

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102418\
 Data File : VX005544.D
 Acq On : 24 Oct 2018 16:33
 Operator : JC/MD
 Sample : J5649-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-01

Quant Time: Oct 25 04:54:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 13:13:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	323283	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137376	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	138007	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
35) Dibromofluoromethane	5.50	113	108519	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.71	98	384555	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.14	95	127857	43.04	ug/l	0.00
Spiked Amount			Recovery	=	86.08%	

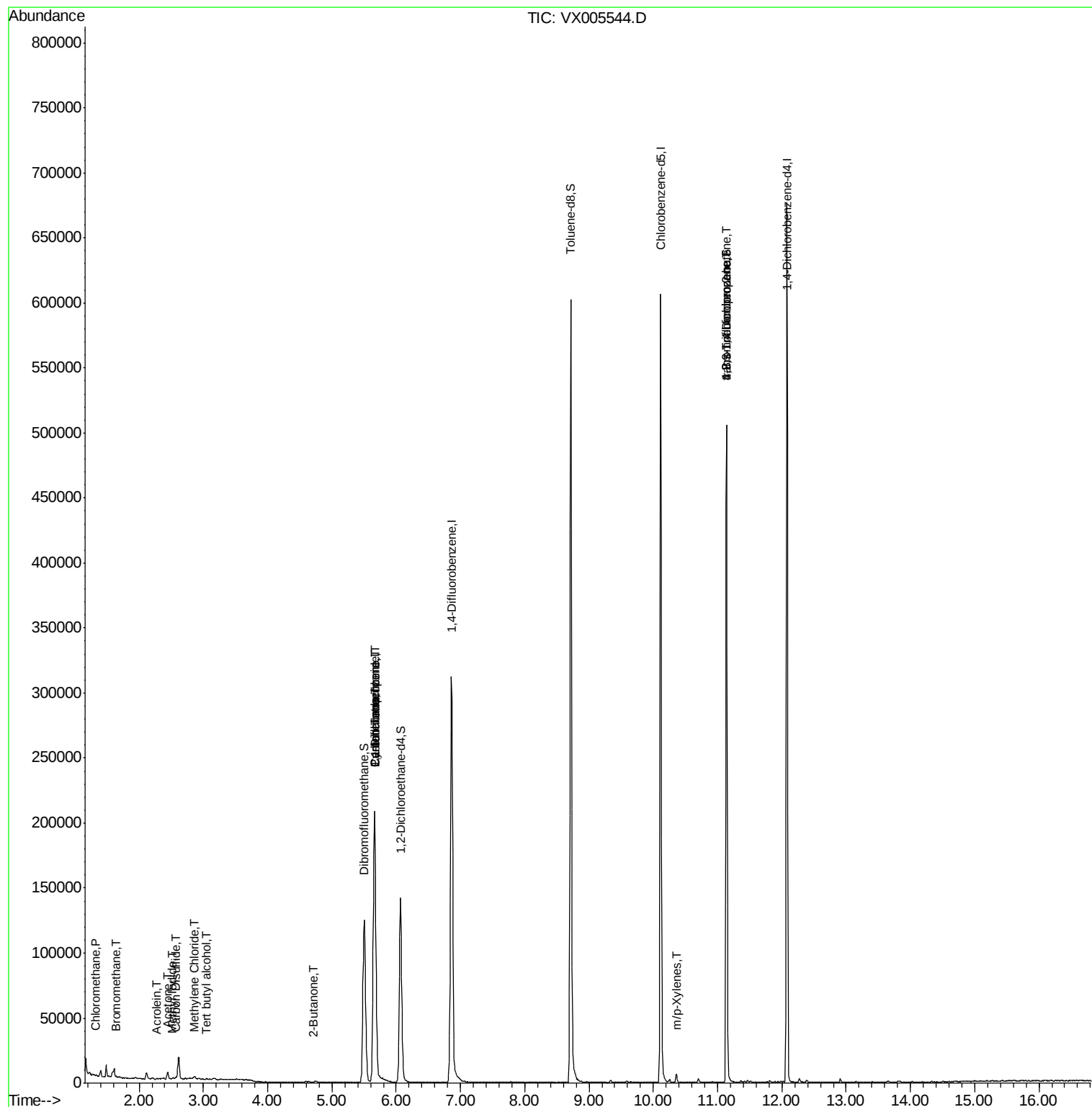
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	611	0.227	ug/l	92
5) Bromomethane	1.65	94	571	0.347	ug/l	82
10) Methyl Iodide	2.51	142	291	2.850	ug/l #	70
11) Tert butyl alcohol	3.05	59	305	0.434	ug/l #	81
13) Acrolein	2.28	56	180	0.502	ug/l #	16
16) Acetone	2.45	43	5380	3.894	ug/l	93
17) Carbon Disulfide	2.57	76	1414	0.231	ug/l #	85
18) Methyl Acetate	2.78	43	378	Below Cal	#	74
20) Methylene Chloride	2.86	84	827	0.357	ug/l #	78
25) 2-Butanone	4.71	43	618	0.294	ug/l	96
31) Cyclohexane	5.67	56	4305	1.221	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14956	4.767	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19703	5.963	ug/l #	17
68) m/p-Xylenes	10.36	106	1412	0.361	ug/l	85
76) 1,2,3-Trichloropropane	11.14	75	64400	23.015	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	64400	72.296	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 24 13:13:34 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: VX005544.D

Acq: 24 Oct 2018 16:33

Instrument :

MSVOA_X

ClientSampled :

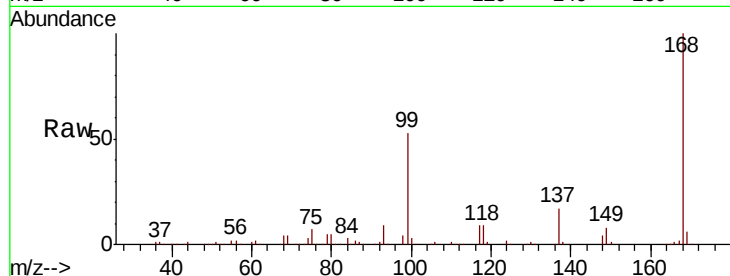
TWP-01

Tot Ion:168 Resp: 214170

Ion Ratio Lower Upper

168 100

99 53.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

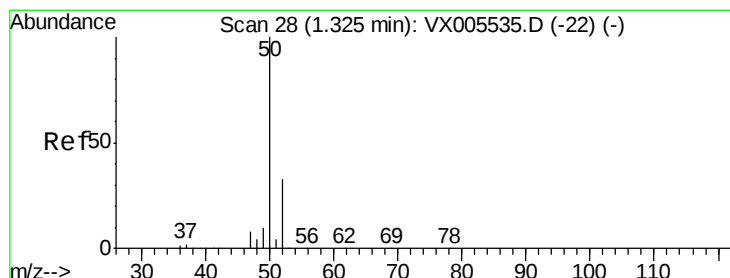
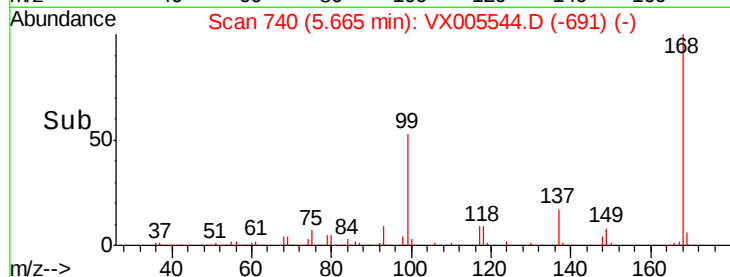
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005544.D

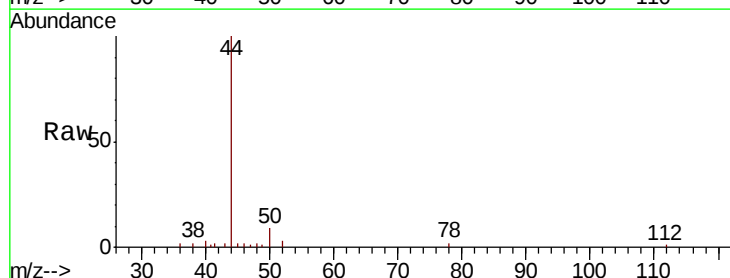
Acq: 24 Oct 2018 16:33

Tgt Ion: 50 Resp: 611

Ion Ratio Lower Upper

50 100

52 37.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

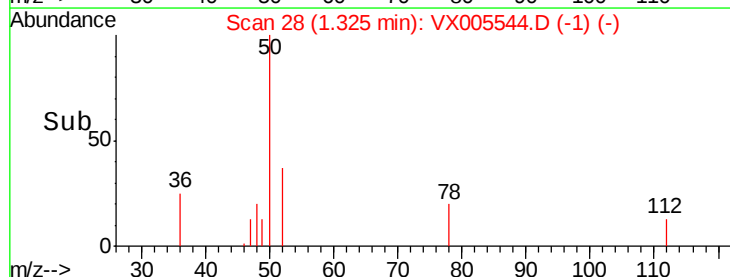
300

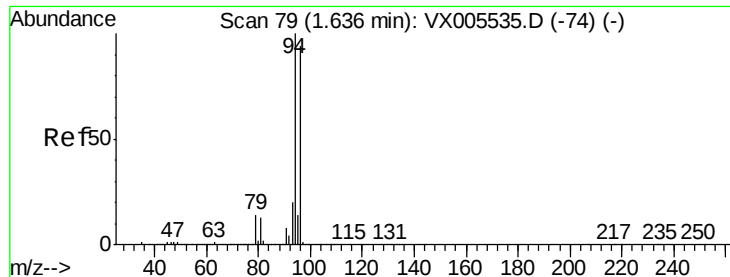
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.347 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

Instrument :

MSVOA_X

ClientSampled :

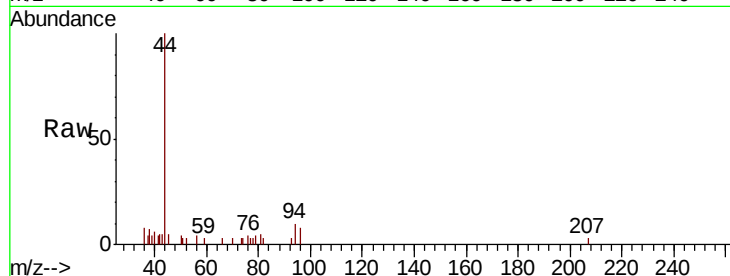
TWP-01

Tot Ion: 94 Resp: 571

Ion Ratio Lower Upper

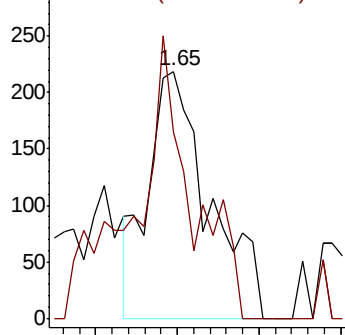
94 100

96 75.3 74.5 111.7

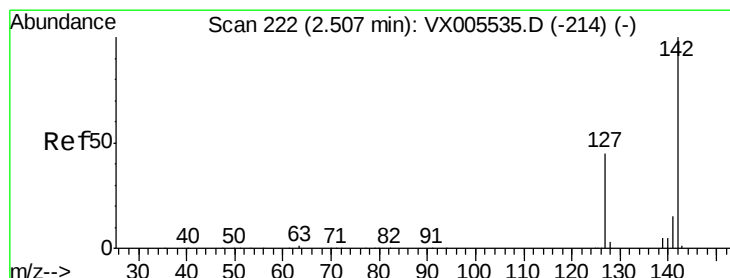
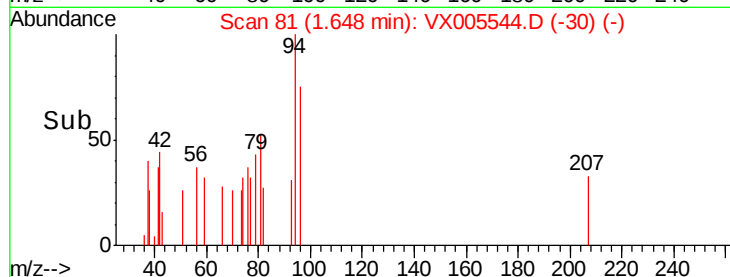


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 2.850 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

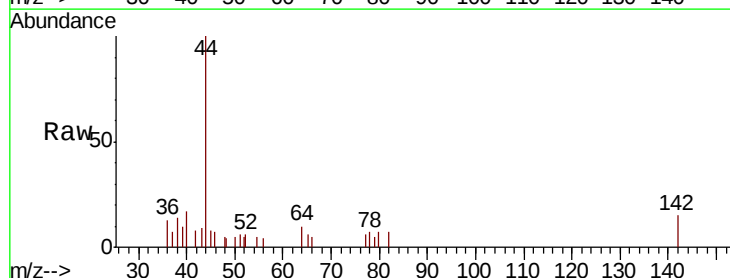
Tgt Ion: 142 Resp: 291

Ion Ratio Lower Upper

142 100

127 24.4 33.8 50.6#

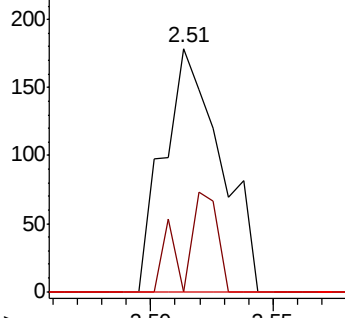
141 0.0 11.4 17.0#



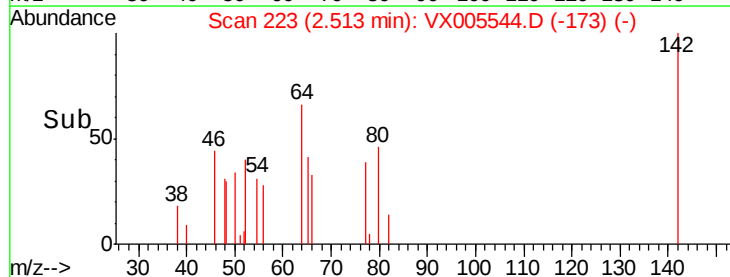
Abundance Ion 141.80 (141.50 to 142.50): V

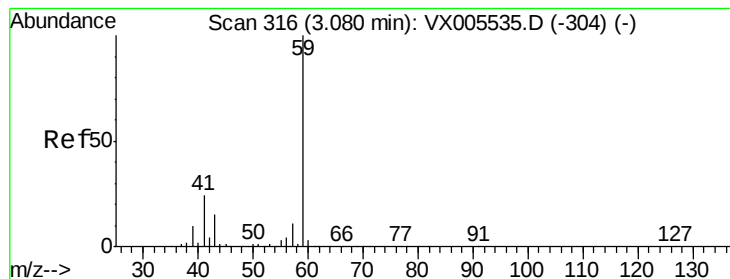
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



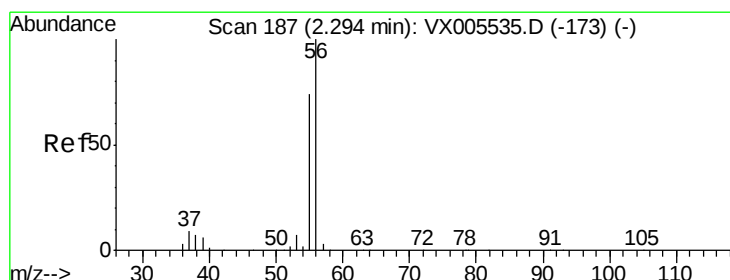
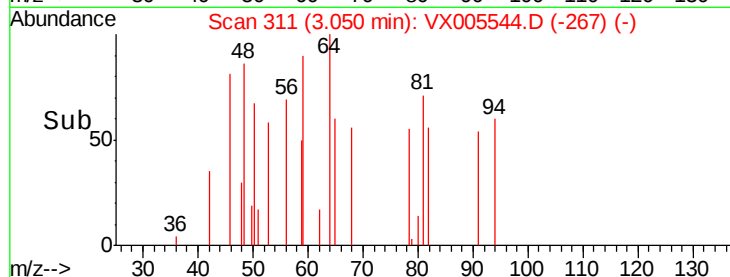
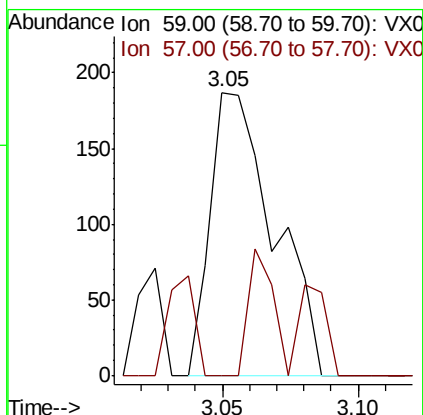
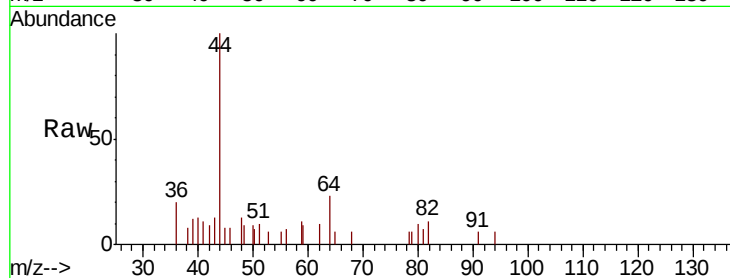


#11

Tert butyl alcohol
Concen: 0.434 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.03 min
Lab File: VX005544.D
Acq: 24 Oct 2018 16:33

Instrument :
MSVOA_X
ClientSampled :
TWP-01

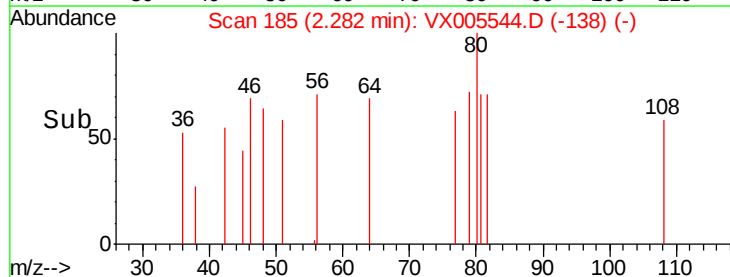
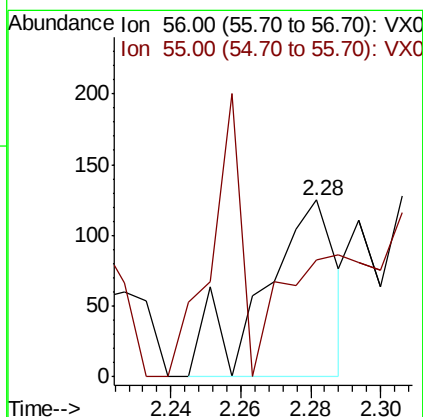
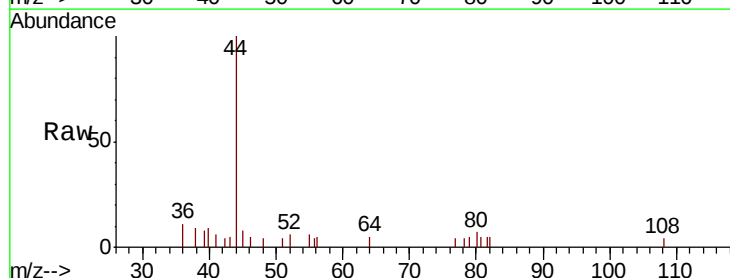
Tot Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 17.4 8.2 12.4#

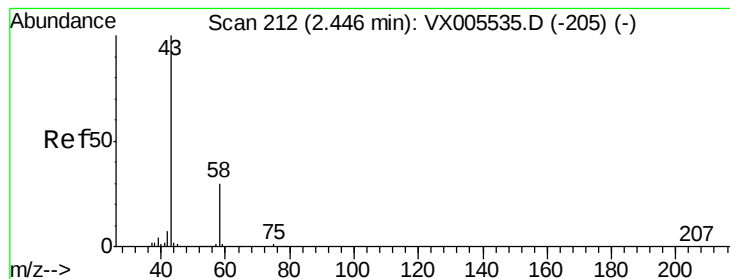


#13

Acrolein
Concen: 0.502 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX005544.D
Acq: 24 Oct 2018 16:33

Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#





#16

Acetone

Concen: 3.894 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

Instrument :

MSVOA_X

ClientSampleId :

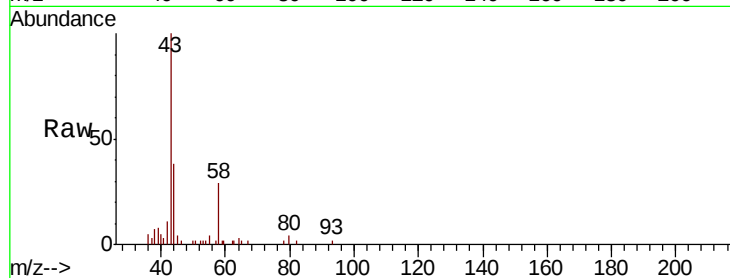
TWP-01

Tot Ion: 43 Resp: 5380

Ion Ratio Lower Upper

43 100

58 29.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

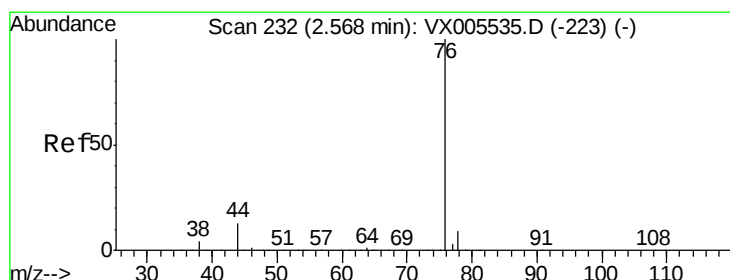
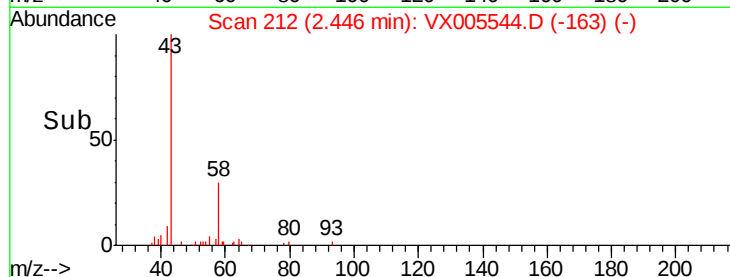
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 0.231 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005544.D

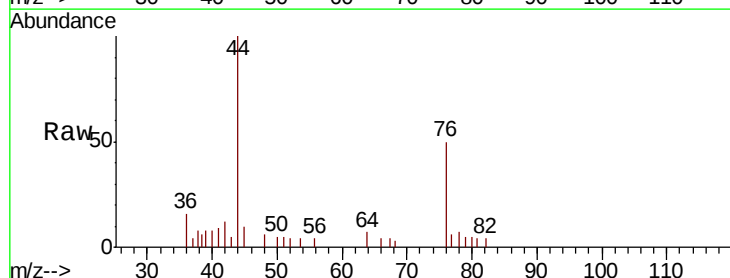
Acq: 24 Oct 2018 16:33

Tgt Ion: 76 Resp: 1414

Ion Ratio Lower Upper

76 100

78 3.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

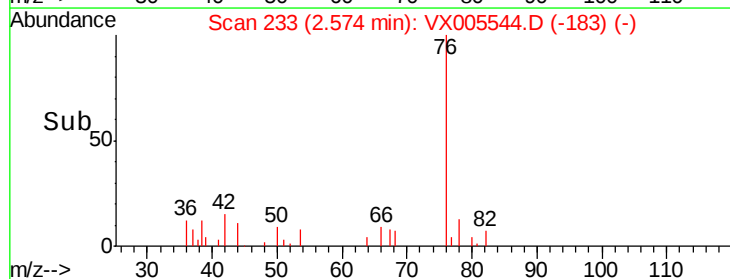
600

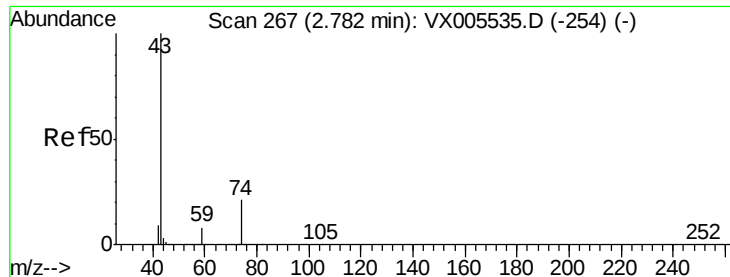
400

200

0

Time--> 2.50 2.55 2.60 2.65

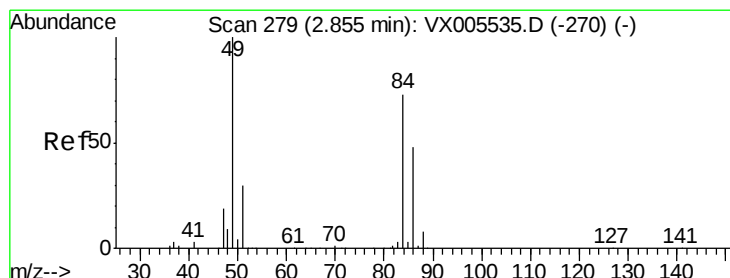
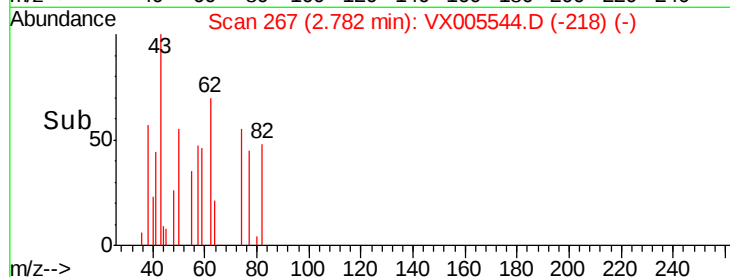
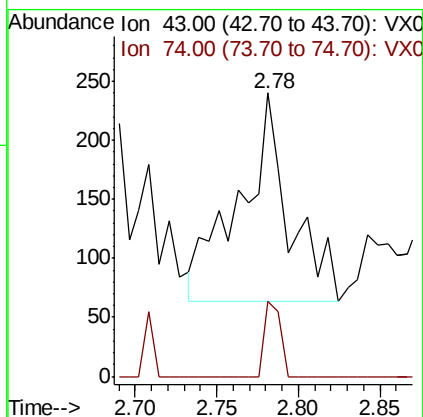
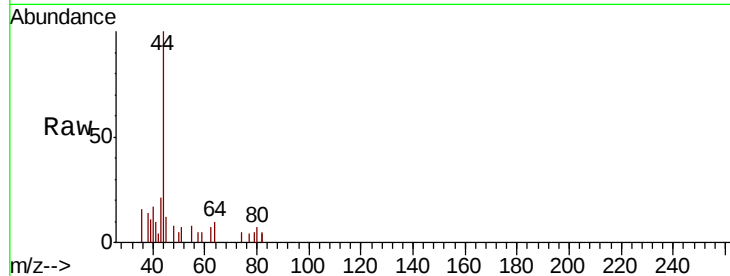




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005544.D
Acq: 24 Oct 2018 16:33

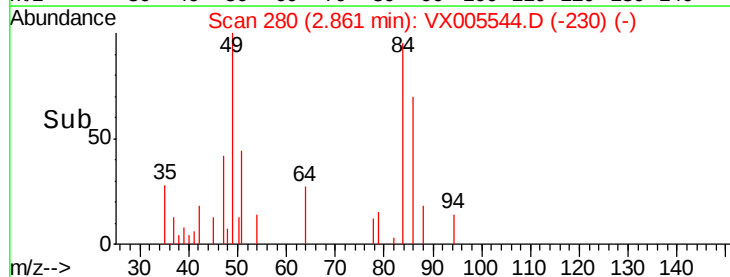
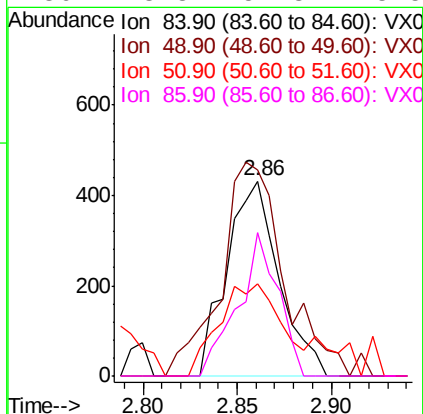
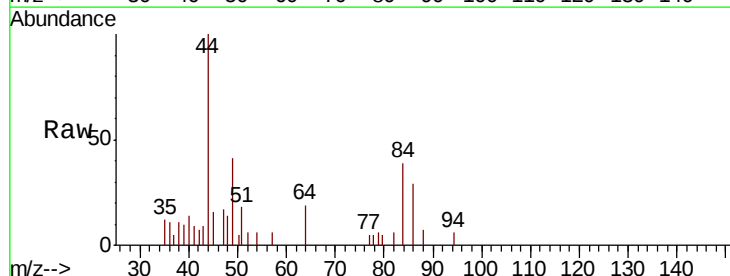
Instrument :
MSVOA_X
ClientSampled :
TWP-01

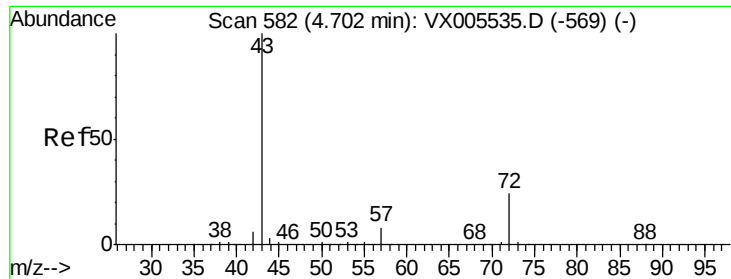
Tot Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
74 11.4 19.4 29.2#



#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005544.D
Acq: 24 Oct 2018 16:33

Tgt Ion: 84 Resp: 827
Ion Ratio Lower Upper
84 100
49 93.8 101.2 151.8#
51 47.0 29.5 44.3#
86 73.8 52.3 78.5





#25

2-Butanone

Concen: 0.294 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

Instrument :

MSVOA_X

ClientSampleId :

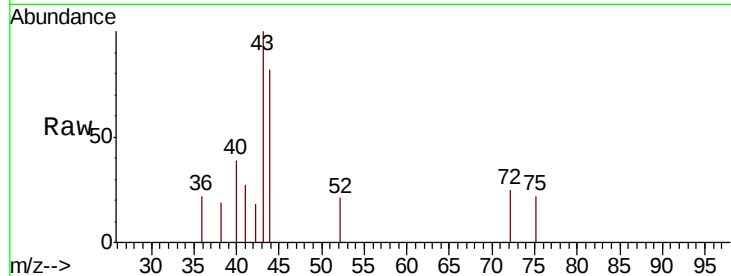
TWP-01

Tot Ion: 43 Resp: 618

Ion Ratio Lower Upper

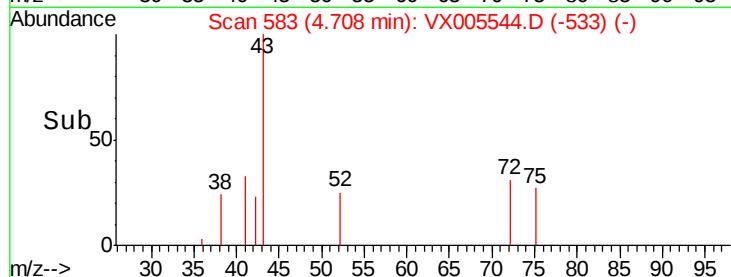
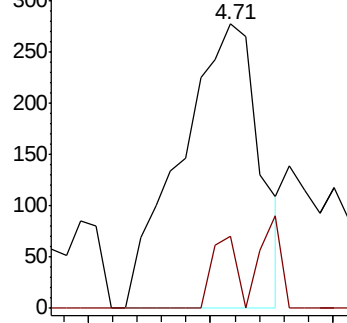
43 100

72 25.3 22.0 33.0

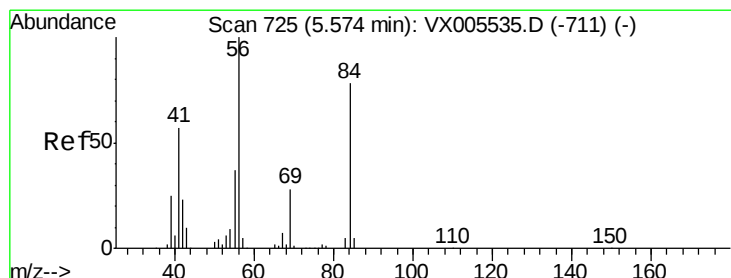


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

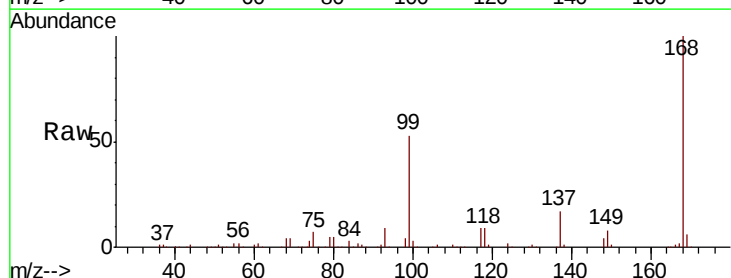
Tgt Ion: 56 Resp: 4305

Ion Ratio Lower Upper

56 100

69 185.8 25.4 38.2#

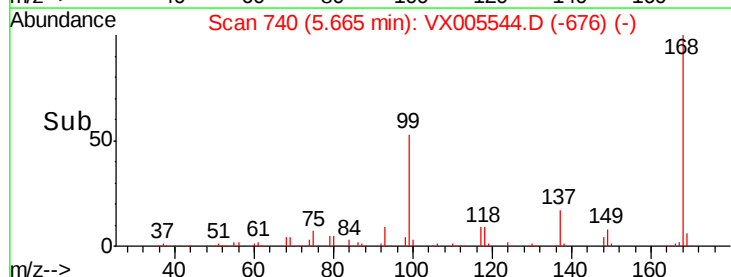
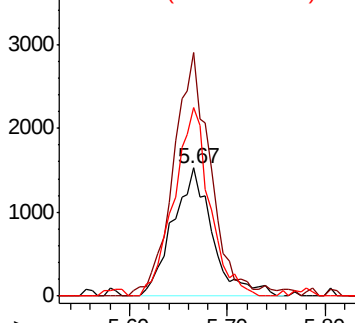
84 147.5 71.4 107.2#



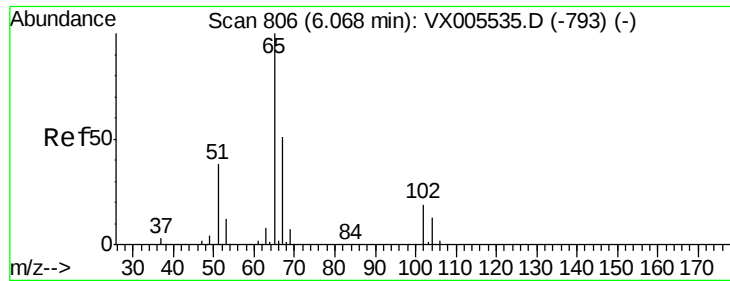
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.788 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

Instrument :

MSVOA_X

ClientSampleId :

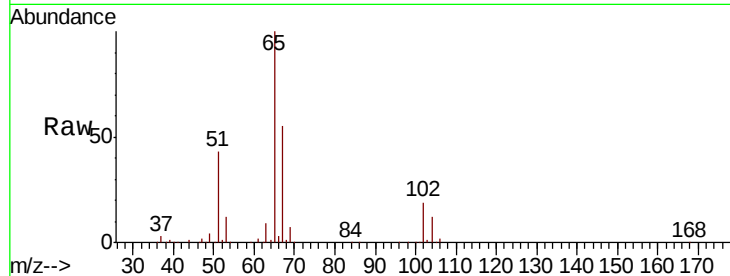
TWP-01

Tot Ion: 65 Resp: 138007

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

50000

40000

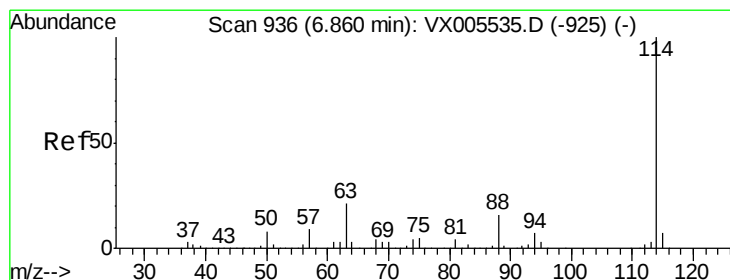
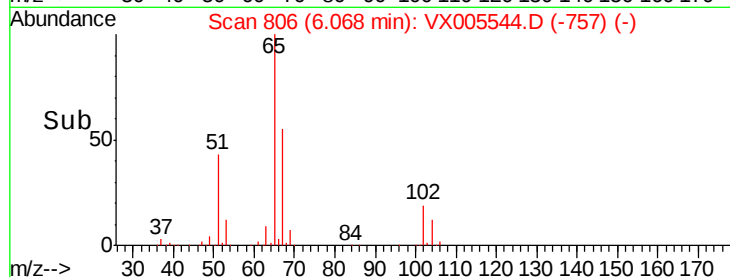
30000

20000

10000

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: VX005544.D

Acq: 24 Oct 2018 16:33

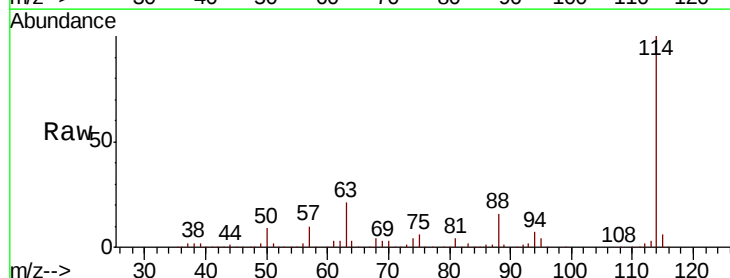
Tgt Ion: 114 Resp: 323283

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

88 15.9 0.0 30.4



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

6.86

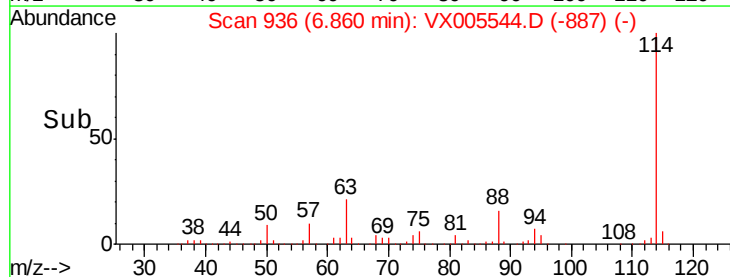
150000

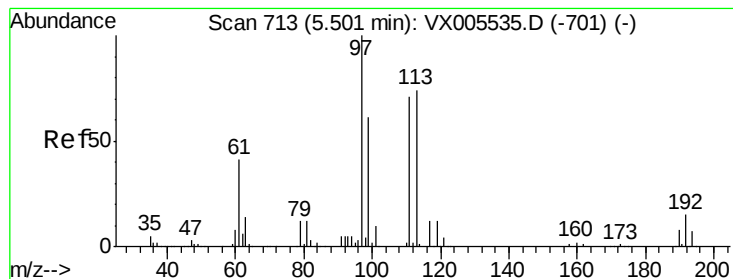
100000

50000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 49.575 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

Instrument :

MSVOA_X

ClientSampleId :

TWP-01

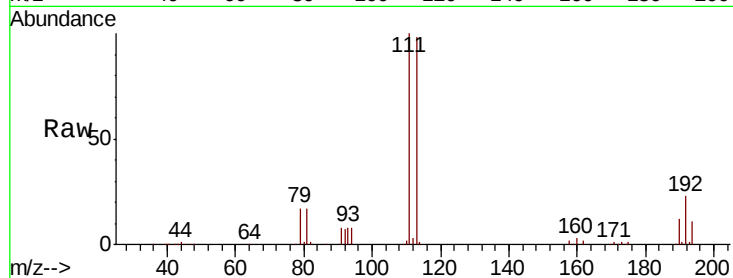
Tot Ion:113 Resp: 108519

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

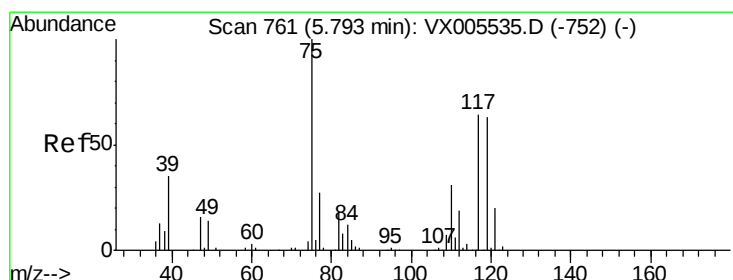
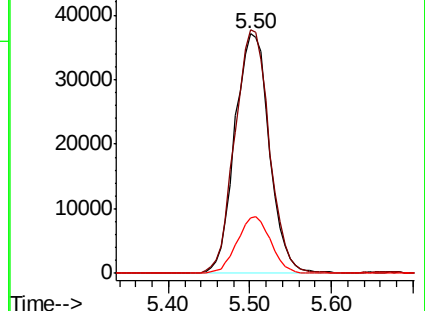
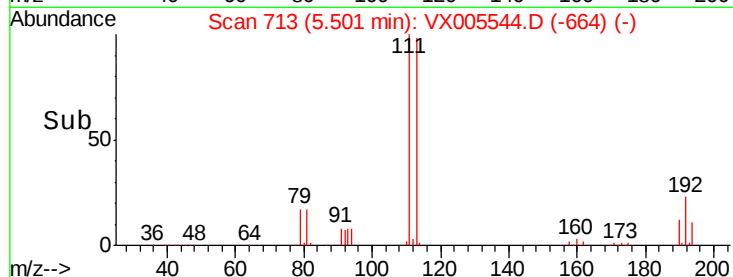
192 23.3 19.4 29.2



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: 4.767 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

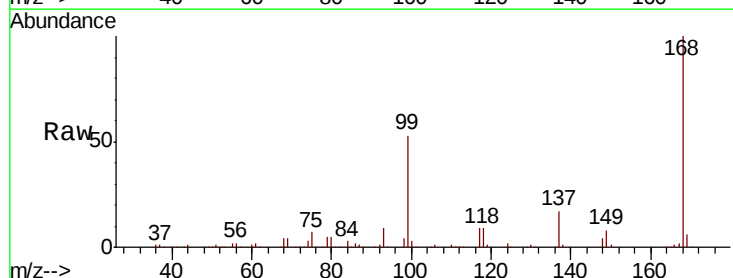
Tgt Ion: 75 Resp: 14956

Ion Ratio Lower Upper

75 100

110 8.5 18.0 54.0#

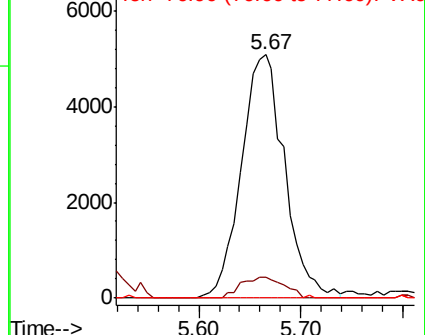
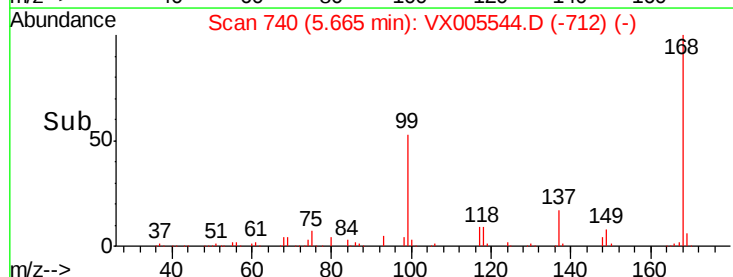
77 0.0 24.6 36.8#

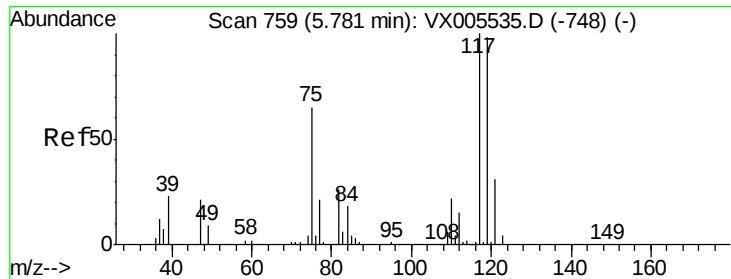


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.963 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

Instrument :

MSVOA_X

ClientSampleId :

TWP-01

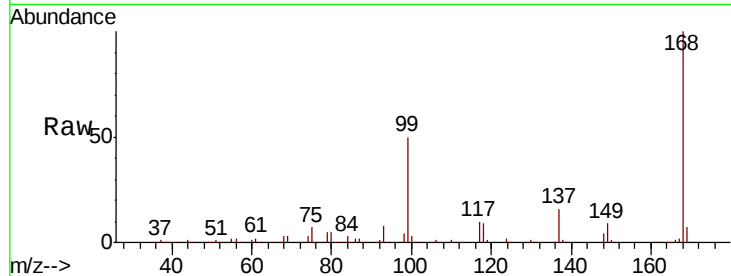
Tot Ion:117 Resp: 19703

Ion Ratio Lower Upper

117 100

119 7.4 78.8 118.2#

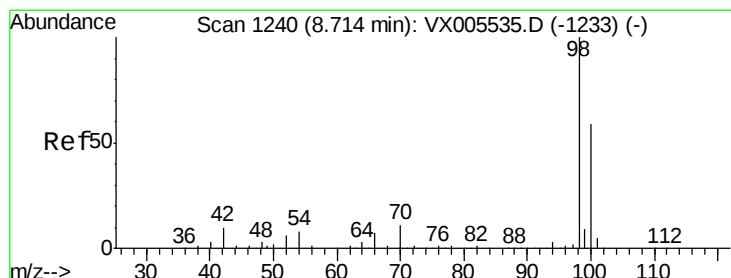
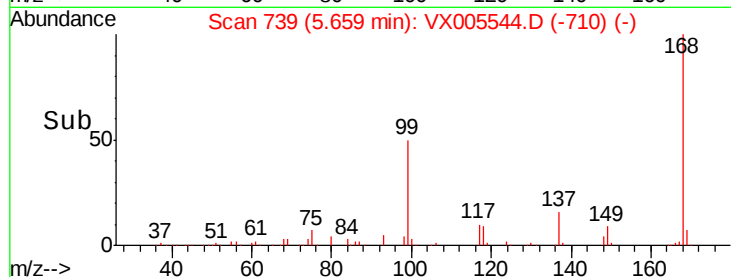
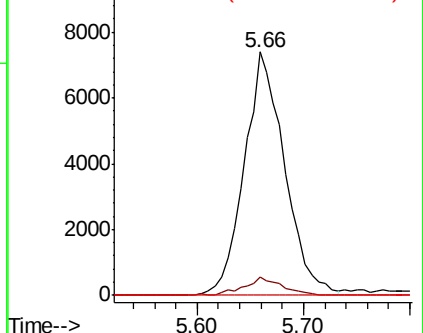
121 0.0 24.9 37.3#



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: 48.891 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005544.D

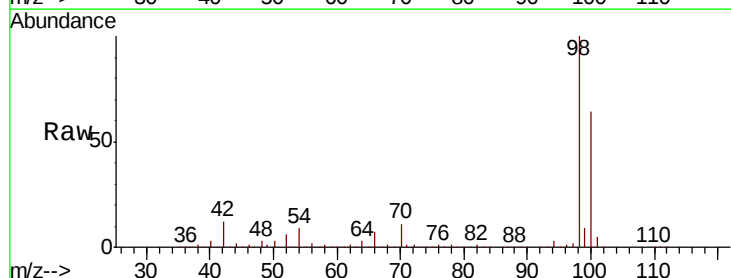
Acq: 24 Oct 2018 16:33

Tgt Ion: 98 Resp: 384555

Ion Ratio Lower Upper

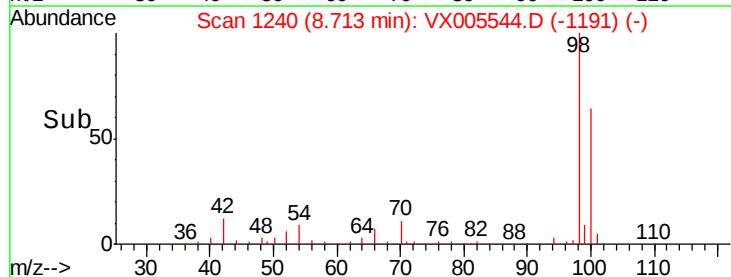
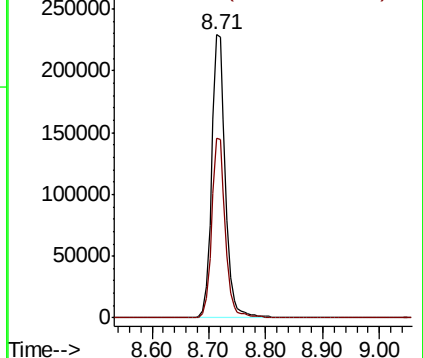
98 100

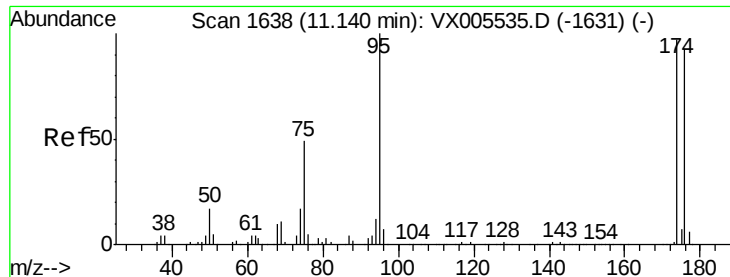
100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

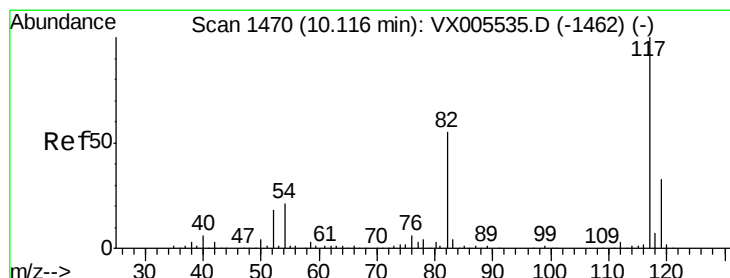
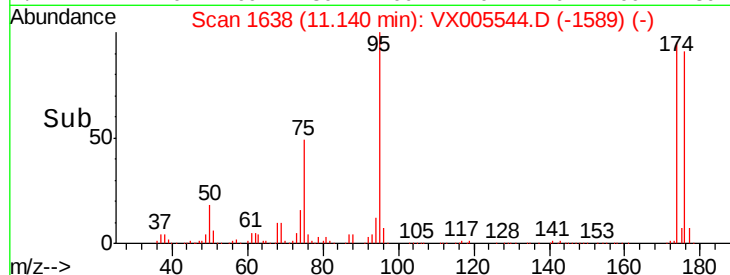
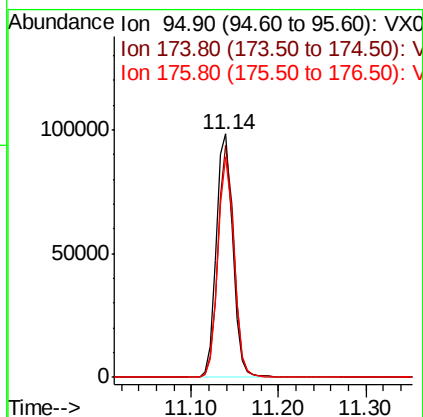
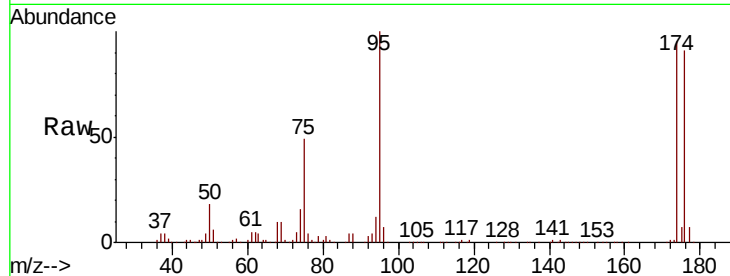




#62
4-Bromofluorobenzene
Concen: 43.044 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005544.D
Acq: 24 Oct 2018 16:33

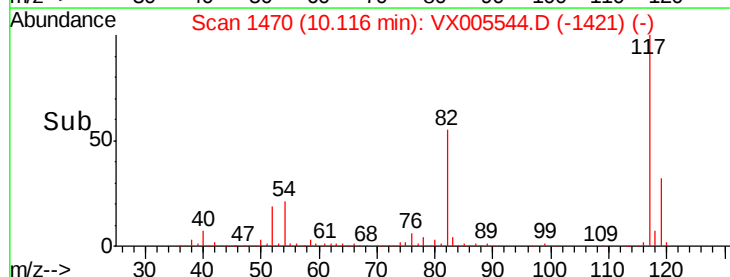
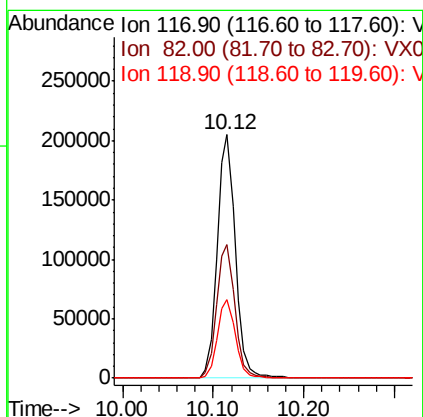
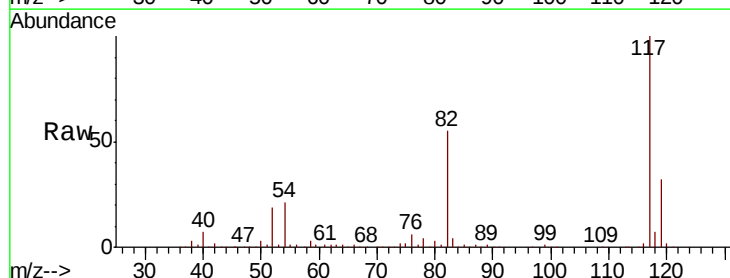
Instrument :
MSVOA_X
ClientSampled :
TWP-01

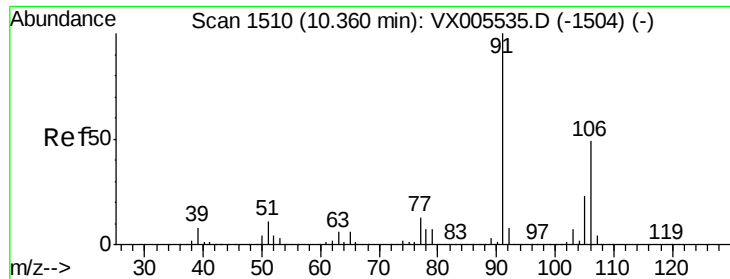
Tot Ion: 95 Resp: 127857
Ion Ratio Lower Upper
95 100
174 92.0 0.0 185.2
176 88.5 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005544.D
Acq: 24 Oct 2018 16:33

Tgt Ion: 117 Resp: 287404
Ion Ratio Lower Upper
117 100
82 54.7 47.8 71.6
119 32.3 29.3 43.9

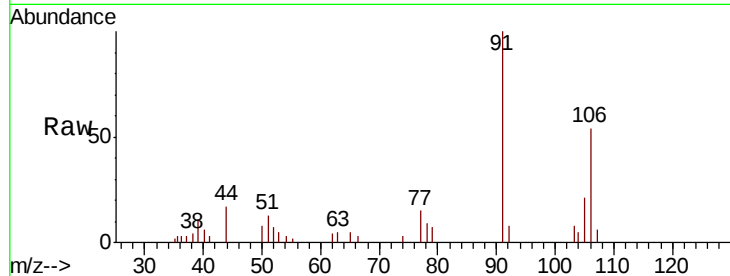




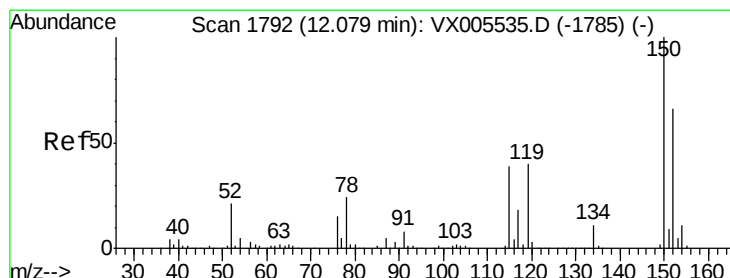
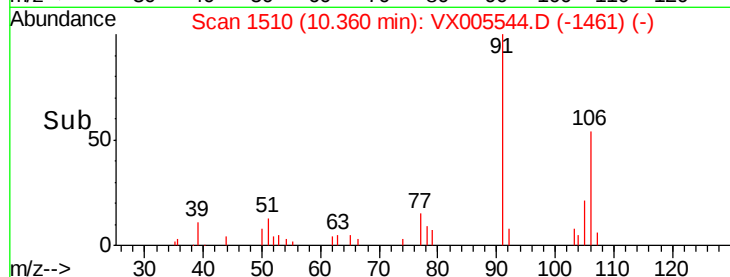
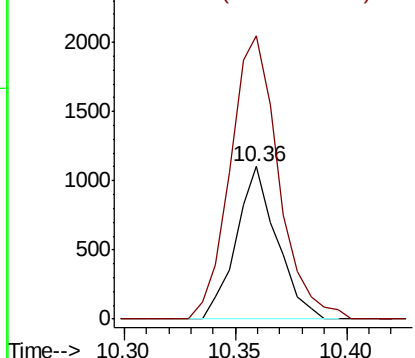
#68
m/p-Xvlenes
Concen: 0.361 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005544.D
Acq: 24 Oct 2018 16:33

Instrument :
MSVOA_X
ClientSampled :
TWP-01

Tot Ion:106 Resp: 1412
Ion Ratio Lower Upper
106 100
91 218.4 157.1 235.7

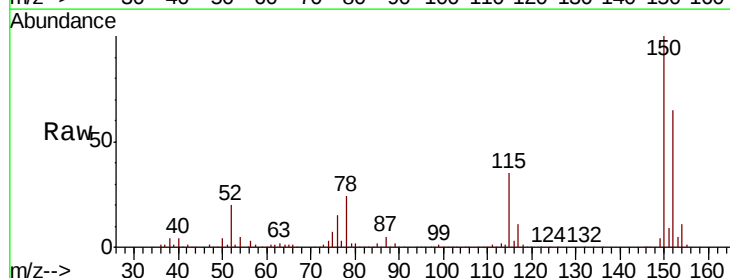


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

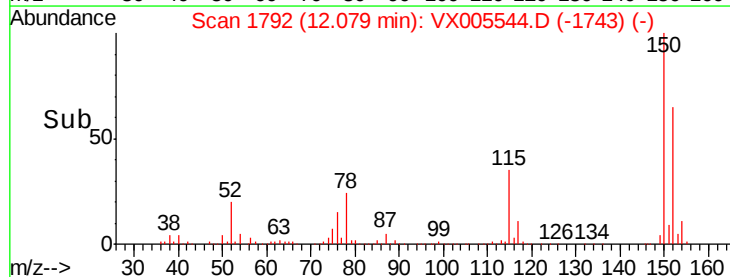
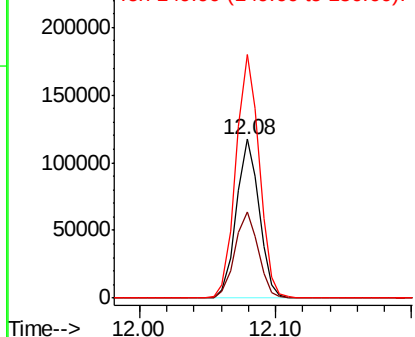


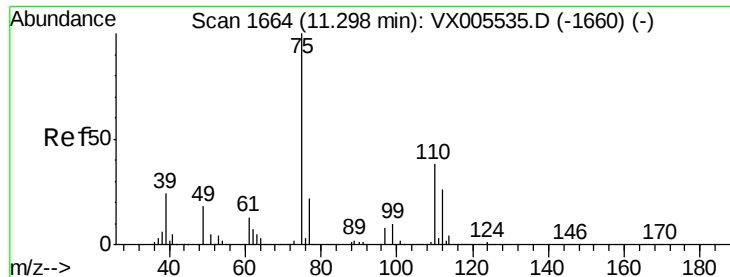
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005544.D
Acq: 24 Oct 2018 16:33

Tgt Ion:152 Resp: 137376
Ion Ratio Lower Upper
152 100
115 55.4 39.0 117.0
150 157.0 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.015 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

Instrument :

MSVOA_X

ClientSampled :

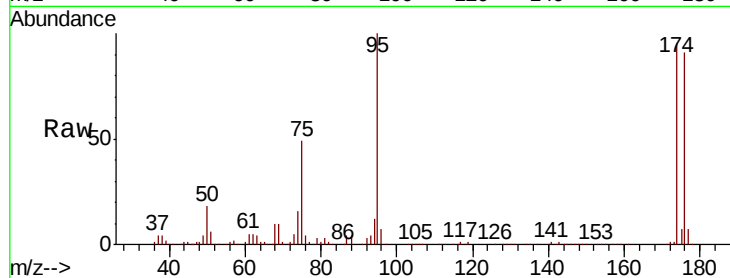
TWP-01

Tot Ion: 75 Resp: 64400

Ion Ratio Lower Upper

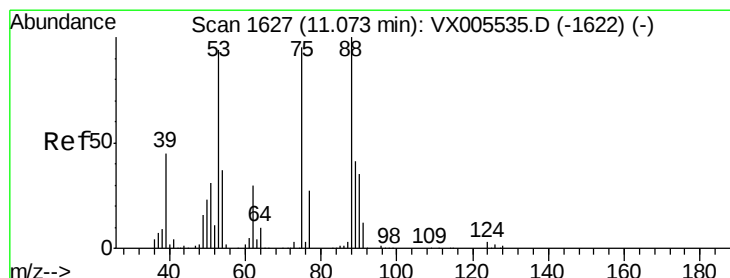
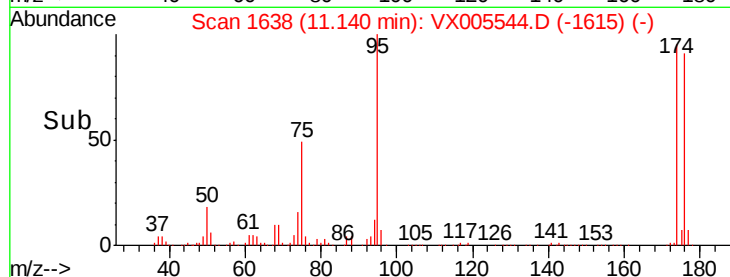
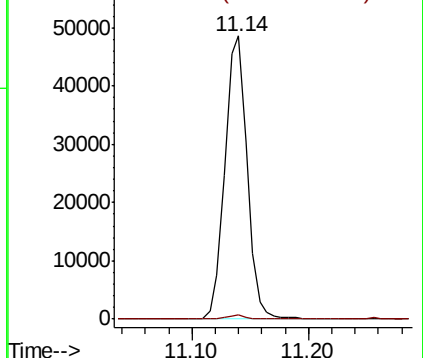
75 100

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: 72.296 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005544.D

Acq: 24 Oct 2018 16:33

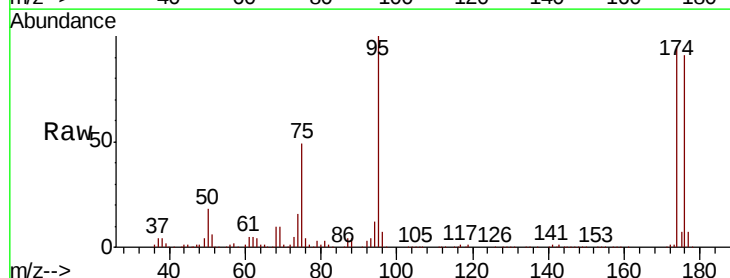
Tgt Ion: 75 Resp: 64400

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

