

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006727.D
 Acq On : 21 Dec 2018 16:50
 Operator : JC/MD
 Sample : J6519-08RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-16-10.5-122018RE

Quant Time: Dec 22 04:04:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	616946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	963383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	868756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	403755	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	332444	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.00%		
35) Dibromofluoromethane	5.51	113	291073	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.56%		
50) Toluene-d8	8.71	98	1133049	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.66%		
62) 4-Bromofluorobenzene	11.14	95	392920	46.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.42%		

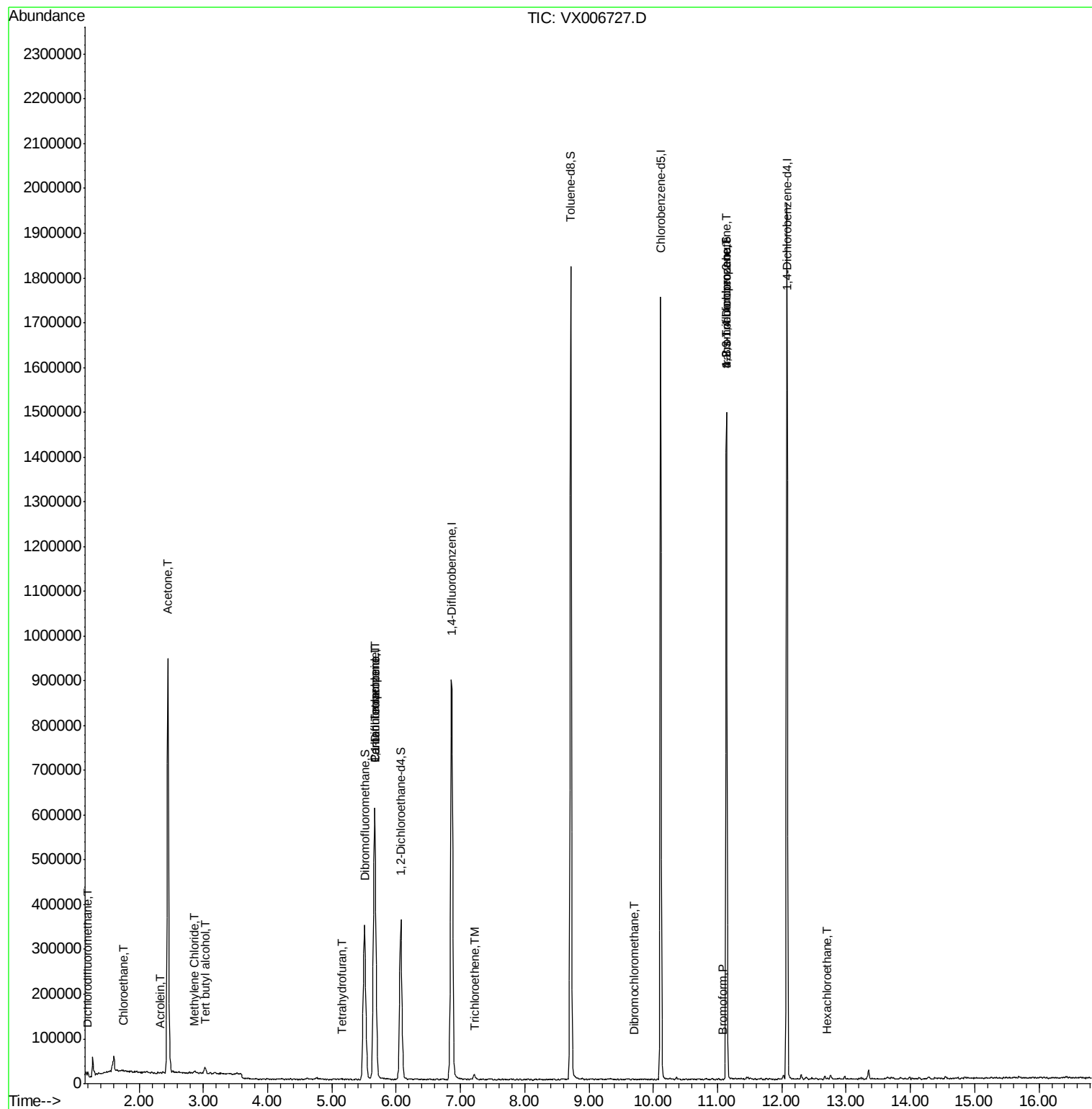
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3867	0.685	ug/l	82
5) Bromomethane	1.64	94	517	Below Cal	#	20
6) Chloroethane	1.76	64	967	0.220	ug/l #	47
11) Tert butyl alcohol	3.03	59	9289	6.260	ug/l #	82
13) Acrolein	2.32	56	591	0.590	ug/l #	13
16) Acetone	2.45	43	1001021	327.683	ug/l	100
20) Methylene Chloride	2.86	84	2551	0.404	ug/l #	81
28) Bromochloromethane	5.02	49	135	Below Cal	#	64
29) Tetrahydrofuran	5.16	42	871	0.308	ug/l #	73
36) 1,1-Dichloropropene	5.67	75	41757	5.233	ug/l #	48
38) Carbon Tetrachloride	5.67	117	58645	7.563	ug/l #	14
44) Trichloroethene	7.21	130	4691	0.639	ug/l	90
49) 1,4-Dioxane	7.73	88	146	Below Cal	#	1
60) Dibromochloromethane	9.71	129	88	2.337	ug/l	71
71) Bromoform	11.07	173	149	4.486	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	184709	24.617	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	184709	72.806	ug/l #	10
90) Hexachloroethane	12.70	117	1556	3.672	ug/l #	8

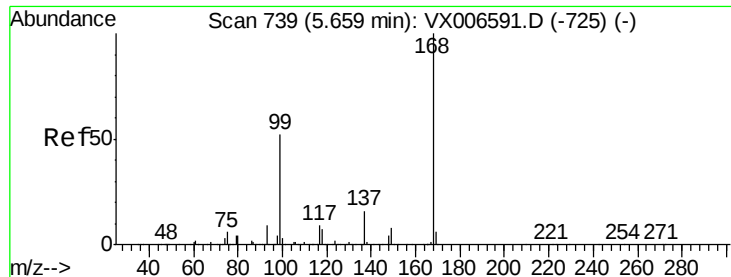
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006727.D

Acq: 21 Dec 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

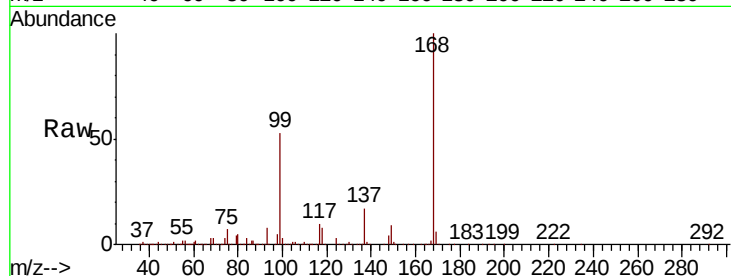
T11-MW-16-10.5-122018RE

Tot Ion:168 Resp: 616946

Ion Ratio Lower Upper

168 100

99 52.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

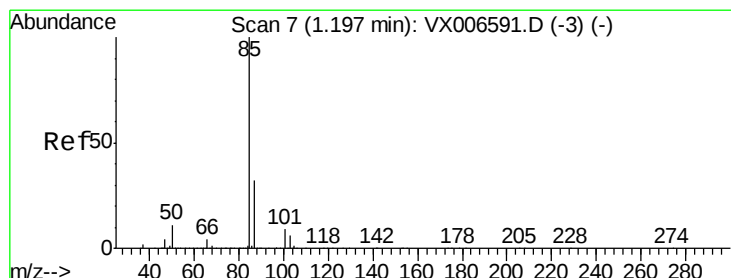
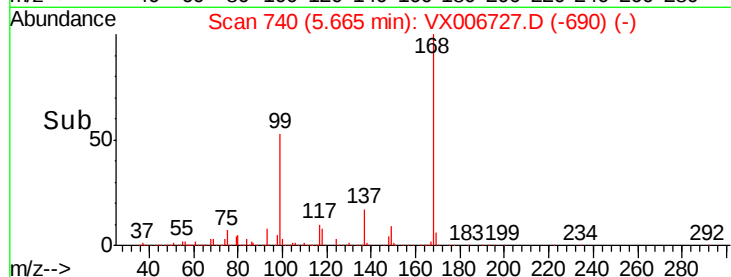
50000

0

5.67

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.685 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX006727.D

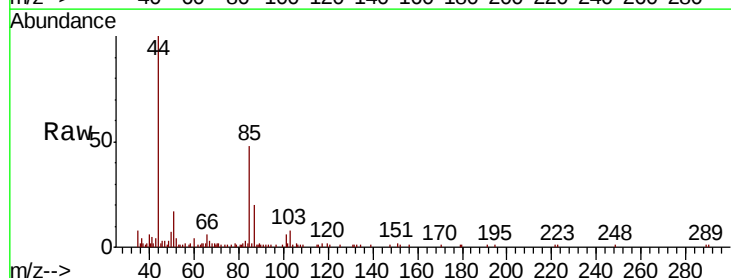
Acq: 21 Dec 2018 16:50

Tgt Ion: 85 Resp: 3867

Ion Ratio Lower Upper

85 100

87 41.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

4000

3000

2000

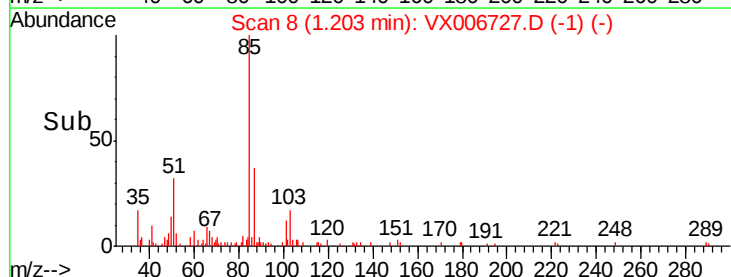
1000

0

1.20

1.15 1.20 1.25

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006727.D

Acq: 21 Dec 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

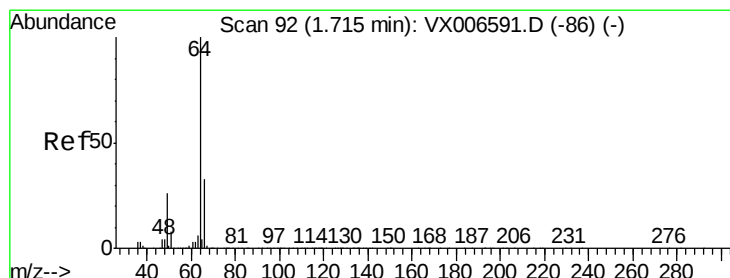
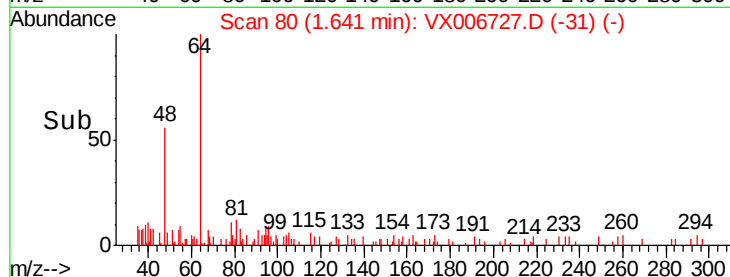
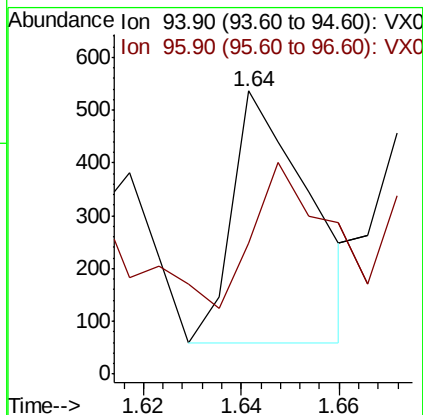
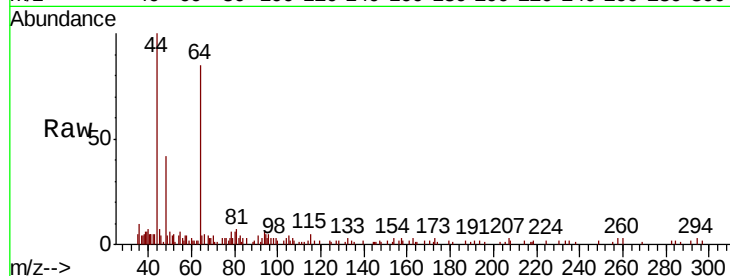
T11-MW-16-10.5-122018RE

Tot Ion: 94 Resp: 517

Ion Ratio Lower Upper

94 100

96 16.0 73.4 110.2#



#6

Chloroethane

Concen: 0.220 ug/l

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX006727.D

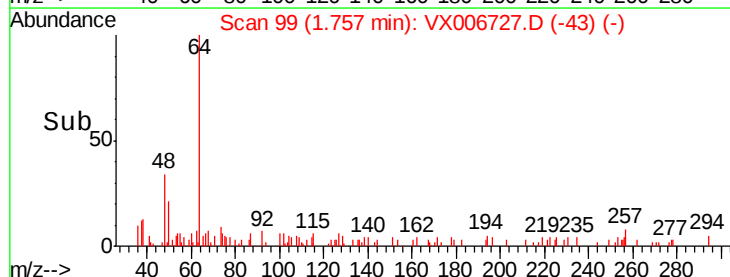
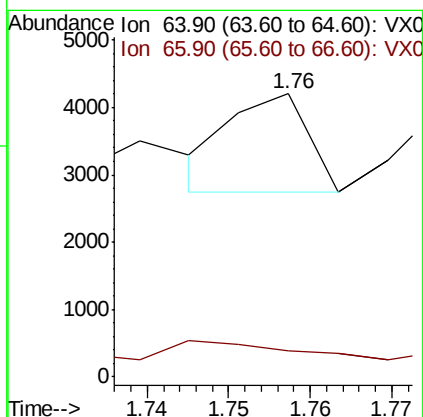
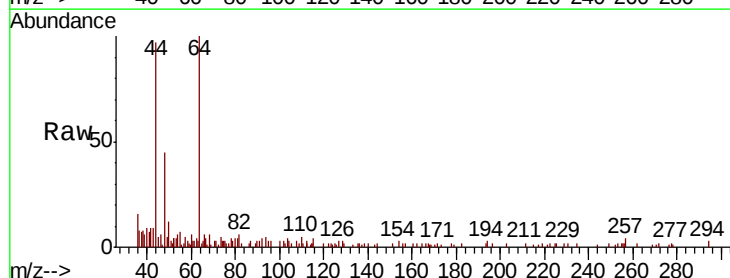
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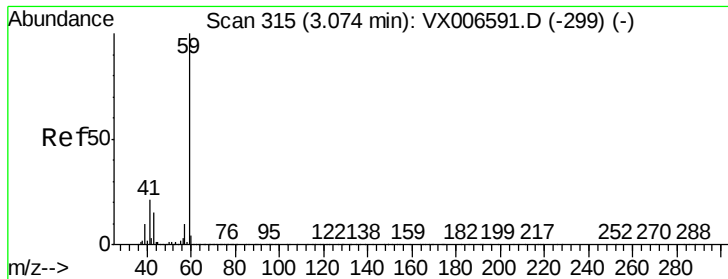
Tgt Ion: 64 Resp: 967

Ion Ratio Lower Upper

64 100

66 3.2 26.4 39.6#

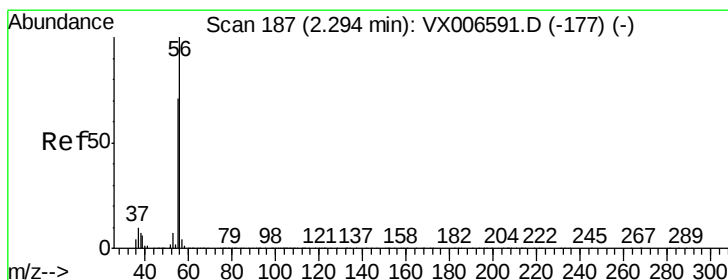
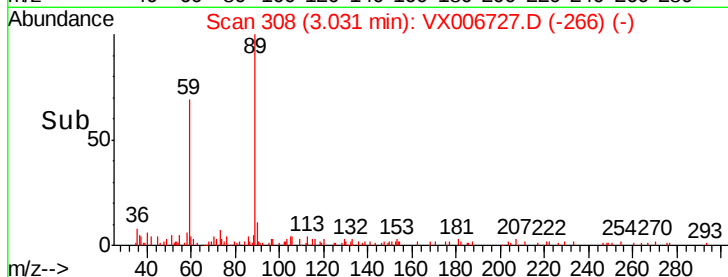
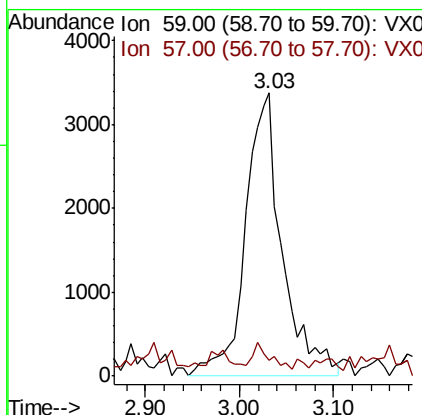
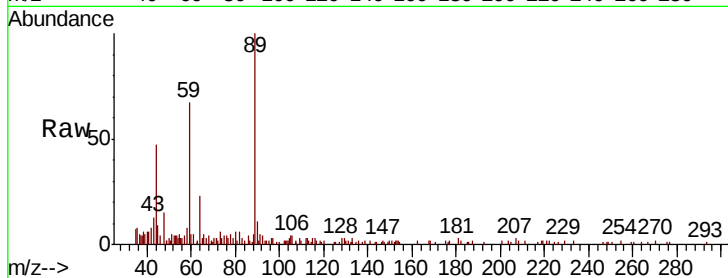




#11
Tert butyl alcohol
Concen: 6.260 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.04 min
Lab File: VX006727.D
Acq: 21 Dec 2018 16:50

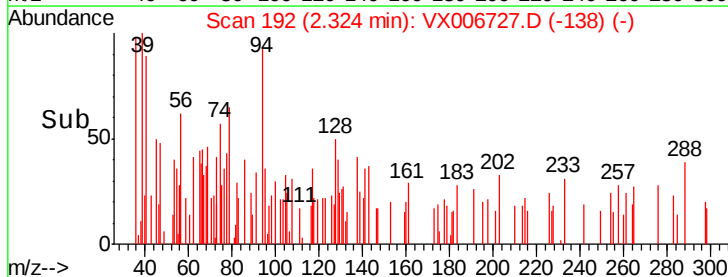
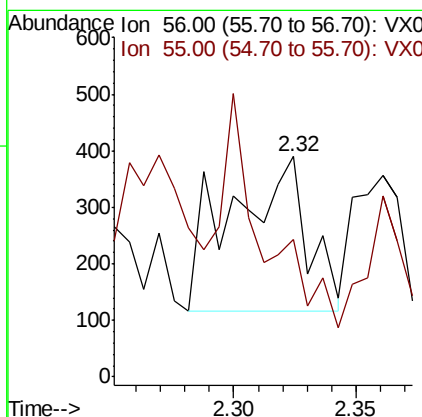
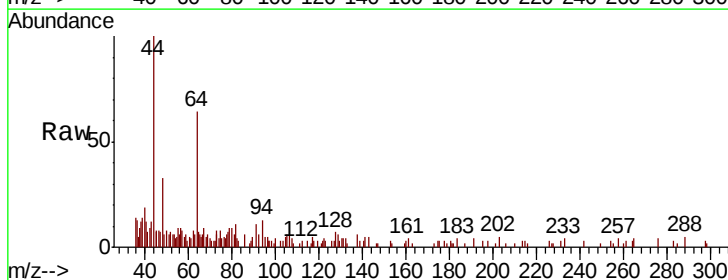
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-122018RE

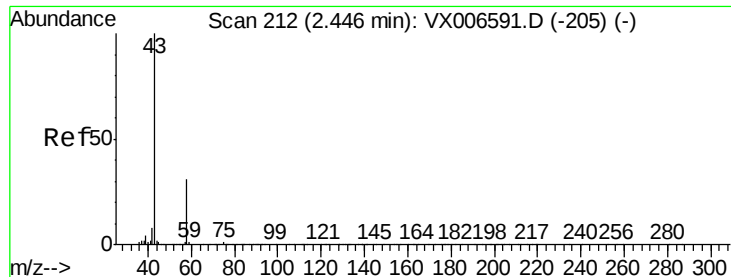
Tot Ion: 59 Resp: 9289
Ion Ratio Lower Upper
59 100
57 3.9 8.5 12.7#



#13
Acrolein
Concen: 0.590 ug/l
RT: 2.32 min Scan# 192
Delta R.T. 0.03 min
Lab File: VX006727.D
Acq: 21 Dec 2018 16:50

Tgt Ion: 56 Resp: 591
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#

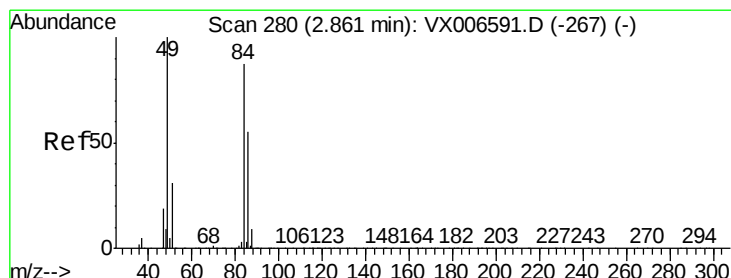
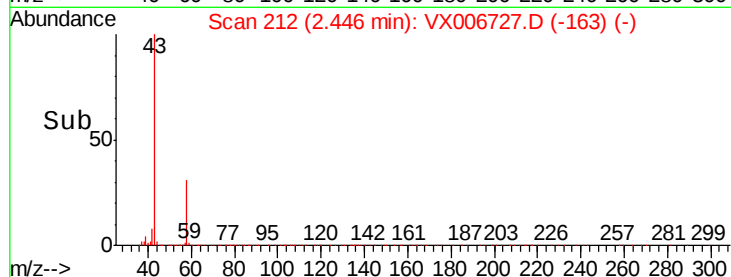
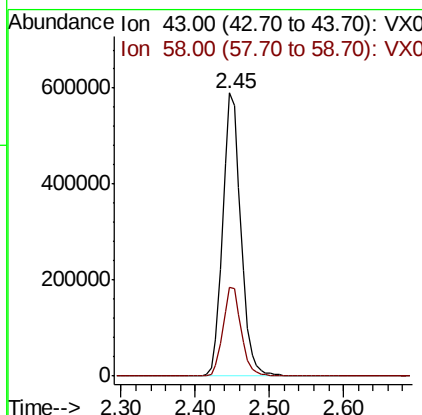
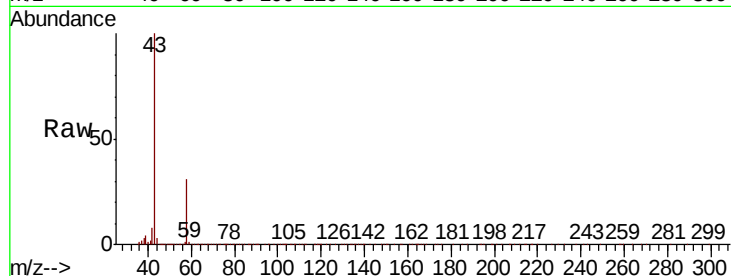




#16
Acetone
Concen: 327.683 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006727.D
Acq: 21 Dec 2018 16:50

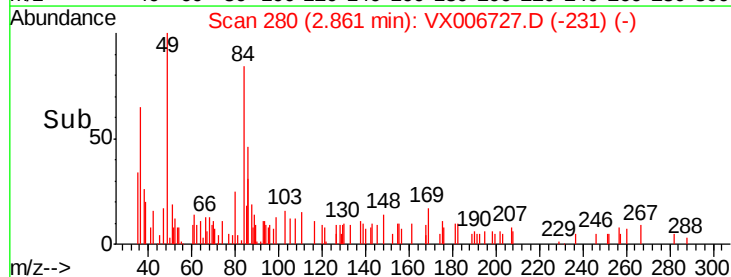
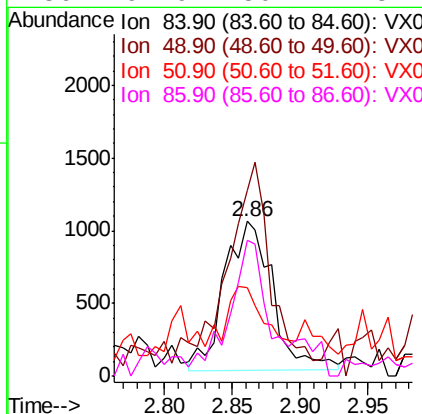
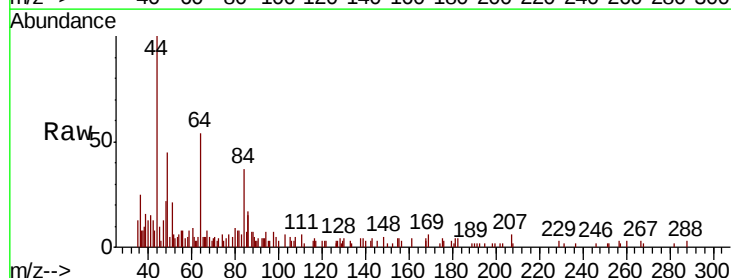
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-122018RE

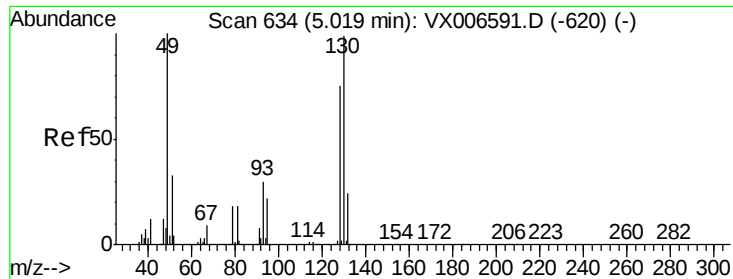
Tot Ion: 43 Resp: 1001021
Ion Ratio Lower Upper
43 100
58 31.4 25.0 37.6



#20
Methylene Chloride
Concen: 0.404 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006727.D
Acq: 21 Dec 2018 16:50

Tgt Ion: 84 Resp: 2551
Ion Ratio Lower Upper
84 100
49 106.9 91.8 137.6
51 46.4 28.5 42.7#
86 94.9 50.2 75.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

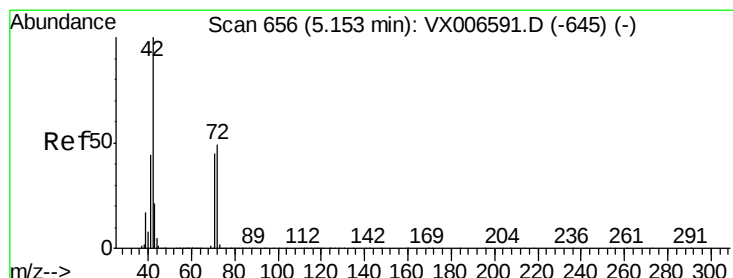
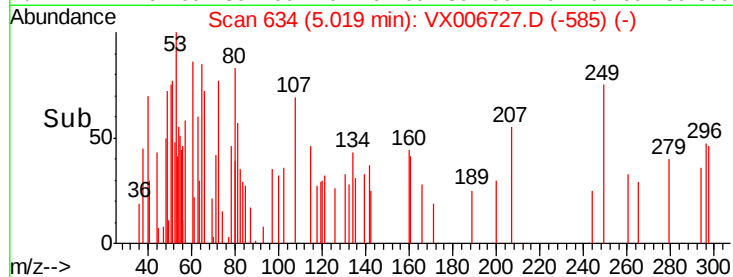
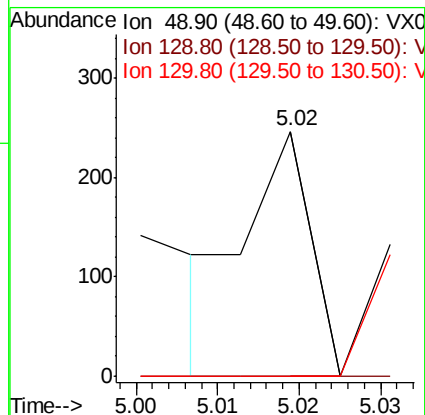
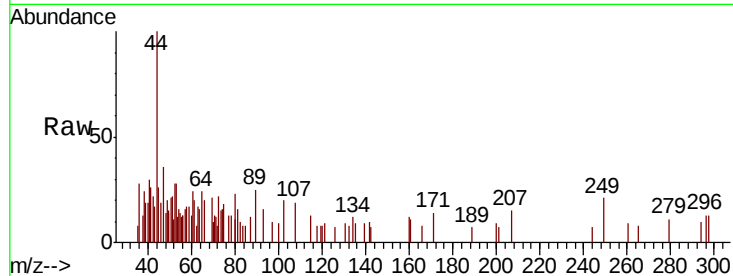
Delta R.T. -0.00 min

Lab File: VX006727.D

Acq: 21 Dec 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-122018RE

Tot Ion: 49 Resp: 135
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 60.7 77.7 116.5#



#29

Tetrahydrofuran

Concen: 0.308 ug/l

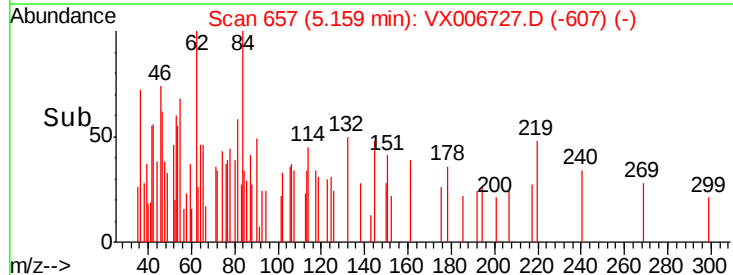
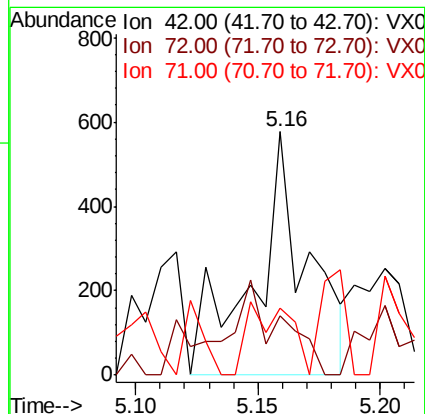
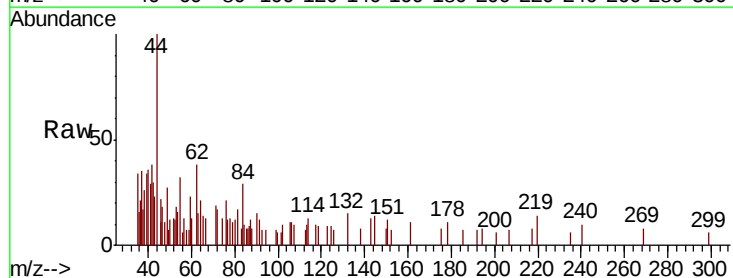
RT: 5.16 min Scan# 657

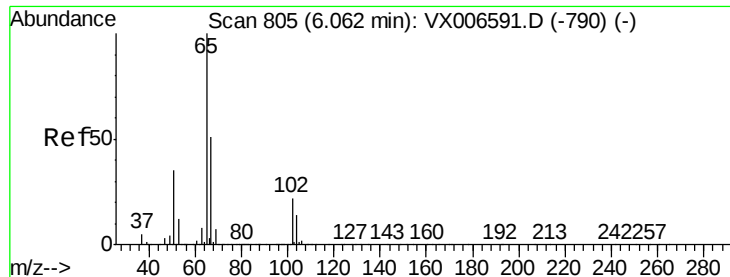
Delta R.T. 0.01 min

Lab File: VX006727.D

Acq: 21 Dec 2018 16:50

Tgt Ion: 42 Resp: 871
Ion Ratio Lower Upper
42 100
72 34.1 38.9 58.3#
71 23.4 36.2 54.4#





#33

1,2-Dichloroethane-d4

Concen: 49.998 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006727.D

Acq: 21 Dec 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

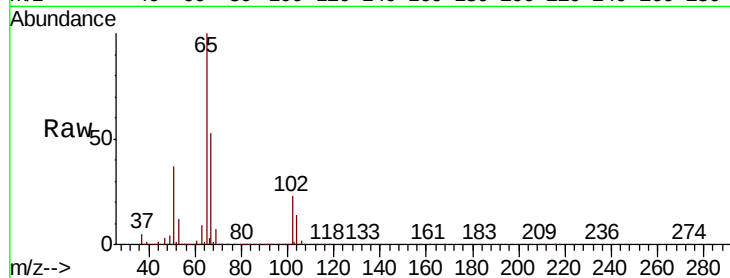
T11-MW-16-10.5-122018RE

Tot Ion: 65 Resp: 332444

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

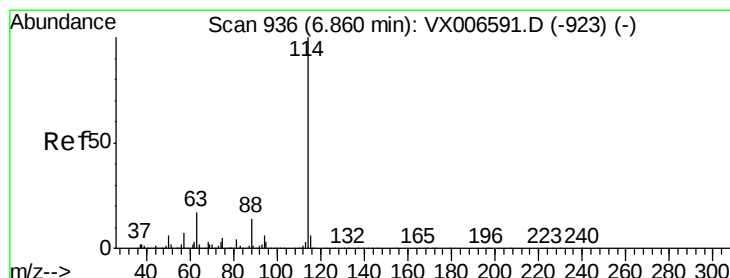
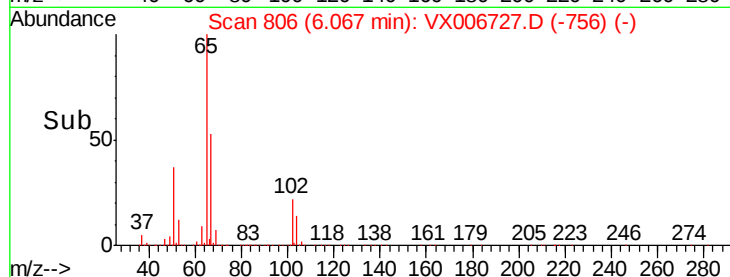
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50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006727.D

Acq: 21 Dec 2018 16:50

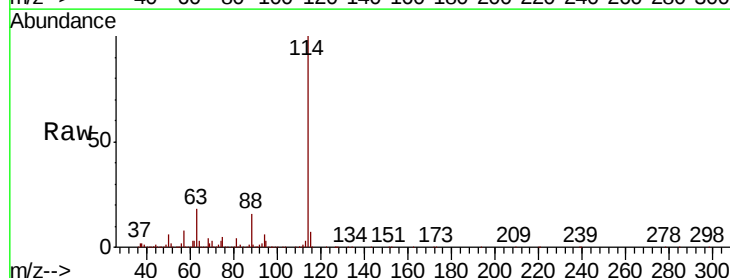
Tgt Ion: 114 Resp: 963383

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

88 15.5 0.0 28.8



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

6.86

500000

400000

300000

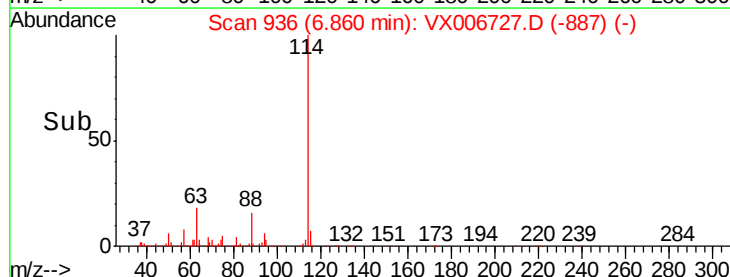
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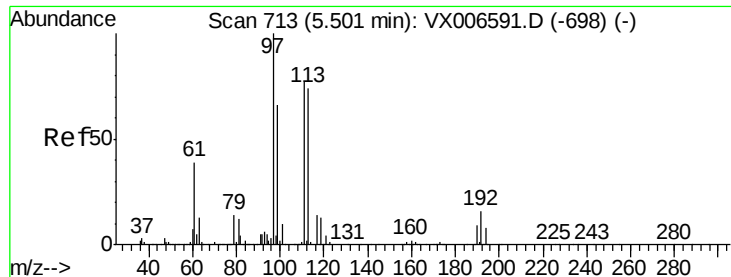
100000

0

Time-->

6.70 6.80 6.90 7.00 7.10

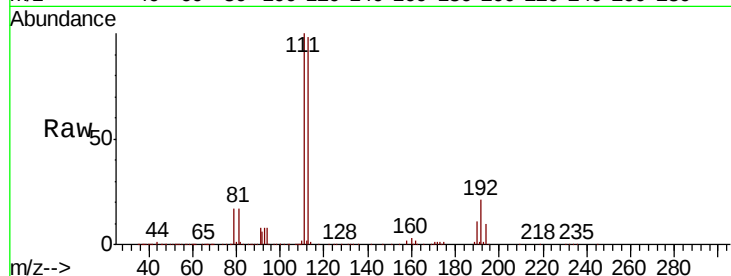




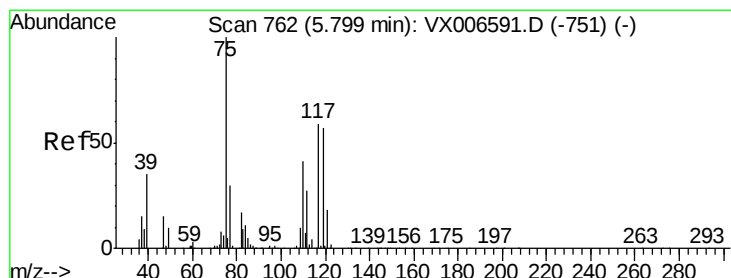
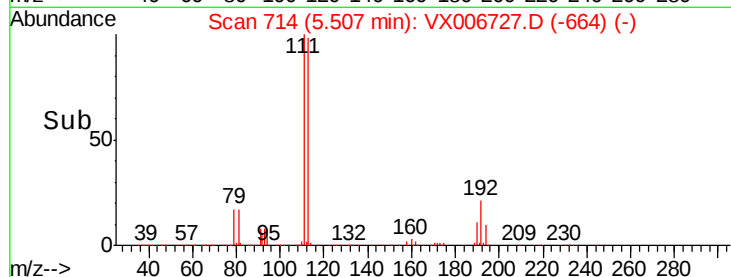
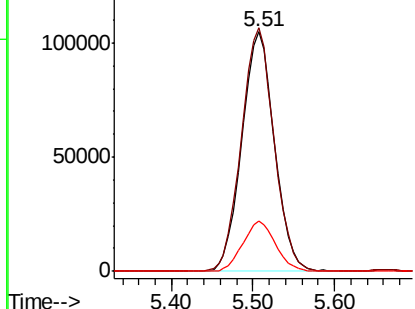
#35
 Dibromofluoromethane
 Concen: 47.778 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006727.D
 Acq: 21 Dec 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-16-10.5-122018RE

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.6	122.4
192	21.1	16.7	25.1

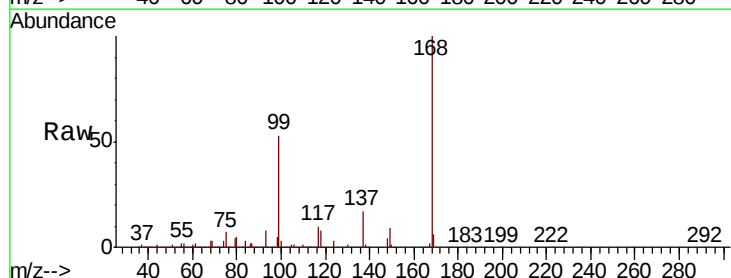


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

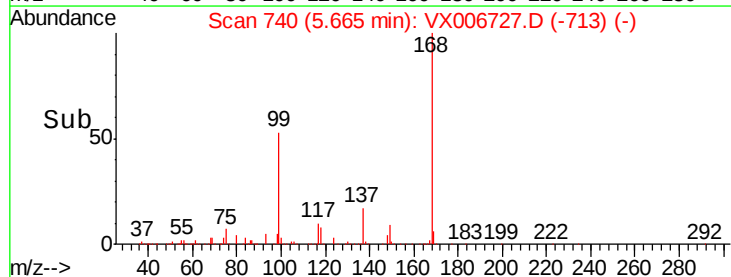
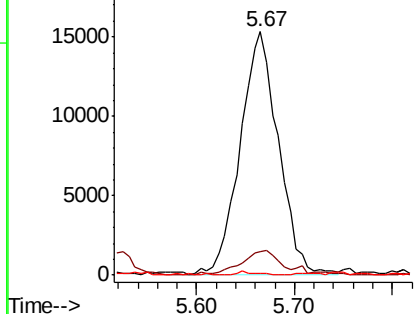


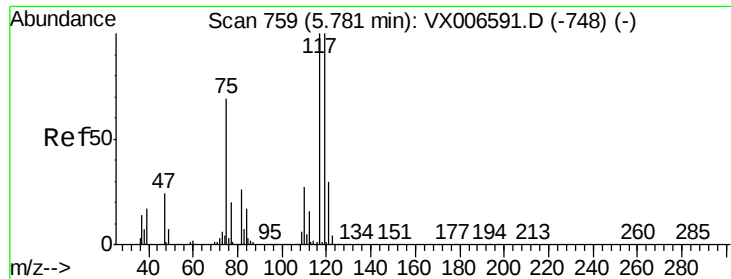
#36
 1,1-Dichloropropene
 Concen: 5.233 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006727.D
 Acq: 21 Dec 2018 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	20.2	60.5#
77	0.0	24.8	37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.563 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006727.D

Acq: 21 Dec 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-16-10.5-122018RE

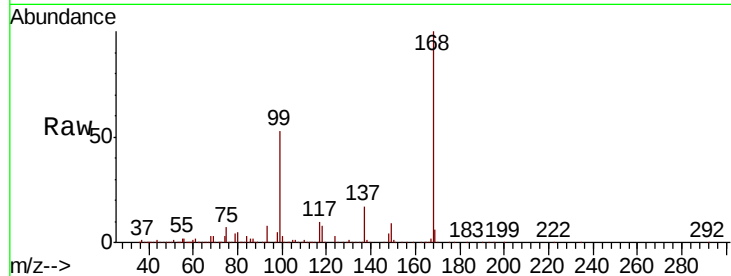
Tot Ion:117 Resp: 58645

Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.2#

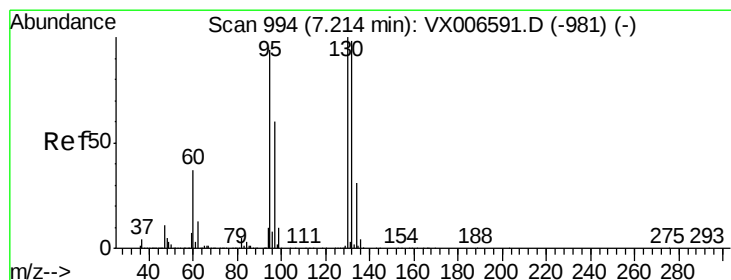
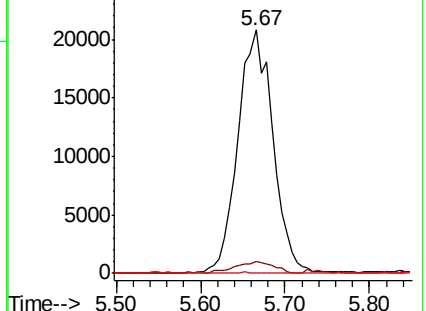
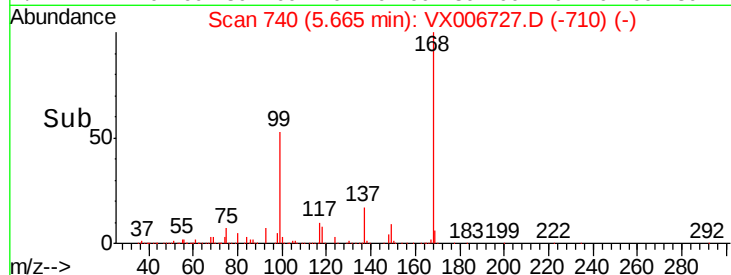
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.639 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006727.D

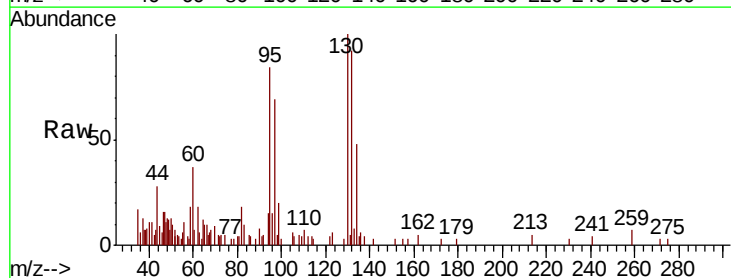
Acq: 21 Dec 2018 16:50

Tgt Ion:130 Resp: 4691

Ion Ratio Lower Upper

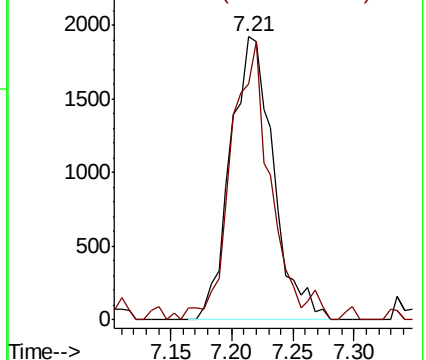
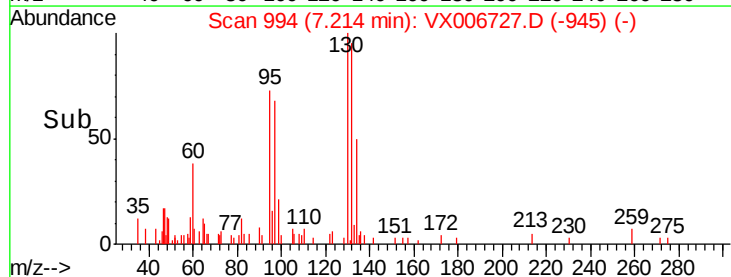
130 100

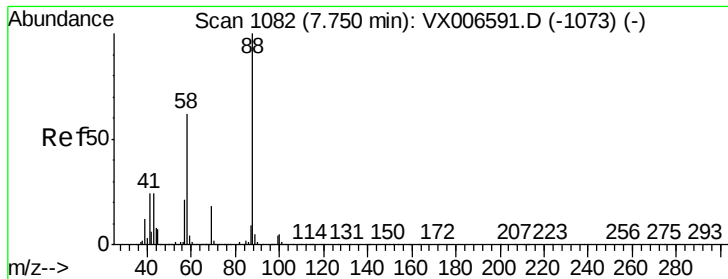
95 83.5 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

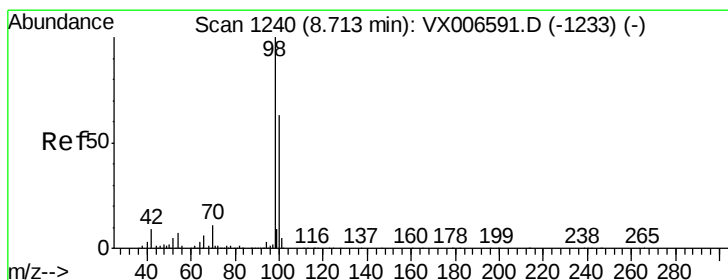
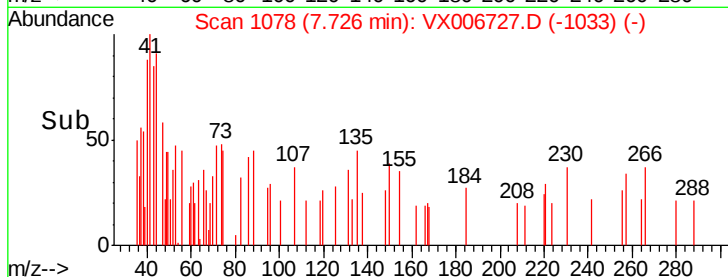
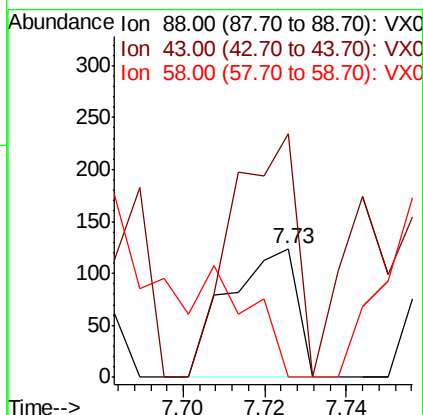
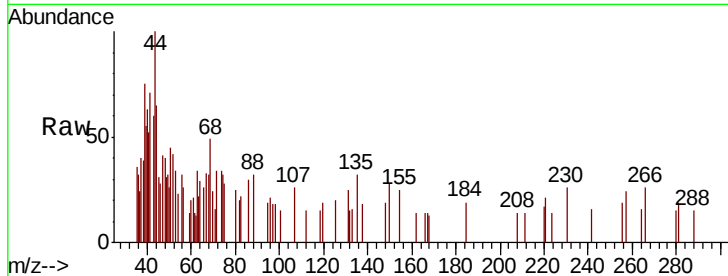




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.73 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VX006727.D
Acq: 21 Dec 2018 16:50

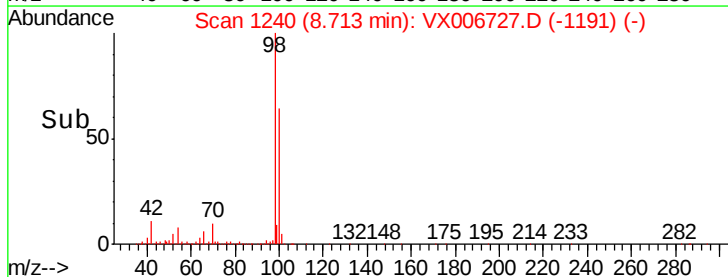
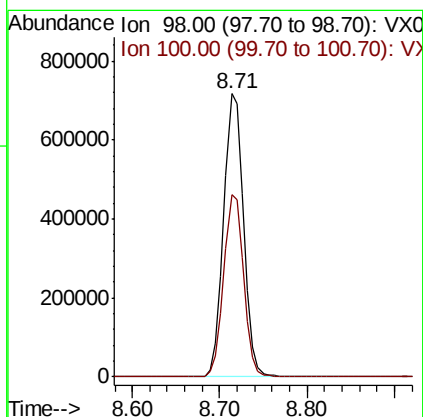
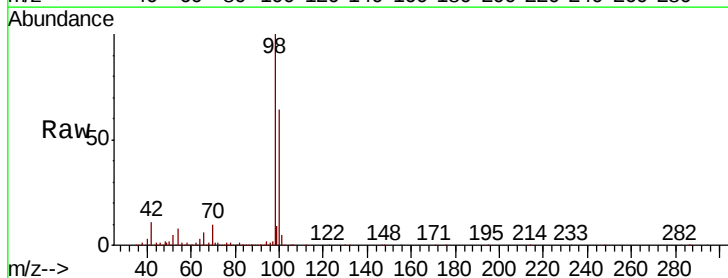
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-122018RE

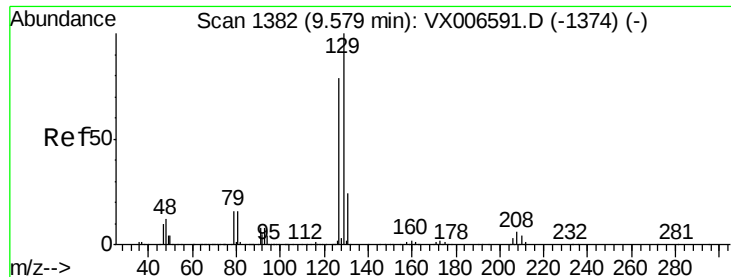
Tot Ion: 88 Resp: 146
Ion Ratio Lower Upper
88 100
43 176.7 22.2 33.4#
58 0.0 51.0 76.4#



#50
Toluene-d8
Concen: 49.332 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006727.D
Acq: 21 Dec 2018 16:50

Tgt Ion: 98 Resp: 1133049
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0





#60

Dibromochloromethane

Concen: 2.337 ug/l

RT: 9.71 min Scan# 1404

Delta R.T. 0.13 min

Lab File: VX006727.D

Acq: 21 Dec 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

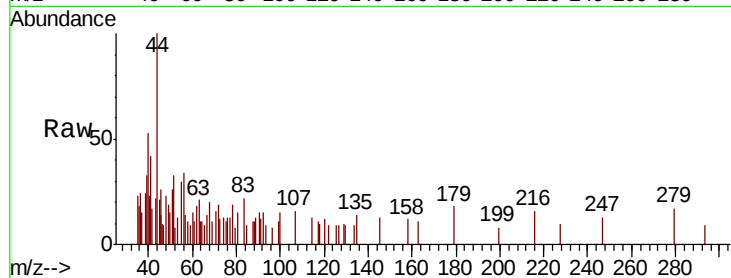
T11-MW-16-10.5-122018RE

Tot Ion:129 Resp: 88

Ion Ratio Lower Upper

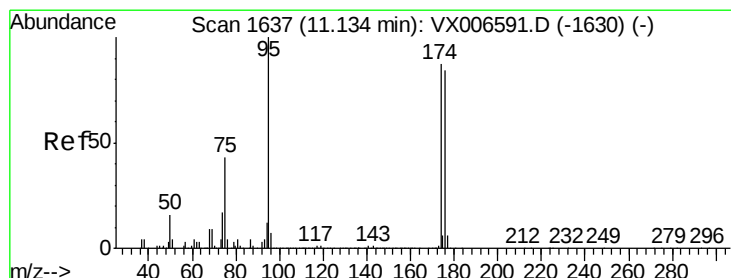
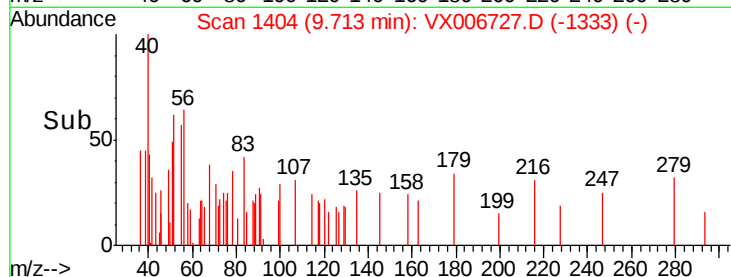
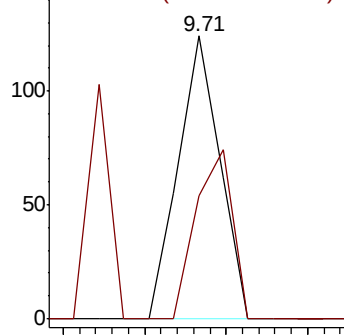
129 100

127 53.4 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.710 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006727.D

Acq: 21 Dec 2018 16:50

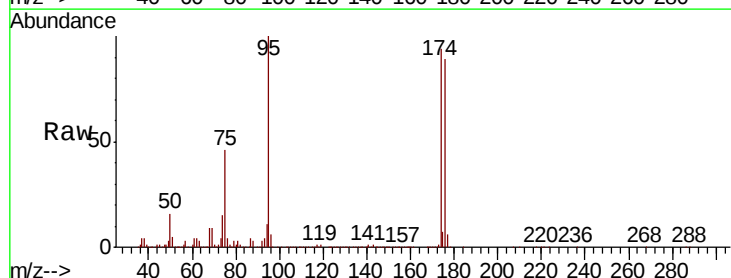
Tgt Ion: 95 Resp: 392920

Ion Ratio Lower Upper

95 100

174 88.8 0.0 182.2

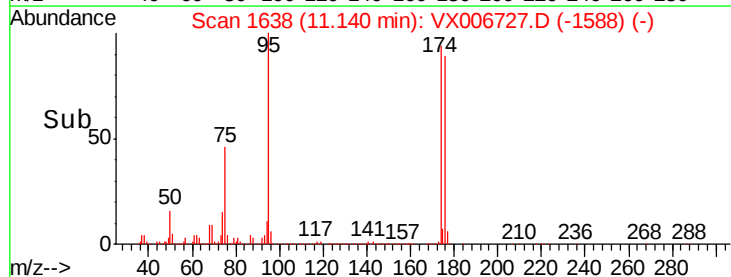
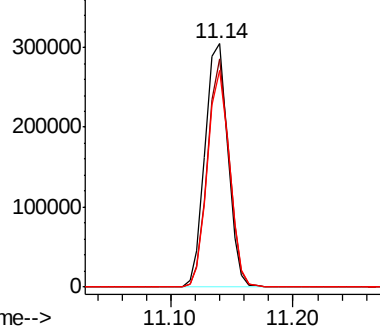
176 86.4 0.0 178.8

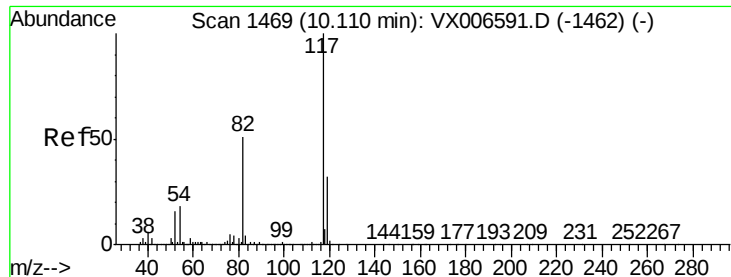


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

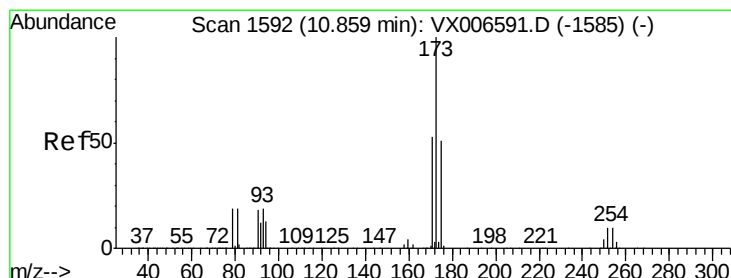
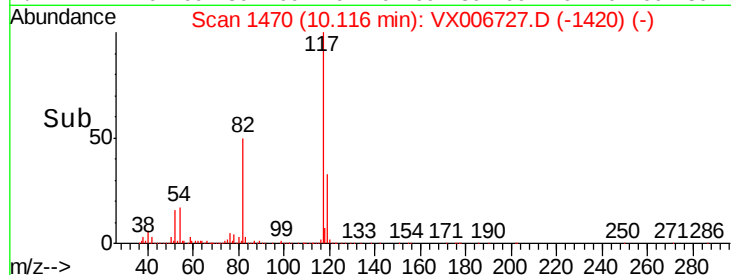
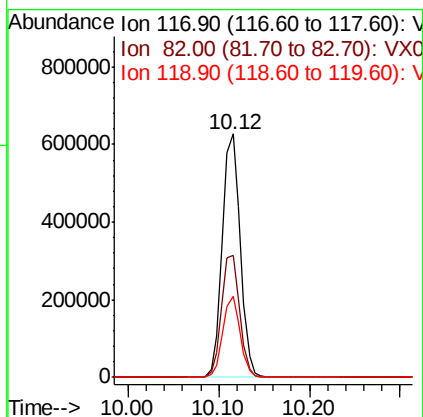
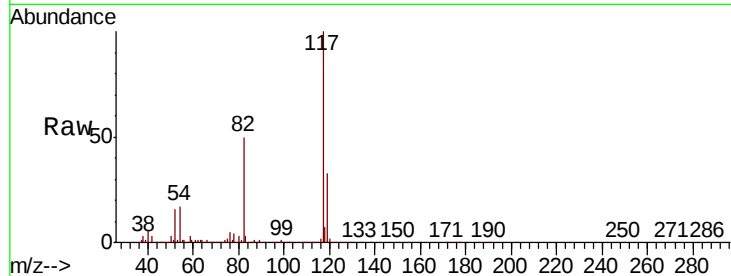




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006727.D
Acq: 21 Dec 2018 16:50

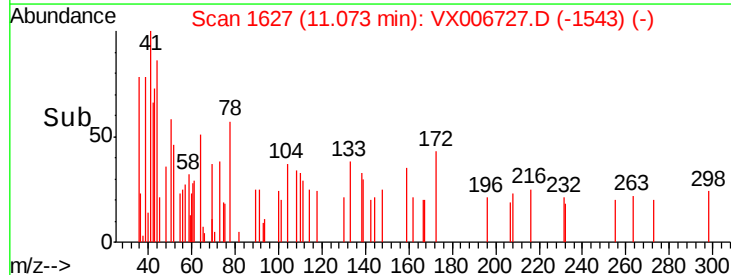
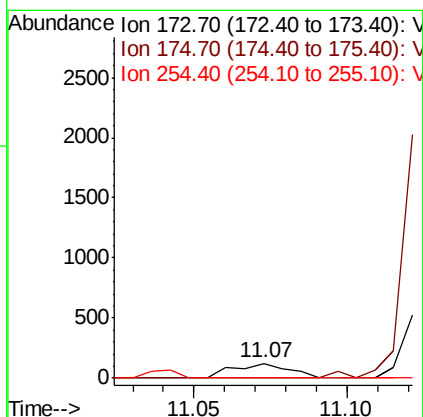
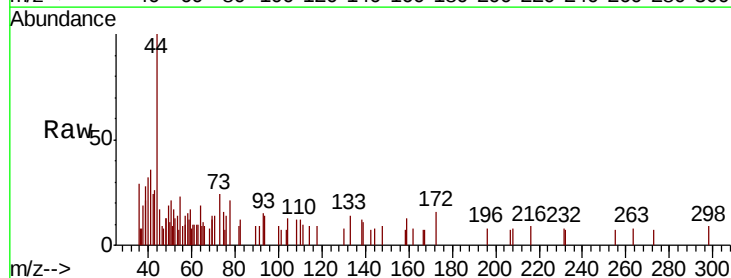
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-122018RE

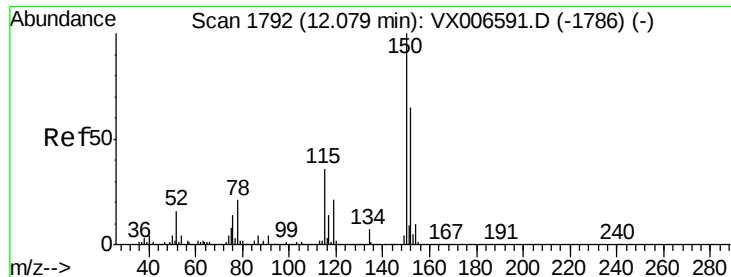
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.6
119	33.1	25.4	38.0



#71
Bromoform
Concen: 4.486 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.21 min
Lab File: VX006727.D
Acq: 21 Dec 2018 16:50

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.7	74.1#
254	0.0	0.2	0.2#



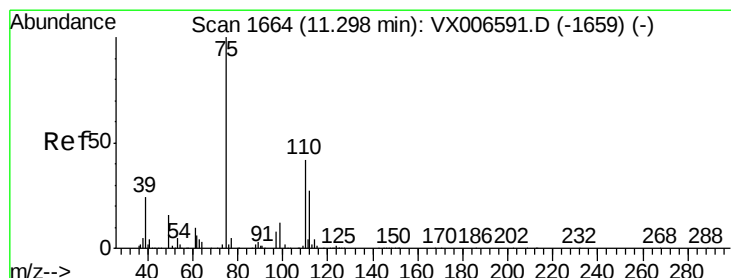
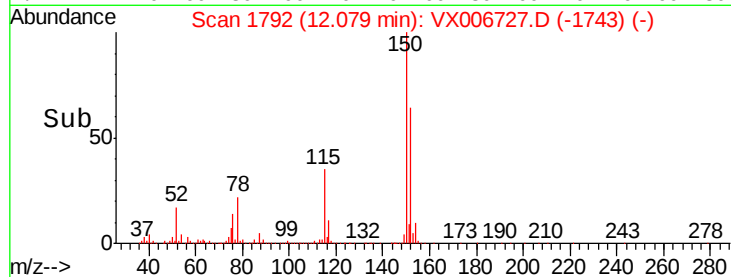
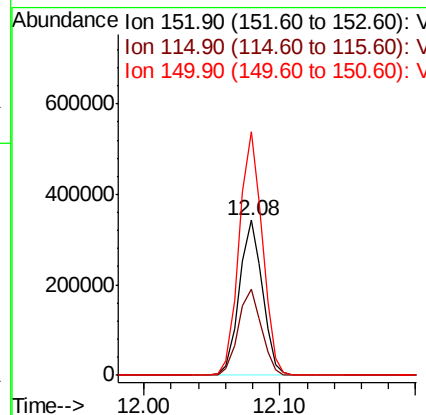
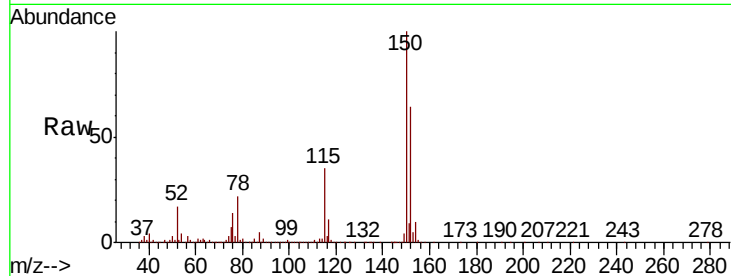


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006727.D
Acq: 21 Dec 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-122018RE

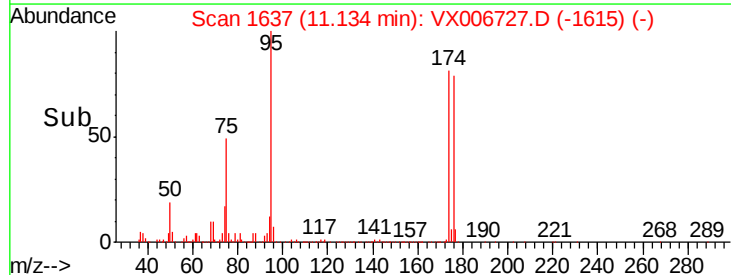
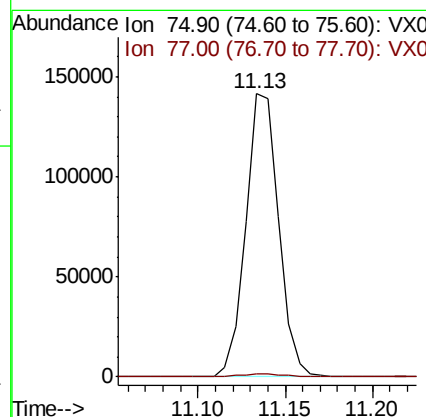
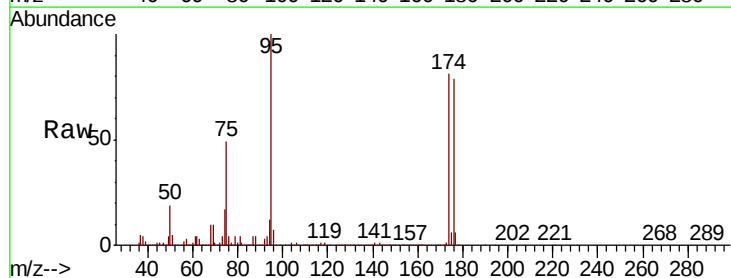
Tot Ion:152 Resp: 403755
Ion Ratio Lower Upper
152 100
115 56.2 39.1 117.2
150 158.1 0.0 344.8

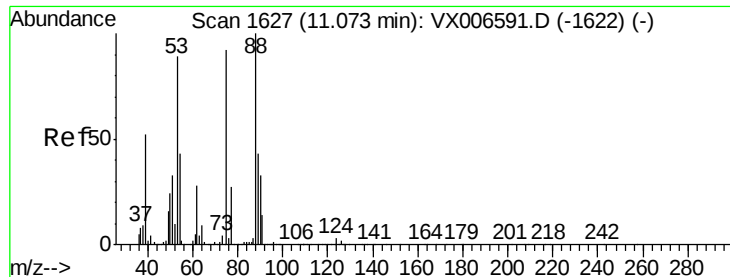


#76

1,2,3-Trichloropropane
Concen: 24.617 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006727.D
Acq: 21 Dec 2018 16:50

Tgt Ion: 75 Resp: 184709
Ion Ratio Lower Upper
75 100
77 1.4 18.5 55.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 72.806 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006727.D

Acq: 21 Dec 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-16-10.5-122018RE

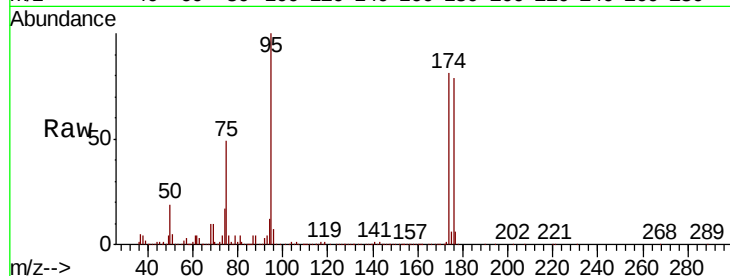
Tot Ion: 75 Resp: 184709

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

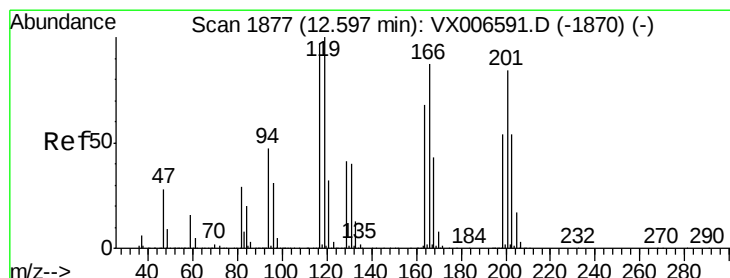
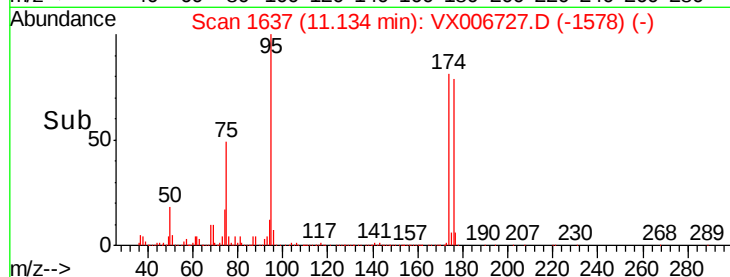
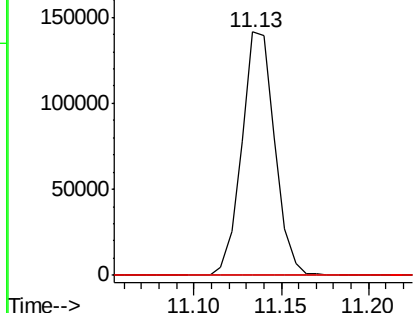
89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#90

Hexachloroethane

Concen: 3.672 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX006727.D

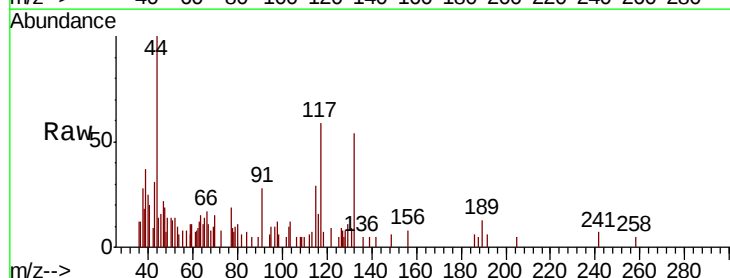
Acq: 21 Dec 2018 16:50

Tgt Ion: 117 Resp: 1556

Ion Ratio Lower Upper

117 100

201 1.3 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

