

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102518\
 Data File : VX005594.D
 Acq On : 25 Oct 2018 17:23
 Operator : JC/MD
 Sample : J5665-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03

Quant Time: Oct 26 05:24:04 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	207670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135432	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	138011	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
35) Dibromofluoromethane	5.51	113	108643	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	8.71	98	375519	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.14	95	129145	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	

Target Compounds

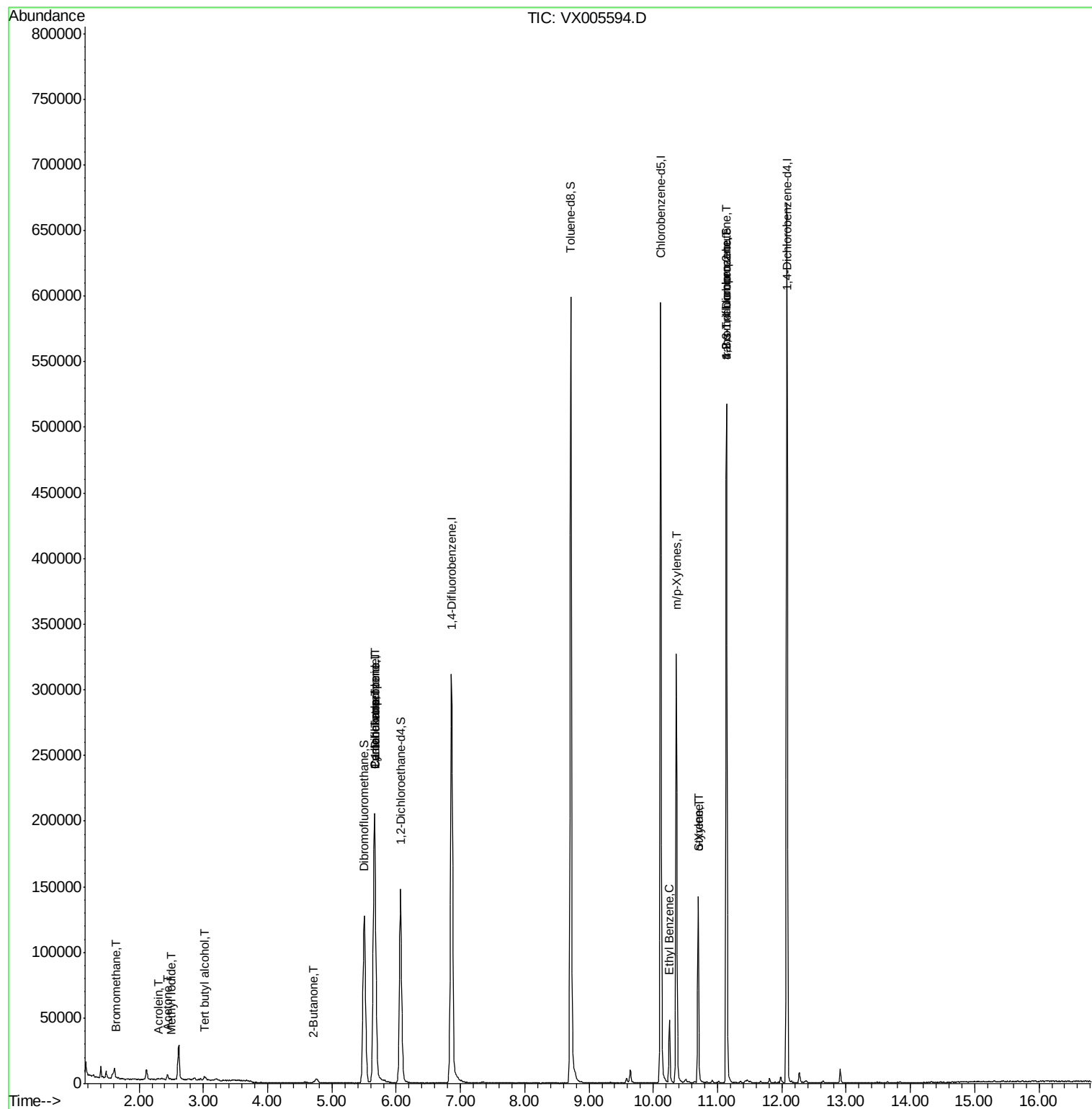
					Qvalue	
5) Bromomethane	1.64	94	500	0.313	ug/l	86
10) Methyl Iodide	2.51	142	151	2.792	ug/l #	55
11) Tert butyl alcohol	3.02	59	1670	2.448	ug/l #	77
13) Acrolein	2.30	56	151	0.434	ug/l #	56
16) Acetone	2.45	43	4630	3.456	ug/l #	85
18) Methyl Acetate	2.78	43	524	Below Cal		96
25) 2-Butanone	4.71	43	912	0.447	ug/l #	51
31) Cyclohexane	5.66	56	4133	1.209	ug/l #	2
36) 1,1-Dichloropropene	5.67	75	15097	4.960	ug/l #	41
38) Carbon Tetrachloride	5.67	117	19863	6.196	ug/l #	15
67) Ethyl Benzene	10.25	91	27325	2.771	ug/l	97
68) m/p-Xylenes	10.36	106	76020	19.869	ug/l	99
69) o-Xylene	10.70	106	30235	8.400	ug/l	96
70) Styrene	10.70	104	1999	0.332	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	65638	22.874	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	65638	74.743	ug/l #	9

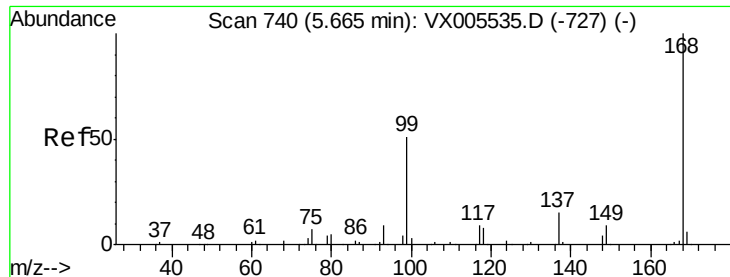
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 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: VX005594.D

Acq: 25 Oct 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

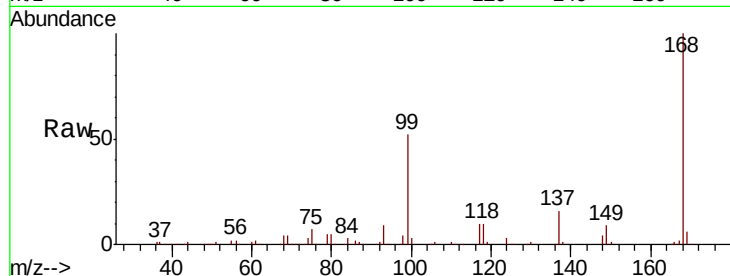
TWP-03

Tot Ion:168 Resp: 207670

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

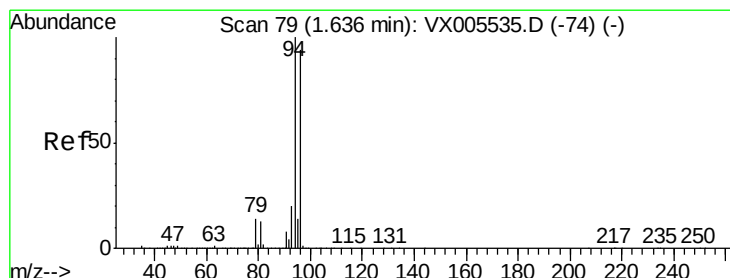
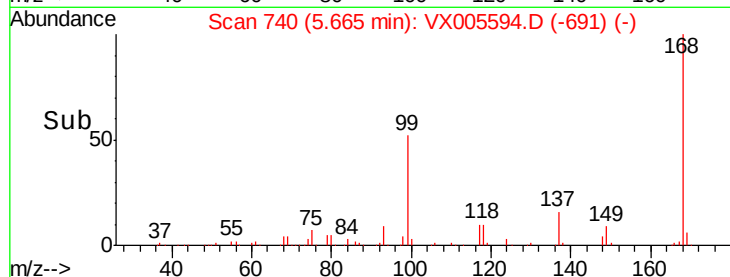
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.313 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005594.D

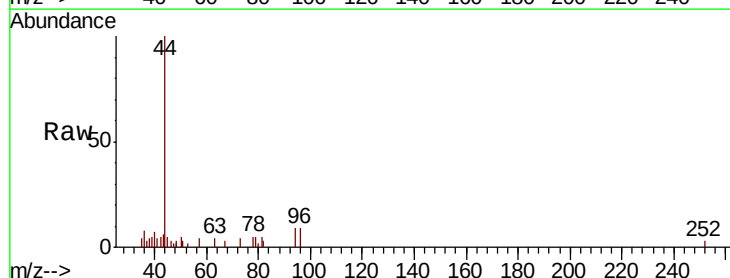
Acq: 25 Oct 2018 17:23

Tgt Ion: 94 Resp: 500

Ion Ratio Lower Upper

94 100

96 107.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

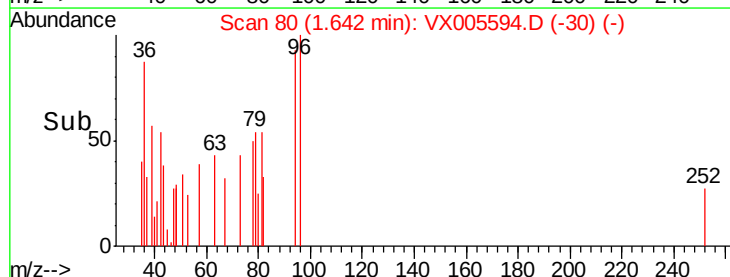
150

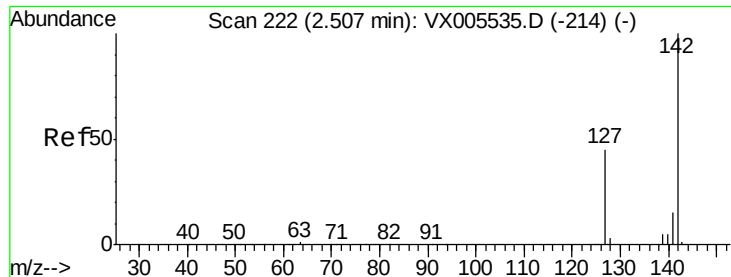
100

50

0

Time--> 1.60 1.65 1.70

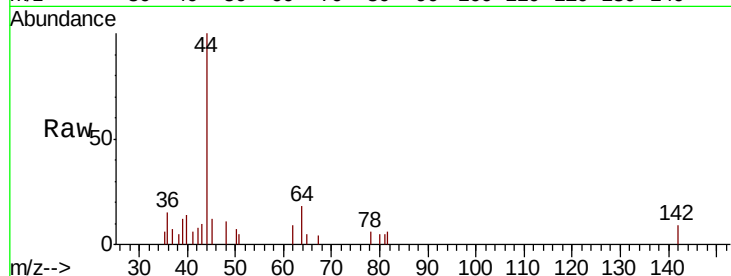




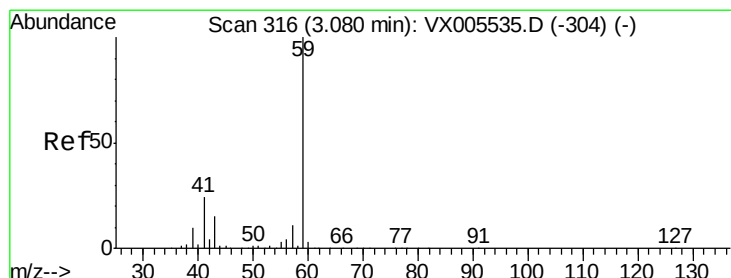
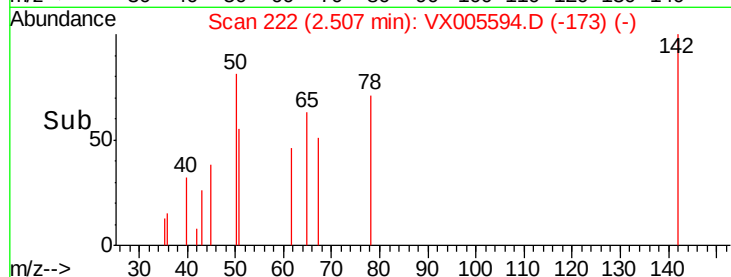
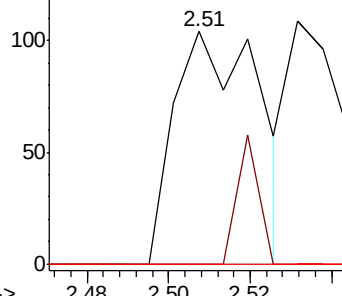
#10
Methvl Iodide
Concen: 2.792 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

Instrument :
MSVOA_X
ClientSampled :
TWP-03

Tot Ion:142 Resp: 151
Ion Ratio Lower Upper
142 100
127 13.9 36.0 54.0#
141 0.0 11.7 17.5#

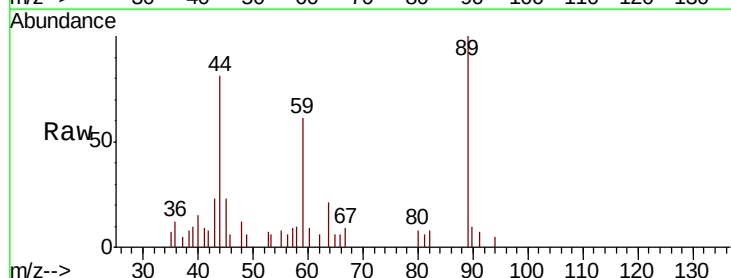


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

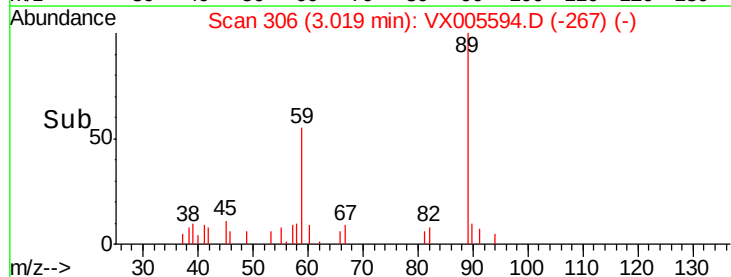
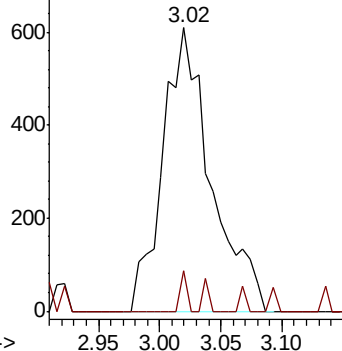


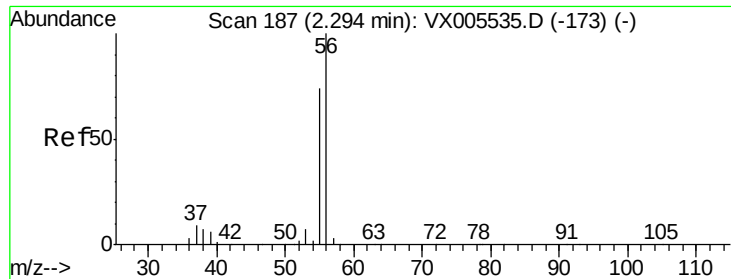
#11
Tert butyl alcohol
Concen: 2.448 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

Tgt Ion: 59 Resp: 1670
Ion Ratio Lower Upper
59 100
57 1.9 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: 0.434 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005594.D

Acq: 25 Oct 2018 17:23

Instrument :

MSVOA_X

ClientSampled :

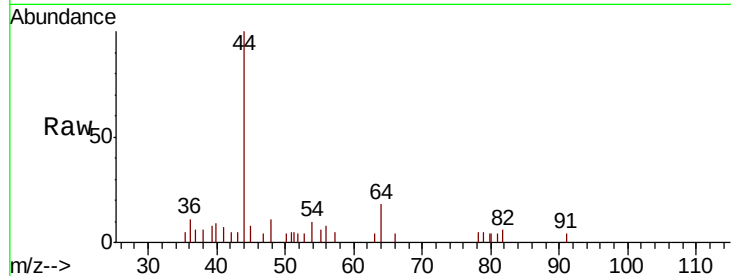
TWP-03

Tot Ion: 56 Resp: 151

Ion Ratio Lower Upper

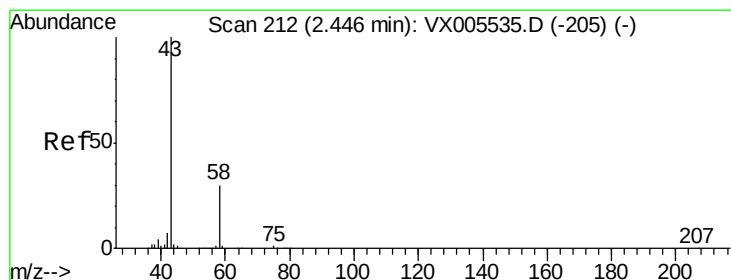
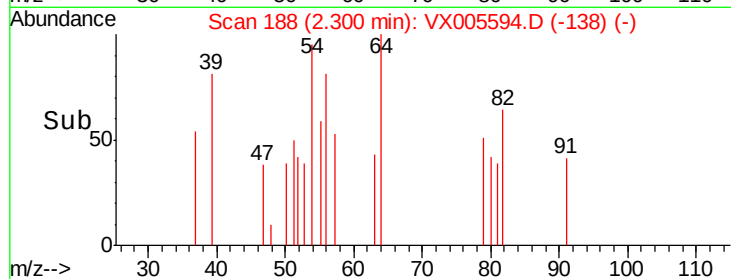
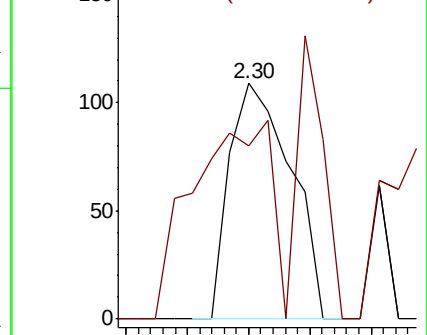
56 100

55 107.9 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: 3.456 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005594.D

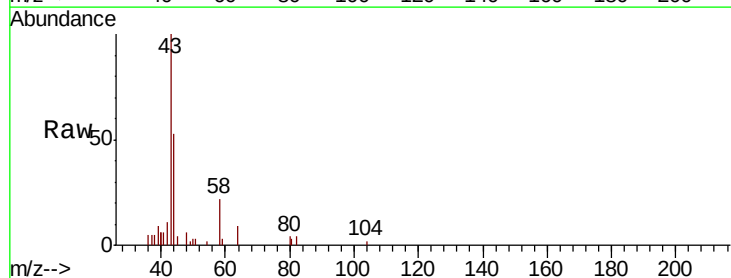
Acq: 25 Oct 2018 17:23

Tgt Ion: 43 Resp: 4630

Ion Ratio Lower Upper

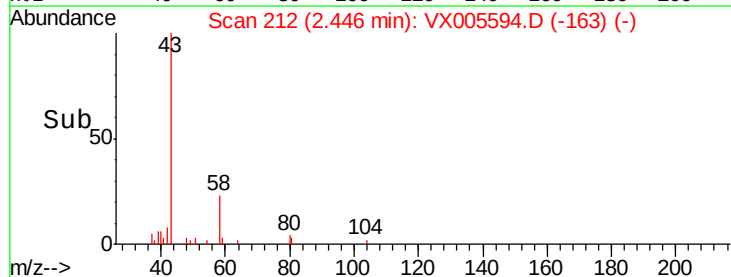
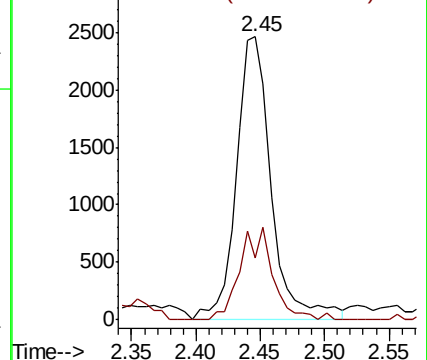
43 100

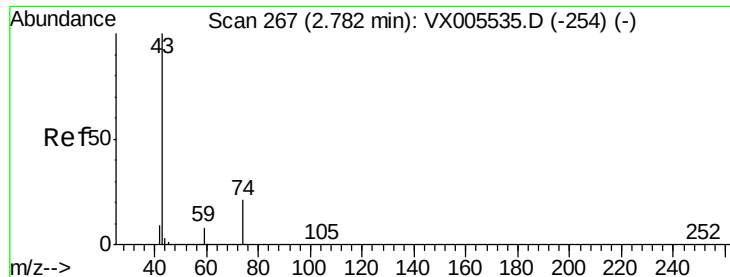
58 21.7 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

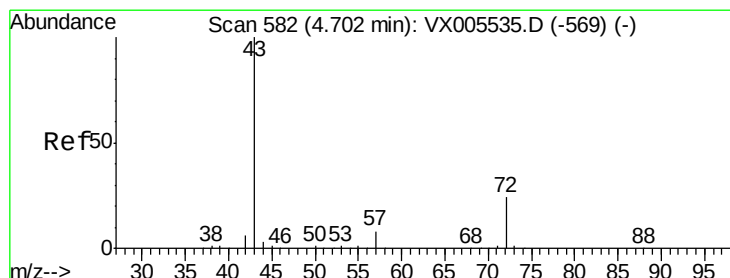
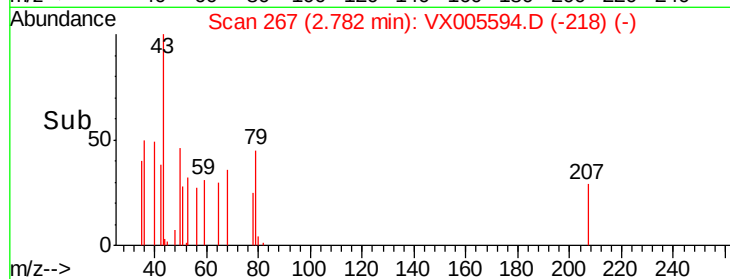
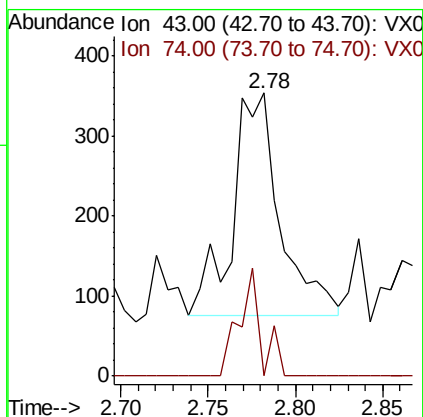
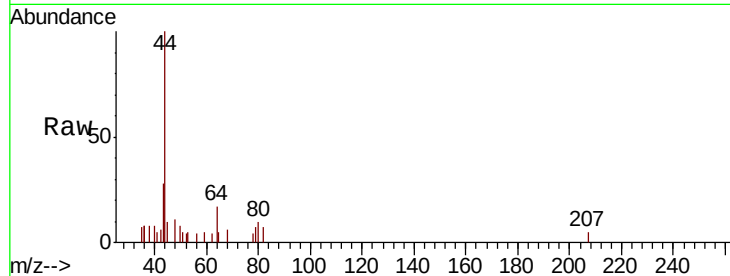




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

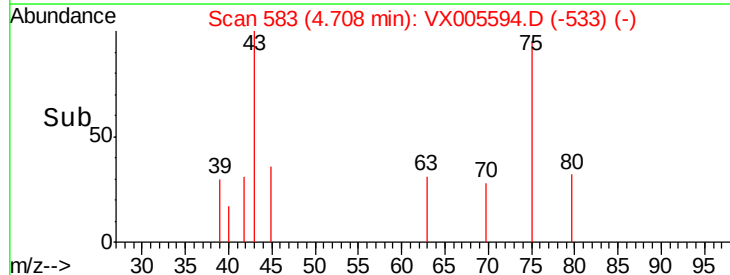
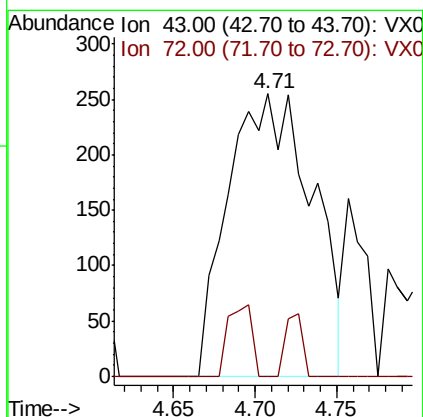
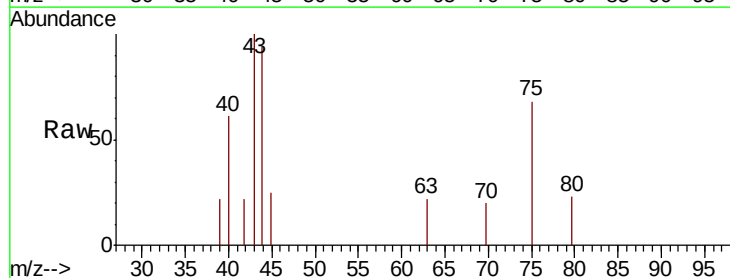
Instrument :
MSVOA_X
ClientSampled :
TWP-03

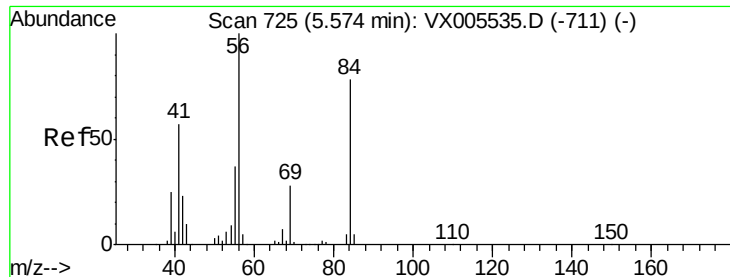
Tot Ion: 43 Resp: 524
Ion Ratio Lower Upper
43 100
74 22.7 16.8 25.2



#25
2-Butanone
Concen: 0.447 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

Tgt Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#

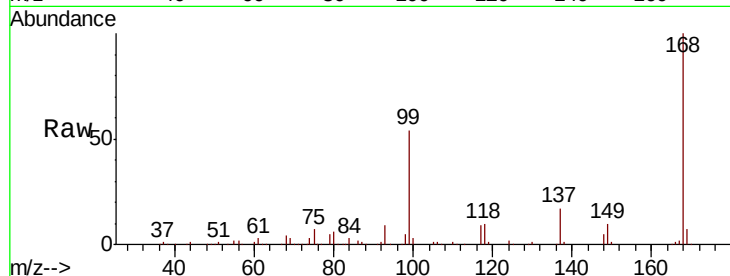




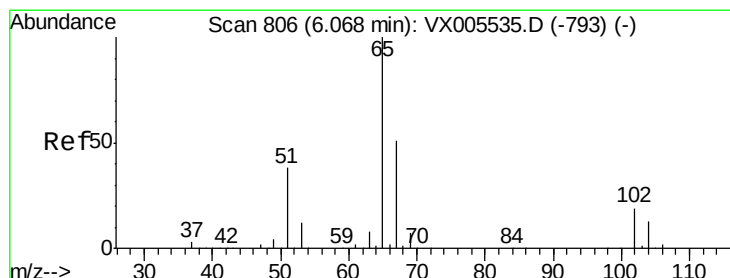
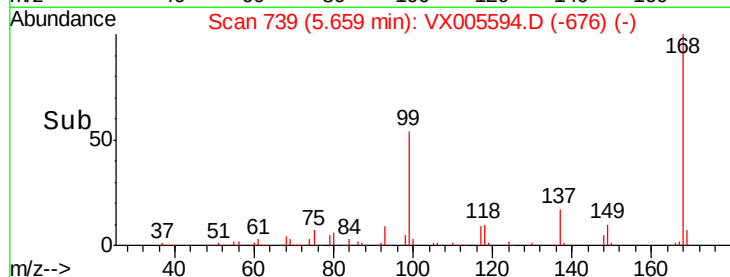
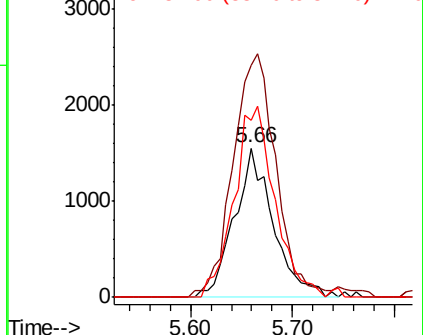
#31
Cyclohexane
Concen: 1.209 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
TWP-03

Tot Ion: 56 Resp: 4133
Ion Ratio Lower Upper
56 100
69 155.2 22.6 34.0#
84 118.9 62.7 94.1#

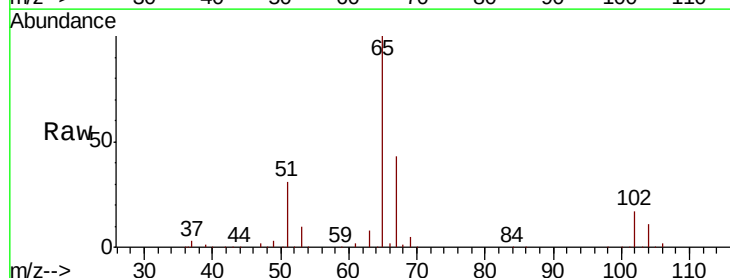


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

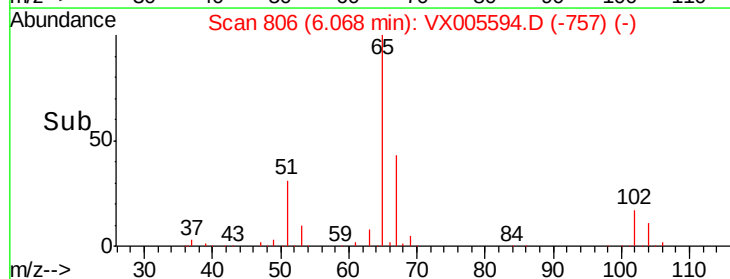
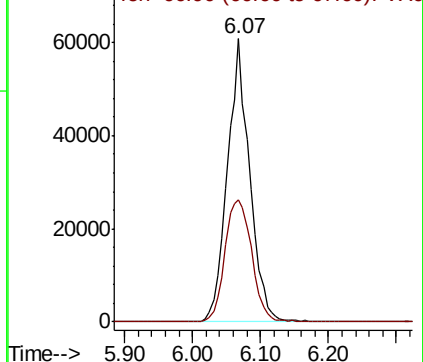


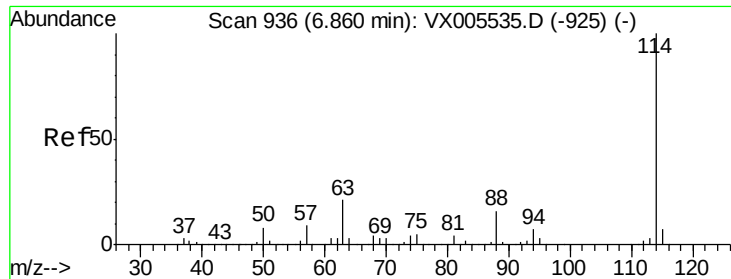
#33
1,2-Dichloroethane-d4
Concen: 54.442 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

Tgt Ion: 65 Resp: 138011
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.0



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

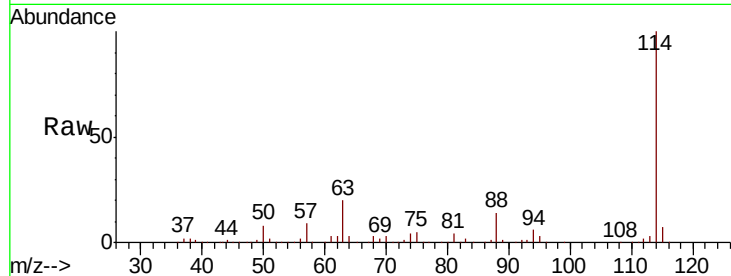




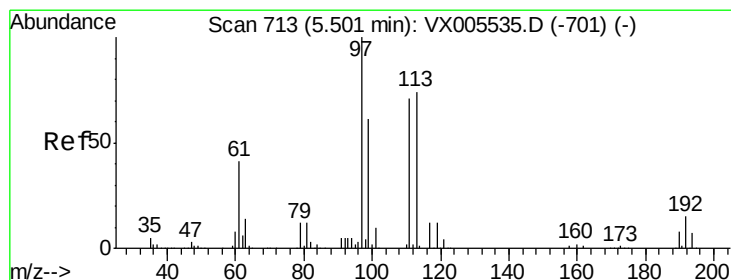
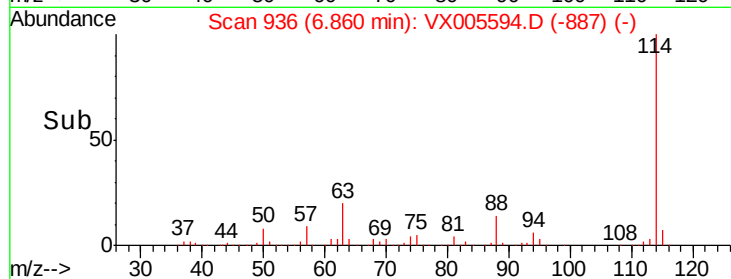
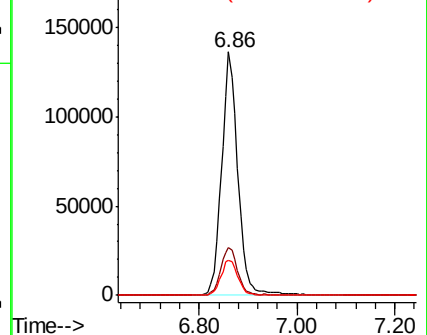
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
TWP-03

Tot Ion:114 Resp: 313658
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.8
88 14.3 0.0 31.2

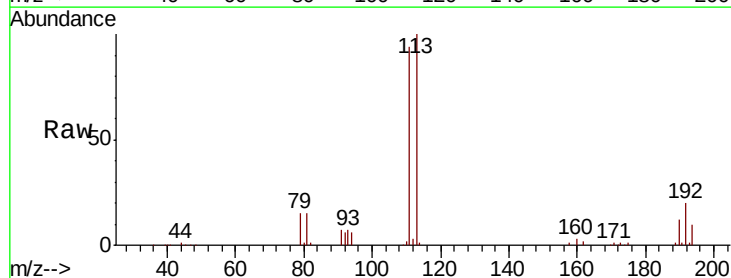


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

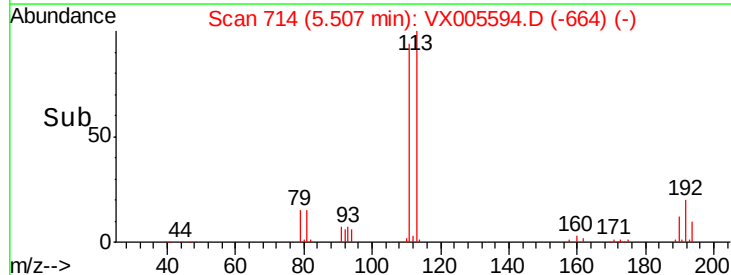
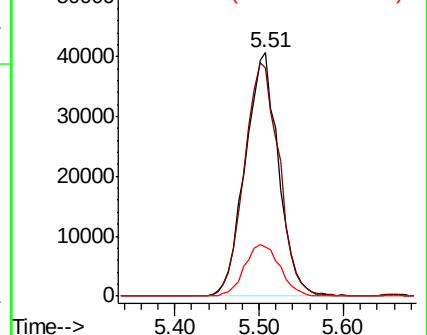


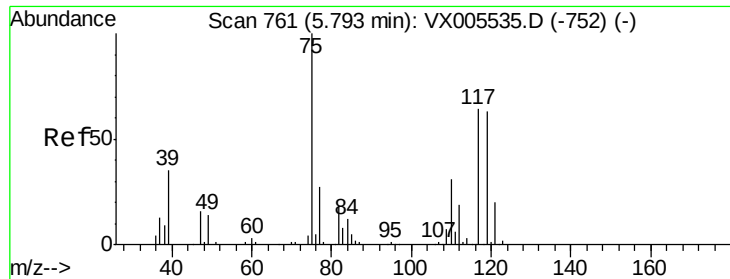
#35
Dibromofluoromethane
Concen: 51.154 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

Tgt Ion:113 Resp: 108643
Ion Ratio Lower Upper
113 100
111 100.2 82.3 123.5
192 22.5 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

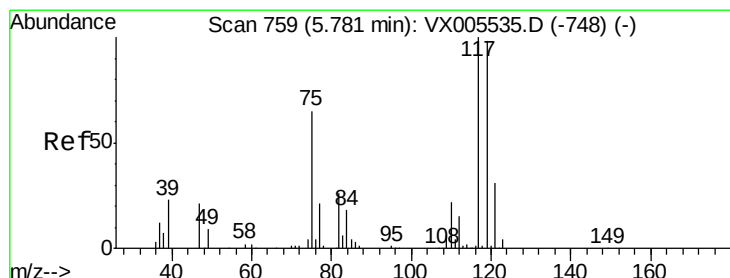
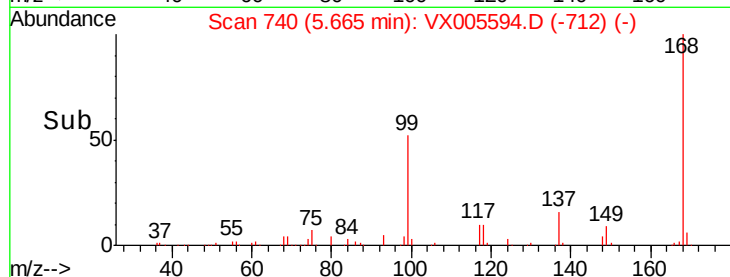
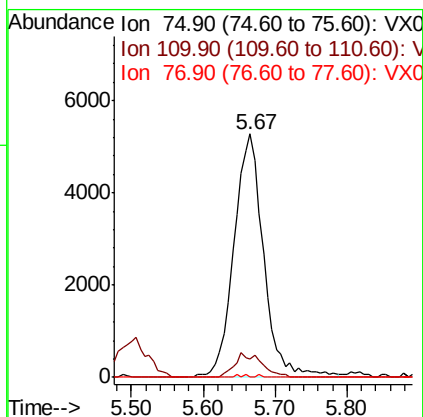
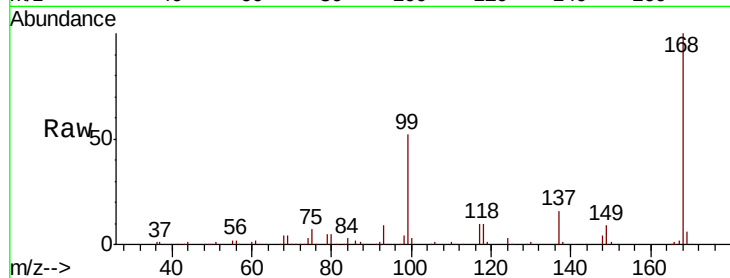




#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005594.D
 Acq: 25 Oct 2018 17:23

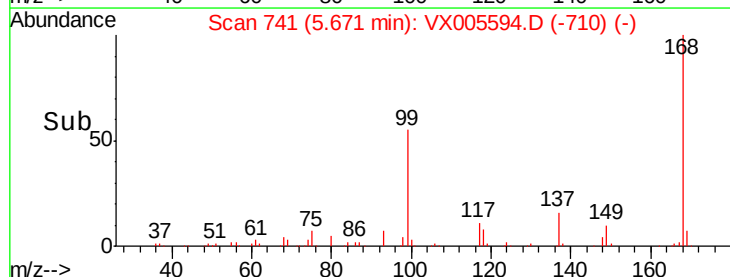
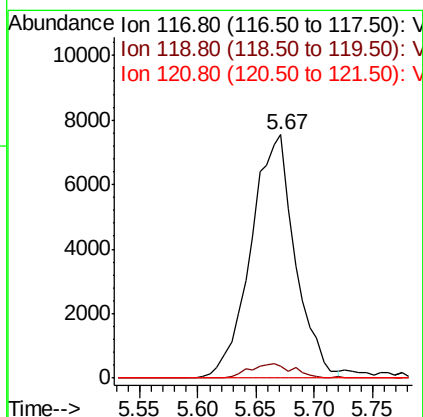
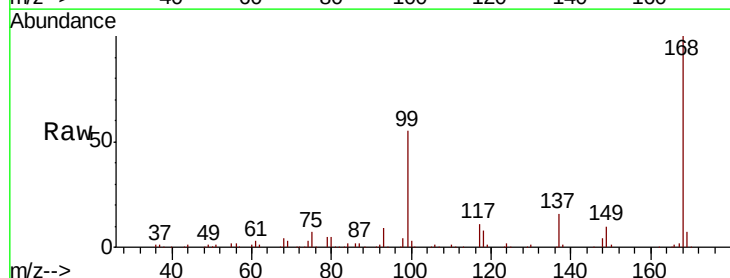
Instrument :
 MSVOA_X
 ClientSampled :
 TWP-03

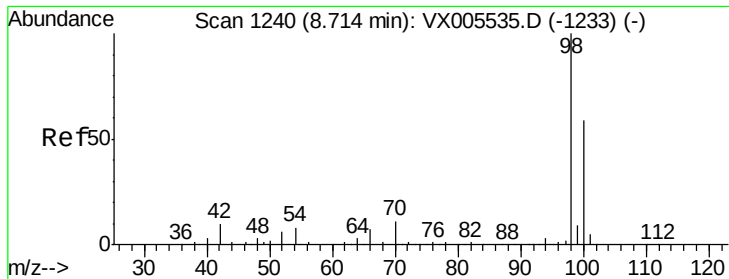
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.4	52.2#
77	0.2	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.196 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX005594.D
 Acq: 25 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.1	117.1#
121	0.0	24.6	36.8#

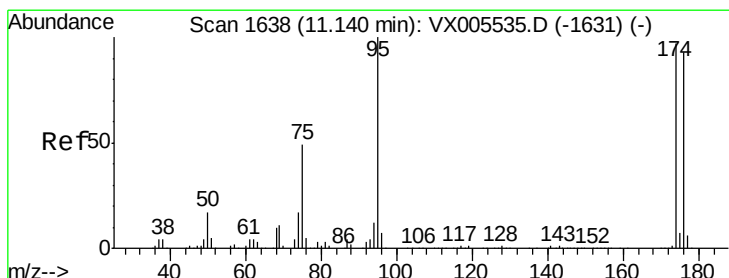
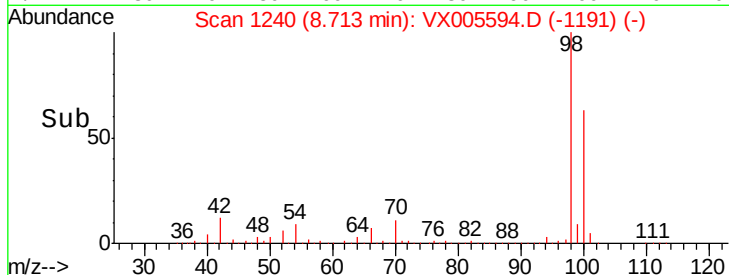
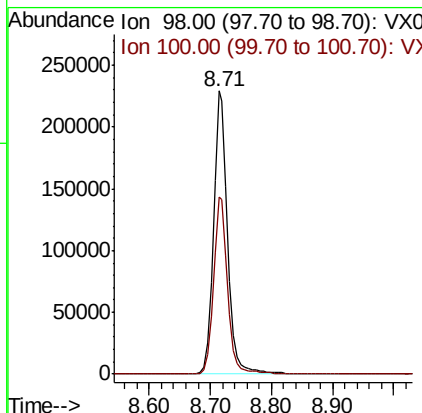
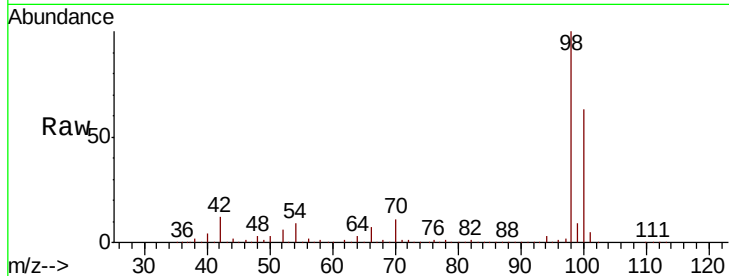




#50
Toluene-d8
Concen: 49.207 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

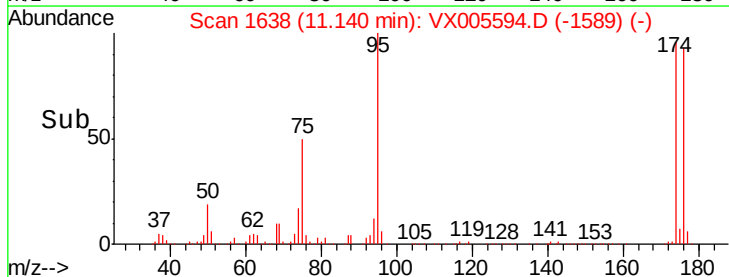
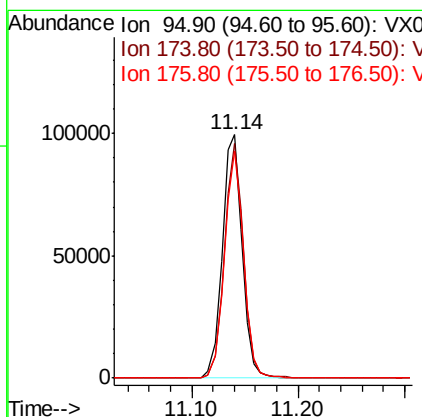
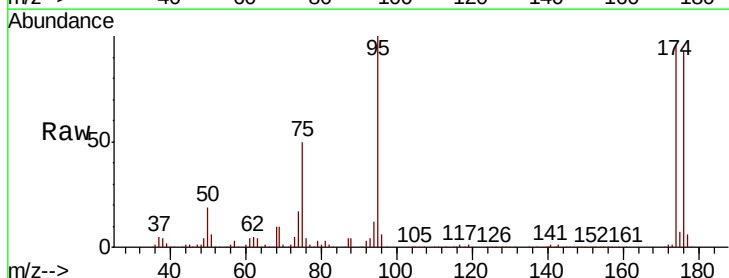
Instrument :
MSVOA_X
ClientSampled :
TWP-03

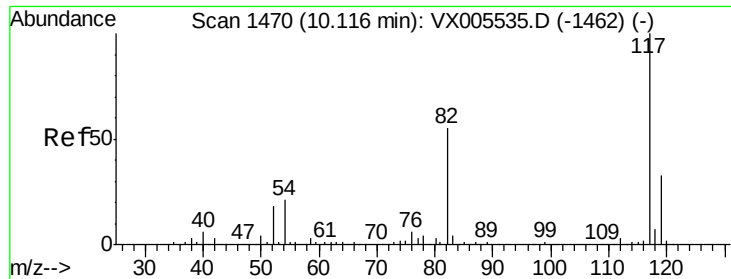
Tot Ion: 98 Resp: 375519
Ion Ratio Lower Upper
98 100
100 63.0 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 44.812 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

Tgt Ion: 95 Resp: 129145
Ion Ratio Lower Upper
95 100
174 93.0 0.0 184.4
176 90.4 0.0 177.4

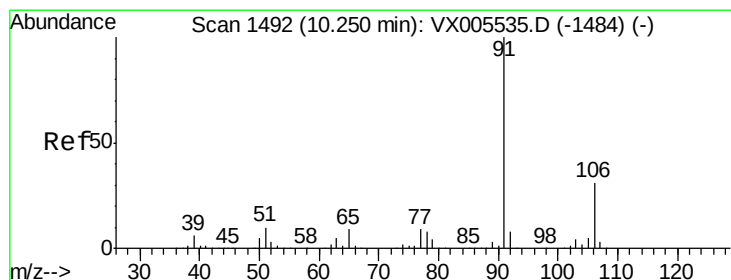
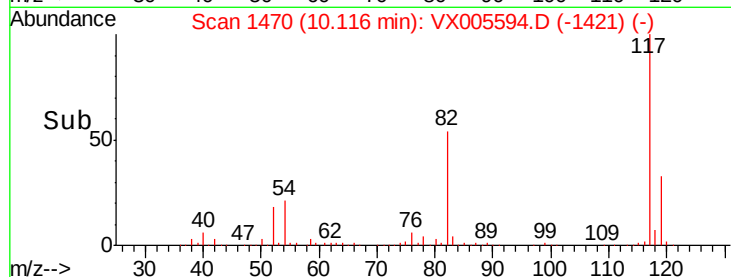
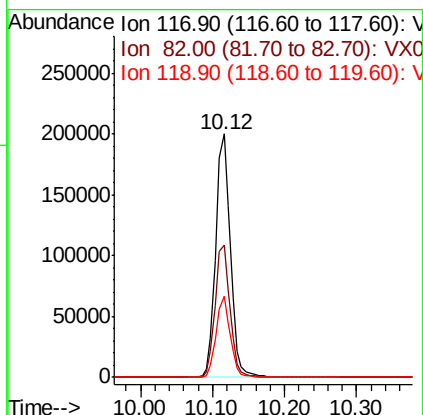
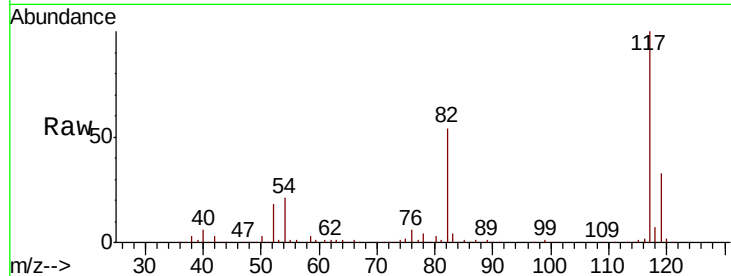




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

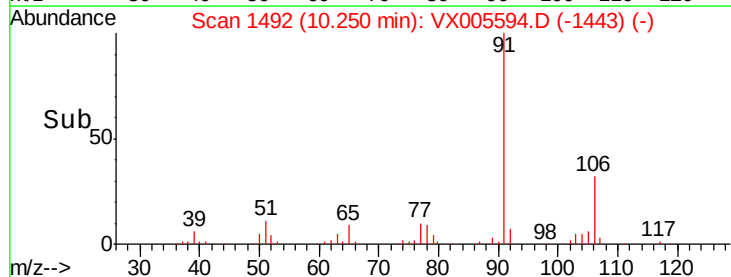
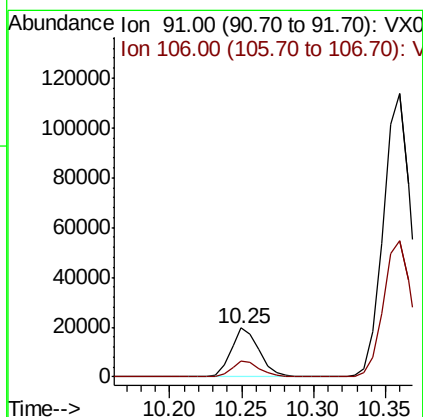
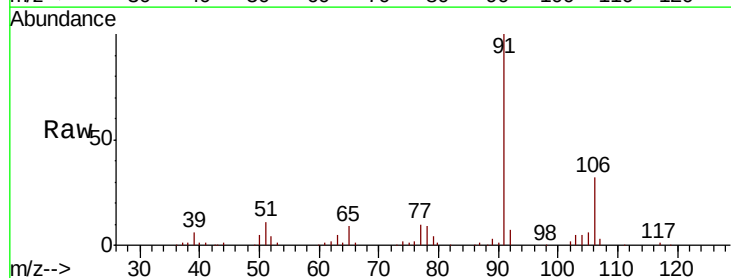
Instrument :
MSVOA_X
ClientSampled :
TWP-03

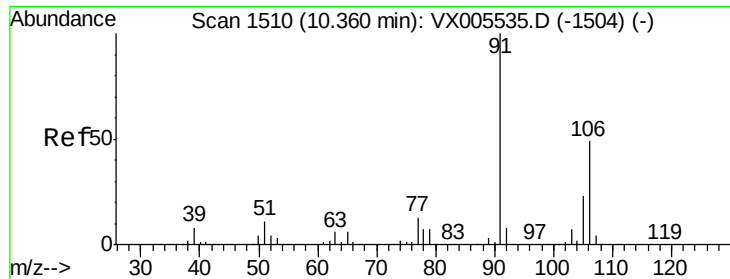
Tot Ion:117 Resp: 281478
Ion Ratio Lower Upper
117 100
82 54.4 44.1 66.1
119 33.2 26.2 39.2



#67
Ethyl Benzene
Concen: 2.771 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

Tgt Ion: 91 Resp: 27325
Ion Ratio Lower Upper
91 100
106 32.3 24.4 36.6





#68

m/p-Xylenes

Concen: 19.869 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005594.D

Acq: 25 Oct 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

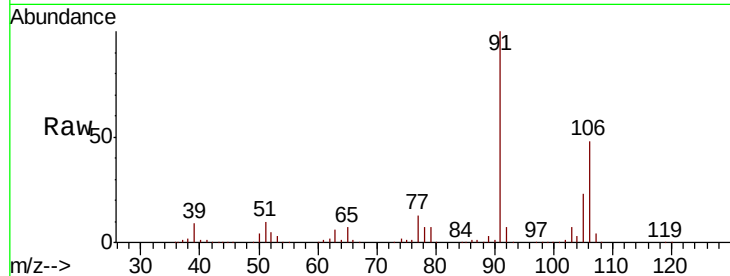
TWP-03

Tot Ion:106 Resp: 76020

Ion Ratio Lower Upper

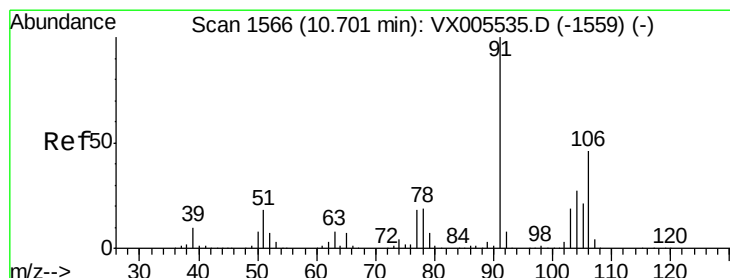
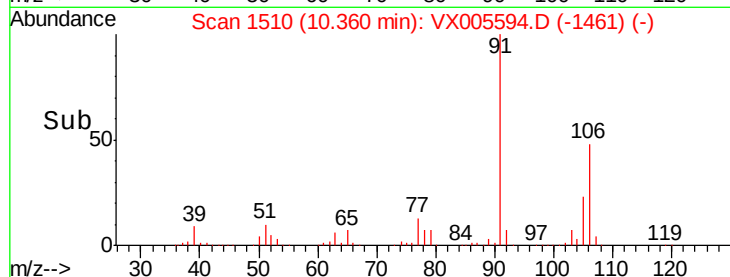
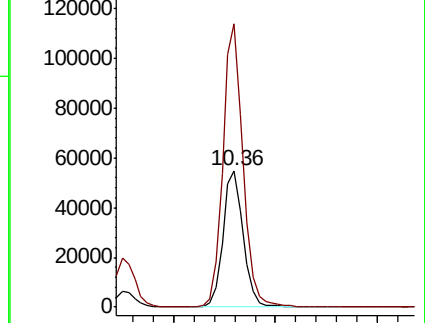
106 100

91 204.1 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 8.400 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX005594.D

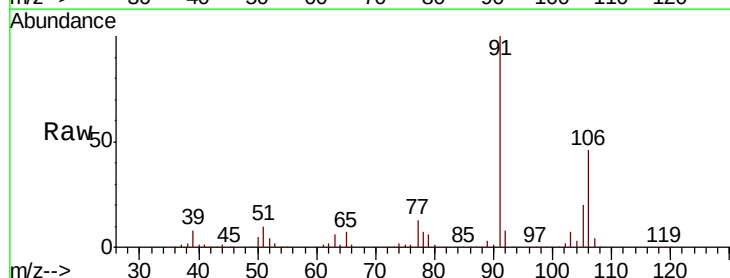
Acq: 25 Oct 2018 17:23

Tgt Ion:106 Resp: 30235

Ion Ratio Lower Upper

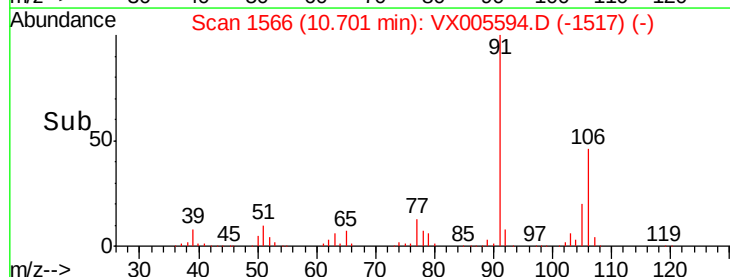
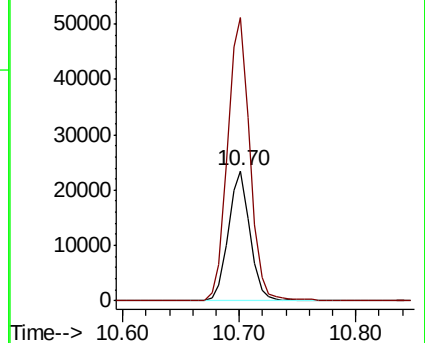
106 100

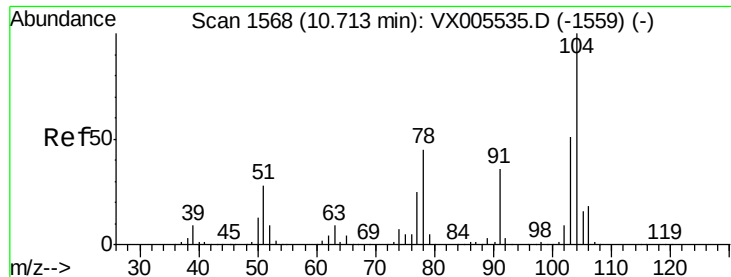
91 223.7 108.5 325.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

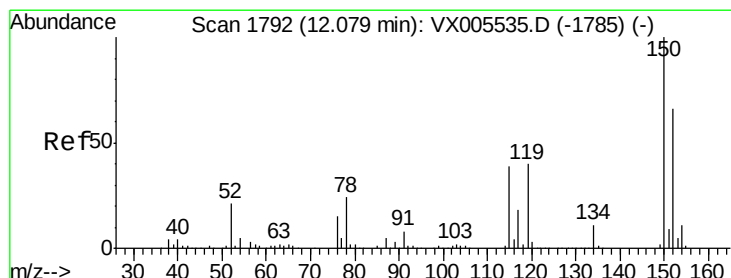
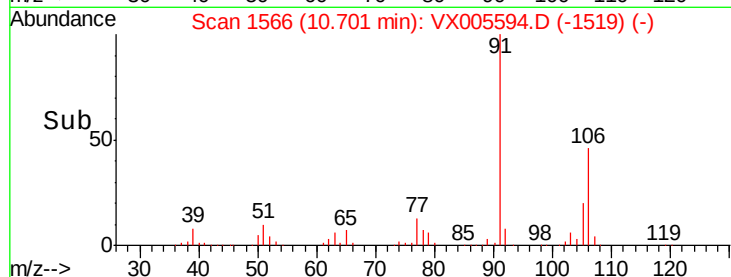
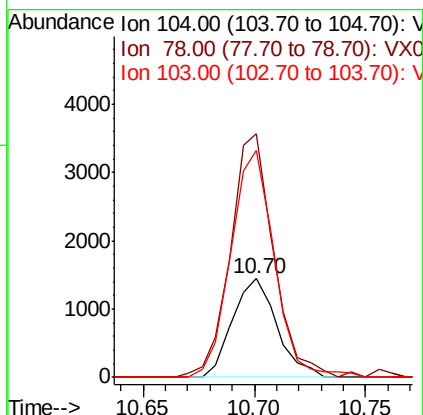
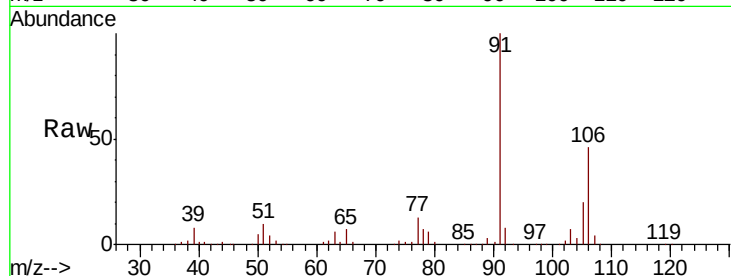




#70
Stvrene
Concen: 0.332 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

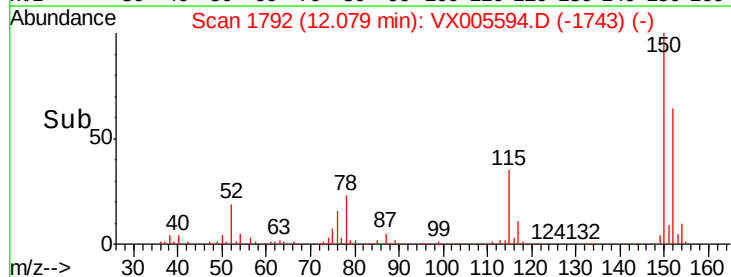
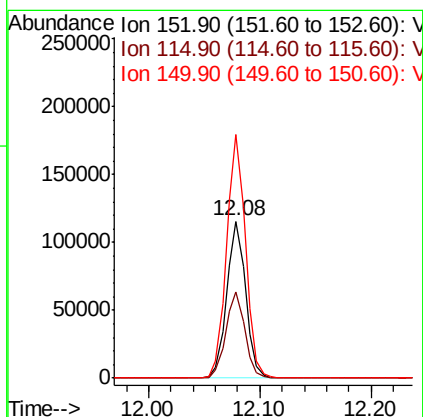
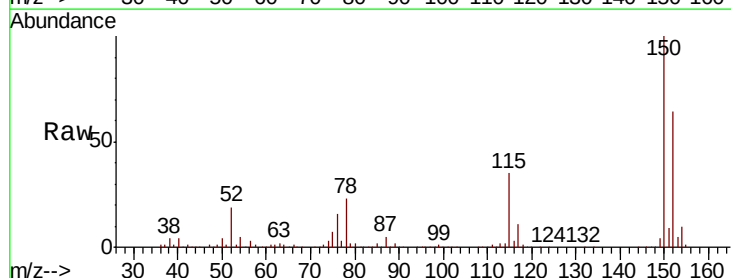
Instrument :
MSVOA_X
ClientSampled :
TWP-03

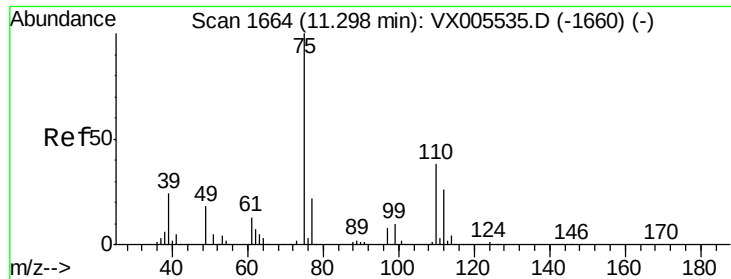
Tot Ion:104 Resp: 1999
Ion Ratio Lower Upper
104 100
78 240.0 40.2 60.4#
103 226.8 44.9 67.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005594.D
Acq: 25 Oct 2018 17:23

Tgt Ion:152 Resp: 135432
Ion Ratio Lower Upper
152 100
115 55.2 39.4 118.1
150 155.1 0.0 346.4

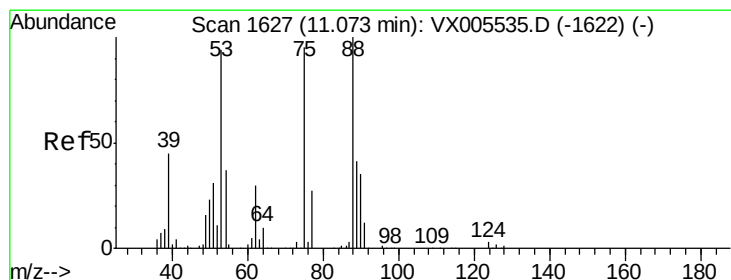
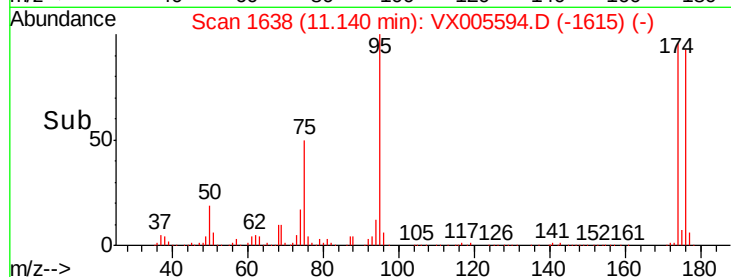
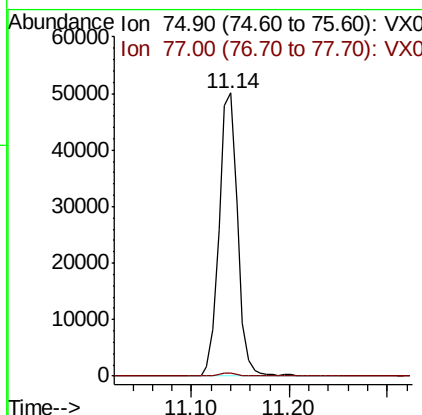
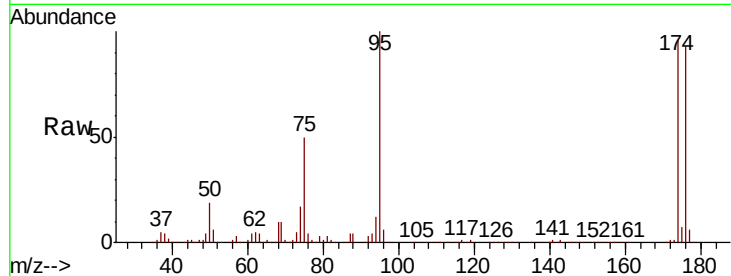




#76
 1,2,3-Trichloropropane
 Concen: 22.874 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005594.D
 Acq: 25 Oct 2018 17:23

Instrument :
 MSVOA_X
 ClientSampled :
 TWP-03

Tot Ion: 75 Resp: 65638
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.743 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005594.D
 Acq: 25 Oct 2018 17:23

Tgt Ion: 75 Resp: 65638
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.2 120.2#
 89 0.0 39.8 59.8#

