

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005611.D
 Acq On : 26 Oct 2018 18:02
 Operator : JC/MD
 Sample : J5696-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2018.10.25

Quant Time: Oct 27 04:48:12 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	251127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	371128	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166839	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	151191	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	5.50	113	123294	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	8.71	98	451408	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	11.14	95	154246	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

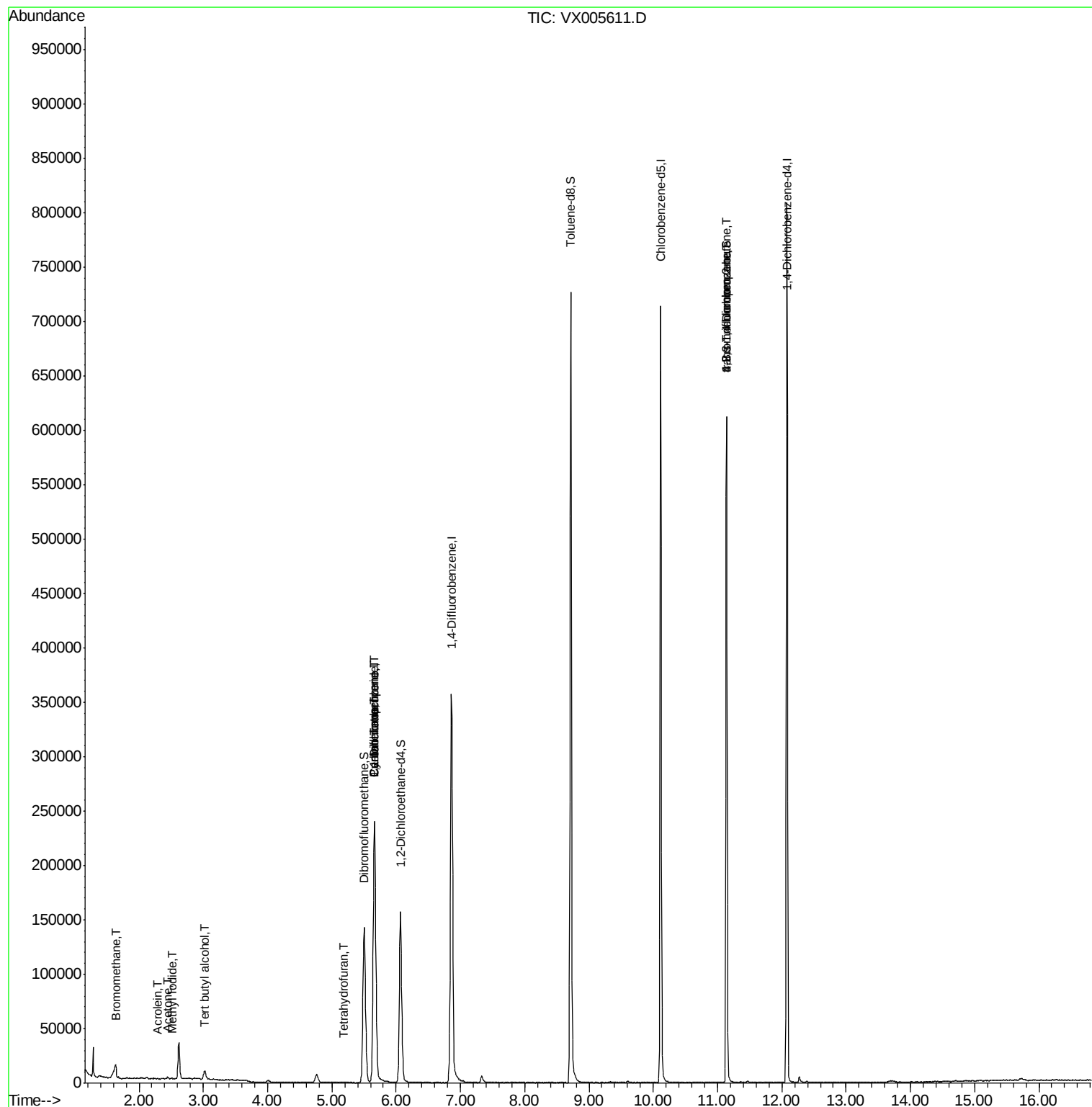
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	595	0.308	ug/l #	79
10) Methyl Iodide	2.51	142	361	2.857	ug/l #	87
11) Tert butyl alcohol	3.01	59	5185	6.286	ug/l #	75
13) Acrolein	2.29	56	162	0.385	ug/l #	77
16) Acetone	2.44	43	1881	1.161	ug/l	99
18) Methyl Acetate	2.78	43	600	Below Cal	#	53
29) Tetrahydrofuran	5.18	42	458	0.285	ug/l #	40
31) Cyclohexane	5.66	56	4550	1.101	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16786	4.661	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22432	5.913	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	76204	21.557	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	76204	70.440	ug/l #	9

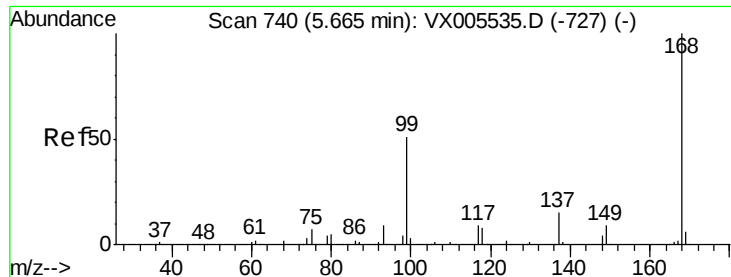
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005611.D

Acq: 26 Oct 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

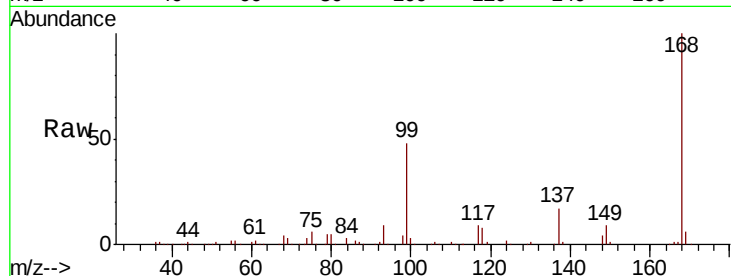
TB-2018.10.25

Tot Ion:168 Resp: 251127

Ion Ratio Lower Upper

168 100

99 48.4 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

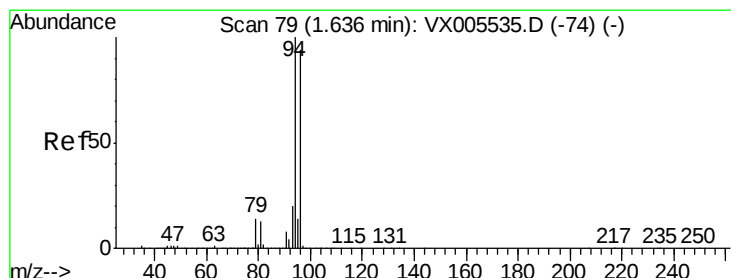
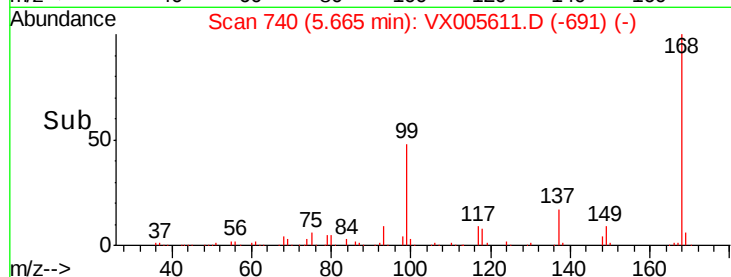
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.308 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005611.D

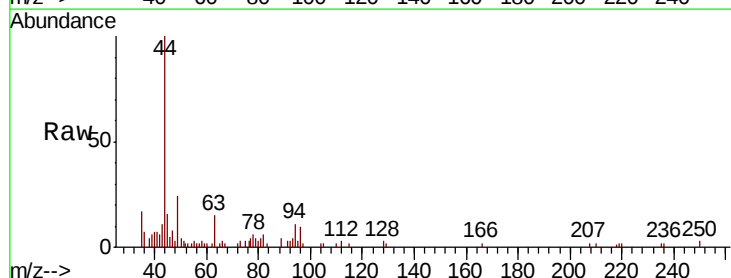
Acq: 26 Oct 2018 18:02

Tgt Ion: 94 Resp: 595

Ion Ratio Lower Upper

94 100

96 74.2 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

400

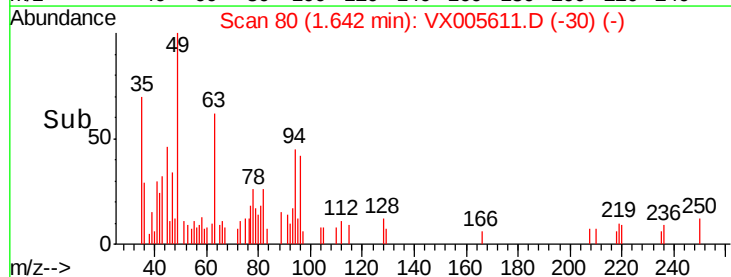
300

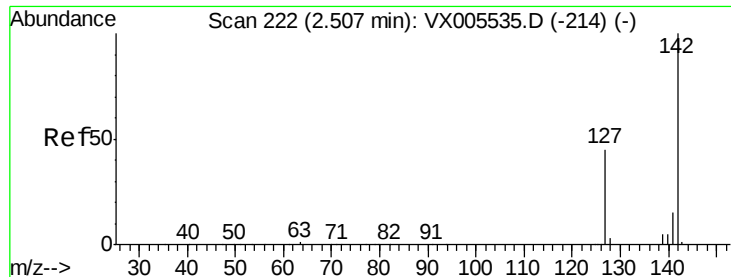
200

100

0

Time--> 1.60 1.65 1.70

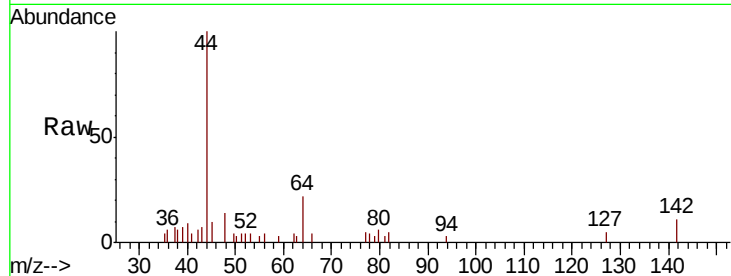




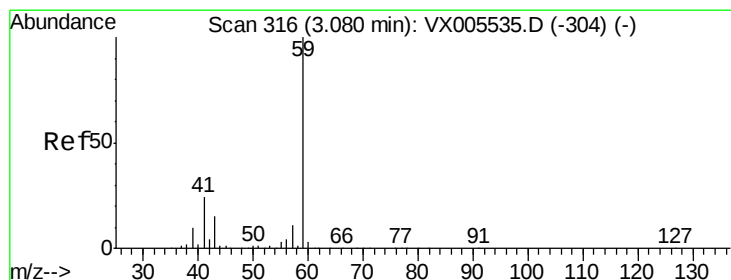
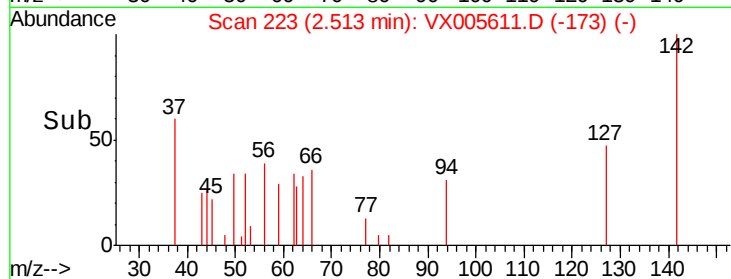
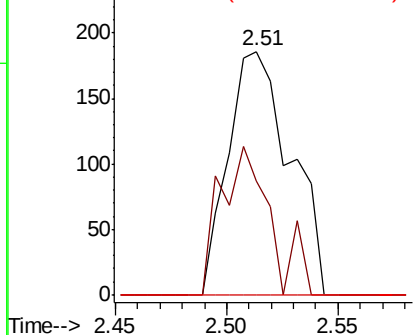
#10
Methvl Iodide
Concen: 2.857 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
TB-2018.10.25

Tot Ion:142 Resp: 361
Ion Ratio Lower Upper
142 100
127 49.0 36.0 54.0
141 0.0 11.7 17.5#

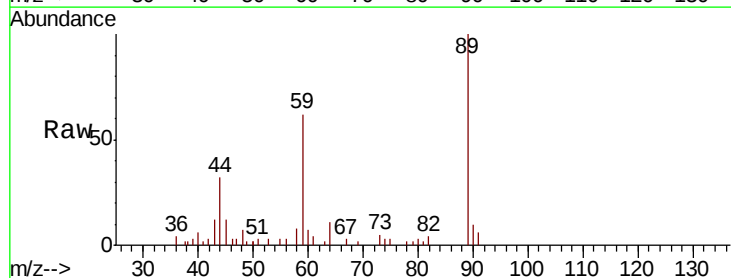


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

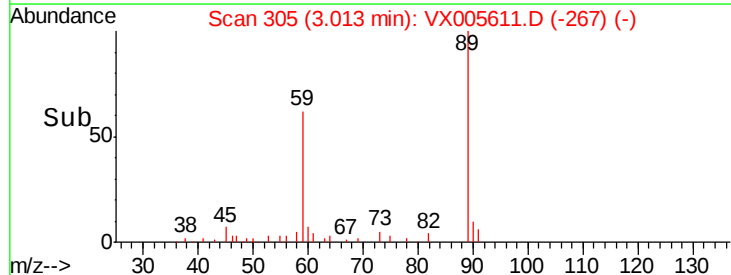
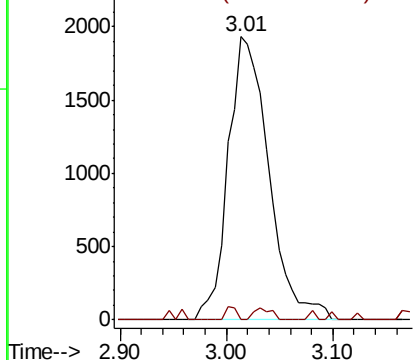


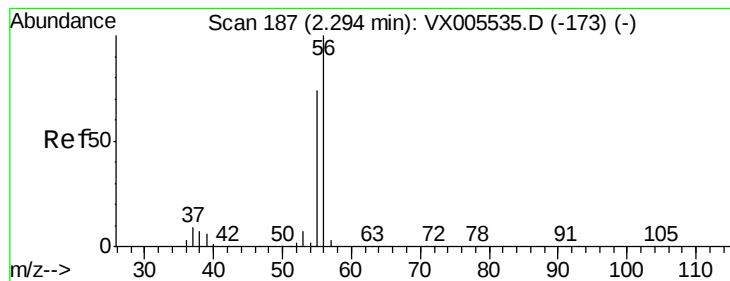
#11
Tert butyl alcohol
Concen: 6.286 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

Tgt Ion: 59 Resp: 5185
Ion Ratio Lower Upper
59 100
57 1.2 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: 0.385 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005611.D

Acq: 26 Oct 2018 18:02

Instrument :

MSVOA_X

ClientSampled :

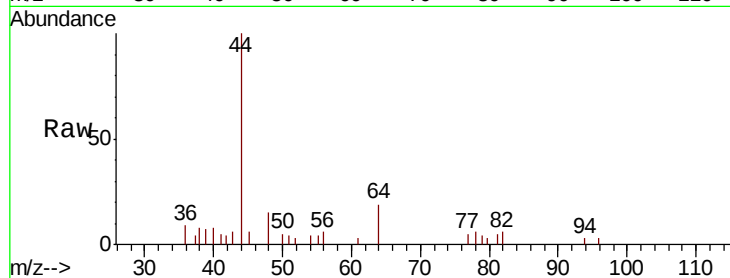
TB-2018.10.25

Tot Ion: 56 Resp: 162

Ion Ratio Lower Upper

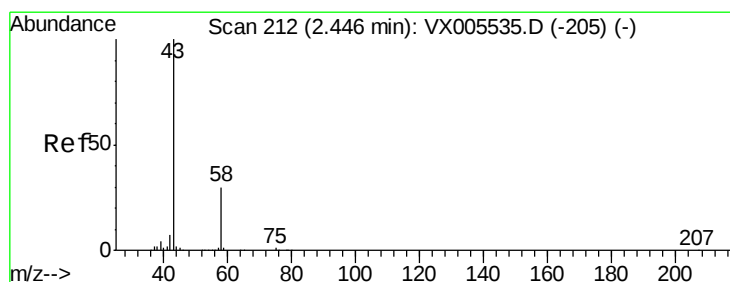
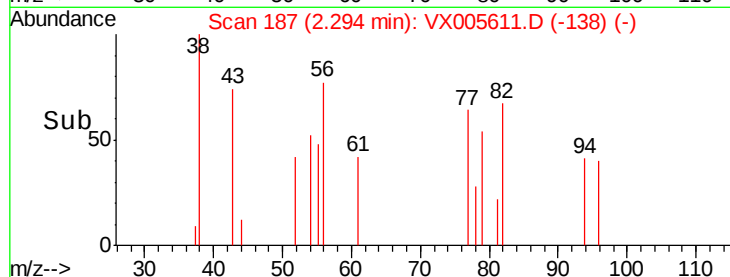
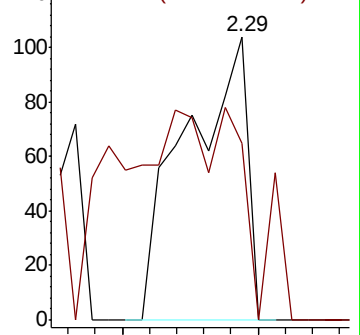
56 100

55 90.7 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: 1.161 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005611.D

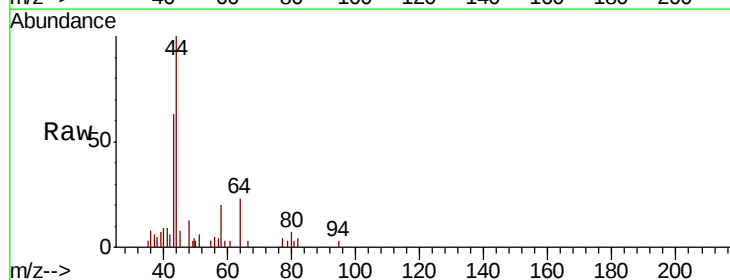
Acq: 26 Oct 2018 18:02

Tgt Ion: 43 Resp: 1881

Ion Ratio Lower Upper

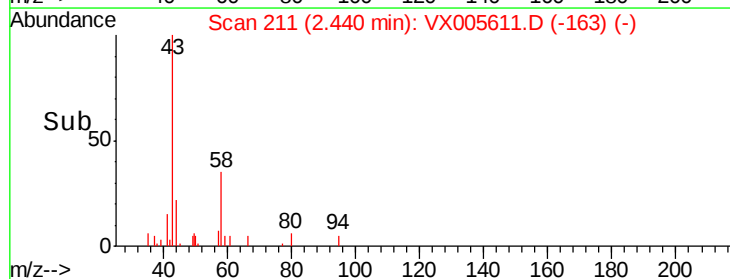
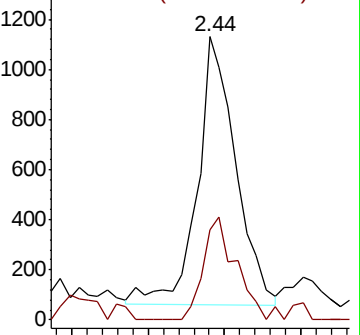
43 100

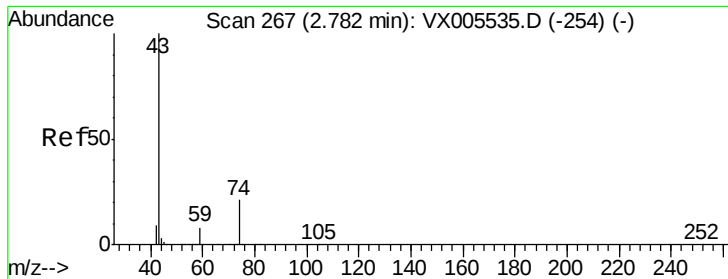
58 29.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

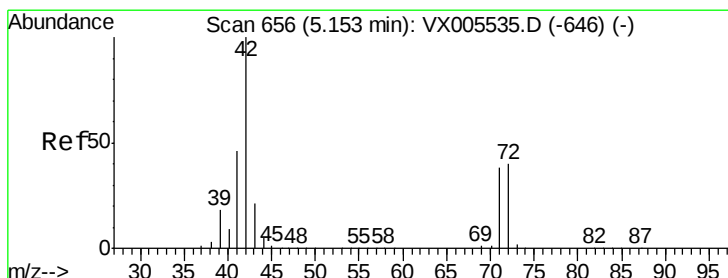
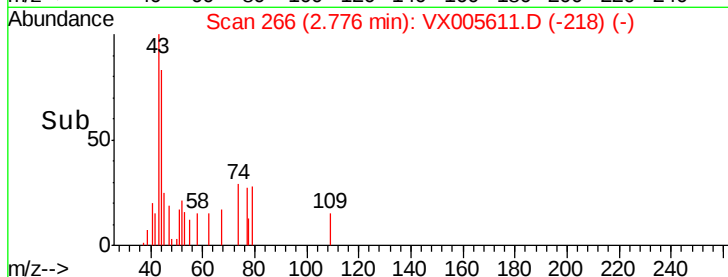
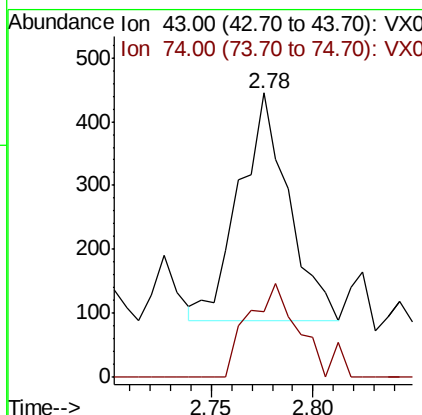
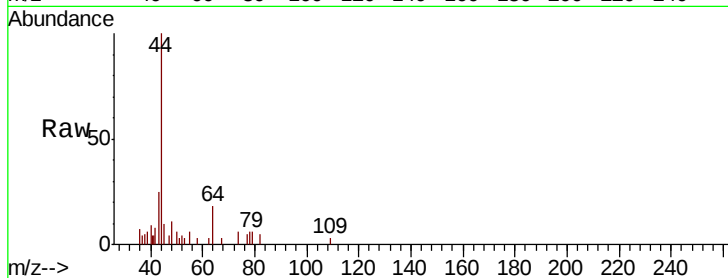




#18
Methvl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

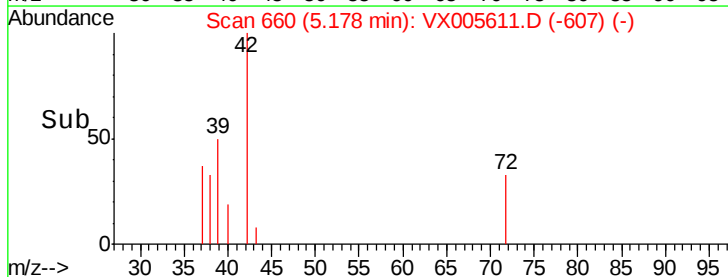
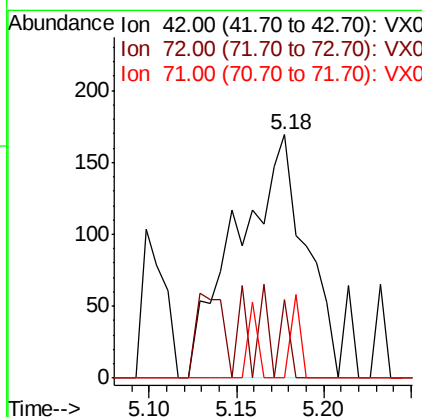
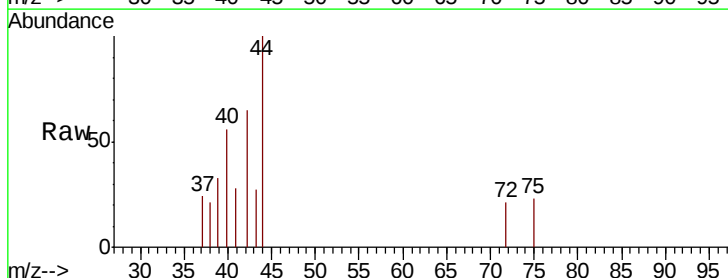
Instrument :
MSVOA_X
ClientSampleId :
TB-2018.10.25

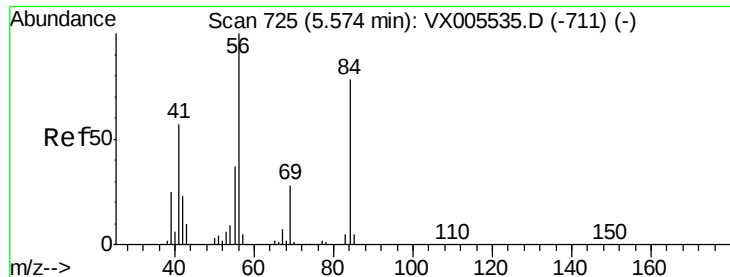
Tot Ion: 43 Resp: 600
Ion Ratio Lower Upper
43 100
74 43.0 16.8 25.2#



#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

Tgt Ion: 42 Resp: 458
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 4.6 29.8 44.8#

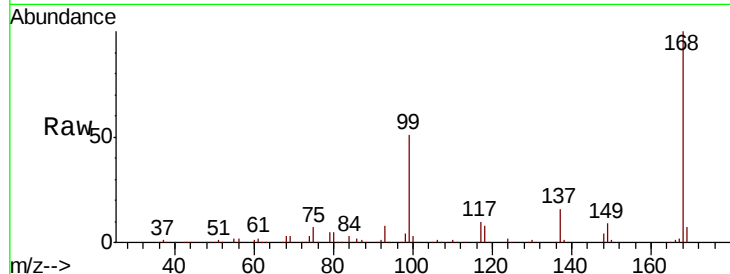




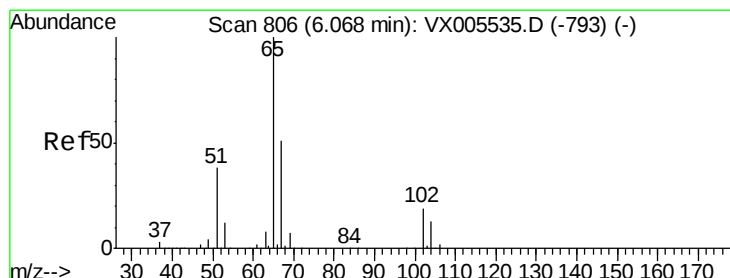
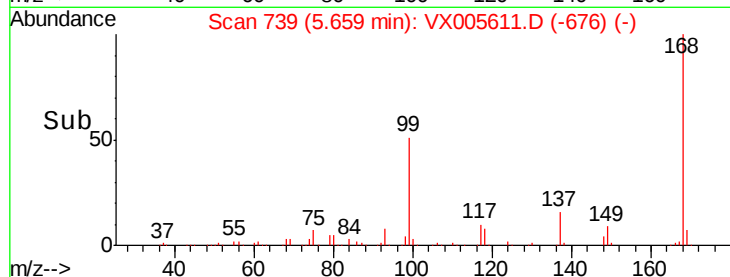
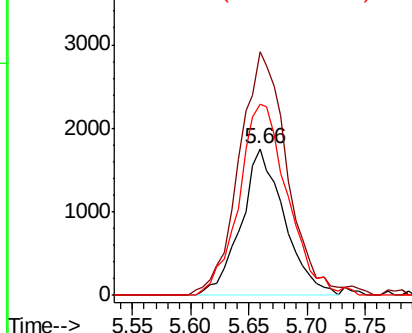
#31
Cyclohexane
Concen: 1.101 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
TB-2018.10.25

Tot Ion: 56 Resp: 4550
Ion Ratio Lower Upper
56 100
69 165.9 22.6 34.0#
84 130.3 62.7 94.1#

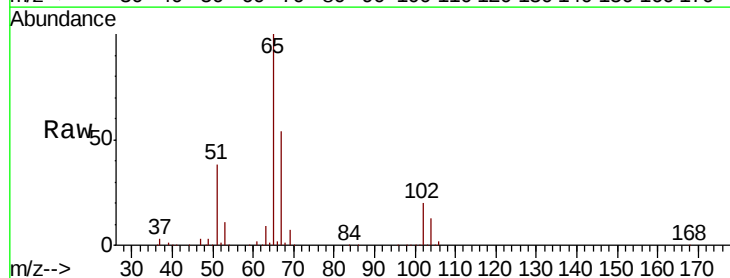


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

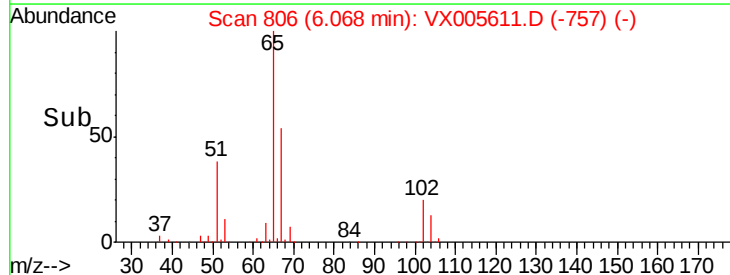
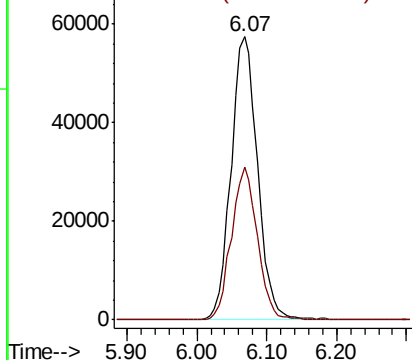


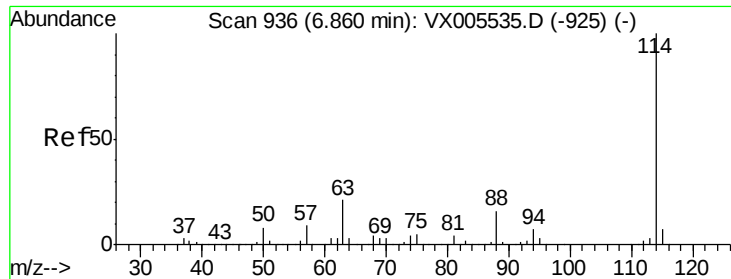
#33
1,2-Dichloroethane-d4
Concen: 49.320 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

Tgt Ion: 65 Resp: 151191
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.0



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

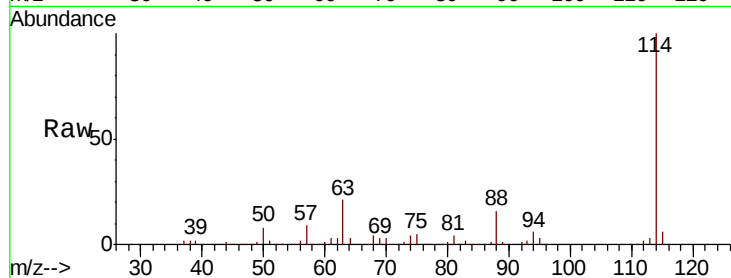




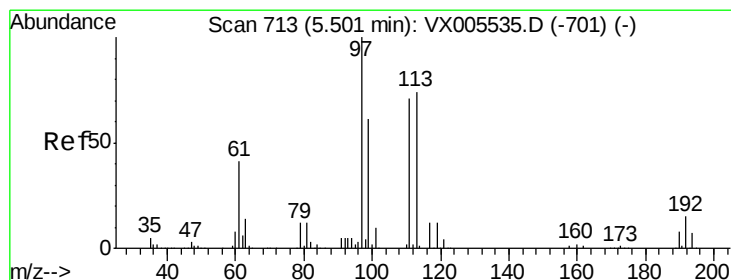
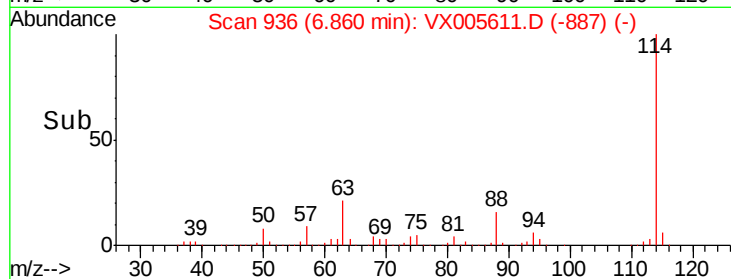
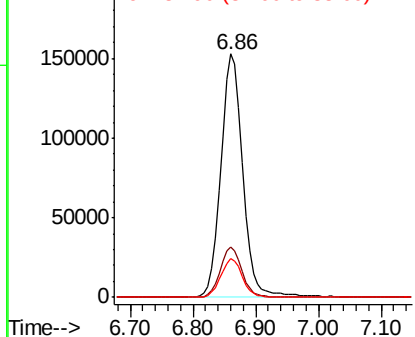
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
TB-2018.10.25

Tot Ion:114 Resp: 371128
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.8
88 16.0 0.0 31.2

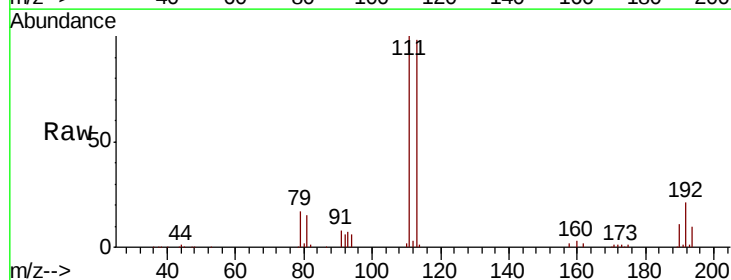


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

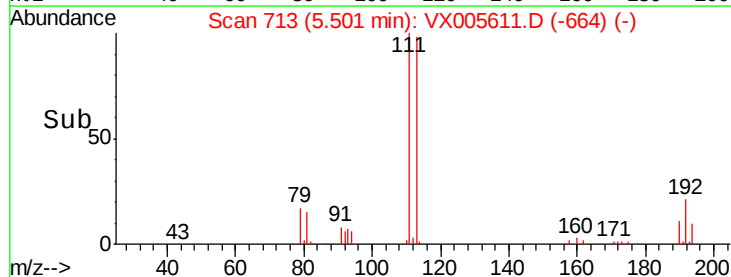
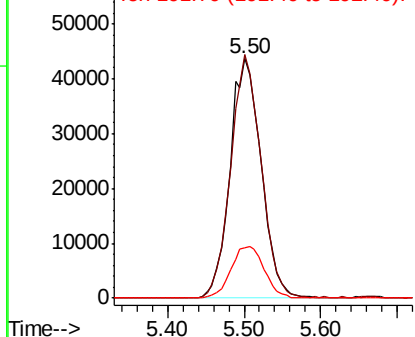


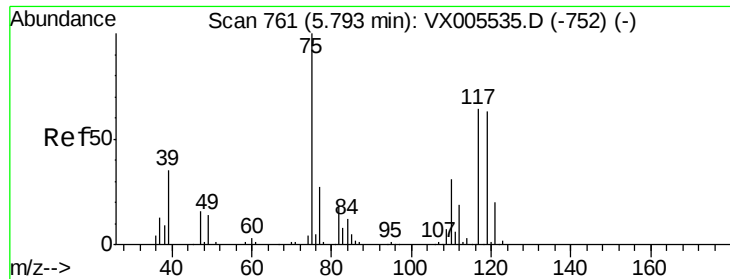
#35
Dibromofluoromethane
Concen: 49.063 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

Tgt Ion:113 Resp: 123294
Ion Ratio Lower Upper
113 100
111 98.7 82.3 123.5
192 22.9 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: 4.661 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005611.D

Acq: 26 Oct 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

TB-2018.10.25

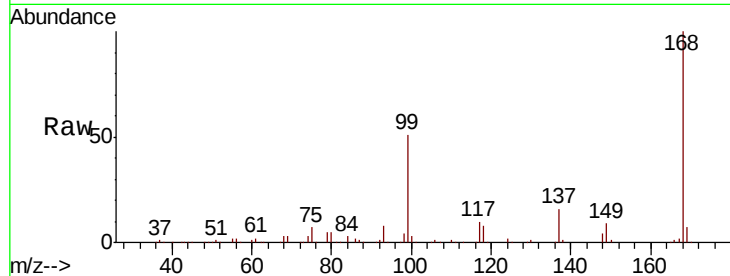
Tot Ion: 75 Resp: 16786

Ion Ratio Lower Upper

75 100

110 10.1 17.4 52.2#

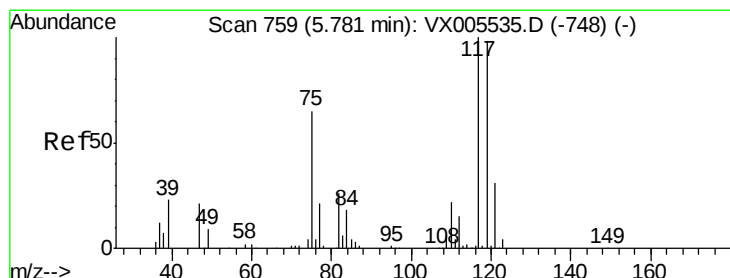
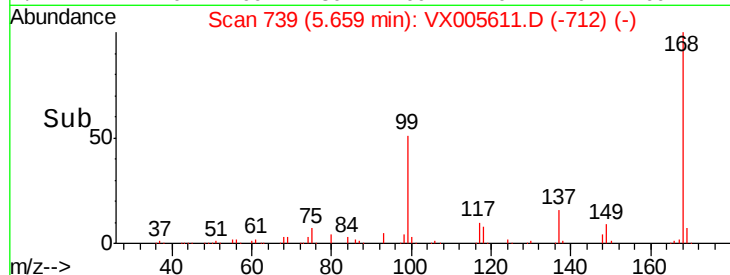
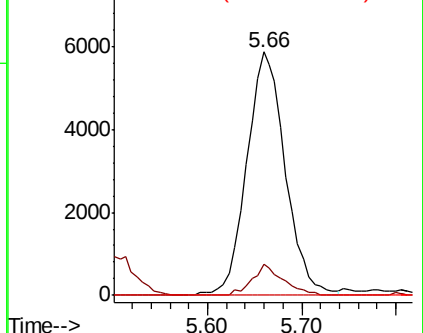
77 0.0 25.8 38.6#



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: 5.913 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005611.D

Acq: 26 Oct 2018 18:02

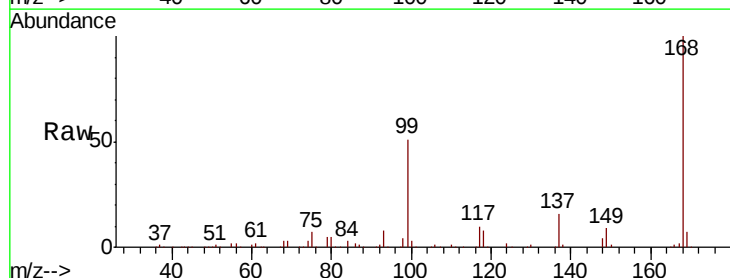
Tgt Ion:117 Resp: 22432

Ion Ratio Lower Upper

117 100

119 4.7 78.1 117.1#

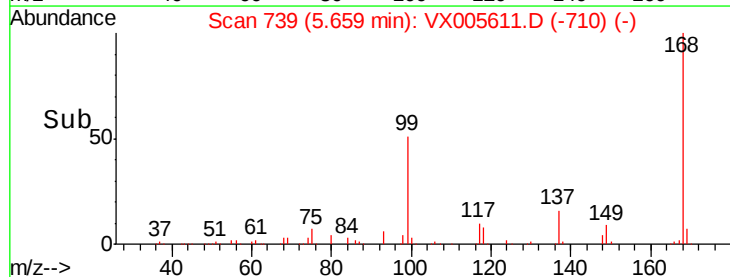
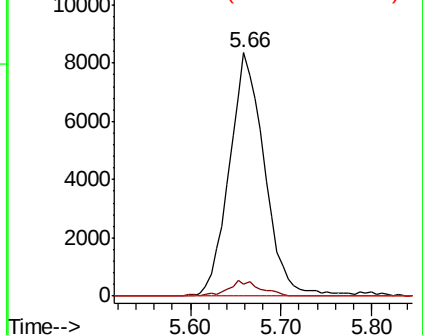
121 0.0 24.6 36.8#

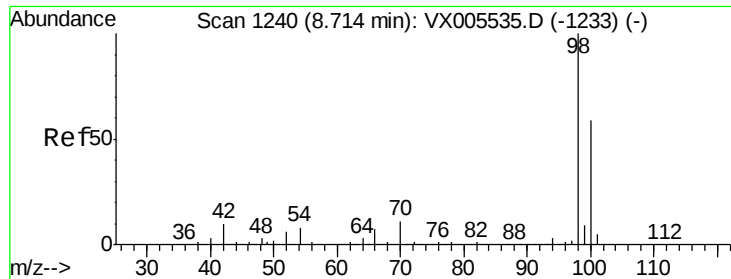


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

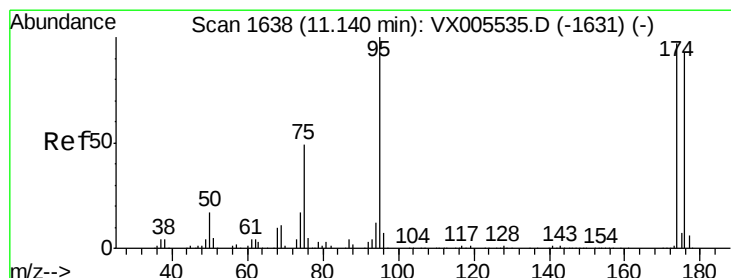
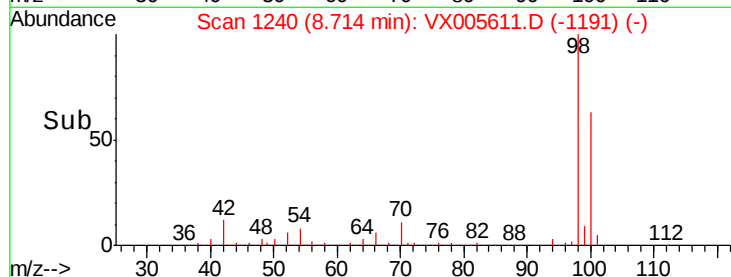
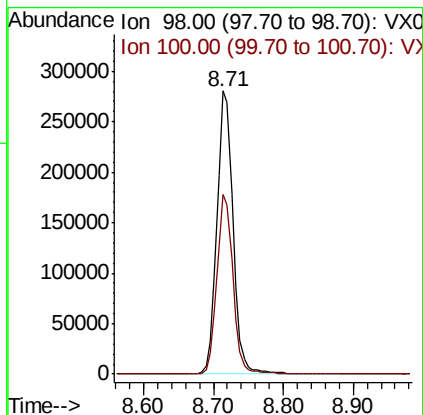
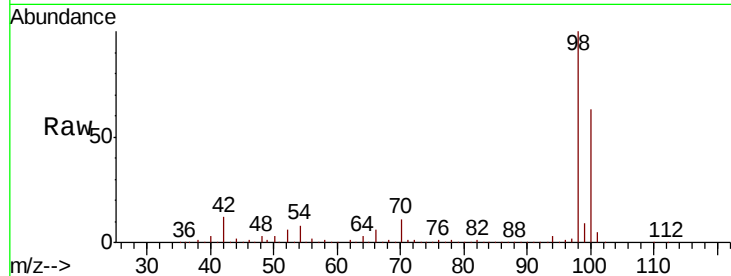




#50
Toluene-d8
Concen: 49.992 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

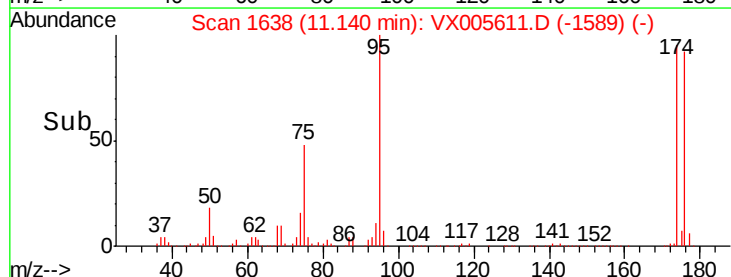
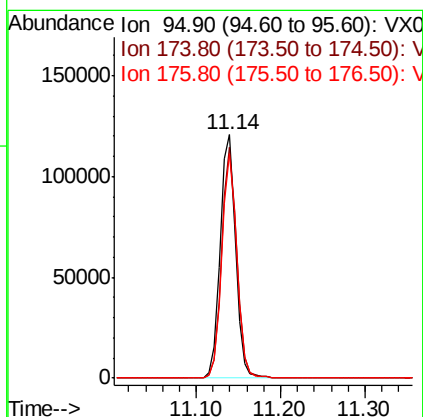
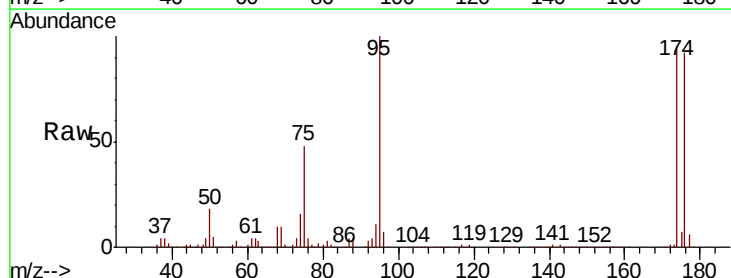
Instrument :
MSVOA_X
ClientSampleId :
TB-2018.10.25

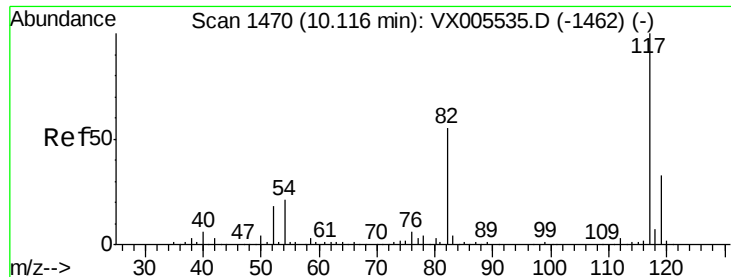
Tot Ion: 98 Resp: 451408
Ion Ratio Lower Upper
98 100
100 63.3 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 45.233 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

Tgt Ion: 95 Resp: 154246
Ion Ratio Lower Upper
95 100
174 92.9 0.0 184.4
176 90.1 0.0 177.4

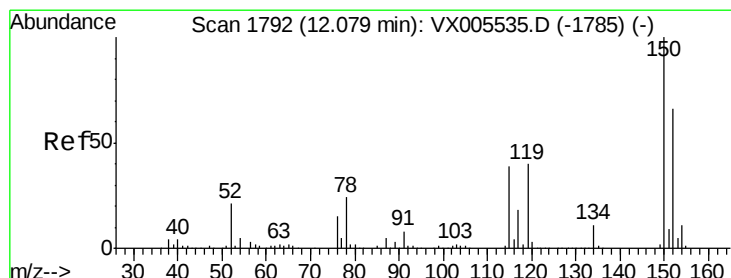
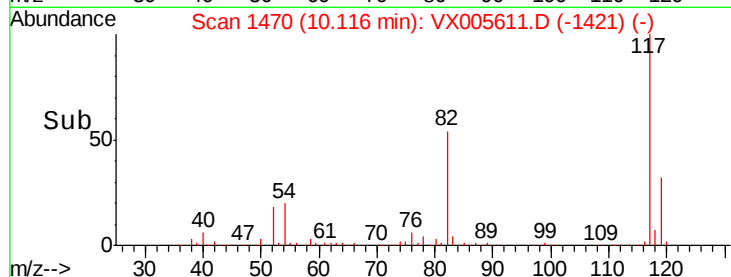
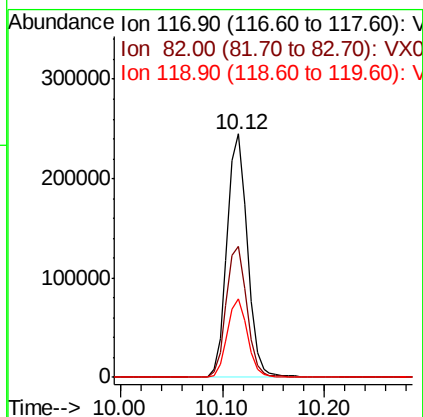
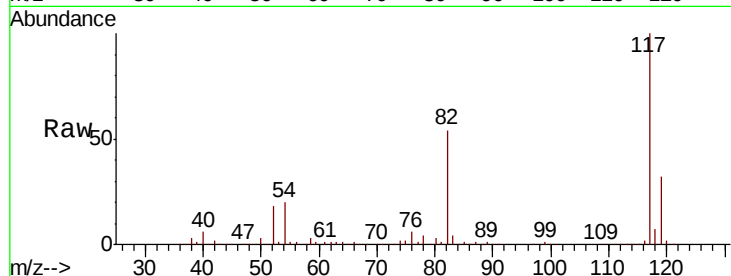




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

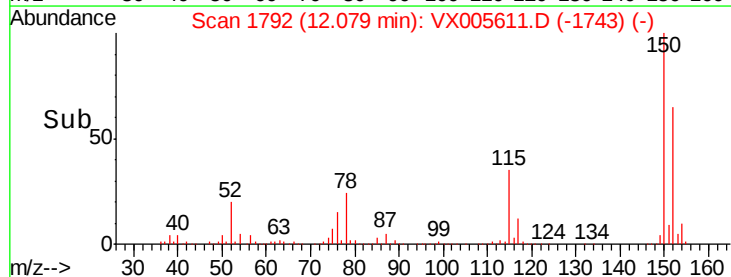
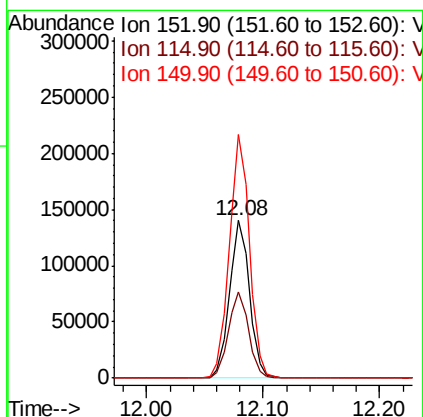
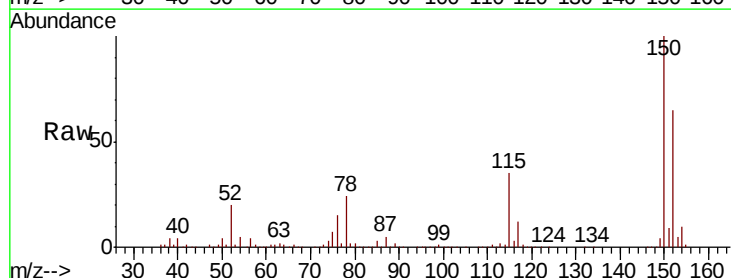
Instrument :
MSVOA_X
ClientSampleId :
TB-2018.10.25

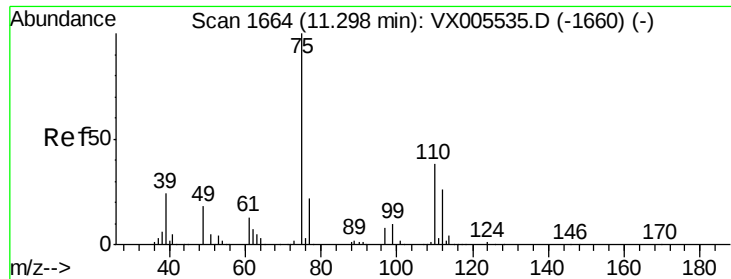
Tot Ion:117 Resp: 339763
Ion Ratio Lower Upper
117 100
82 53.8 44.1 66.1
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005611.D
Acq: 26 Oct 2018 18:02

Tgt Ion:152 Resp: 166839
Ion Ratio Lower Upper
152 100
115 55.3 39.4 118.1
150 156.0 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 21.557 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005611.D

Acq: 26 Oct 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

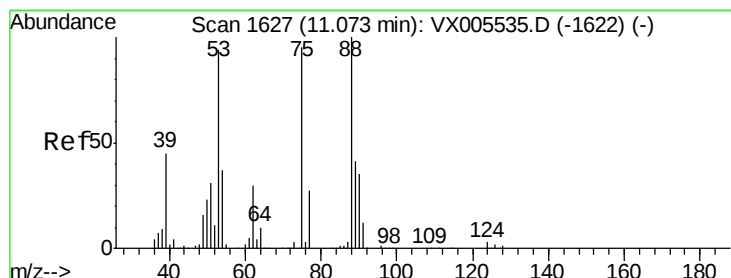
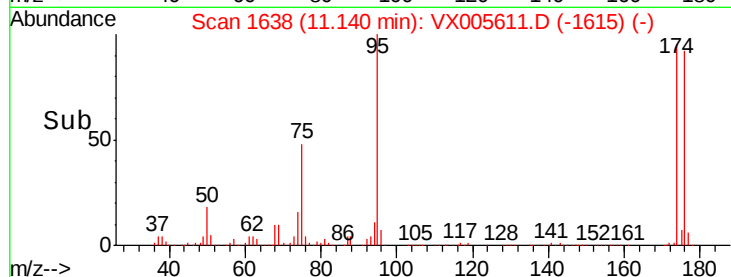
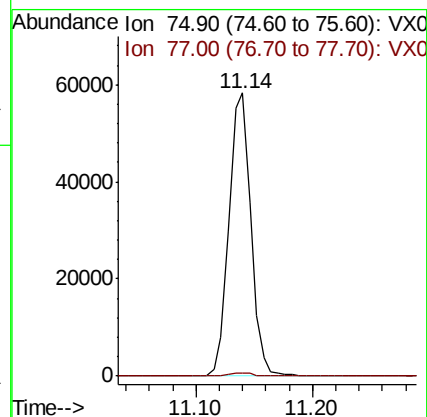
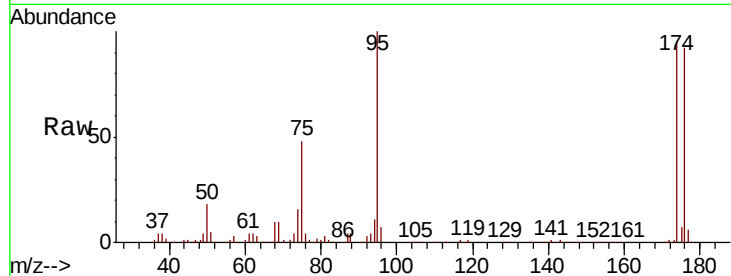
TB-2018.10.25

Tot Ion: 75 Resp: 76204

Ion Ratio Lower Upper

75 100

77 1.3 20.5 61.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.440 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005611.D

Acq: 26 Oct 2018 18:02

Tgt Ion: 75 Resp: 76204

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#

