

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005614.D
 Acq On : 26 Oct 2018 19:22
 Operator : JC/MD
 Sample : J5696-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2018.10.25-GW

Quant Time: Oct 27 04:48:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	240805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154845	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	157596	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
35) Dibromofluoromethane	5.51	113	117187	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	8.71	98	426241	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.14	95	142910	43.50	ug/l	0.00
Spiked Amount			Recovery	=	87.00%	

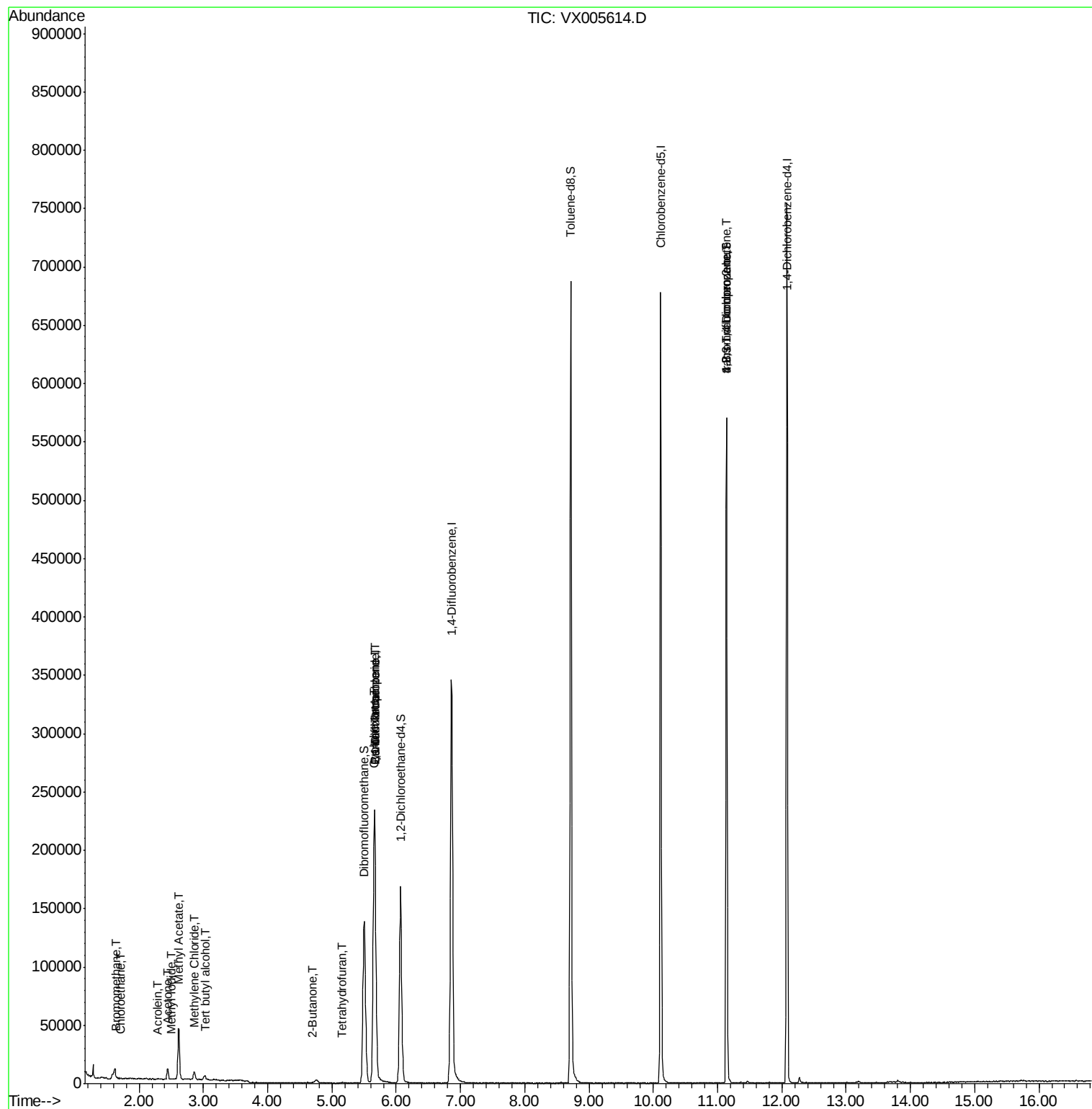
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	403	0.218	ug/l #	76
6) Chloroethane	1.71	64	407	0.214	ug/l #	83
10) Methyl Iodide	2.51	142	205	2.804	ug/l #	80
11) Tert butyl alcohol	3.02	59	2470	3.123	ug/l #	72
13) Acrolein	2.28	56	153	0.379	ug/l #	51
16) Acetone	2.45	43	10017	6.449	ug/l	96
18) Methyl Acetate	2.62	43	10366	1.277	ug/l #	56
20) Methylene Chloride	2.85	84	2894	1.112	ug/l #	94
25) 2-Butanone	4.70	43	1792	0.758	ug/l	97
29) Tetrahydrofuran	5.15	42	389	0.253	ug/l #	60
31) Cyclohexane	5.65	56	4759	1.201	ug/l #	11
36) 1,1-Dichloropropene	5.67	75	17790	5.126	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22068	6.038	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	70523	21.496	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	70523	70.238	ug/l #	9

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

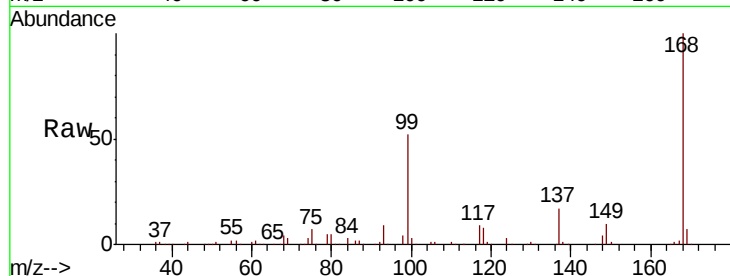
EB-2018.10.25-GW

Tot Ion:168 Resp: 240805

Ion Ratio Lower Upper

168 100

99 51.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

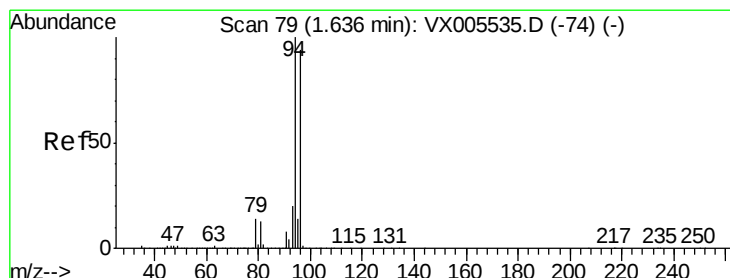
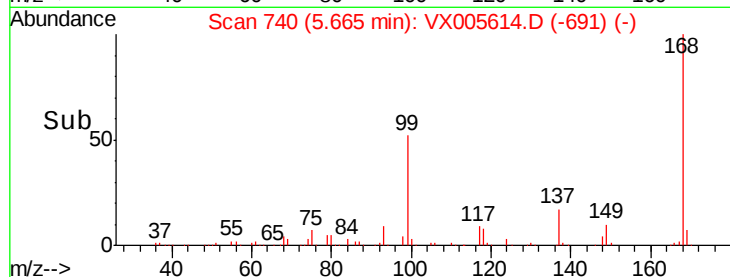
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.218 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005614.D

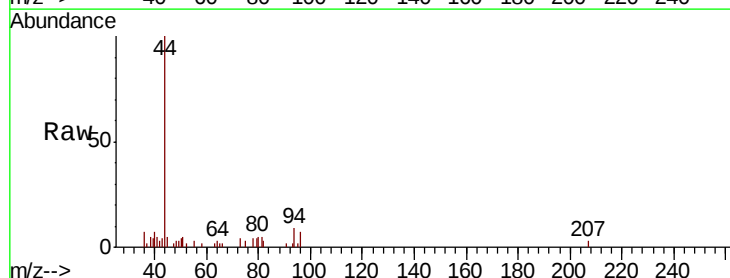
Acq: 26 Oct 2018 19:22

Tgt Ion: 94 Resp: 403

Ion Ratio Lower Upper

94 100

96 70.5 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

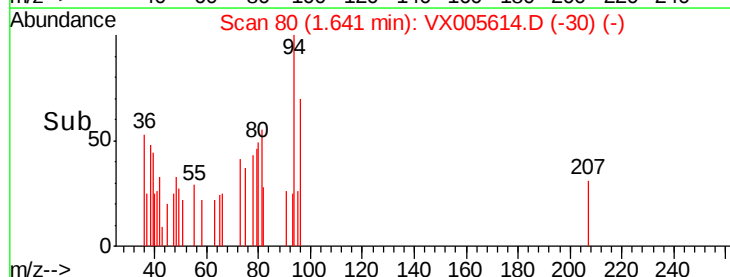
150

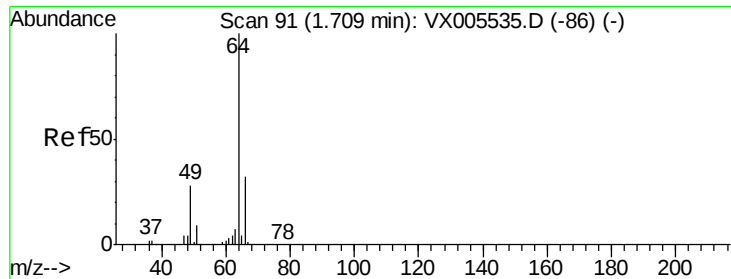
100

50

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.214 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

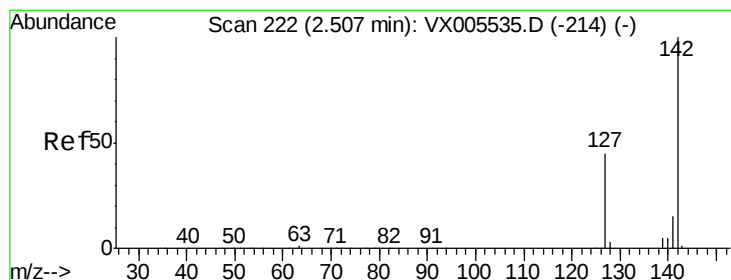
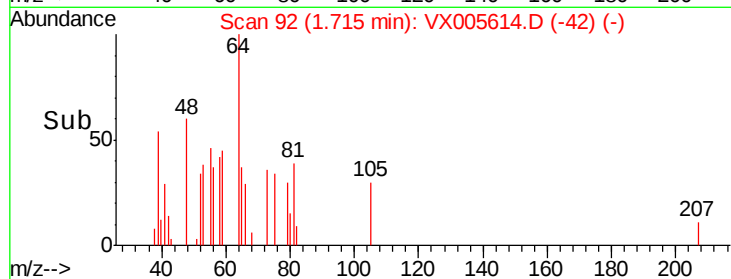
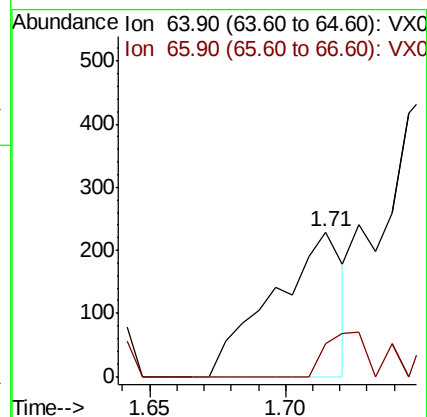
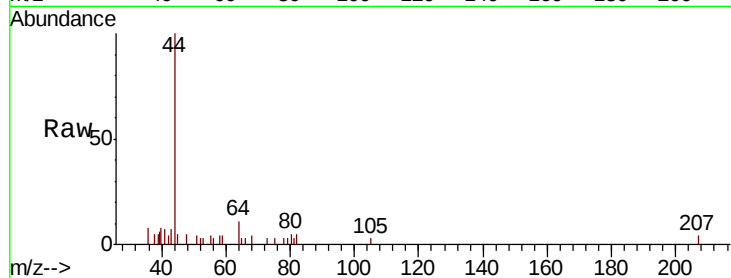
EB-2018.10.25-GW

Tot Ion: 64 Resp: 407

Ion Ratio Lower Upper

64 100

66 22.7 25.8 38.6#



#10

Methyl Iodide

Concen: 2.804 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

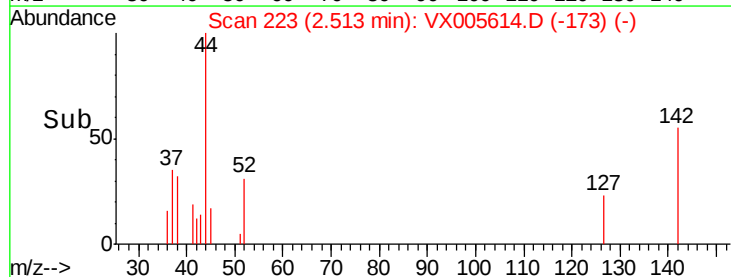
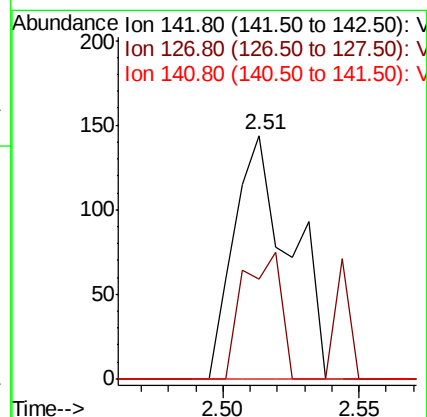
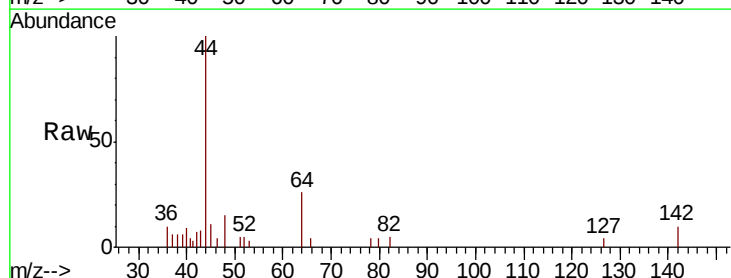
Tgt Ion: 142 Resp: 205

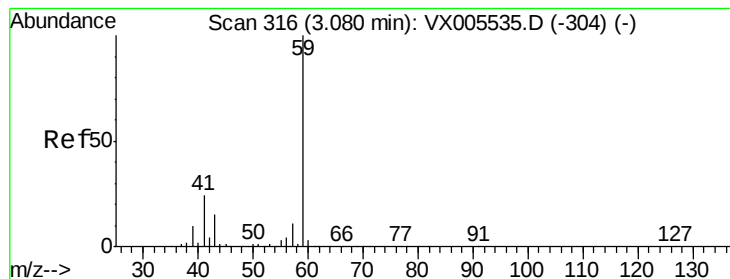
Ion Ratio Lower Upper

142 100

127 35.1 36.0 54.0#

141 0.0 11.7 17.5#



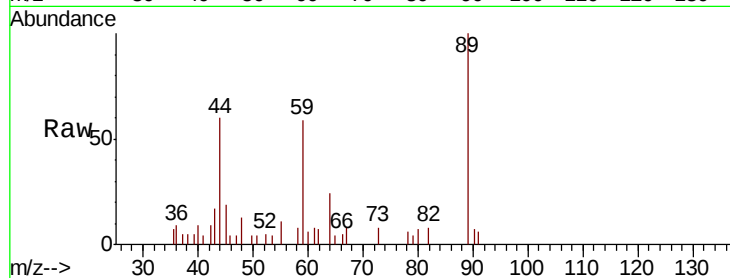


#11

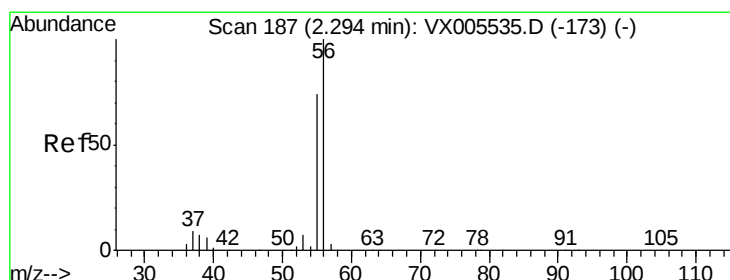
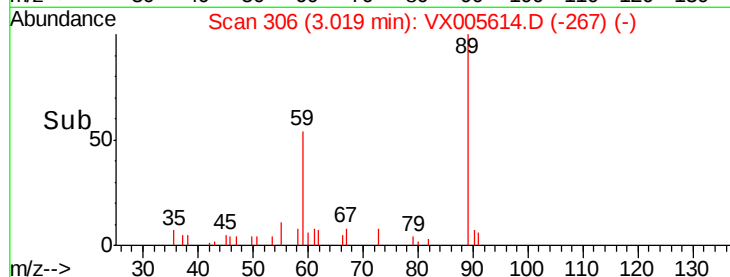
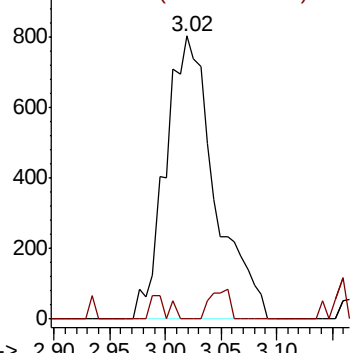
Tert butyl alcohol
Concen: 3.123 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005614.D
Acq: 26 Oct 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
EB-2018.10.25-GW

Tot Ion: 59 Resp: 2470
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



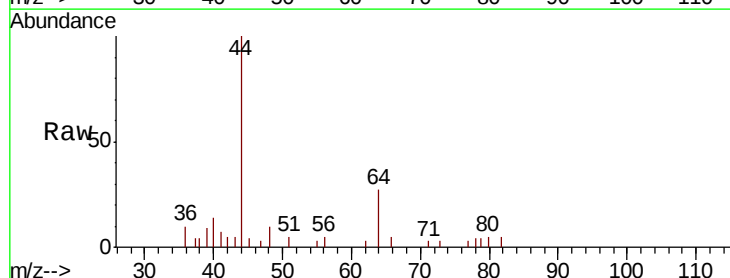
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



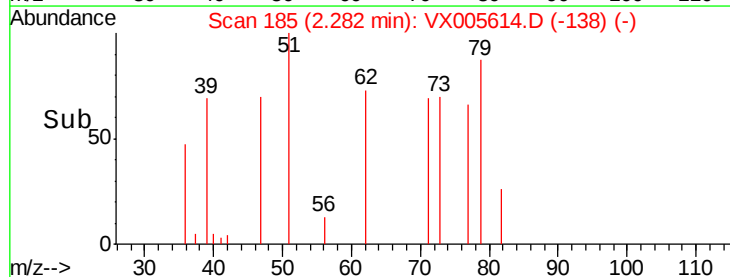
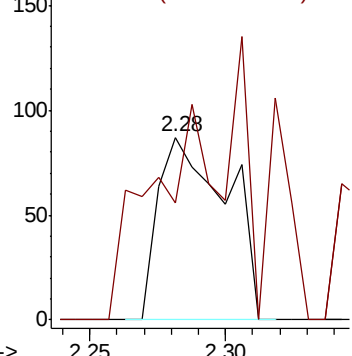
#13

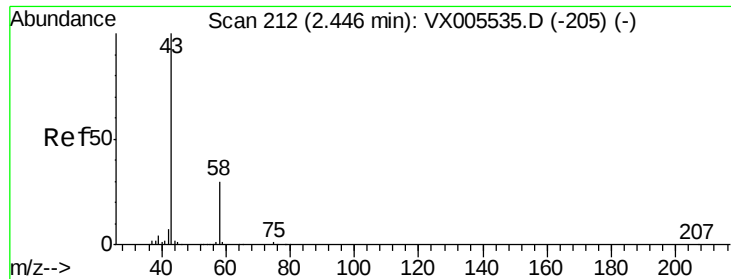
Acrolein
Concen: 0.379 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX005614.D
Acq: 26 Oct 2018 19:22

Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 112.4 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 6.449 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

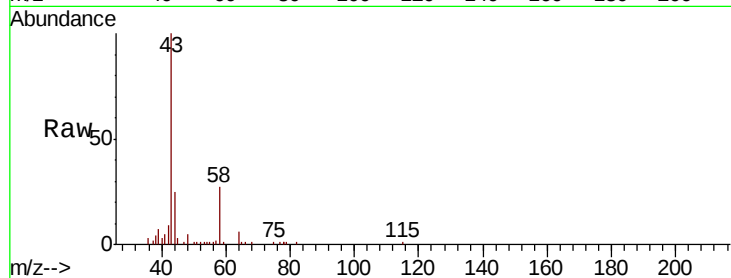
EB-2018.10.25-GW

Tot Ion: 43 Resp: 10017

Ion Ratio Lower Upper

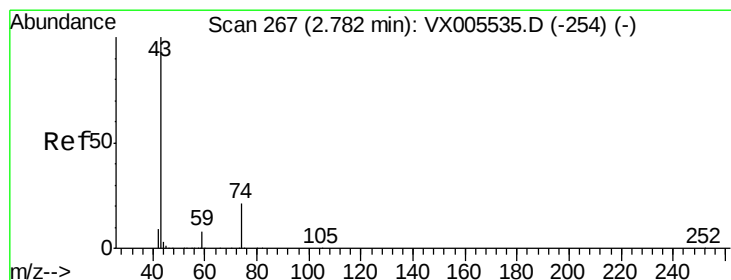
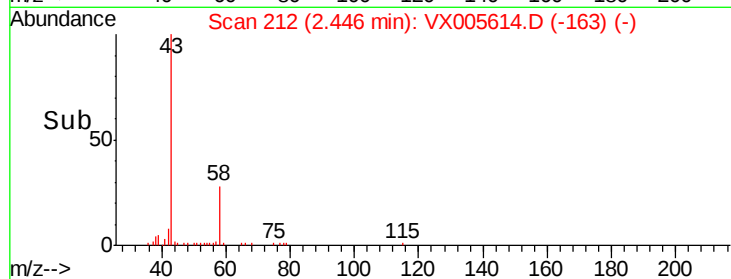
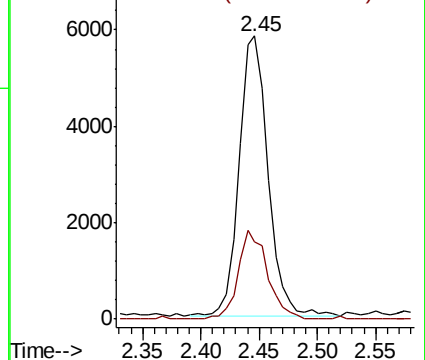
43 100

58 27.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.277 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.16 min

Lab File: VX005614.D

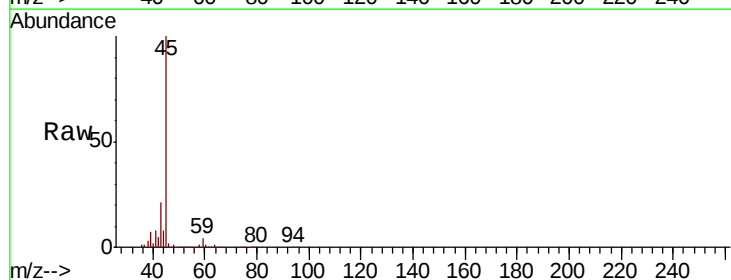
Acq: 26 Oct 2018 19:22

Tgt Ion: 43 Resp: 10366

Ion Ratio Lower Upper

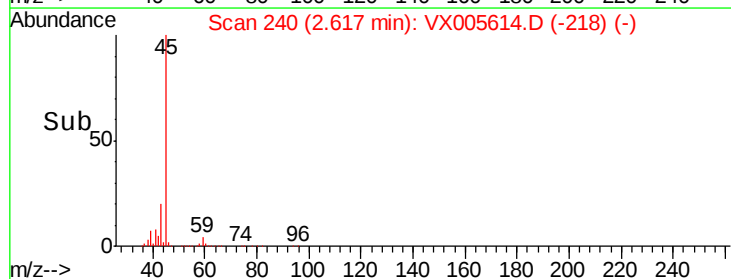
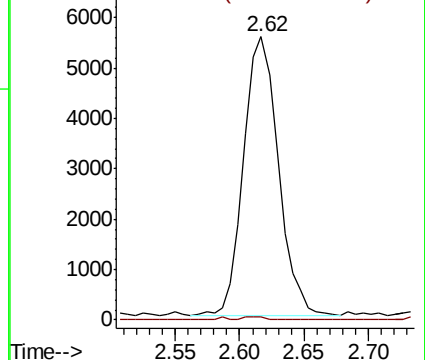
43 100

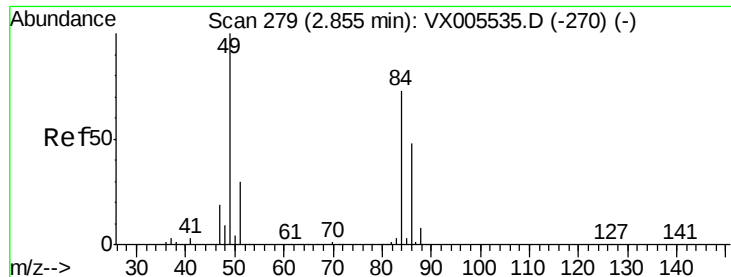
74 0.6 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

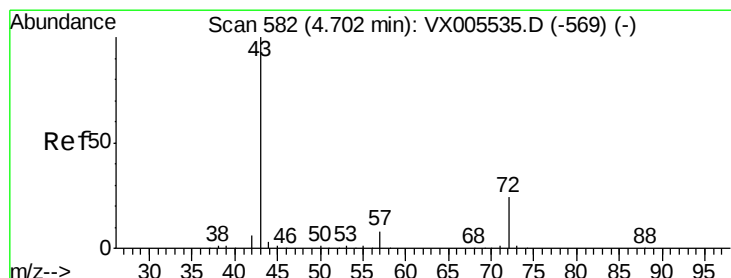
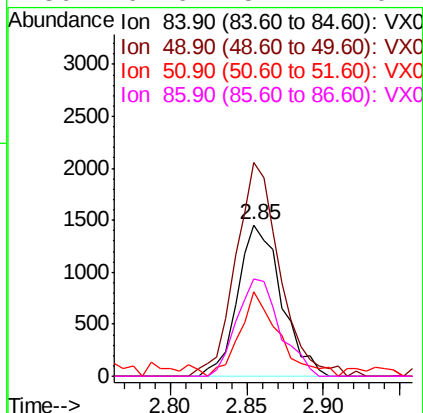
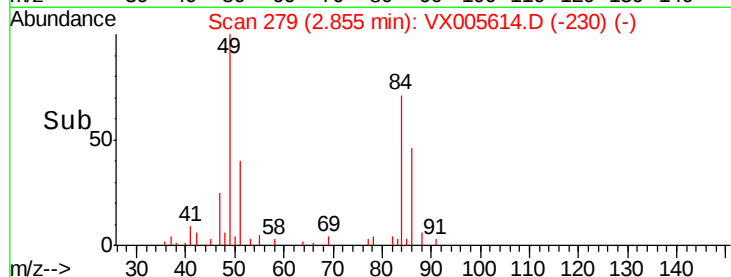
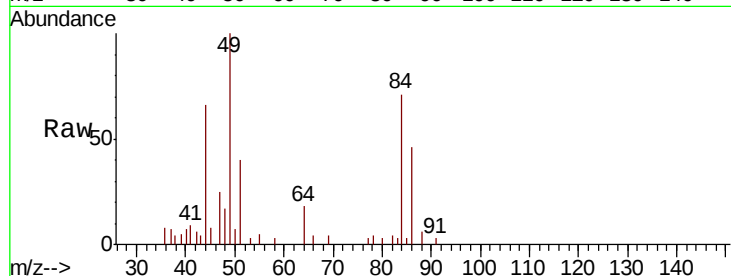




#20
Methvlene Chloride
Concen: 1.112 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005614.D
Acq: 26 Oct 2018 19:22

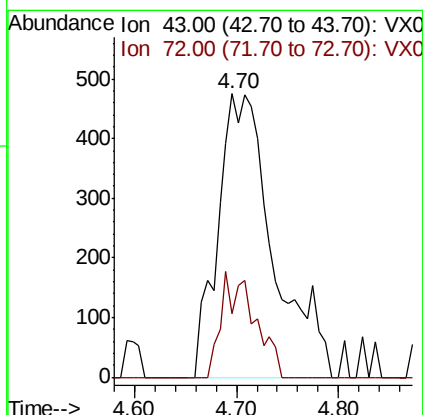
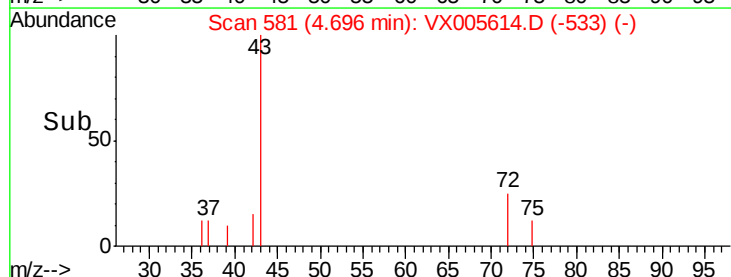
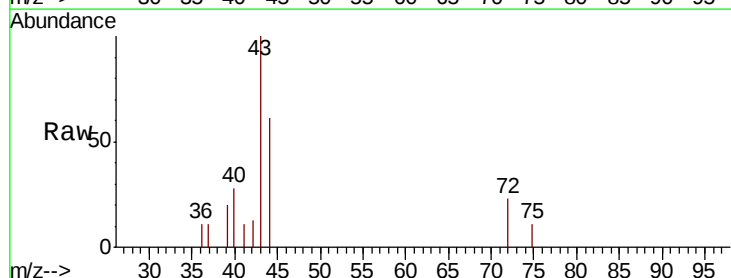
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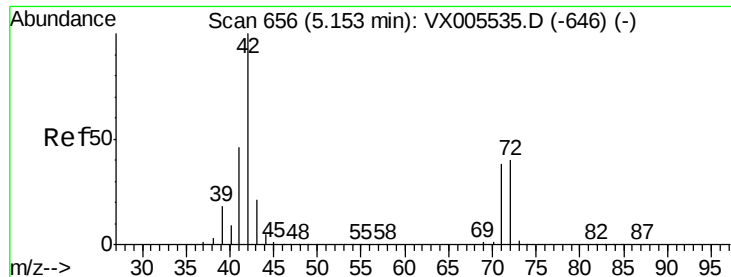
Tot Ion: 84 Resp: 2894
Ion Ratio Lower Upper
84 100
49 141.4 109.5 164.3
51 56.0 33.3 49.9#
86 64.6 52.7 79.1



#25
2-Butanone
Concen: 0.758 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX005614.D
Acq: 26 Oct 2018 19:22

Tgt Ion: 43 Resp: 1792
Ion Ratio Lower Upper
43 100
72 22.5 19.2 28.8

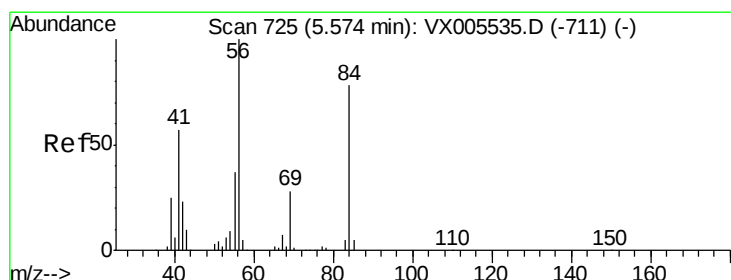
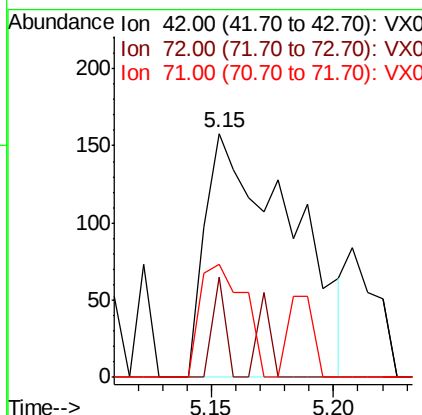
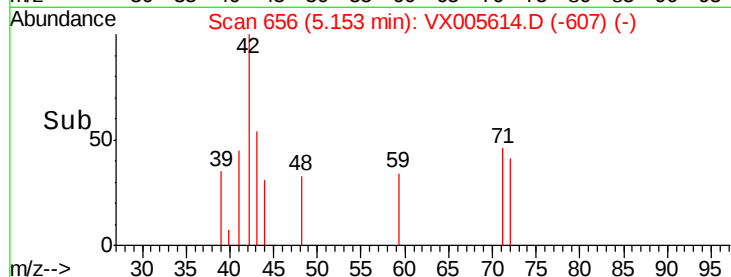
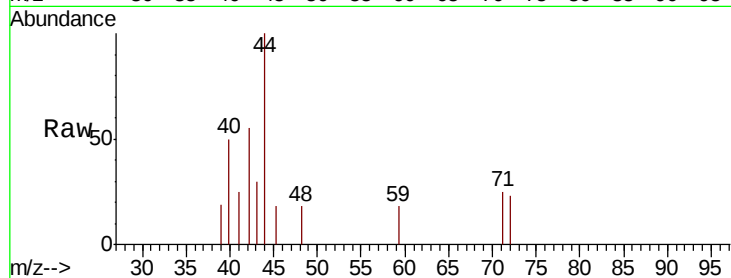




#29
Tetrahydrofuran
Concen: 0.253 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005614.D
Acq: 26 Oct 2018 19:22

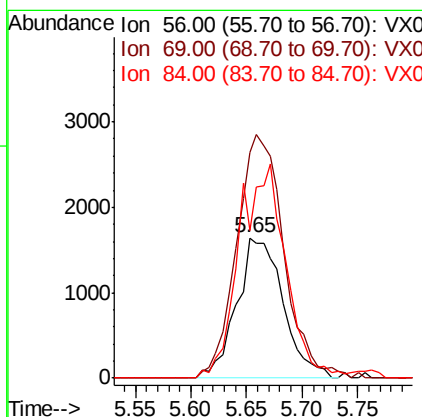
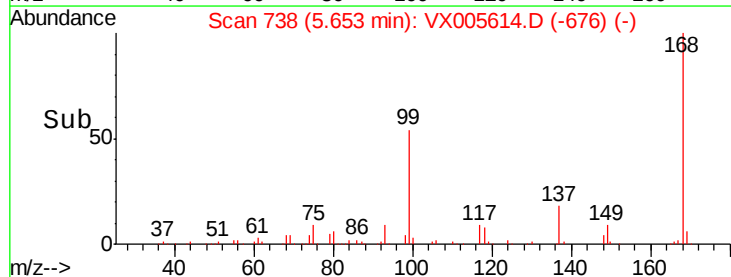
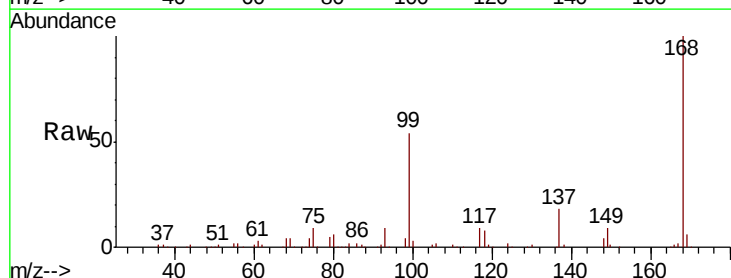
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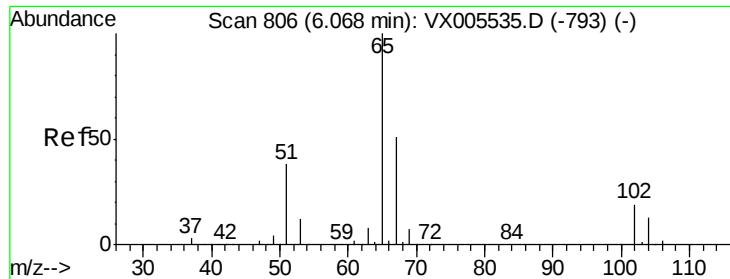
Tot Ion: 42 Resp: 389
Ion Ratio Lower Upper
42 100
72 6.2 32.0 48.0#
71 23.4 29.8 44.8#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX005614.D
Acq: 26 Oct 2018 19:22

Tgt Ion: 56 Resp: 4759
Ion Ratio Lower Upper
56 100
69 160.7 22.6 34.0#
84 105.2 62.7 94.1#





#33

1,2-Dichloroethane-d4

Concen: 53.613 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

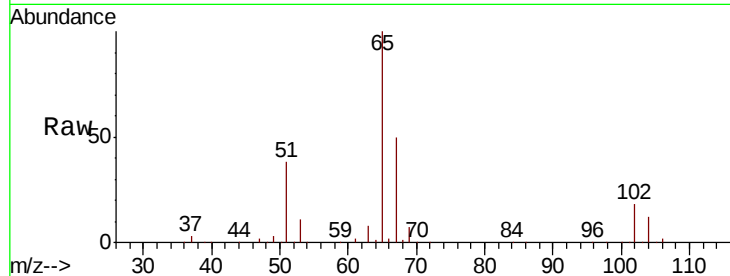
EB-2018.10.25-GW

Tot Ion: 65 Resp: 157596

Ion Ratio Lower Upper

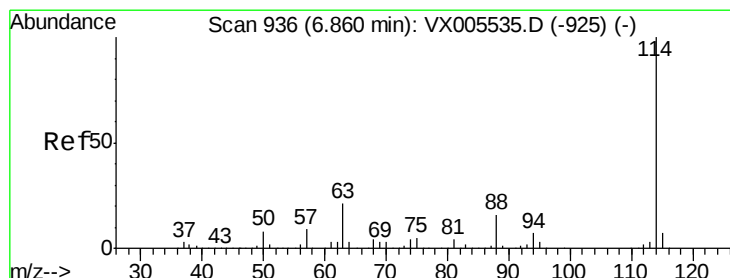
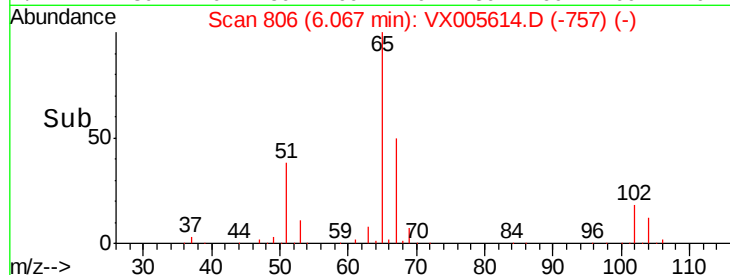
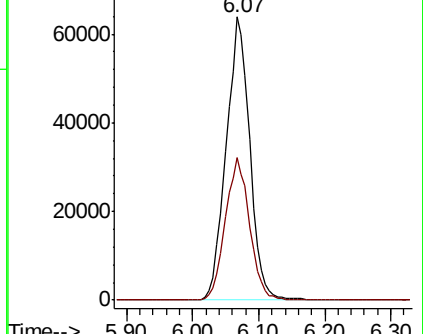
65 100

67 51.6 0.0 105.0



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

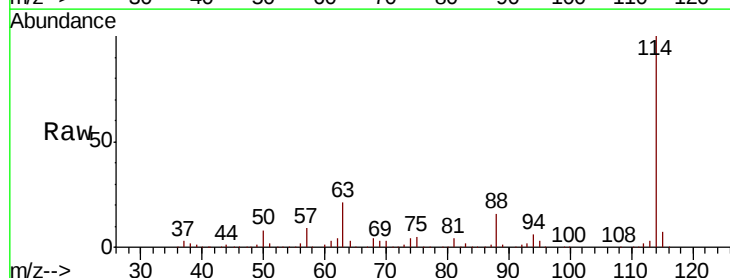
Tgt Ion: 114 Resp: 357593

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.8

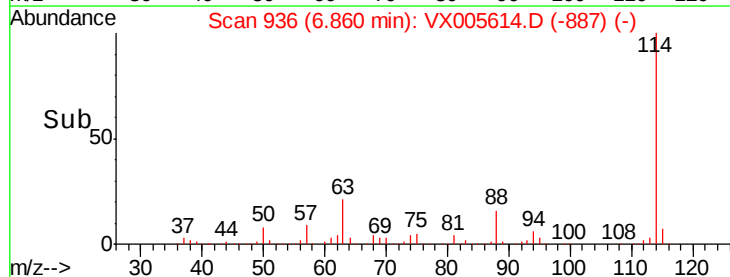
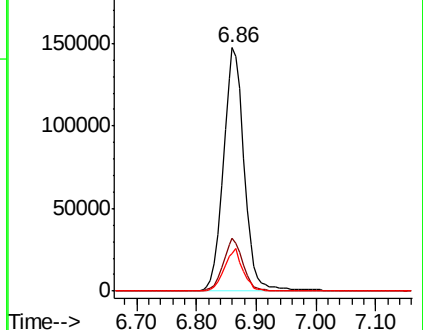
88 15.6 0.0 31.2

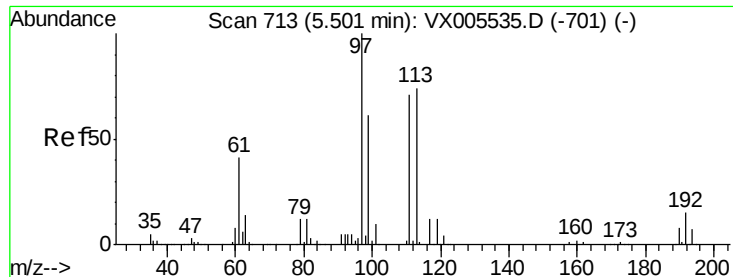


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.398 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

EB-2018.10.25-GW

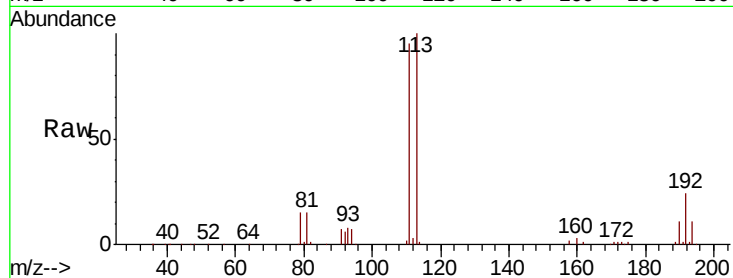
Tot Ion:113 Resp: 117187

Ion Ratio Lower Upper

113 100

111 104.6 82.3 123.5

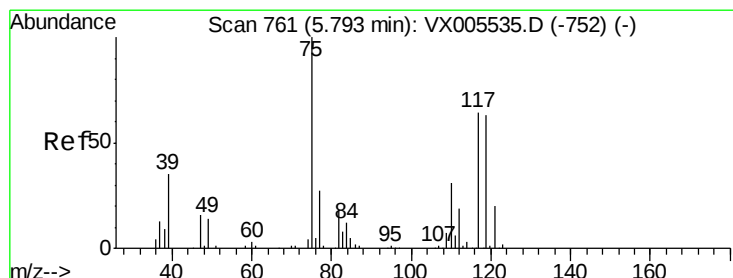
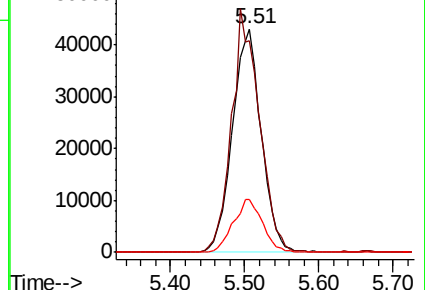
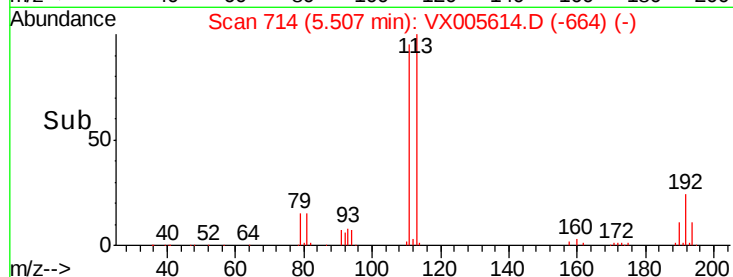
192 24.1 17.9 26.9



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: 5.126 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

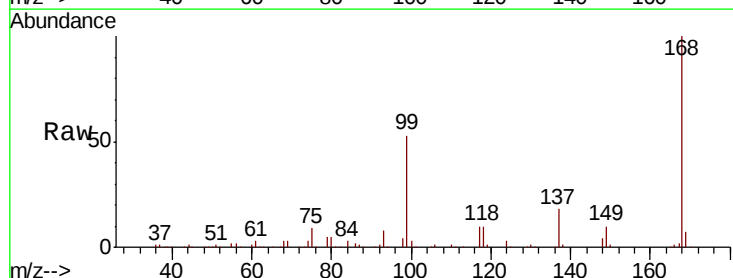
Tgt Ion: 75 Resp: 17790

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.2#

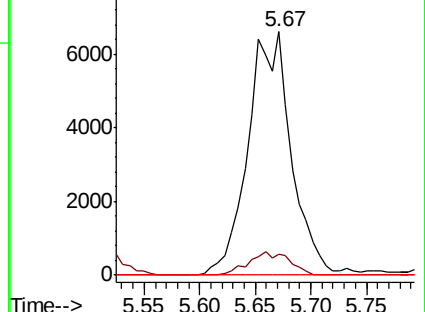
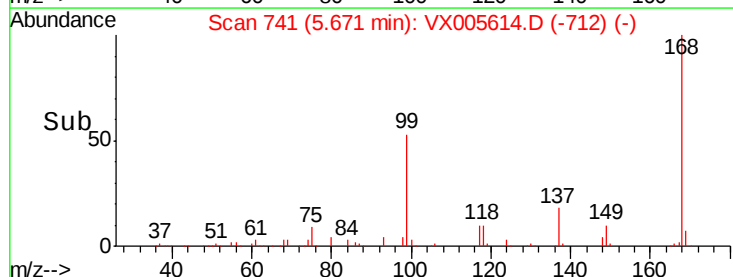
77 0.0 25.8 38.6#

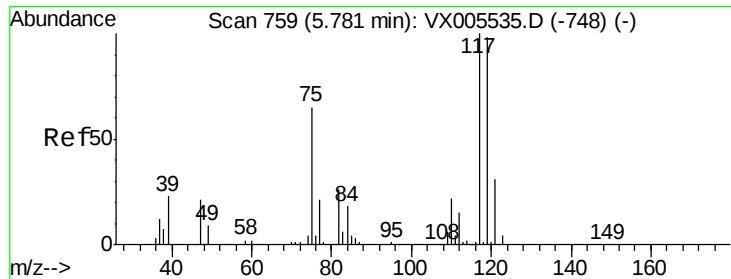


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.038 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

EB-2018.10.25-GW

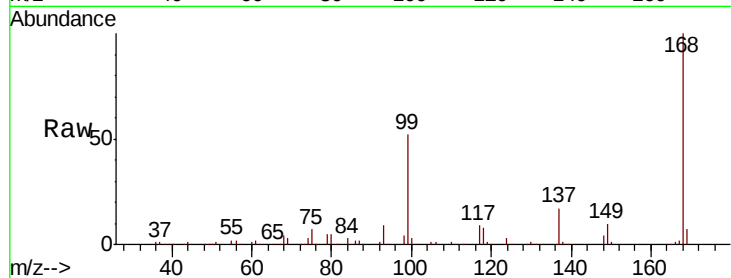
Tot Ion:117 Resp: 22068

Ion Ratio Lower Upper

117 100

119 6.4 78.1 117.1#

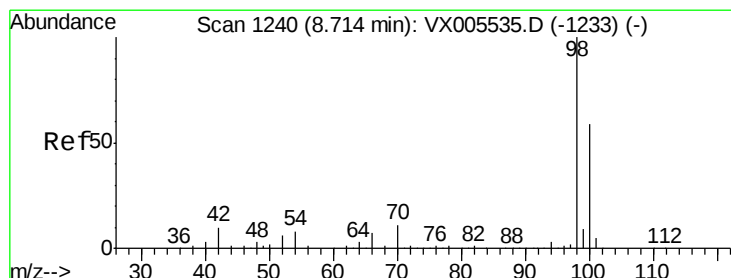
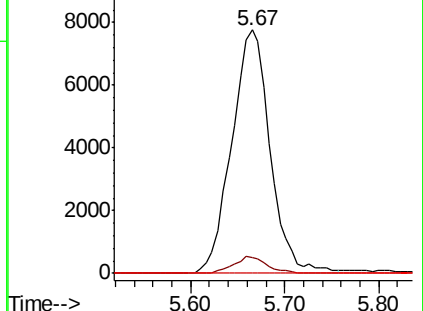
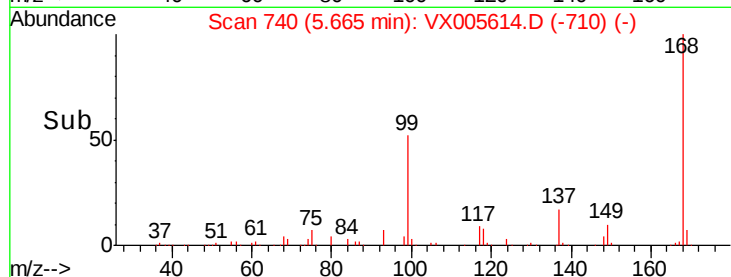
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 48.991 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005614.D

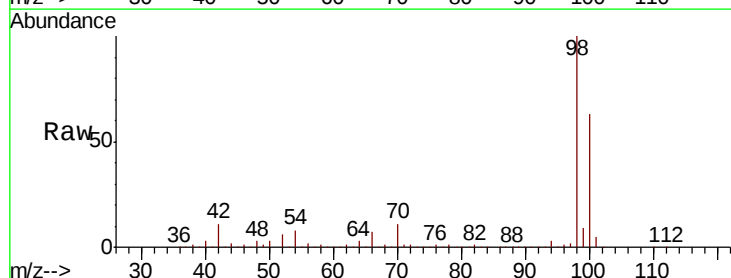
Acq: 26 Oct 2018 19:22

Tgt Ion: 98 Resp: 426241

Ion Ratio Lower Upper

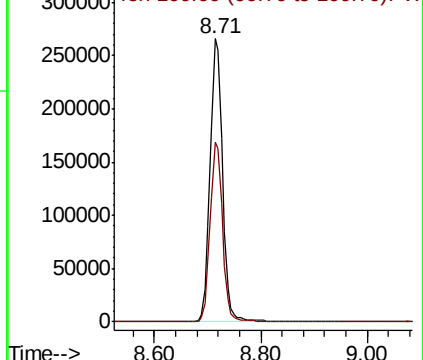
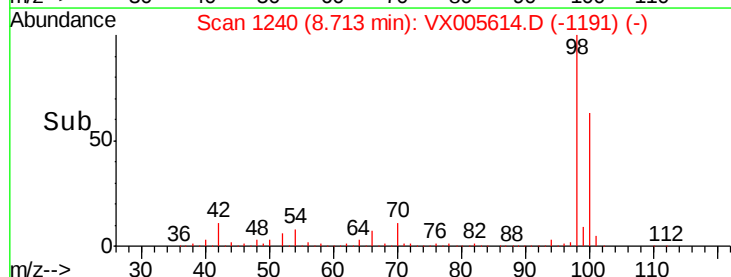
98 100

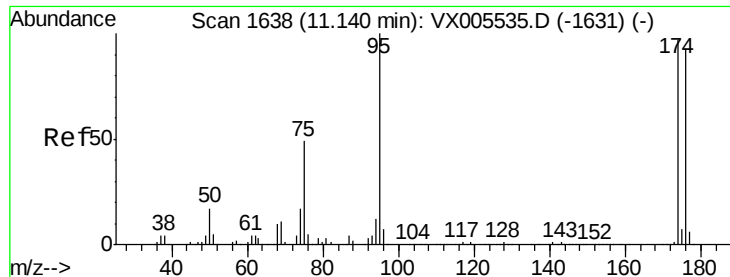
100 63.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

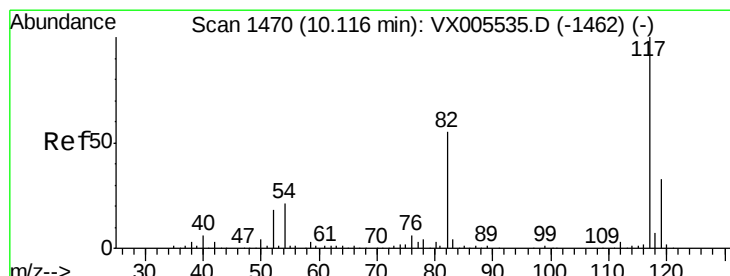
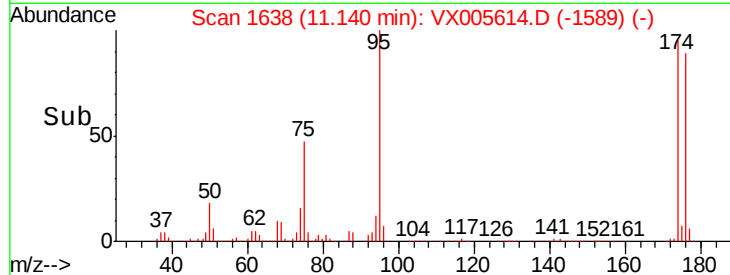
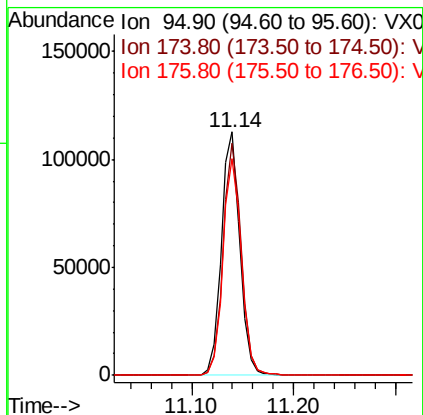
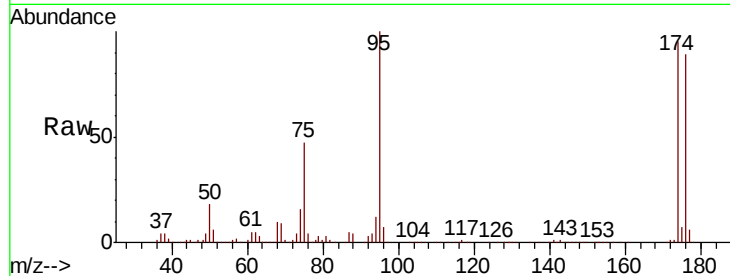




#62
4-Bromofluorobenzene
Concen: 43.495 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005614.D
Acq: 26 Oct 2018 19:22

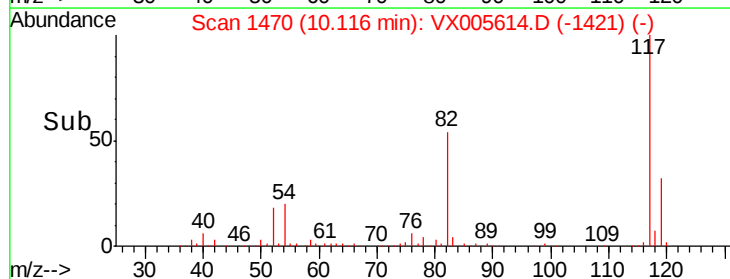
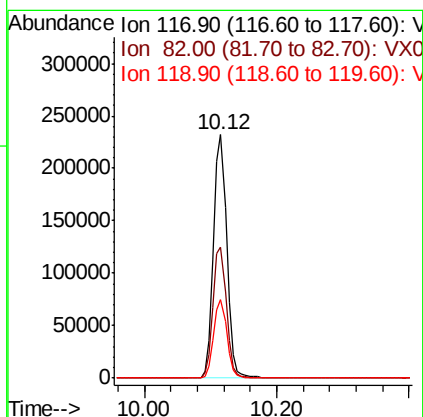
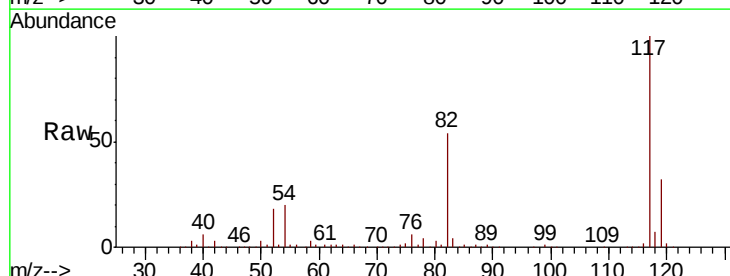
Instrument :
MSVOA_X
ClientSampleId :
EB-2018.10.25-GW

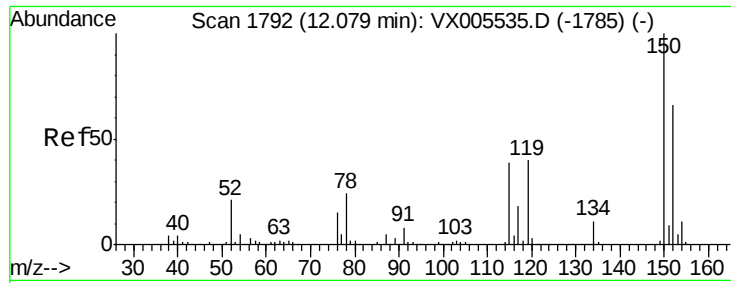
Tot Ion: 95 Resp: 142910
Ion Ratio Lower Upper
95 100
174 93.4 0.0 184.4
176 89.0 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005614.D
Acq: 26 Oct 2018 19:22

Tgt Ion: 117 Resp: 320191
Ion Ratio Lower Upper
117 100
82 53.9 44.1 66.1
119 32.1 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

EB-2018.10.25-GW

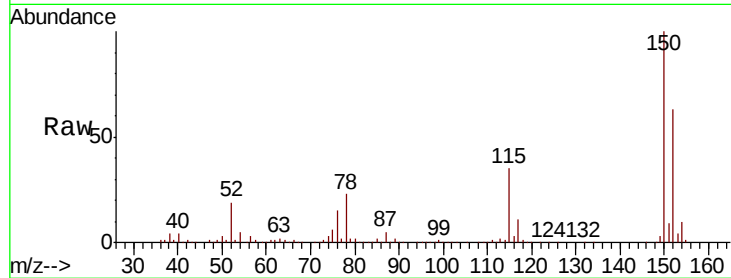
Tot Ion:152 Resp: 154845

Ion Ratio Lower Upper

152 100

115 55.6 39.4 118.1

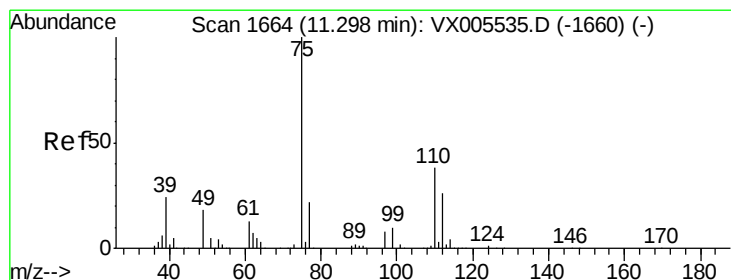
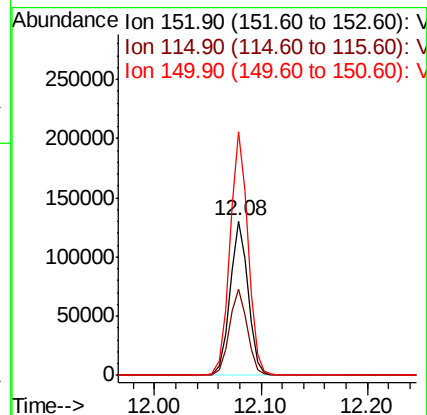
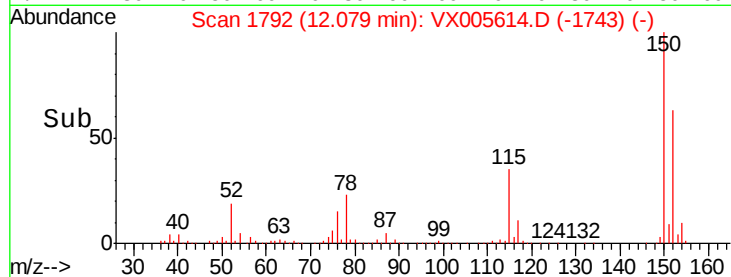
150 157.4 0.0 346.4



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: 21.496 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005614.D

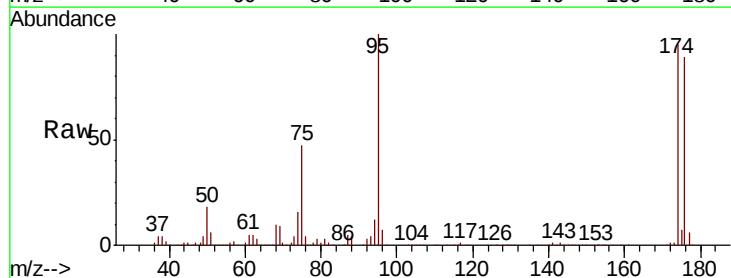
Acq: 26 Oct 2018 19:22

Tgt Ion: 75 Resp: 70523

Ion Ratio Lower Upper

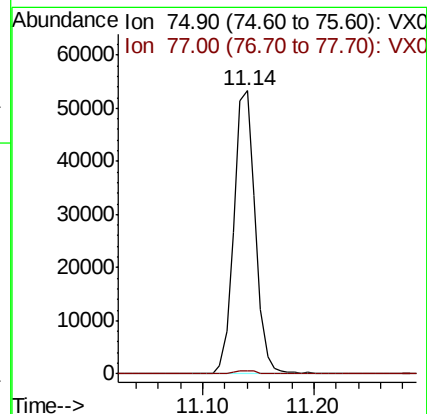
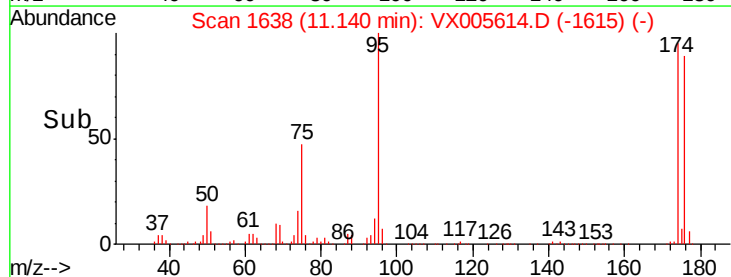
75 100

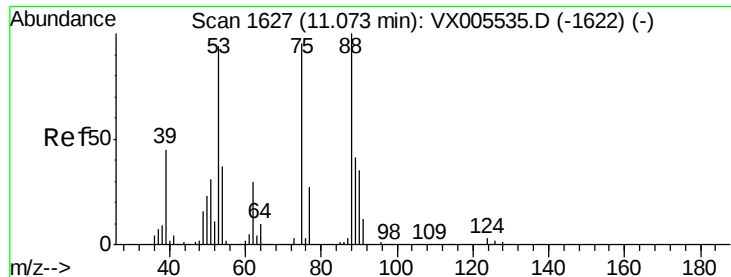
77 1.2 20.5 61.6#



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: 70.238 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005614.D

Acq: 26 Oct 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

EB-2018.10.25-GW

Tot Ion: 75 Resp: 70523

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#

