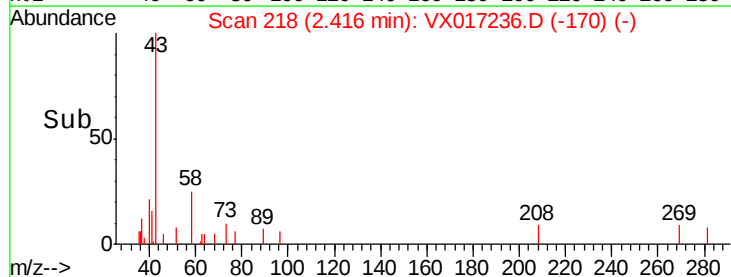
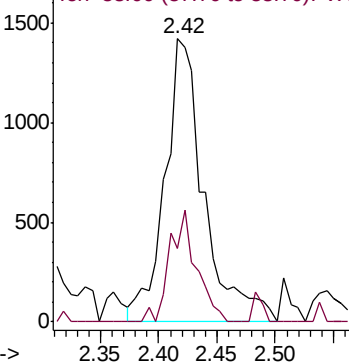
43 100

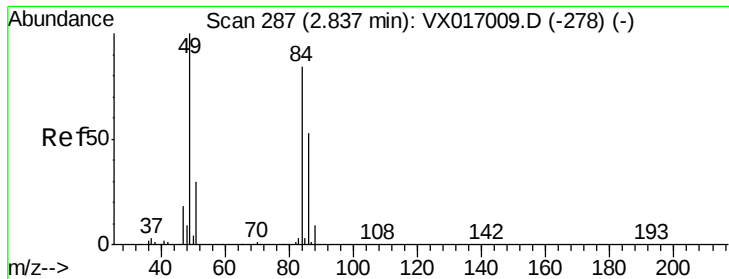
58 25.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

Instrument :

MSVOA_X

ClientSampled :

1011-MW-18

Tgt Ion: 84 Resp: 338

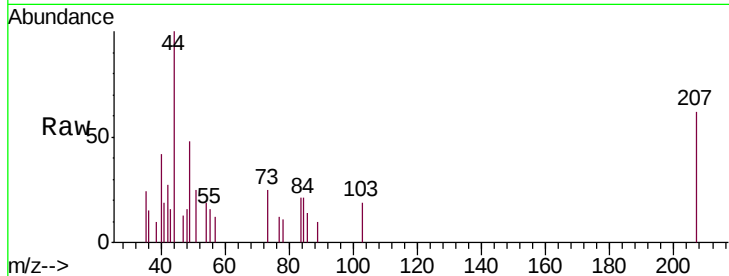
Ion Ratio Lower Upper

84 100

49 114.8 94.7 142.1

51 61.0 28.6 42.8#

86 32.4 50.5 75.7#

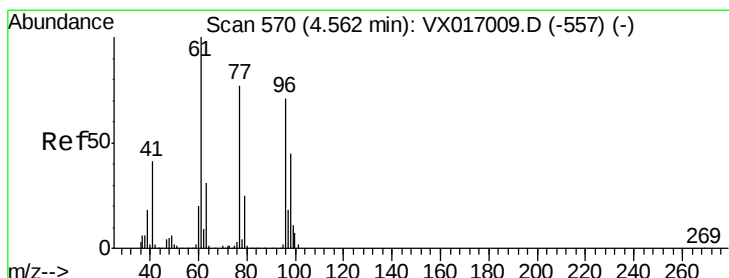
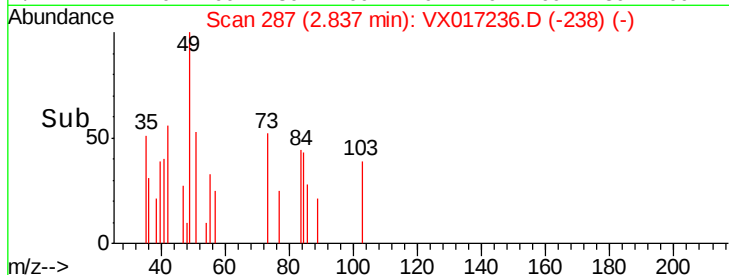
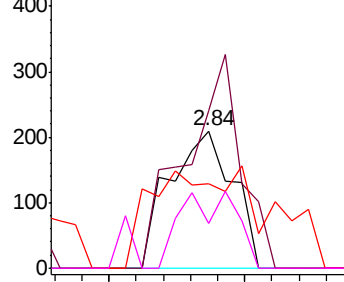


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.660 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

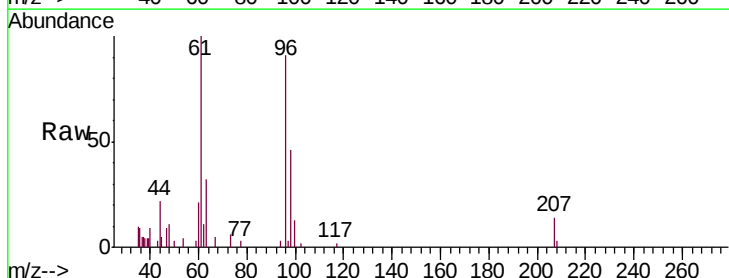
Tgt Ion: 96 Resp: 5056

Ion Ratio Lower Upper

96 100

61 114.5 0.0 282.8

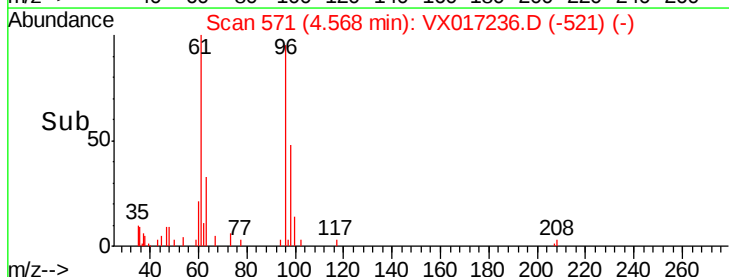
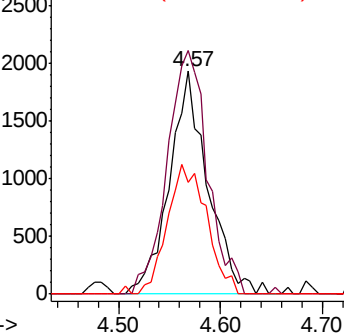
98 59.5 0.0 127.6

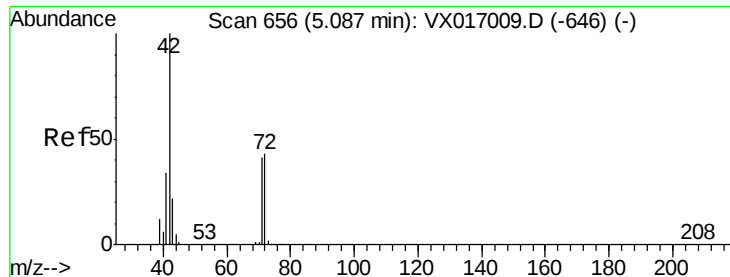


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

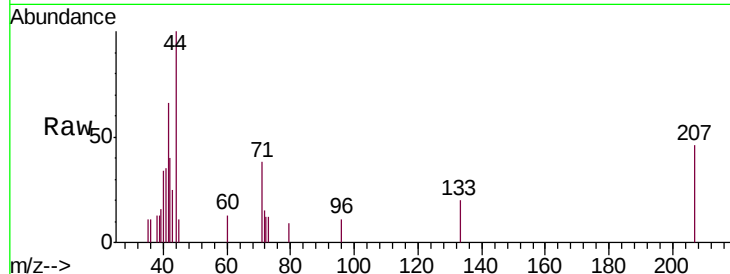




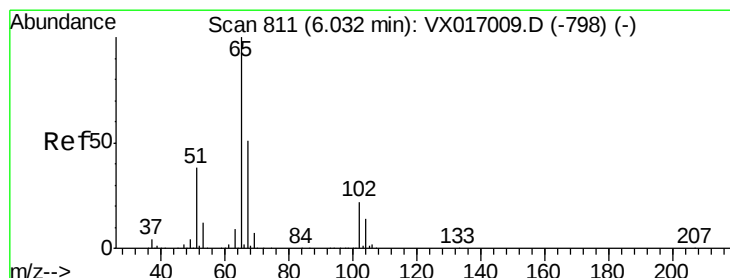
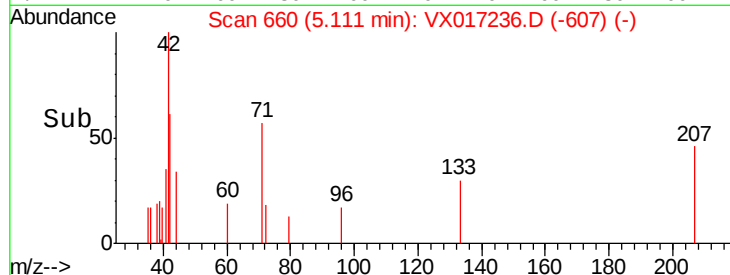
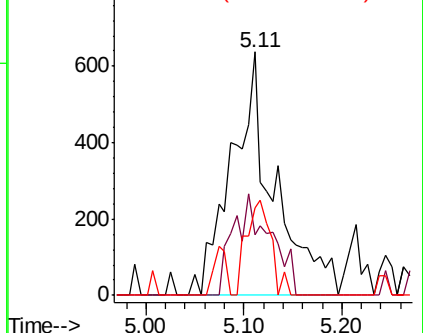
#29
Tetrahydrofuran
Concen: 1.551 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017236.D
Acq: 08 Jul 2020 04:46

Instrument :
MSVOA_X
ClientSampled :
1011-MW-18

Tgt Ion: 42 Resp: 1928
Ion Ratio Lower Upper
42 100
72 36.3 35.3 52.9
71 22.5 33.1 49.7#

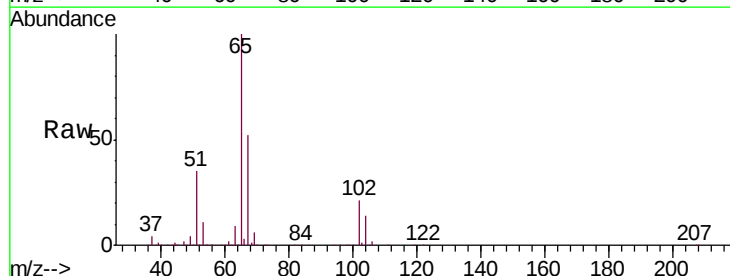


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

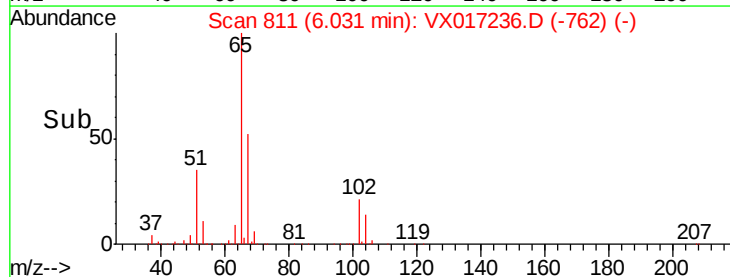
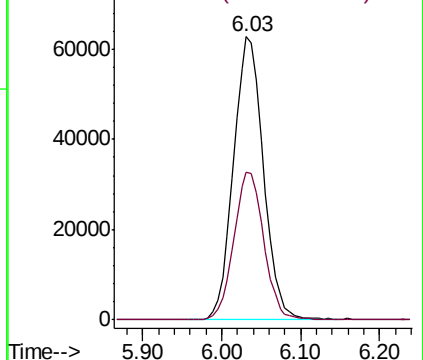


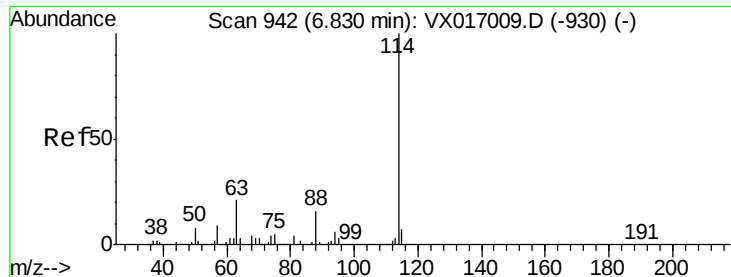
#33
1,2-Dichloroethane-d4
Concen: 54.949 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017236.D
Acq: 08 Jul 2020 04:46

Tgt Ion: 65 Resp: 165837
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

Instrument :

MSVOA_X

ClientSampleId :

1011-MW-18

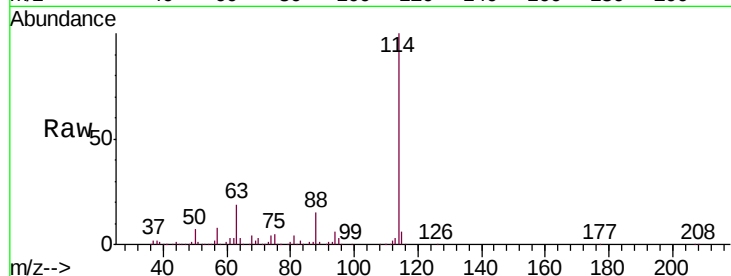
Tgt Ion:114 Resp: 417009

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.4

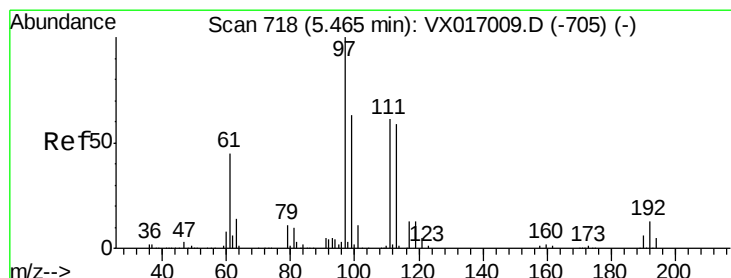
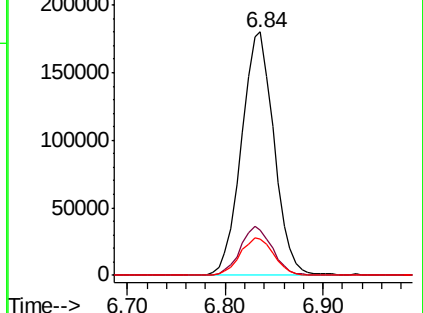
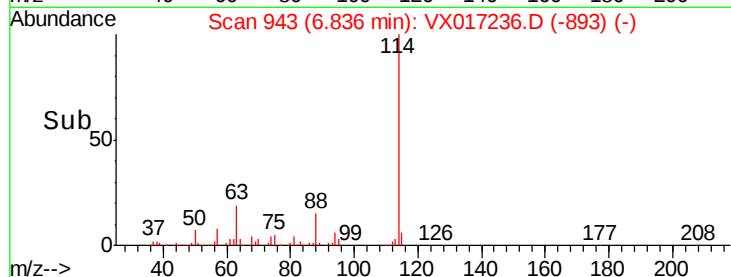
88 14.9 0.0 32.4



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: 54.053 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

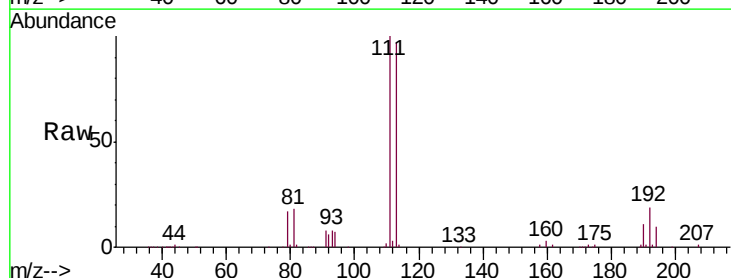
Tgt Ion:113 Resp: 142586

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

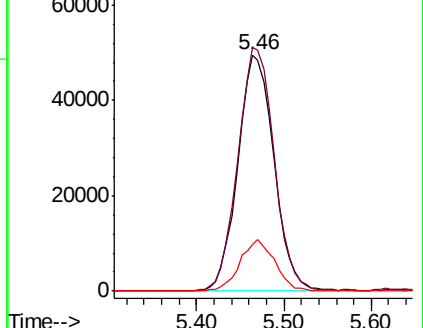
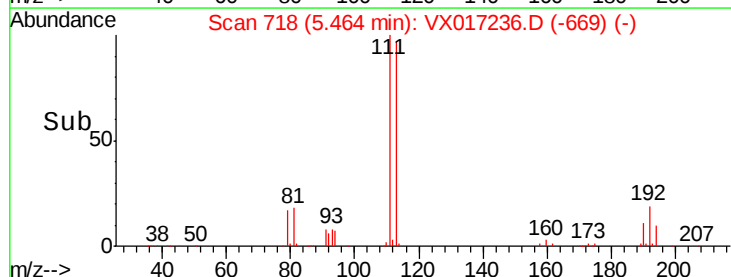
192 21.1 16.7 25.1

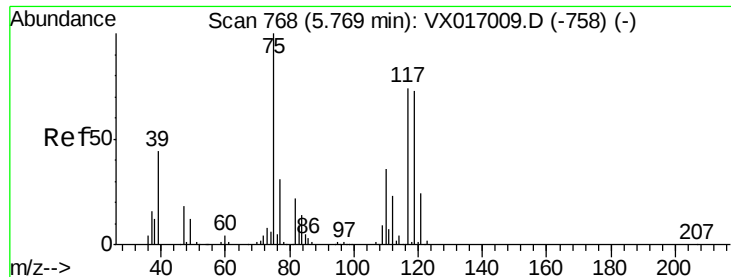


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

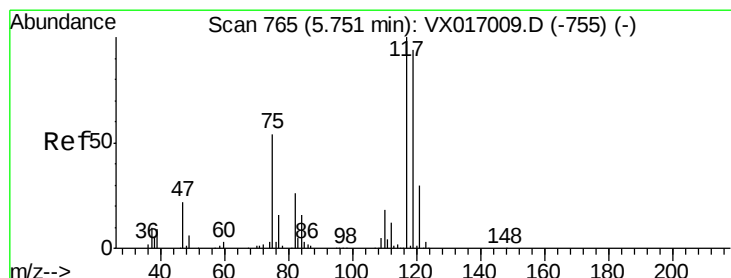
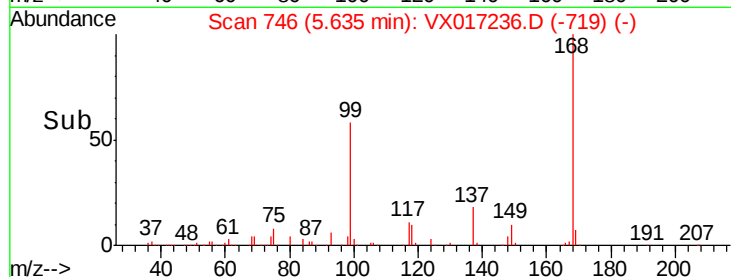
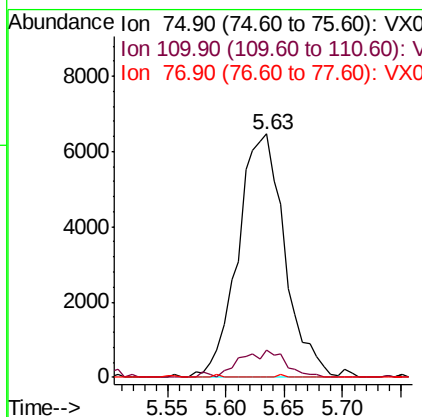
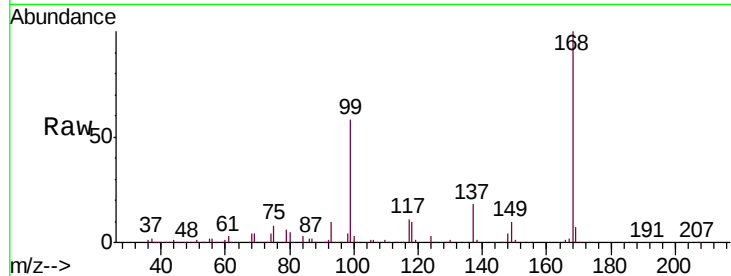




#36
 1,1-Dichloropropene
 Concen: 4.587 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017236.D
 Acq: 08 Jul 2020 04:46

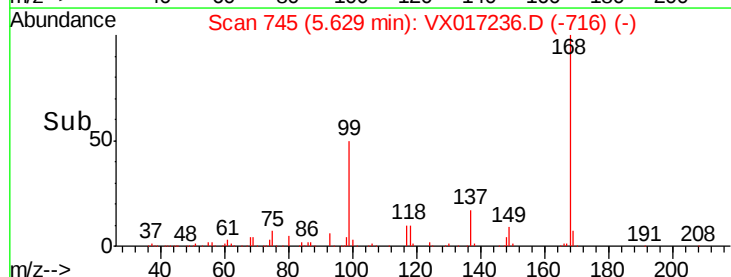
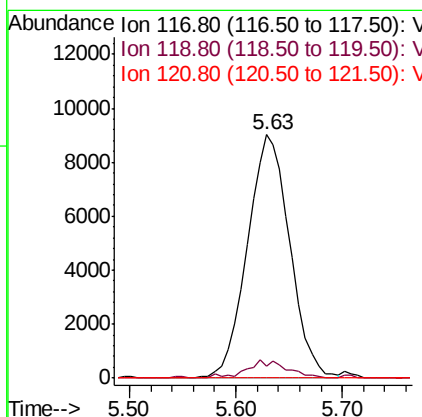
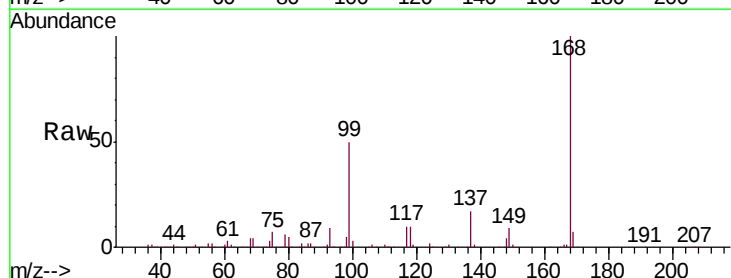
Instrument :
 MSVOA_X
 ClientSampleId :
 1011-MW-18

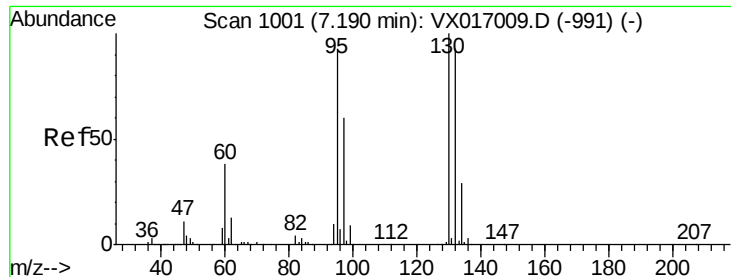
Tgt Ion: 75 Resp: 18078
 Ion Ratio Lower Upper
 75 100
 110 11.1 18.1 54.1#
 77 0.1 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.777 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017236.D
 Acq: 08 Jul 2020 04:46

Tgt Ion: 117 Resp: 25079
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.4 113.0#
 121 0.0 23.8 35.6#

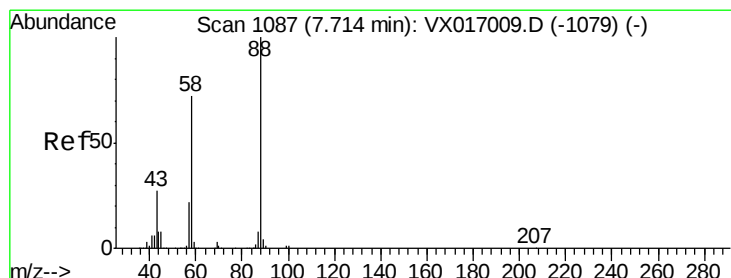
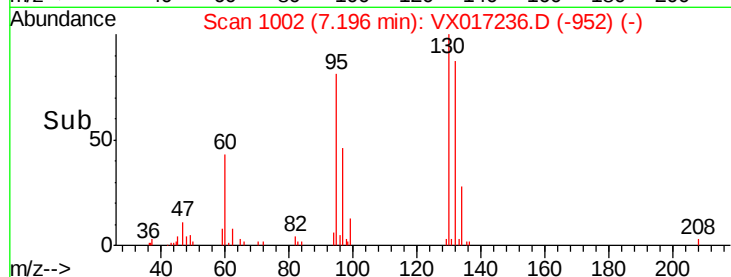
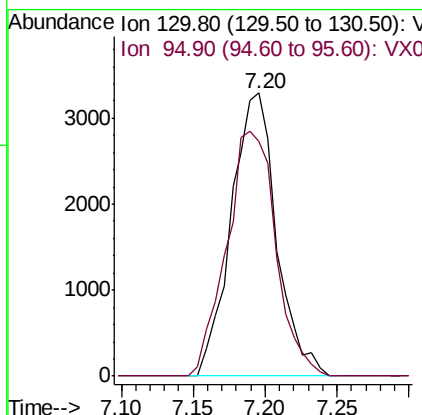
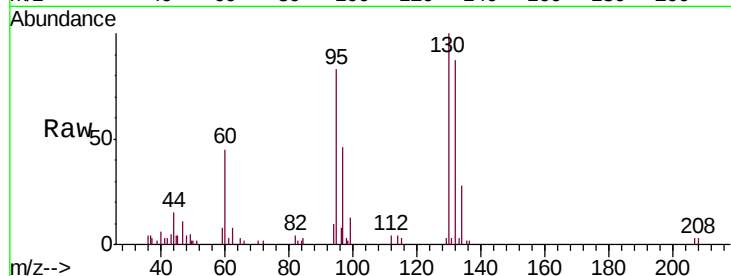




#44
 Trichloroethene
 Concen: 1.956 ug/l
 RT: 7.20 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VX017236.D
 Acq: 08 Jul 2020 04:46

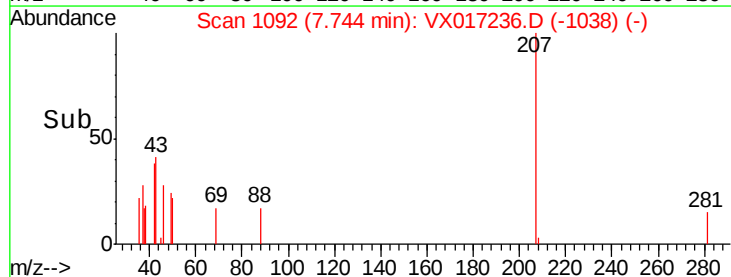
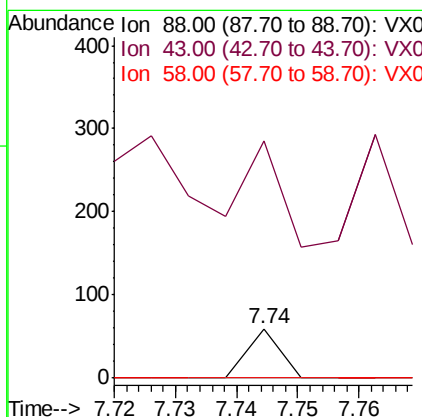
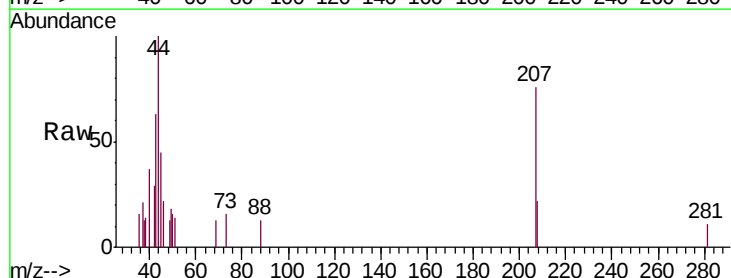
Instrument :
 MSVOA_X
 ClientSampleId :
 1011-MW-18

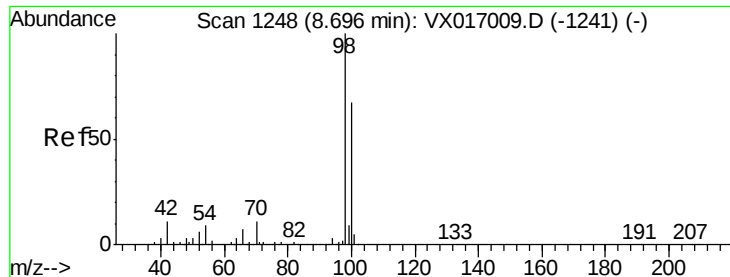
Tgt Ion: 130 Resp: 7202
 Ion Ratio Lower Upper
 130 100
 95 82.8 0.0 185.0



#49
 1,4-Dioxane
 Concen: 0.308 ug/l
 RT: 7.74 min Scan# 1092
 Delta R.T. 0.03 min
 Lab File: VX017236.D
 Acq: 08 Jul 2020 04:46

Tgt Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 600.0 25.8 38.8#
 58 0.0 54.8 82.2#

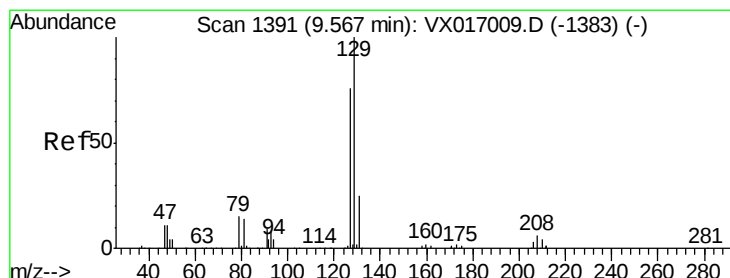
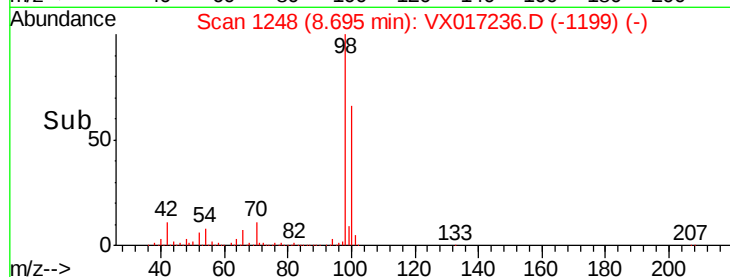
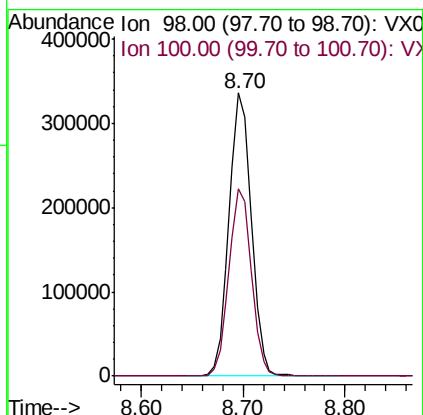
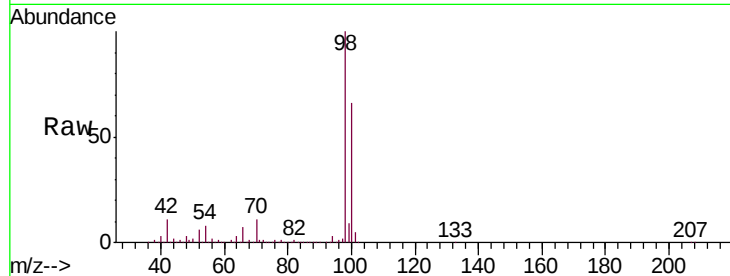




#50
Toluene-d8
Concen: 52.116 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017236.D
Acq: 08 Jul 2020 04:46

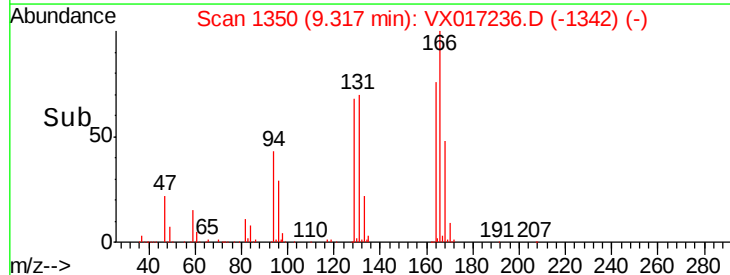
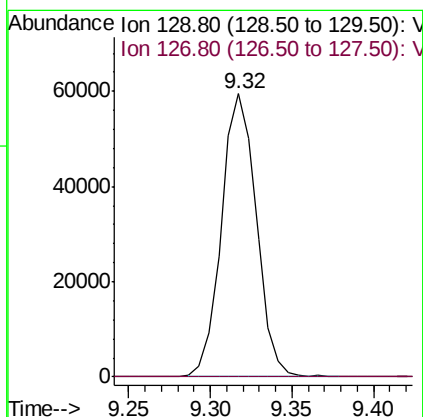
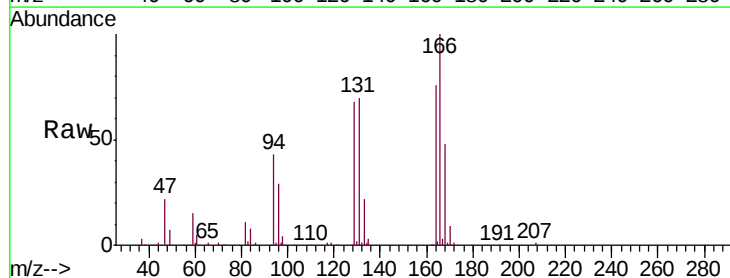
Instrument :
MSVOA_X
ClientSampleId :
1011-MW-18

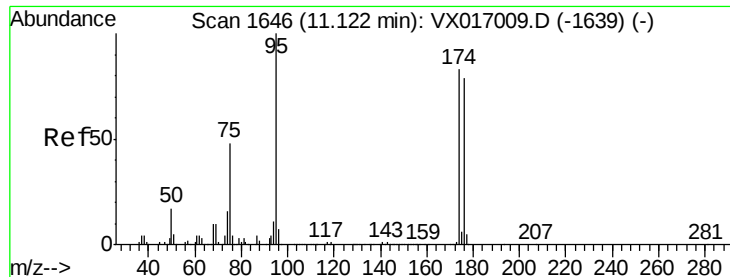
Tgt Ion: 98 Resp: 508359
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6



#60
Dibromochloromethane
Concen: 25.544 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.25 min
Lab File: VX017236.D
Acq: 08 Jul 2020 04:46

Tgt Ion: 129 Resp: 87638
Ion Ratio Lower Upper
129 100
127 0.2 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 55.148 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

Instrument :

MSVOA_X

ClientSampleId :

1011-MW-18

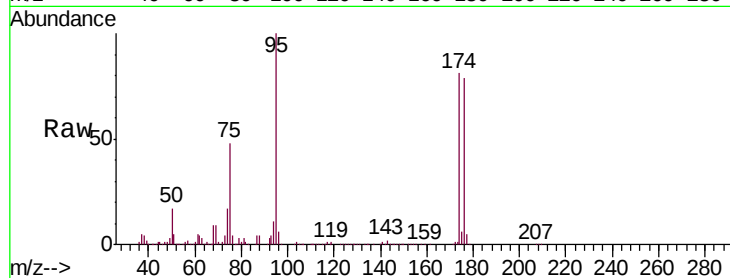
Tgt Ion: 95 Resp: 210285

Ion Ratio Lower Upper

95 100

174 84.1 0.0 164.0

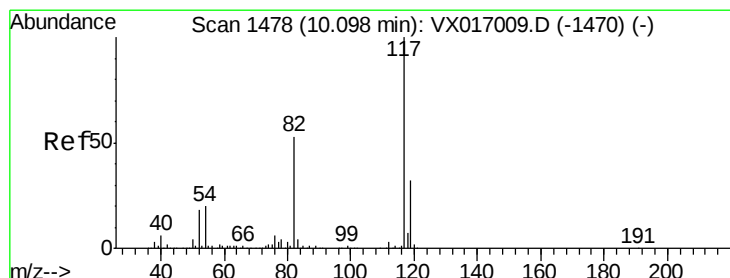
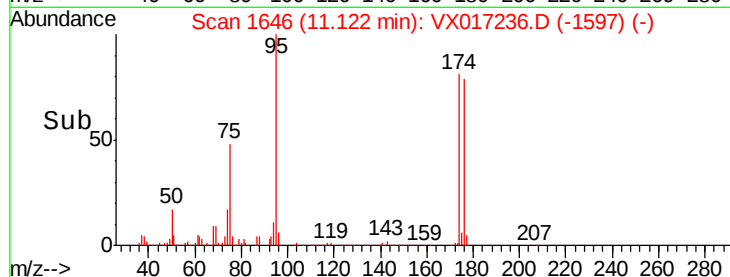
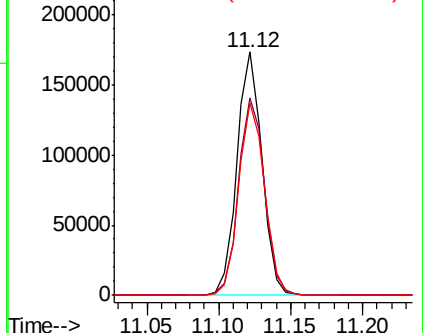
176 81.8 0.0 157.6



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: VX017236.D

Acq: 08 Jul 2020 04:46

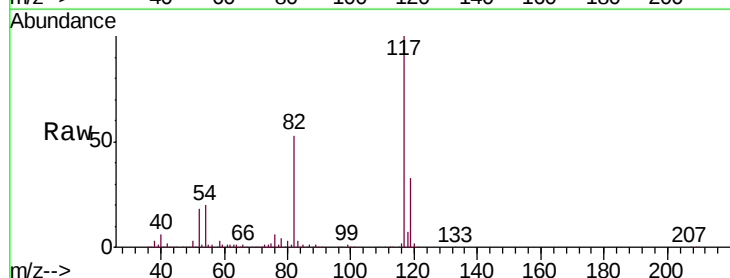
Tgt Ion: 117 Resp: 436062

Ion Ratio Lower Upper

117 100

82 52.7 42.6 63.8

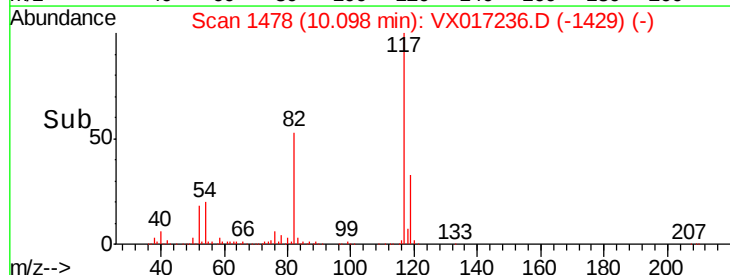
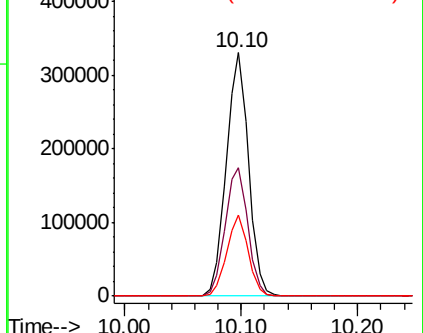
119 33.3 25.4 38.2

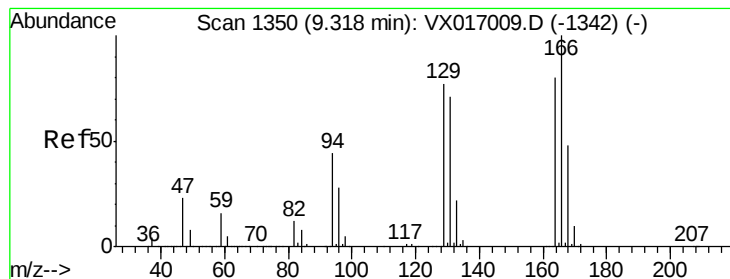


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 27.786 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

Instrument :

MSVOA_X

ClientSampleId :

1011-MW-18

Tgt Ion:164 Resp: 97786

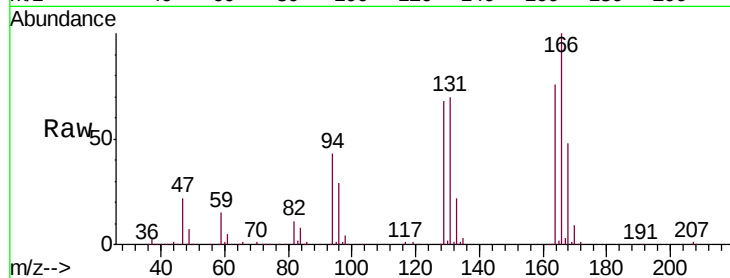
Ion Ratio Lower Upper

164 100

166 132.0 99.4 149.0

129 89.7 76.3 114.5

131 92.4 70.6 105.8



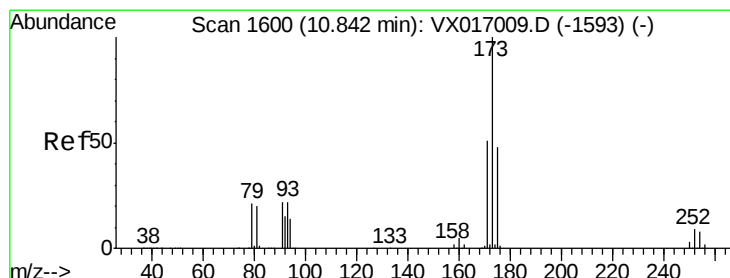
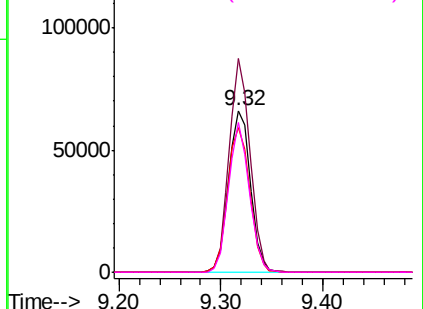
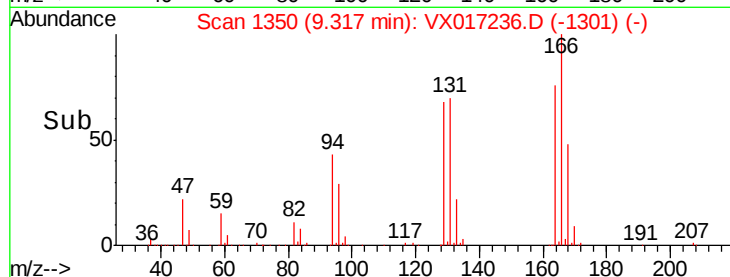
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.355 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

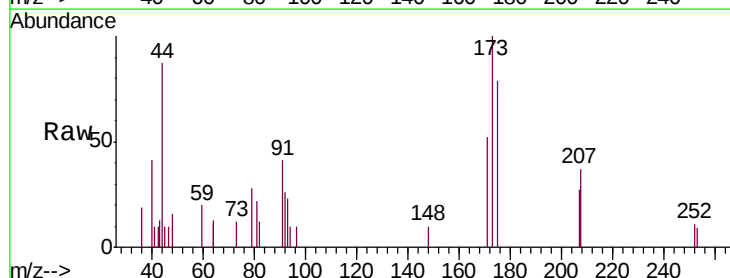
Tgt Ion:173 Resp: 977

Ion Ratio Lower Upper

173 100

175 51.7 24.5 73.5

254 0.0 0.1 0.1#

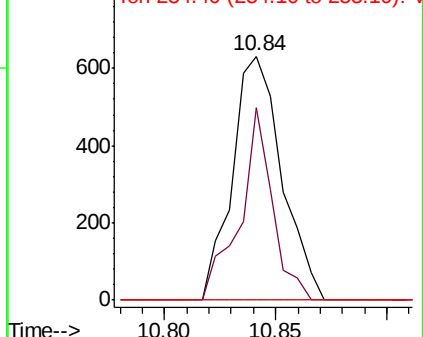
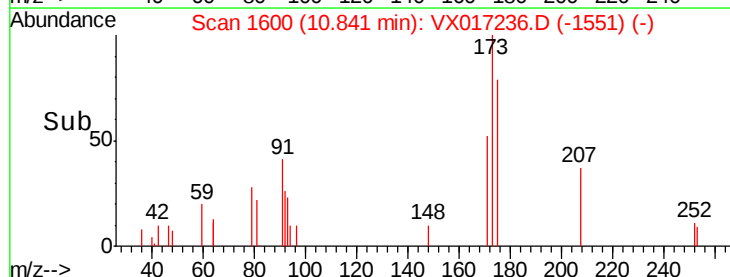


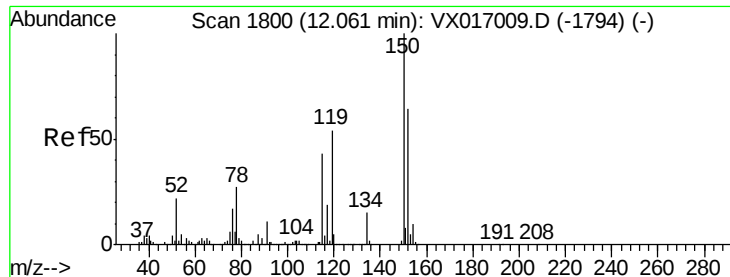
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX017236.D

Acq: 08 Jul 2020 04:46

Instrument :

MSVOA_X

ClientSampleId :

1011-MW-18

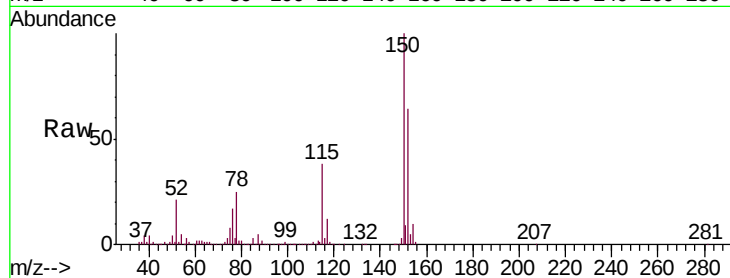
Tgt Ion:152 Resp: 233058

Ion Ratio Lower Upper

152 100

115 57.1 40.9 122.7

150 156.3 0.0 351.6

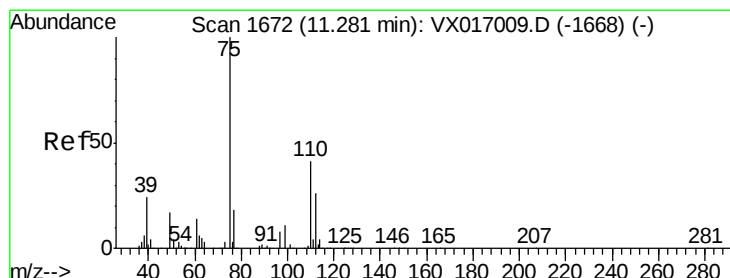
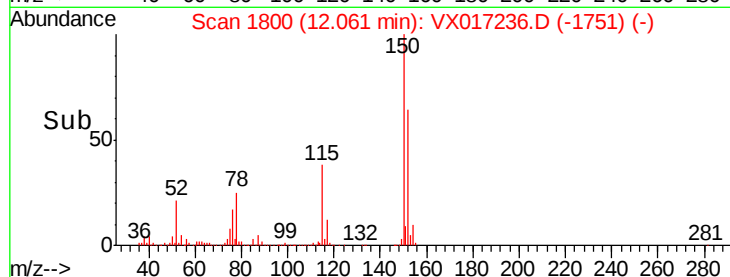
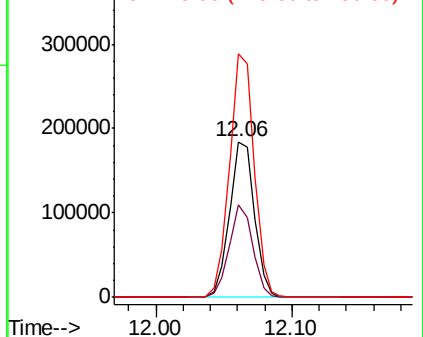


Abundance

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: 22.451 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017236.D

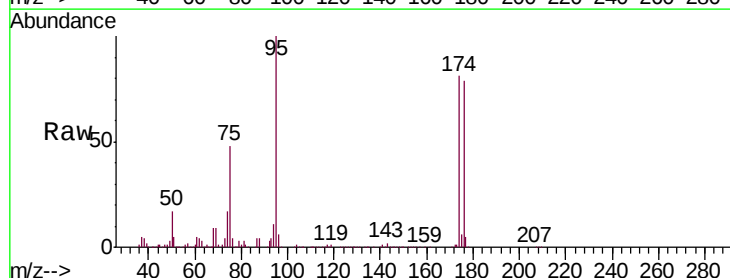
Acq: 08 Jul 2020 04:46

Tgt Ion: 75 Resp: 102890

Ion Ratio Lower Upper

75 100

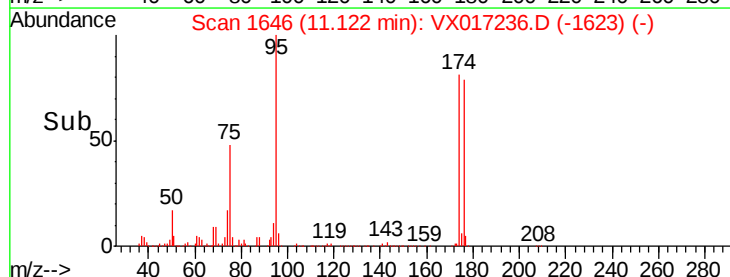
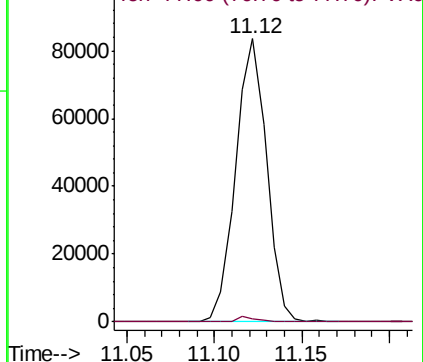
77 1.4 20.2 60.6#

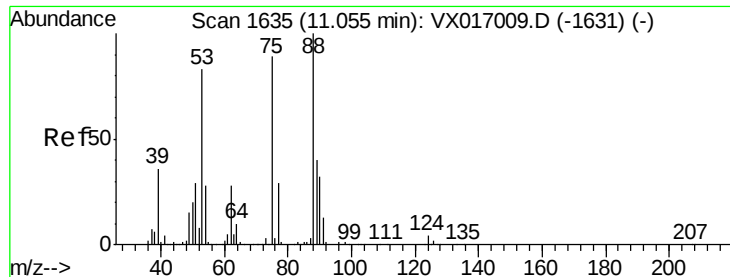


Abundance

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: 58.139 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017236.D

Acq: 08 Jul 2020 04:46

Instrument :

MSVOA_X

ClientSampleId :

1011-MW-18

Tgt Ion: 75 Resp: 102890

Ion Ratio Lower Upper

75 100

53 0.5 72.4 108.6#

89 0.0 37.0 55.4#

