

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006205.D
 Acq On : 27 Nov 2018 05:24
 Operator : JC/MD
 Sample : J6050-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DTW-02

Quant Time: Nov 27 08:03:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	269149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	399220	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188907	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	175115	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
35) Dibromofluoromethane	5.50	113	138903	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
50) Toluene-d8	8.71	98	491044	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.14	95	166984	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds

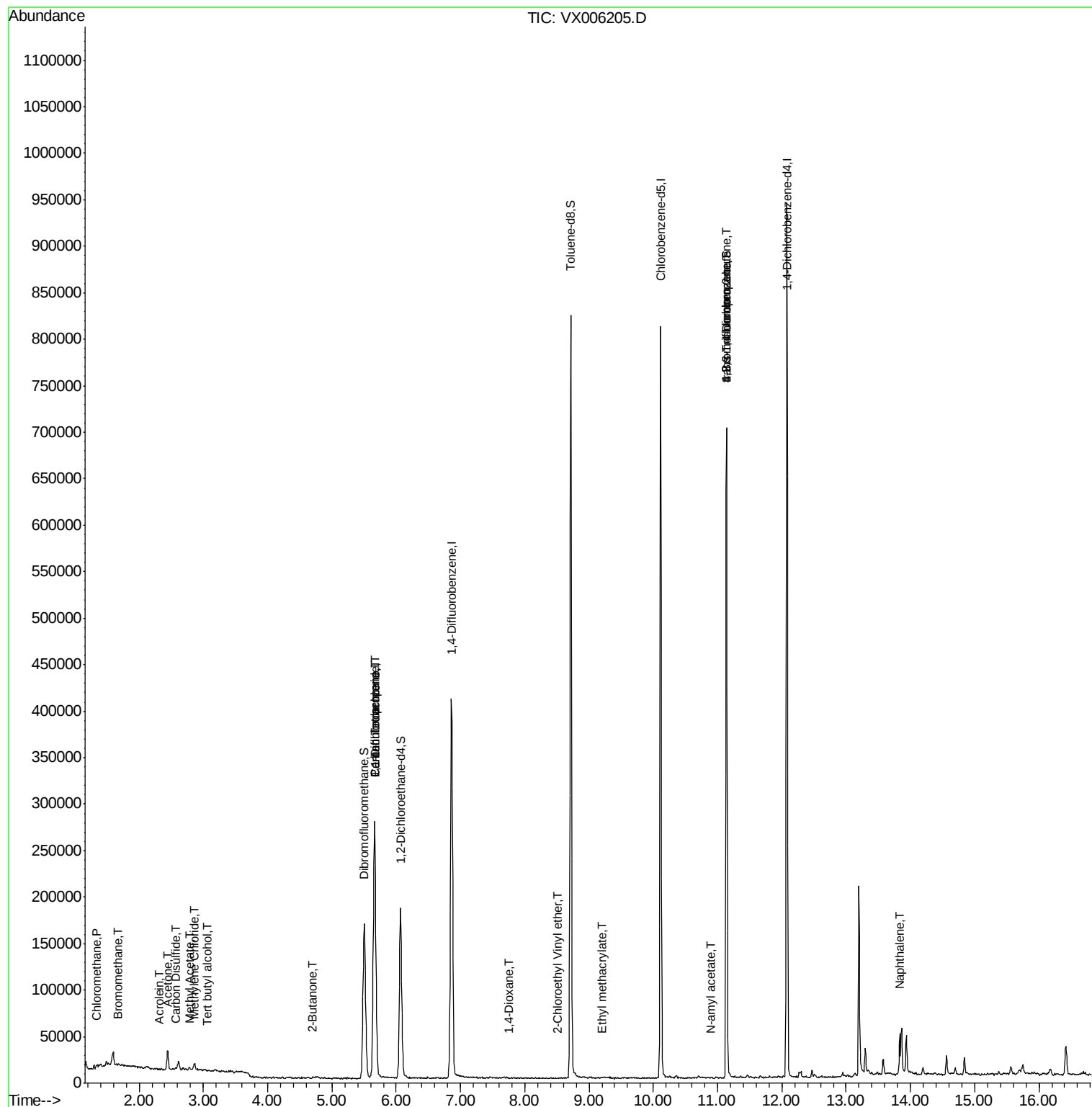
					Qvalue
3) Chloromethane	1.33	50	970	0.384 ug/l #	66
5) Bromomethane	1.67	94	617	4.004 ug/l #	32
6) Chloroethane	1.74	64	767	Below Cal	95
11) Tert butyl alcohol	3.06	59	802	1.209 ug/l #	51
13) Acrolein	2.31	56	95	0.239 ug/l #	1
16) Acetone	2.45	43	22262	16.086 ug/l	99
17) Carbon Disulfide	2.57	76	2254	0.430 ug/l #	92
18) Methyl Acetate	2.78	43	3021	0.851 ug/l	96
20) Methylene Chloride	2.86	84	3574	1.368 ug/l	96
25) 2-Butanone	4.70	43	1014	0.395 ug/l #	51
36) 1,1-Dichloropropene	5.66	75	19142	5.270 ug/l #	51
38) Carbon Tetrachloride	5.67	117	25288	7.408 ug/l #	18
49) 1,4-Dioxane	7.76	88	82	1.010 ug/l #	1
56) Ethyl methacrylate	9.20	69	180	2.903 ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.51	63	154	6.782 ug/l	96
74) N-amyl acetate	10.89	43	207	2.226 ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	87907	22.603 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	87907	76.448 ug/l #	8
95) Naphthalene	13.83	128	26203	2.096 ug/l	95

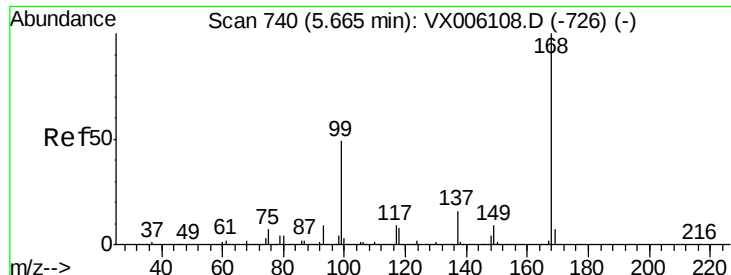
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
DTW-02

Quant Time: Nov 27 08:03:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 08:15:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

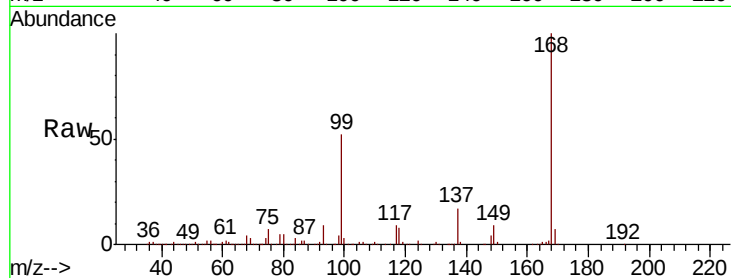
DTW-02

Tot Ion:168 Resp: 269149

Ion Ratio Lower Upper

168 100

99 51.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

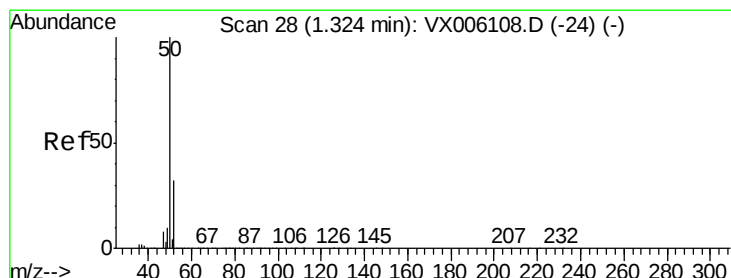
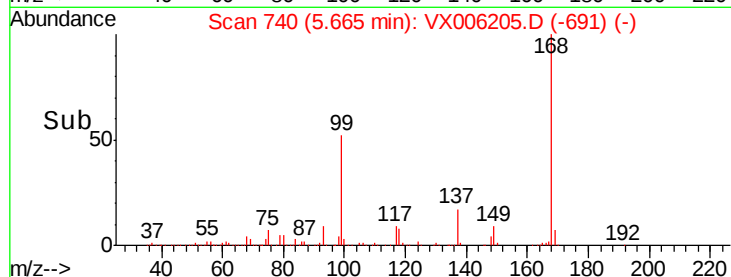
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.384 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006205.D

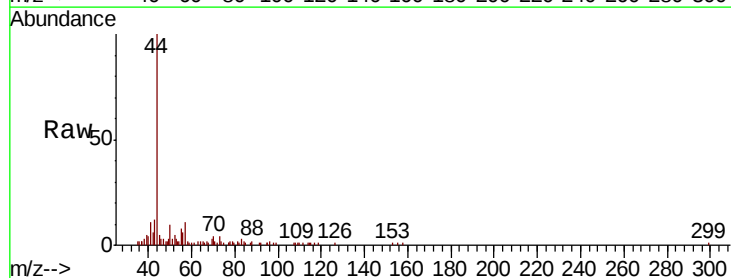
Acq: 27 Nov 2018 05:24

Tgt Ion: 50 Resp: 970

Ion Ratio Lower Upper

50 100

52 51.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

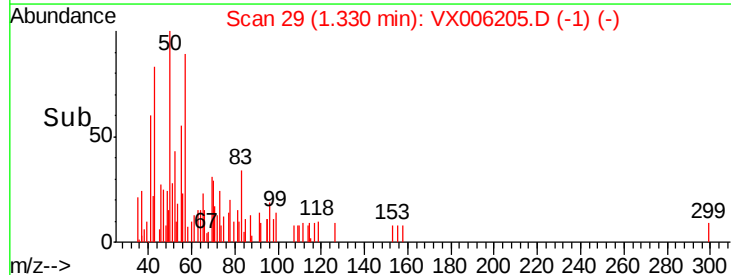
600

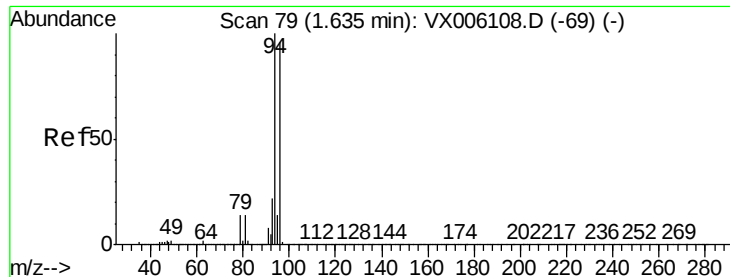
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 4.004 ug/l

RT: 1.67 min Scan# 85

Delta R.T. 0.04 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

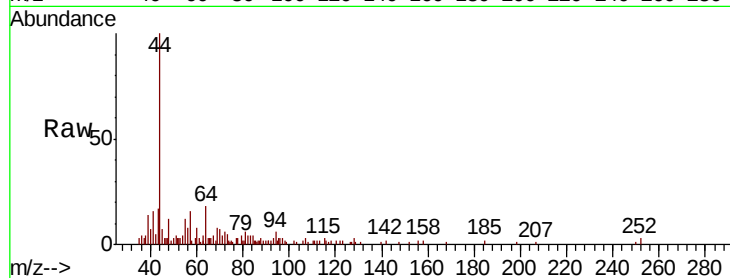
DTW-02

Tot Ion: 94 Resp: 617

Ion Ratio Lower Upper

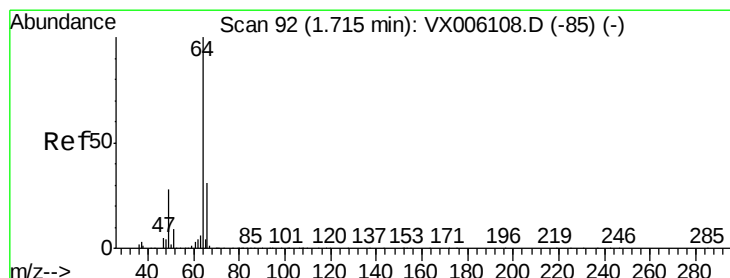
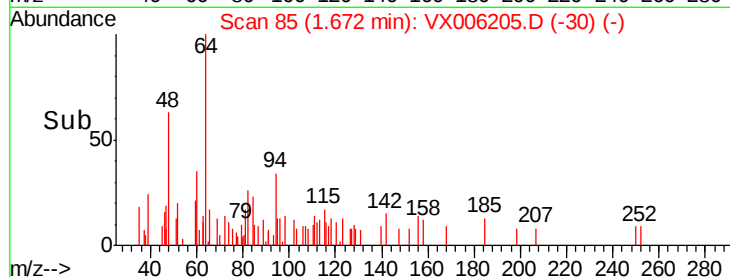
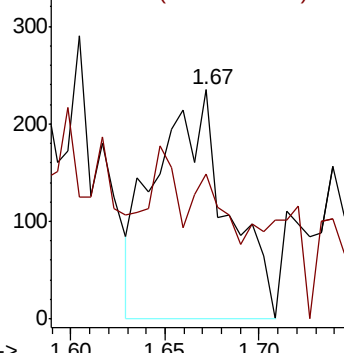
94 100

96 29.4 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX006205.D

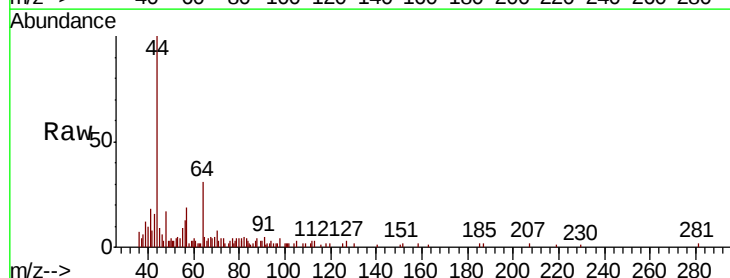
Acq: 27 Nov 2018 05:24

Tgt Ion: 64 Resp: 767

Ion Ratio Lower Upper

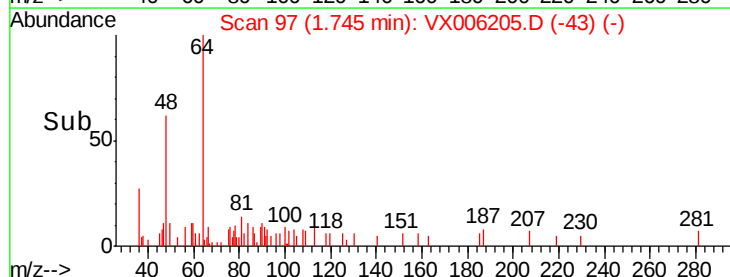
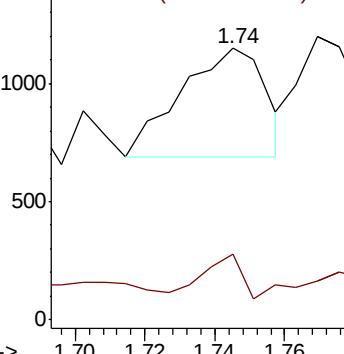
64 100

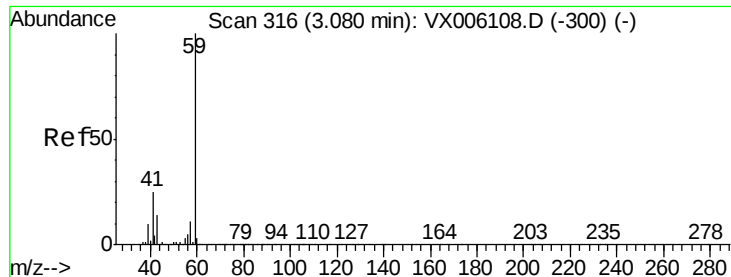
66 28.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



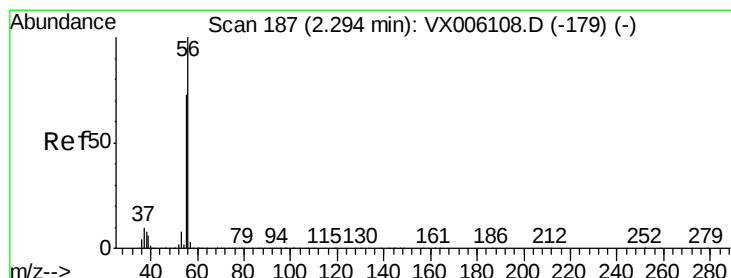
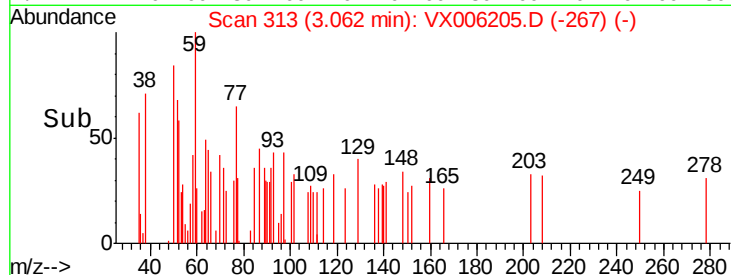
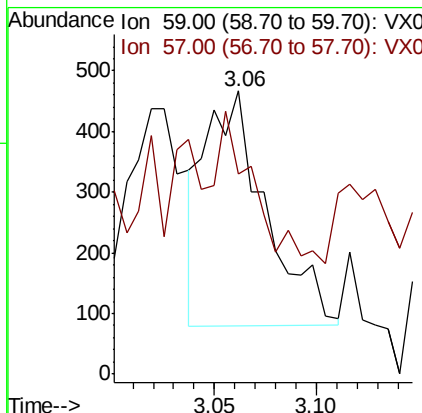
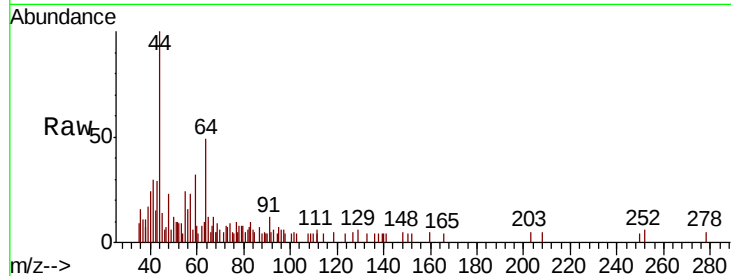


#11

Tert butyl alcohol
 Concen: 1.209 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX006205.D
 Acq: 27 Nov 2018 05:24

Instrument :
 MSVOA_X
 ClientSampleId :
 DTW-02

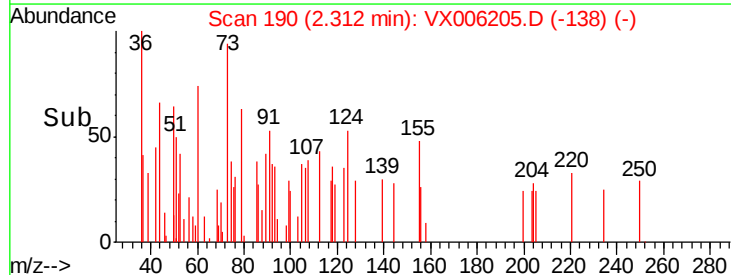
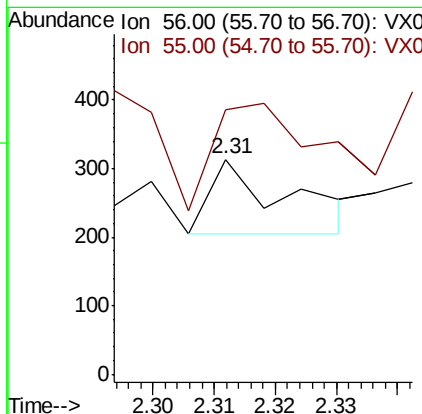
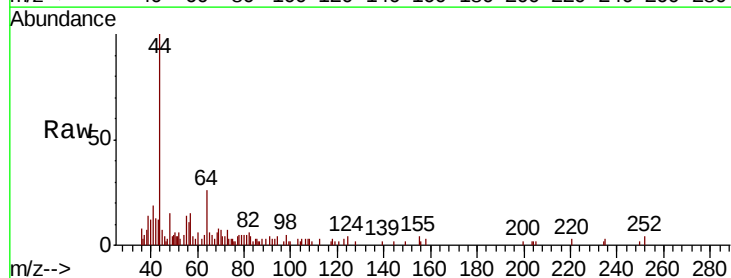
Tot Ion: 59 Resp: 802
 Ion Ratio Lower Upper
 59 100
 57 29.4 8.7 13.1#

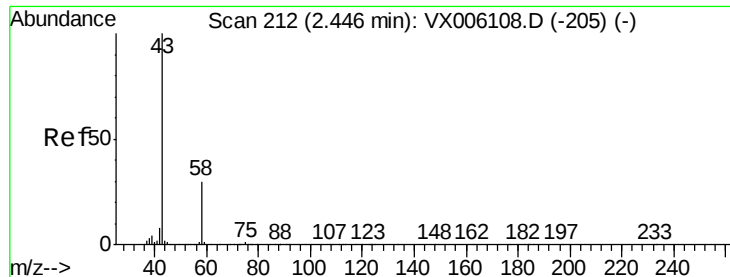


#13

Acrolein
 Concen: 0.239 ug/l
 RT: 2.31 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VX006205.D
 Acq: 27 Nov 2018 05:24

Tgt Ion: 56 Resp: 95
 Ion Ratio Lower Upper
 56 100
 55 212.6 57.8 86.6#





#16

Acetone

Concen: 16.086 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

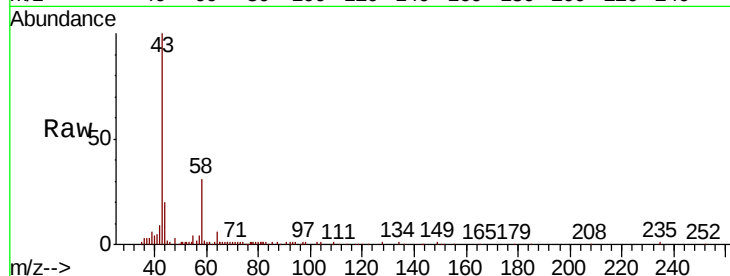
DTW-02

Tot Ion: 43 Resp: 22262

Ion Ratio Lower Upper

43 100

58 30.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

15000

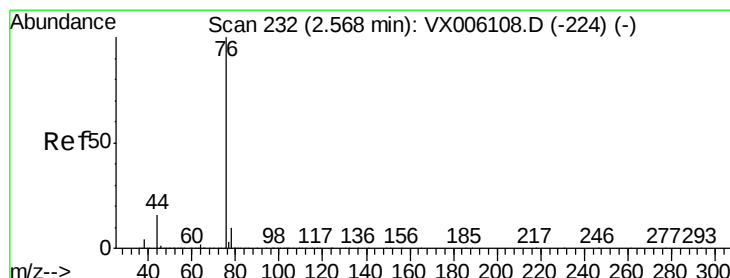
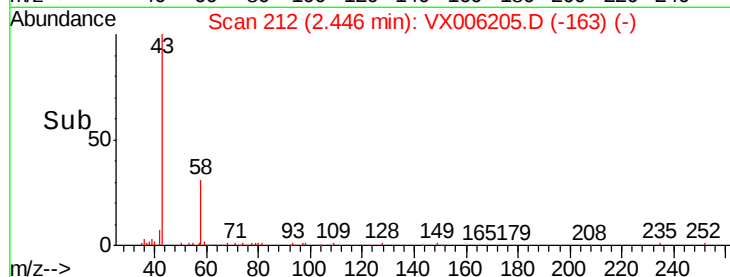
10000

5000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#17

Carbon Disulfide

Concen: 0.430 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006205.D

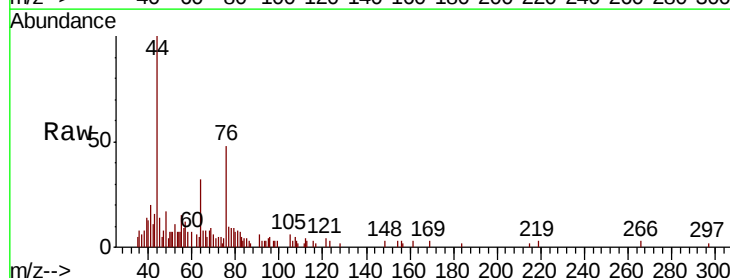
Acq: 27 Nov 2018 05:24

Tgt Ion: 76 Resp: 2254

Ion Ratio Lower Upper

76 100

78 12.6 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

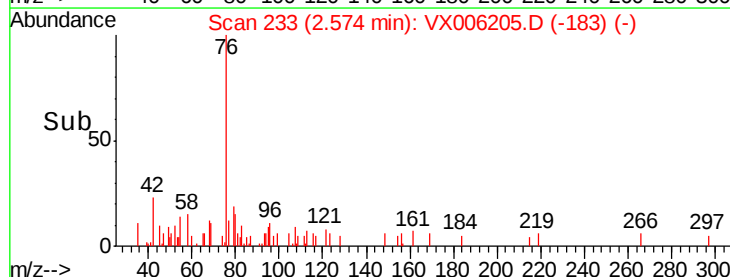
1000

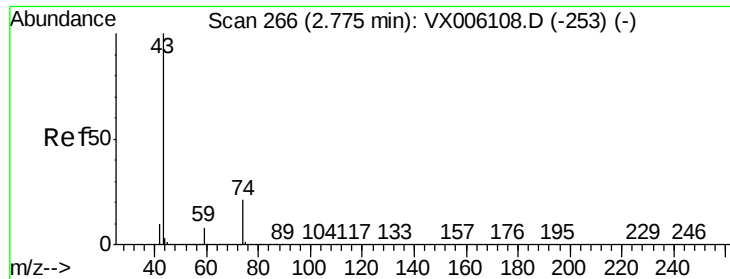
500

0

2.50 2.55 2.60 2.65

Time-->

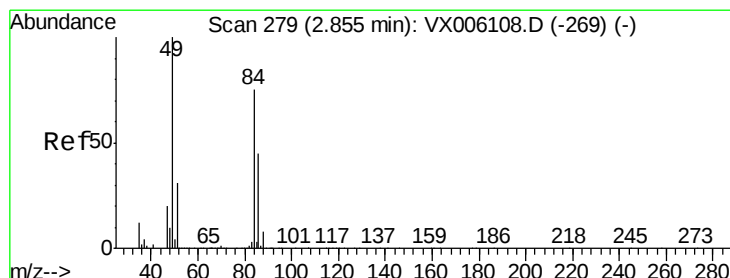
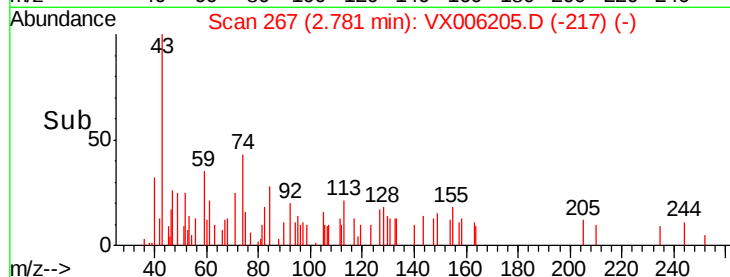
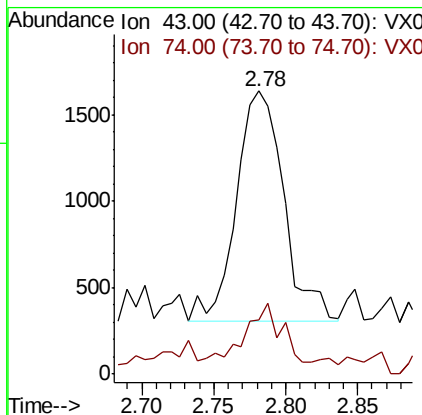
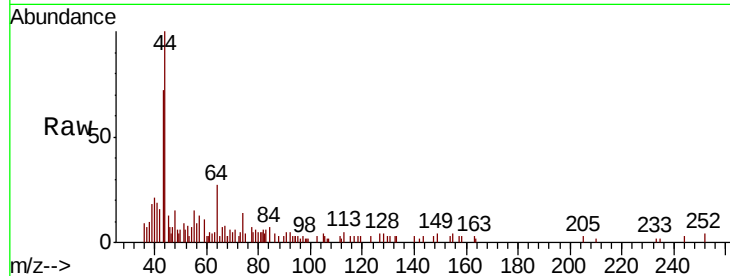




#18
Methyl Acetate
Concen: 0.851 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006205.D
Acq: 27 Nov 2018 05:24

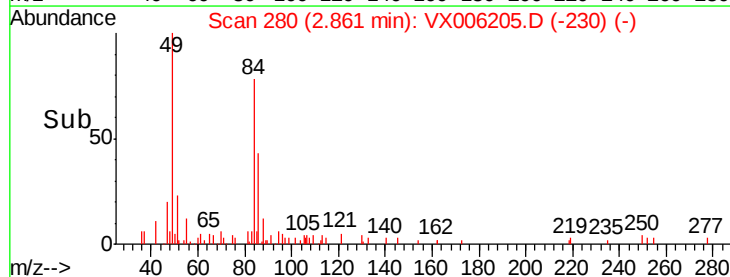
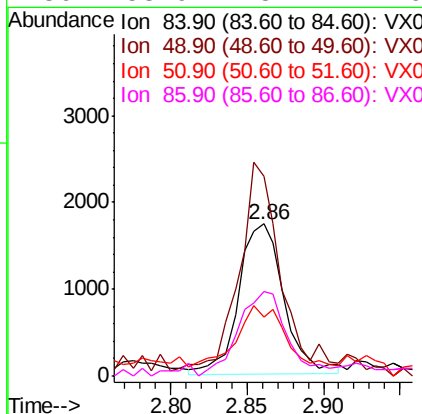
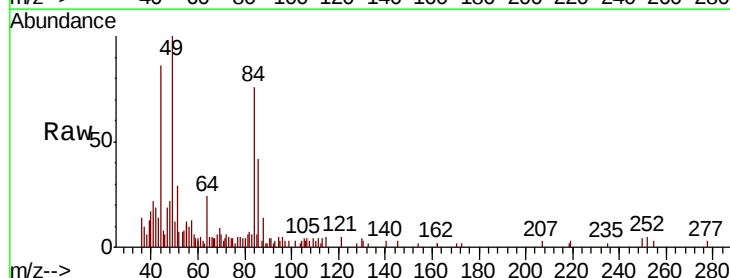
Instrument :
MSVOA_X
ClientSampled :
DTW-02

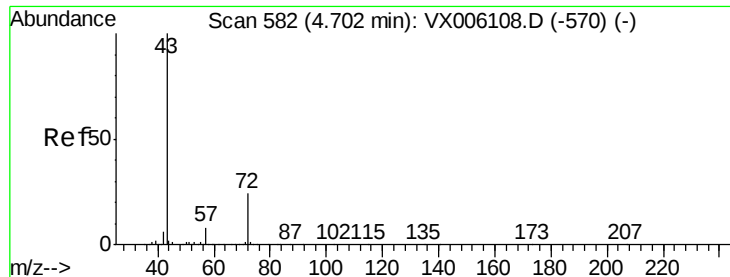
Tot Ion: 43 Resp: 3021
Ion Ratio Lower Upper
43 100
74 19.8 17.3 25.9



#20
Methylene Chloride
Concen: 1.368 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006205.D
Acq: 27 Nov 2018 05:24

Tgt Ion: 84 Resp: 3574
Ion Ratio Lower Upper
84 100
49 134.3 106.6 159.8
51 35.0 32.6 49.0
86 53.9 48.4 72.6





#25

2-Butanone

Concen: 0.395 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA_X

ClientSampled :

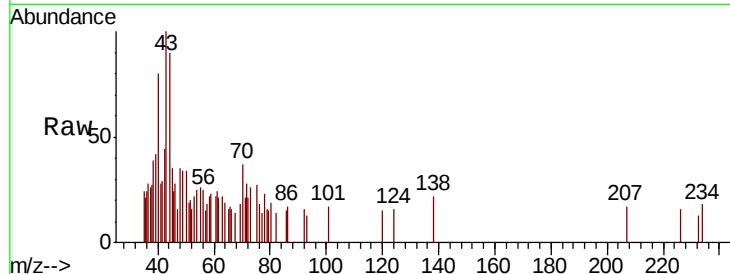
DTW-02

Tot Ion: 43 Resp: 1014

Ion Ratio Lower Upper

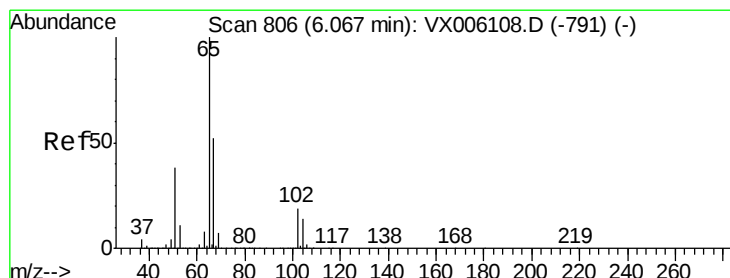
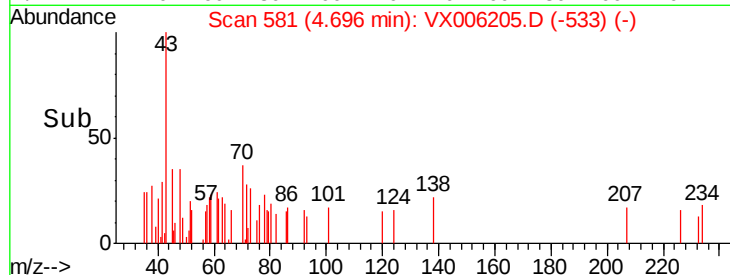
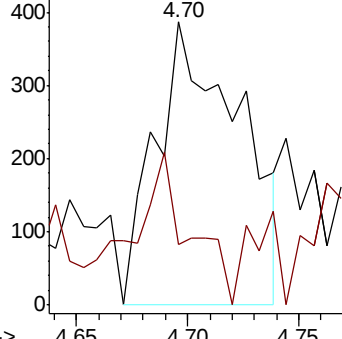
43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 56.149 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006205.D

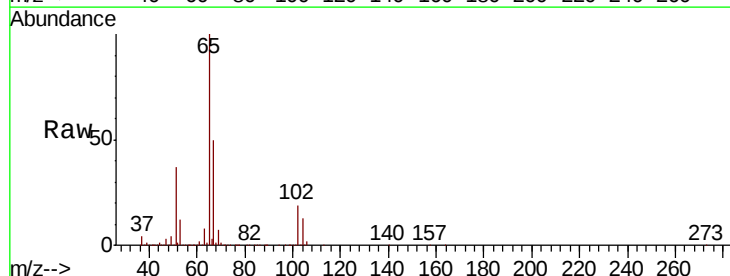
Acq: 27 Nov 2018 05:24

Tgt Ion: 65 Resp: 175115

Ion Ratio Lower Upper

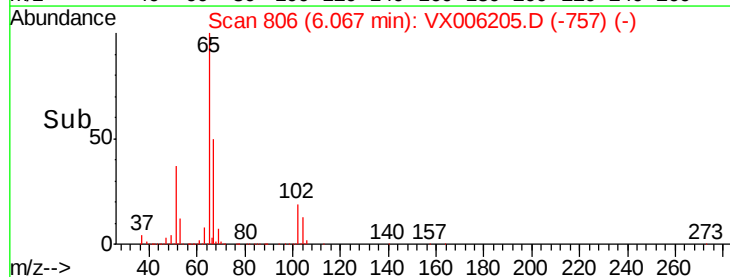
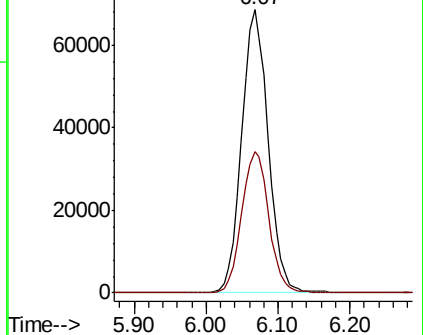
65 100

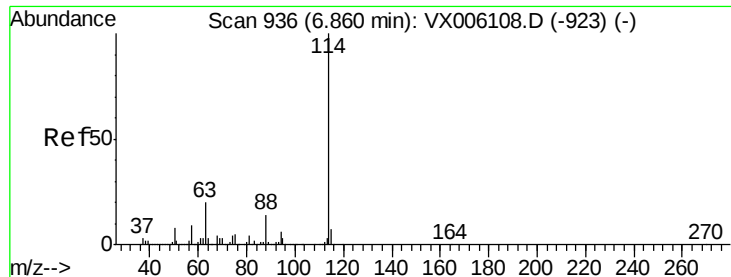
67 51.4 0.0 105.8



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

DTW-02

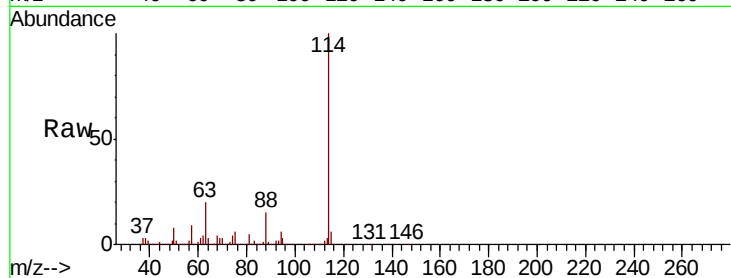
Tot Ion:114 Resp: 399220

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

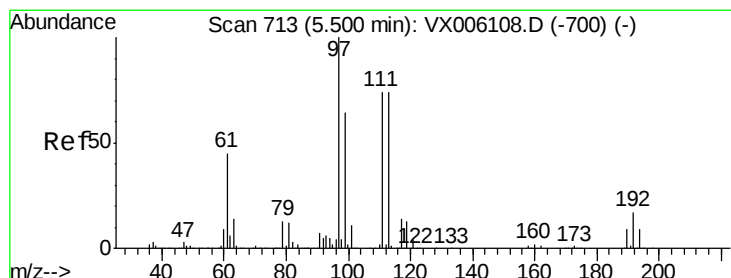
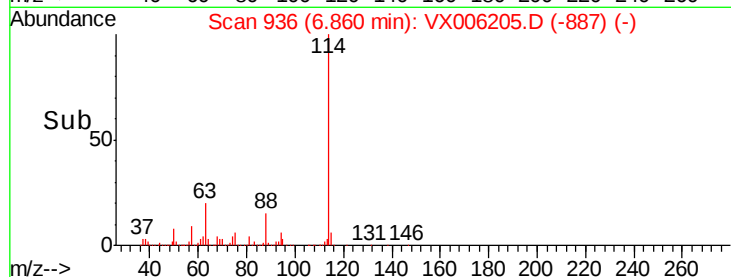
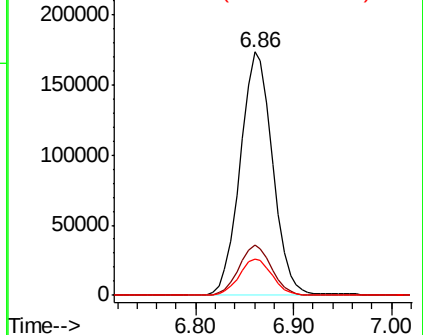
88 14.7 0.0 28.6



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: 54.203 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

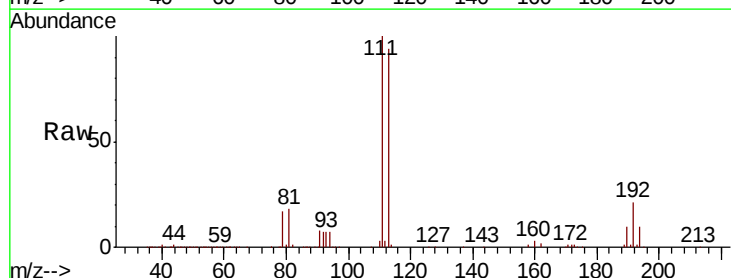
Tgt Ion:113 Resp: 138903

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

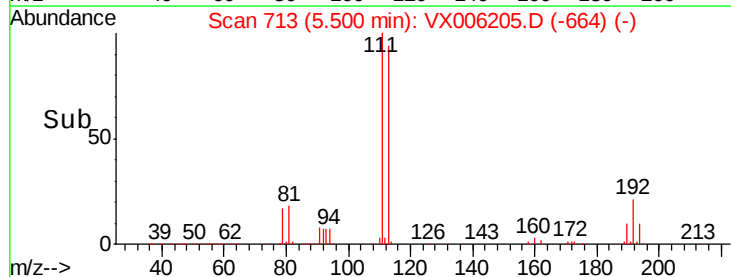
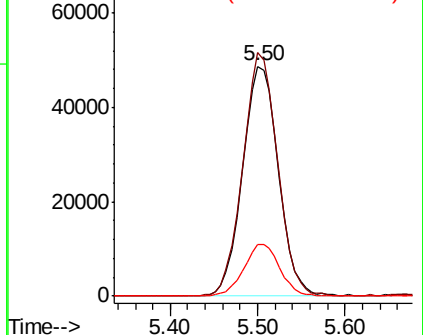
192 22.7 18.6 28.0

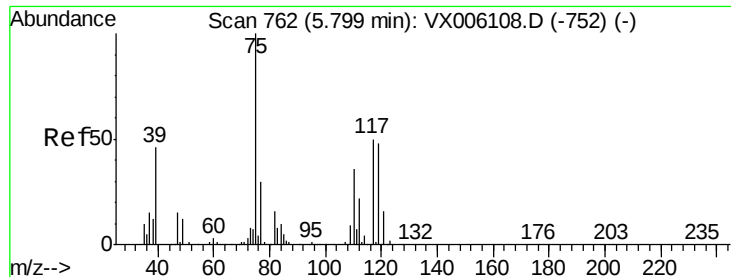


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.270 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

DTW-02

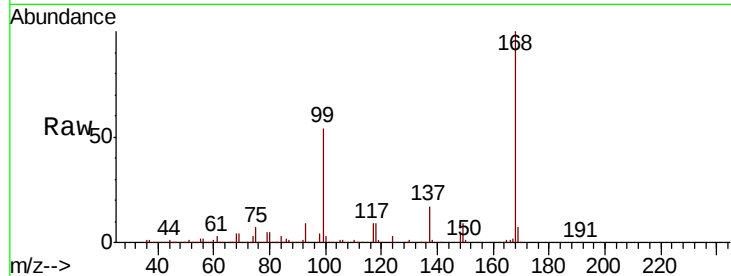
Tot Ion: 75 Resp: 19142

Ion Ratio Lower Upper

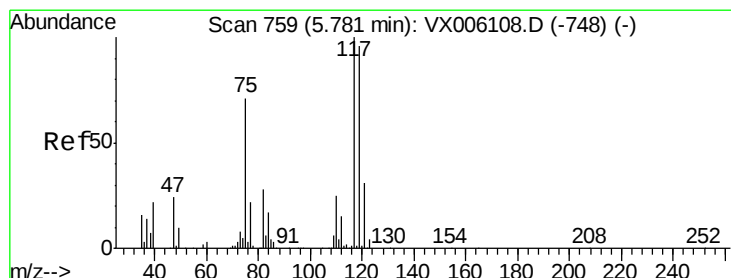
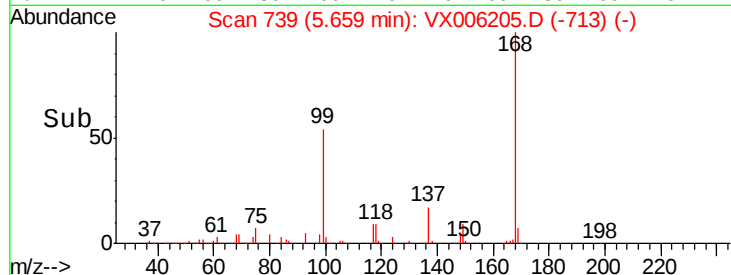
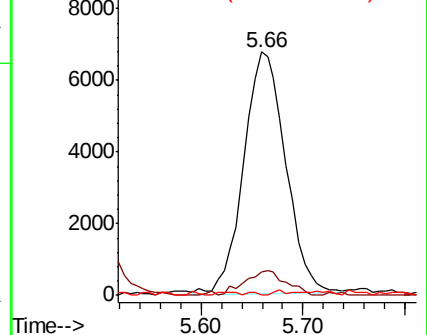
75 100

110 9.9 17.8 53.3#

77 0.3 24.5 36.7#



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: 7.408 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

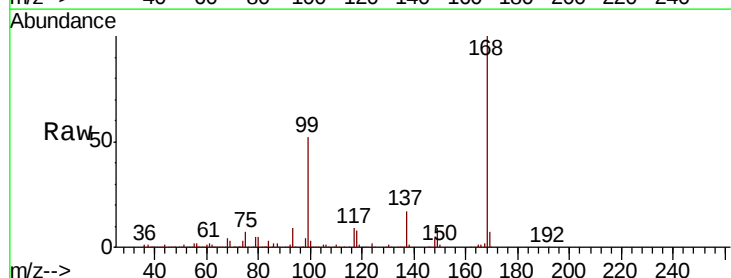
Tgt Ion: 117 Resp: 25288

Ion Ratio Lower Upper

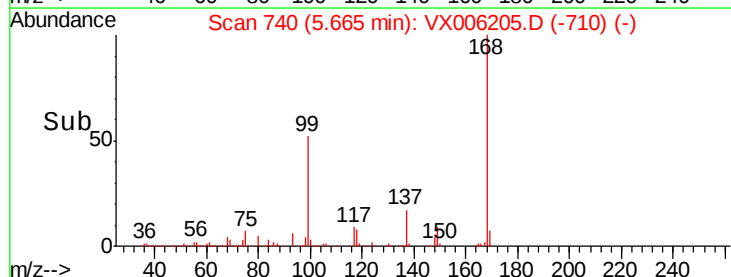
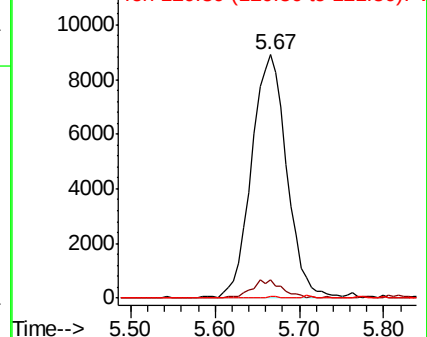
117 100

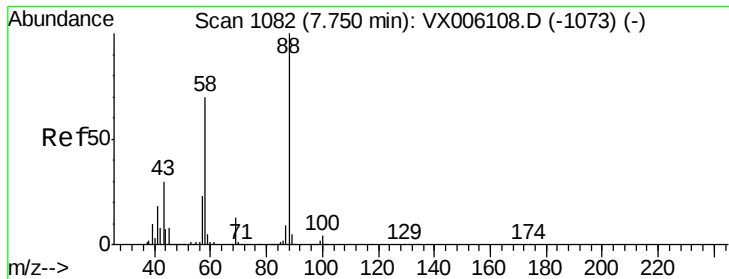
119 7.5 76.3 114.5#

121 0.8 24.7 37.1#



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

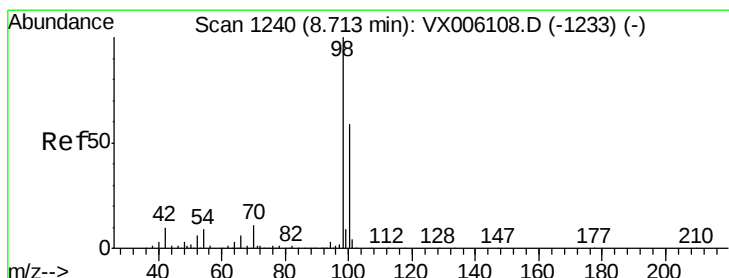
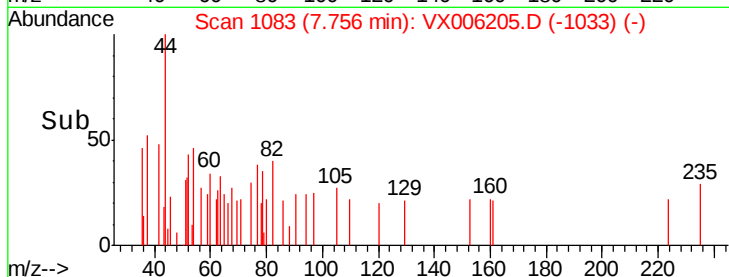
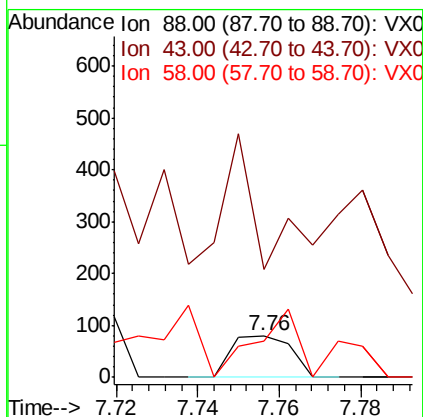
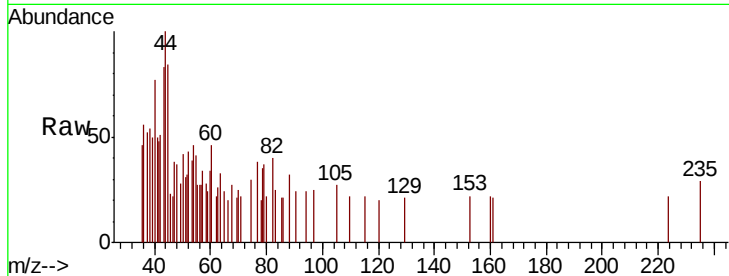




#49
1,4-Dioxane
Concen: 1.010 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006205.D
Acq: 27 Nov 2018 05:24

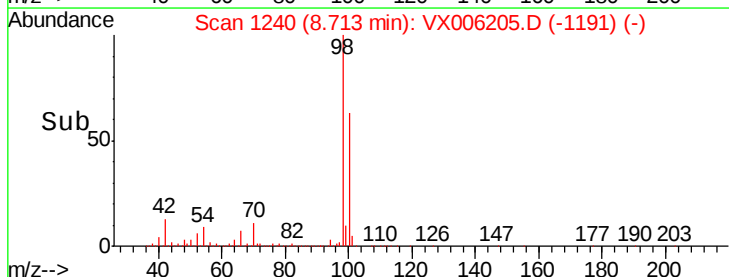
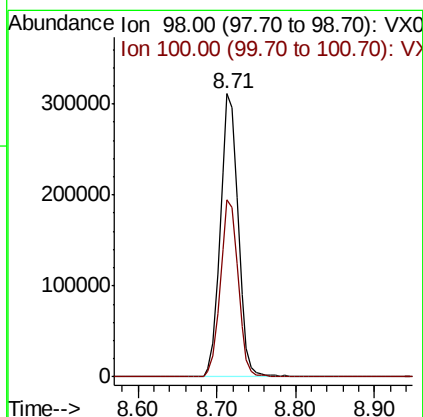
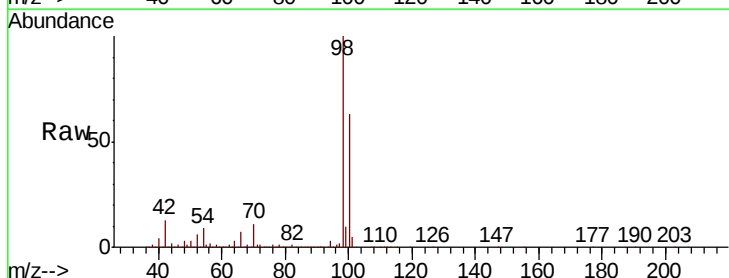
Instrument :
MSVOA_X
ClientSampleId :
DTW-02

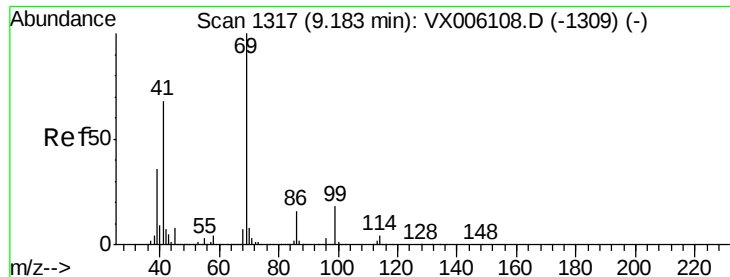
Tot Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 320.7 26.7 40.1#
58 174.4 58.5 87.7#



#50
Toluene-d8
Concen: 50.238 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006205.D
Acq: 27 Nov 2018 05:24

Tgt Ion: 98 Resp: 491044
Ion Ratio Lower Upper
98 100
100 62.3 51.0 76.4





#56

Ethyl methacrylate

Concen: 2.903 ug/l

RT: 9.20 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA_X

ClientSampled :

DTW-02

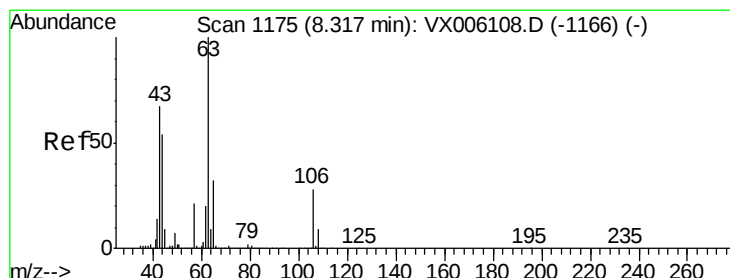
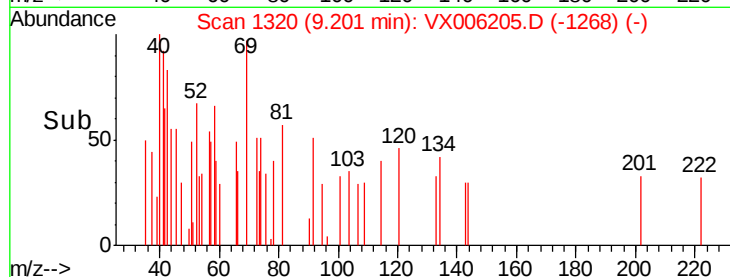
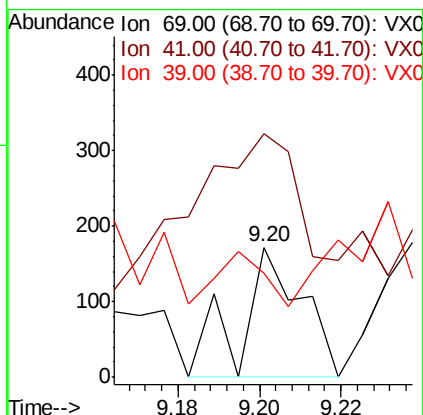
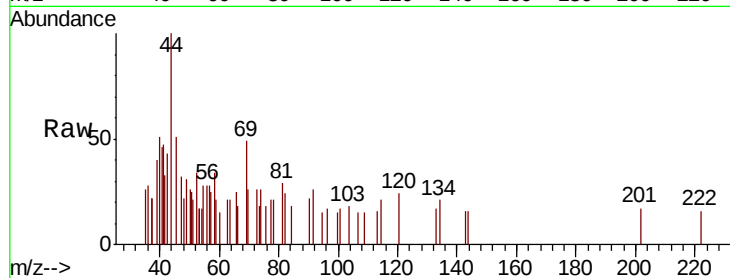
Tot Ion: 69 Resp: 180

Ion Ratio Lower Upper

69 100

41 306.7 56.2 84.4#

39 0.0 29.4 44.0#



#58

2-Chloroethyl Vinyl ether

Concen: 6.782 ug/l

RT: 8.51 min Scan# 1206

Delta R.T. 0.19 min

Lab File: VX006205.D

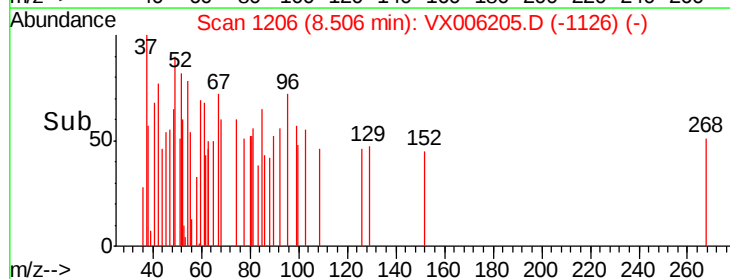
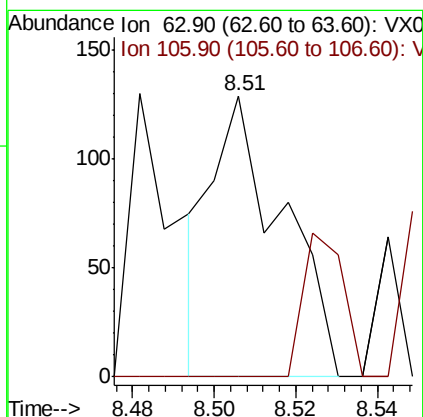
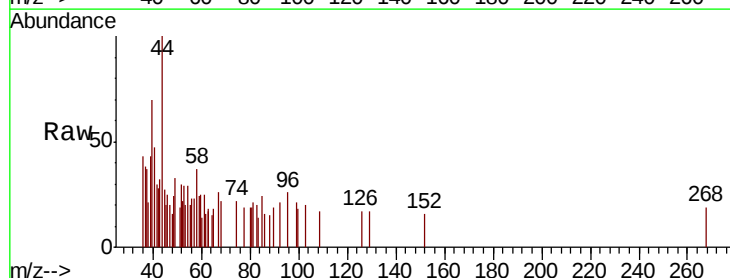
Acq: 27 Nov 2018 05:24

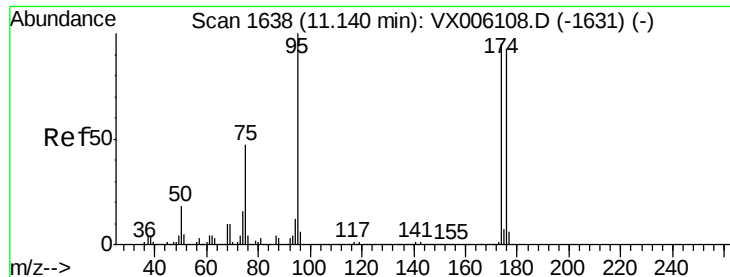
Tgt Ion: 63 Resp: 154

Ion Ratio Lower Upper

63 100

106 29.2 21.7 32.5





#62

4-Bromofluorobenzene

Concen: 45.532 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

DTW-02

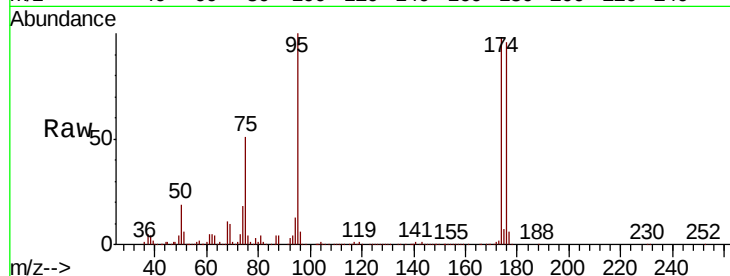
Tot Ion: 95 Resp: 166984

Ion Ratio Lower Upper

95 100

174 94.3 0.0 184.4

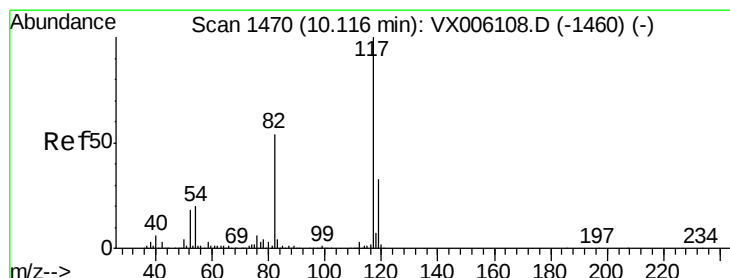
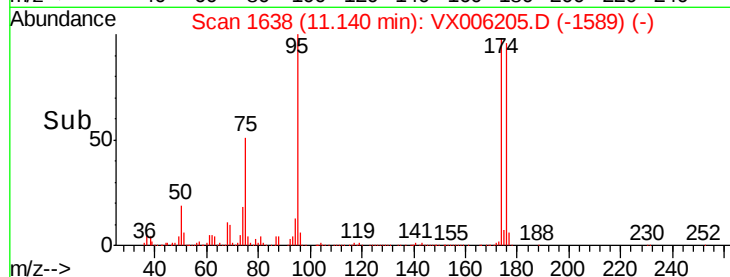
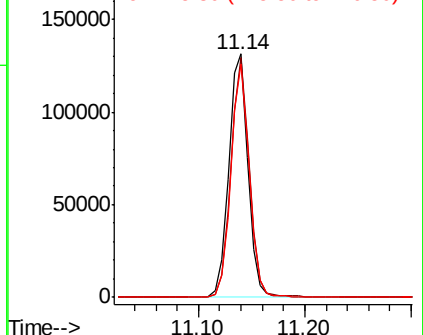
176 91.4 0.0 179.0



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. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

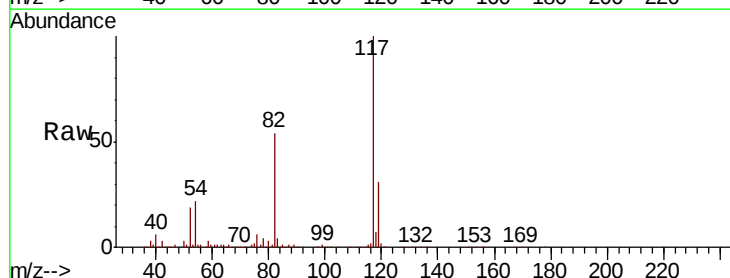
Tgt Ion: 117 Resp: 375192

Ion Ratio Lower Upper

117 100

82 54.4 43.0 64.4

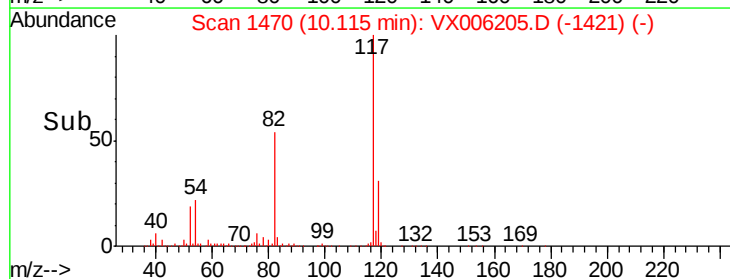
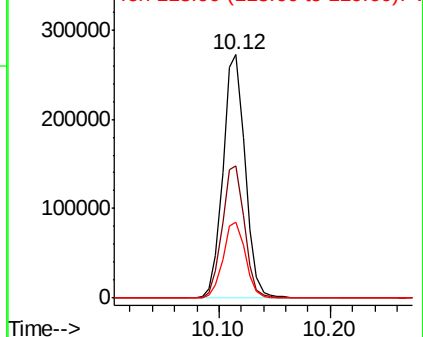
119 31.4 26.1 39.1

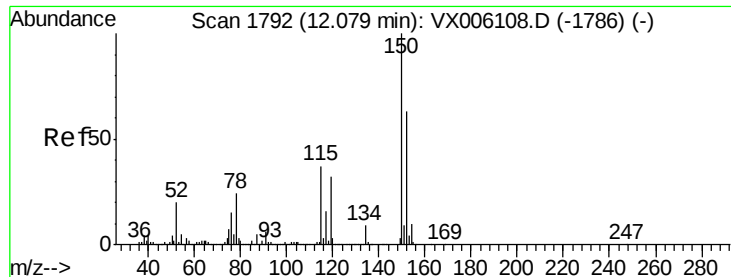


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

DTW-02

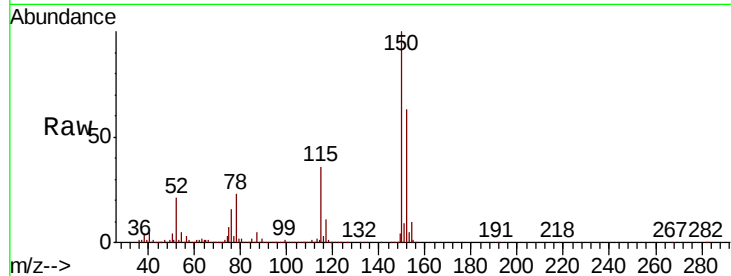
Tot Ion:152 Resp: 188907

Ion Ratio Lower Upper

152 100

115 55.4 39.0 116.9

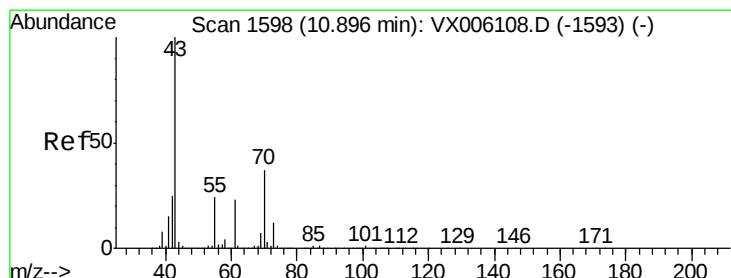
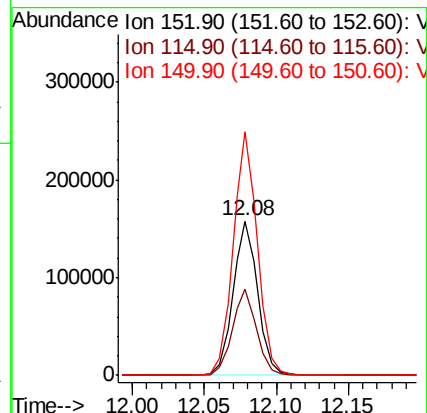
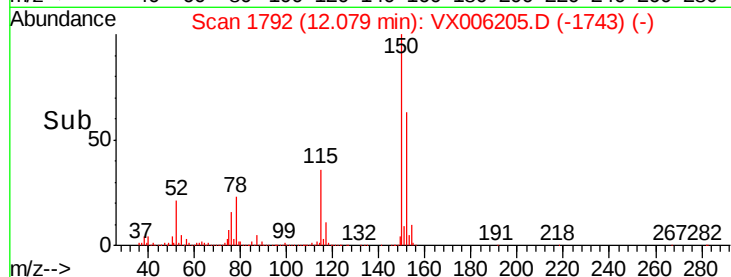
150 155.2 0.0 346.6



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



#74

N-ethyl acetate

Concen: 2.226 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Tgt Ion: 43 Resp: 207

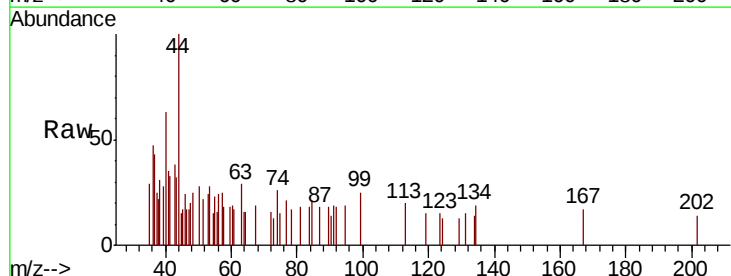
Ion Ratio Lower Upper

43 100

70 0.0 31.8 47.6#

55 102.9 19.5 29.3#

61 0.0 18.6 27.8#

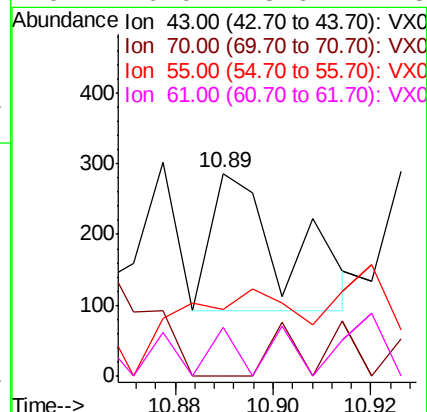
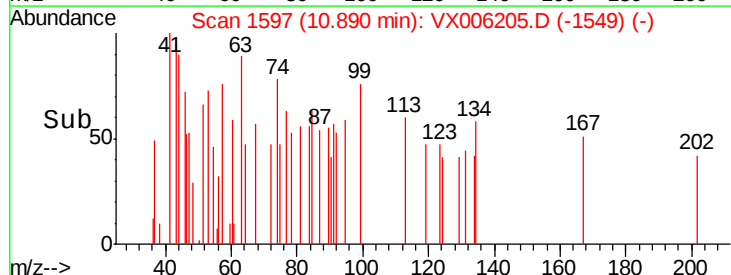


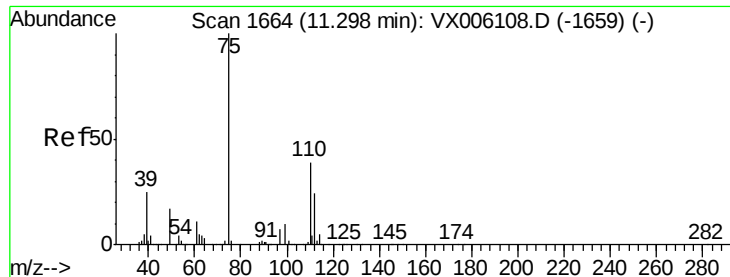
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.603 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

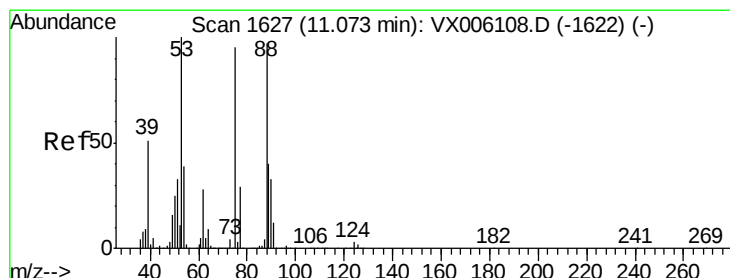
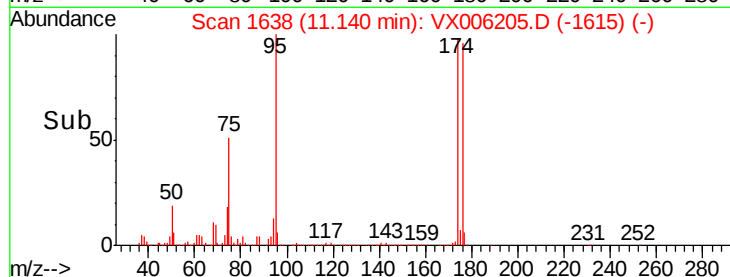
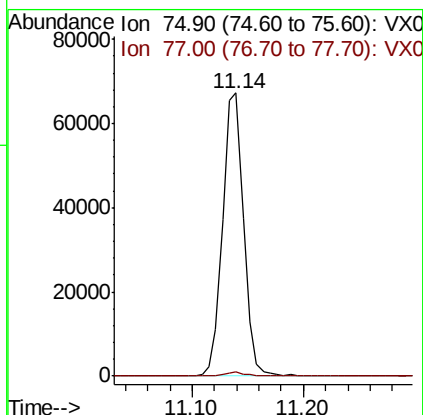
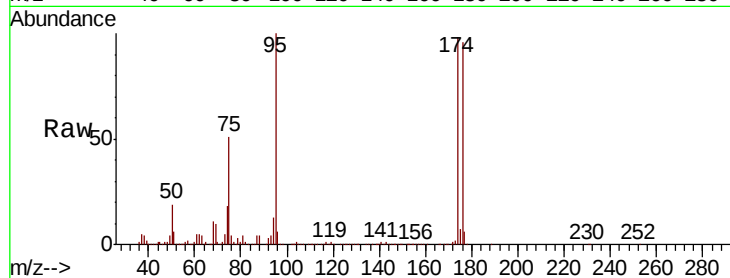
DTW-02

Tot Ion: 75 Resp: 87907

Ion Ratio Lower Upper

75 100

77 1.5 19.6 58.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.448 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

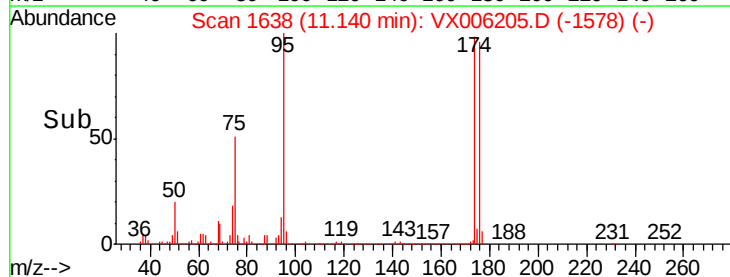
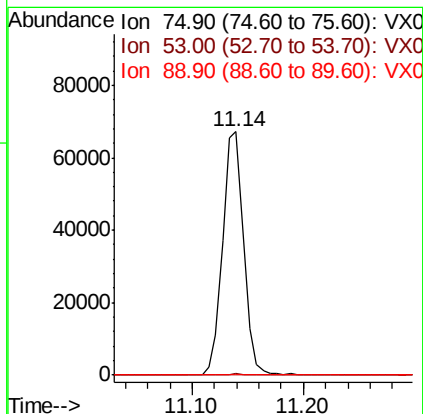
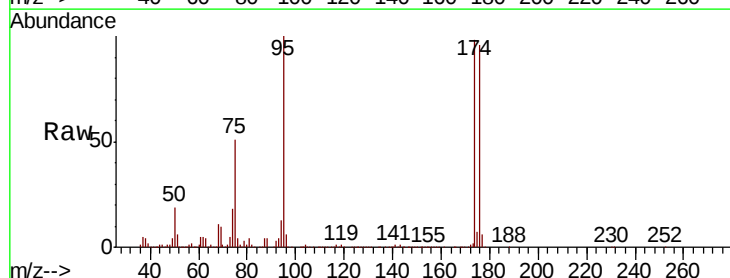
Tgt Ion: 75 Resp: 87907

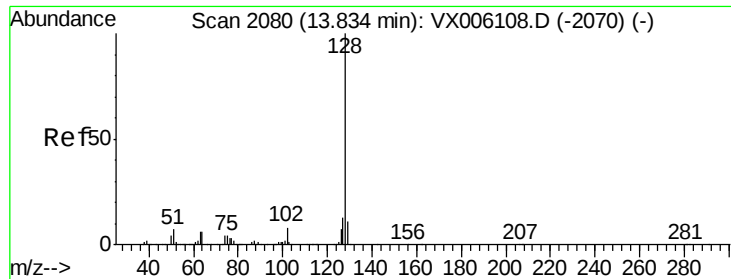
Ion Ratio Lower Upper

75 100

53 0.4 85.3 127.9#

89 0.1 37.2 55.8#

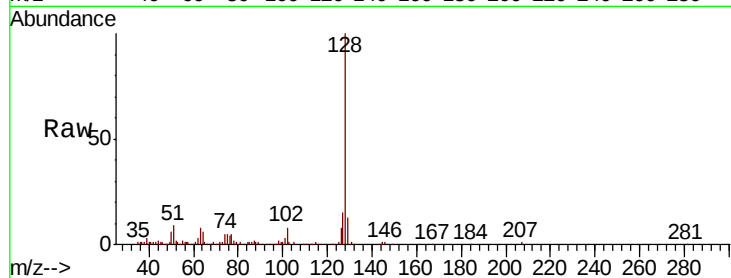




#95
Naphthalene
Concen: 2.096 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006205.D
Acq: 27 Nov 2018 05:24

Instrument :
MSVOA_X
ClientSampleId :
DTW-02

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.6	15.8
129	12.5	8.8	13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

