

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004517.D
 Acq On : 13 Sep 2018 15:41
 Operator : JC/MD
 Sample : J4892-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Sep 14 03:54:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178452	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	165778	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	5.51	113	150349	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	8.71	98	501619	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.14	95	166810	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	

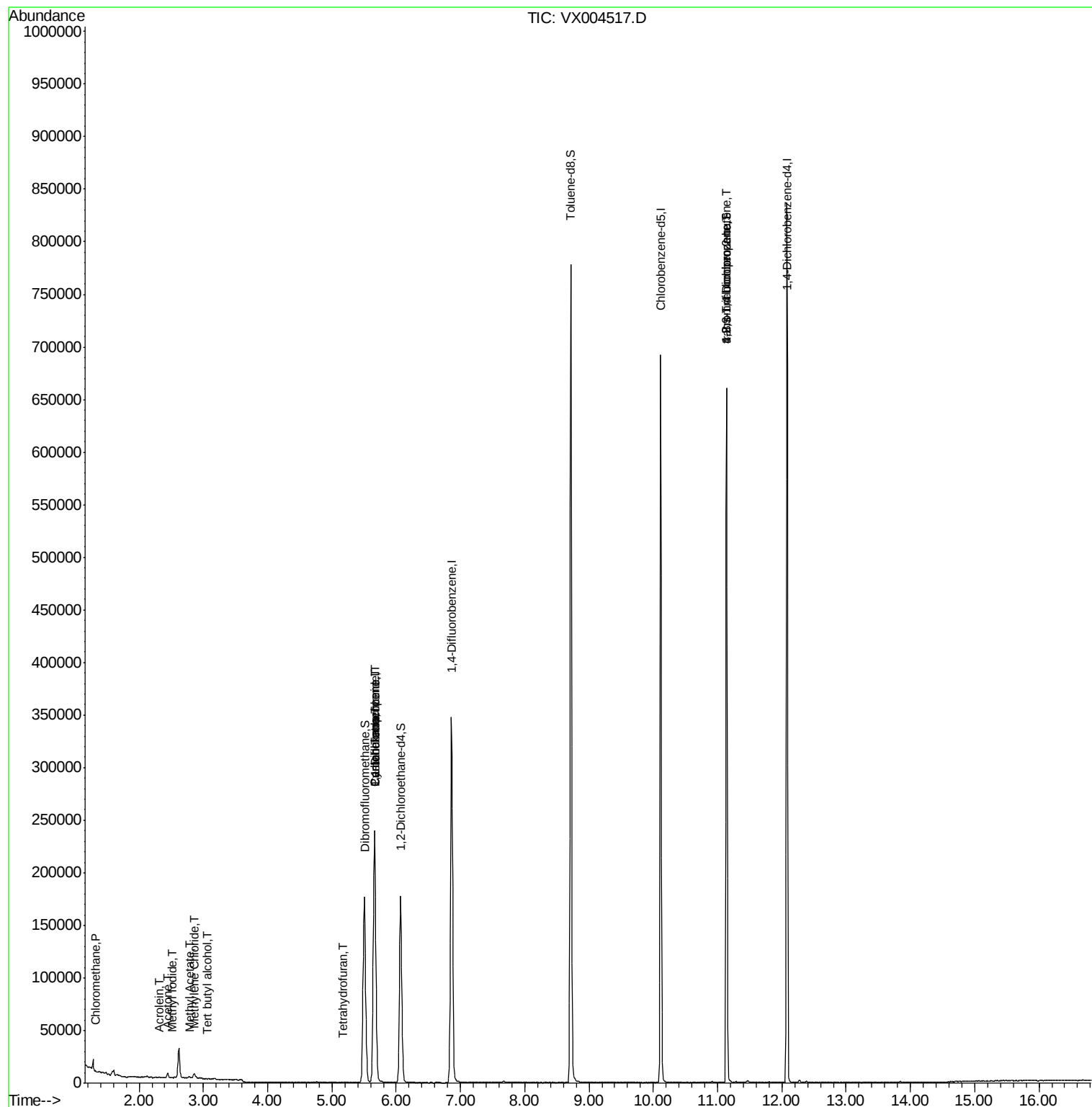
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	708	0.22	ug/l	# 88
5) Bromomethane	1.65	94	801	Below	Cal	89
10) Methyl Iodide	2.52	142	373	4.36	ug/l	# 75
11) Tert butyl alcohol	3.06	59	172	0.23	ug/l	# 72
13) Acrolein	2.31	56	180	0.60	ug/l	# 38
16) Acetone	2.45	43	4623	2.99	ug/l	# 80
18) Methyl Acetate	2.78	43	977	0.23	ug/l	97
20) Methylene Chloride	2.85	84	2036	0.64	ug/l	# 94
29) Tetrahydrofuran	5.17	42	367	0.25	ug/l	# 43
31) Cyclohexane	5.66	56	4030	0.88	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	16013	3.82	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	21057	5.14	ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	79086	22.03	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	79086	70.21	ug/l	# 10

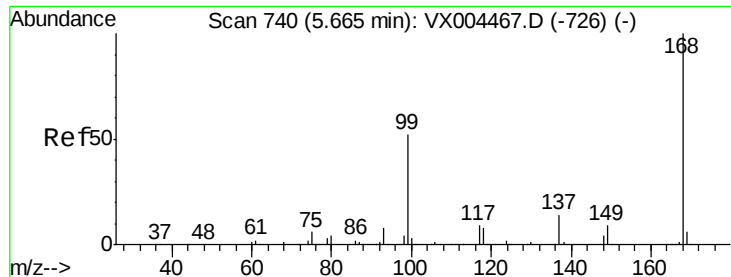
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004517.D

Acq: 13 Sep 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

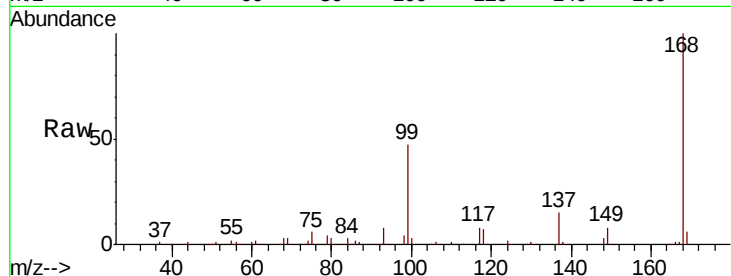
TB

Tot Ion:168 Resp: 245423

Ion Ratio Lower Upper

168 100

99 47.1 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

100000

80000

60000

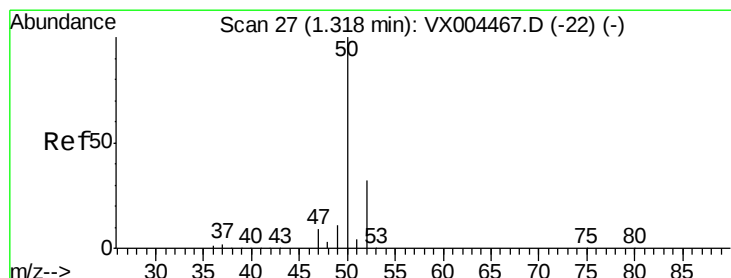
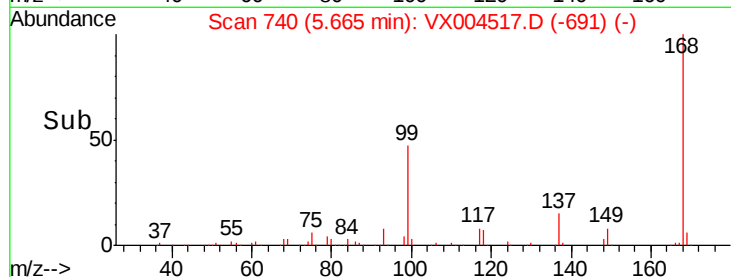
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004517.D

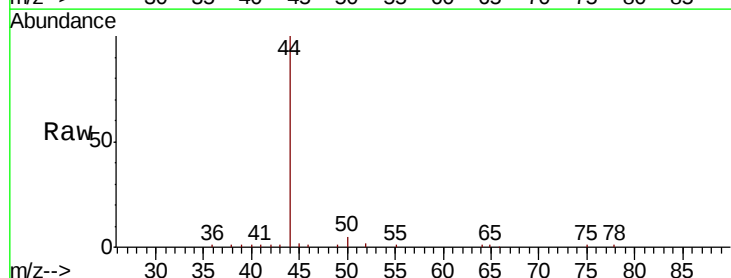
Acq: 13 Sep 2018 15:41

Tgt Ion: 50 Resp: 708

Ion Ratio Lower Upper

50 100

52 39.6 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

500

400

300

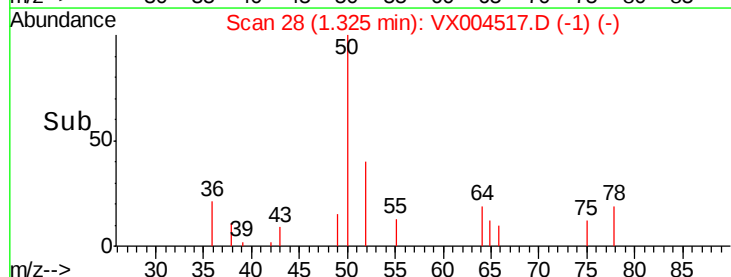
200

100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004517.D

Acq: 13 Sep 2018 15:41

Instrument :

MSVOA_X

ClientSampled :

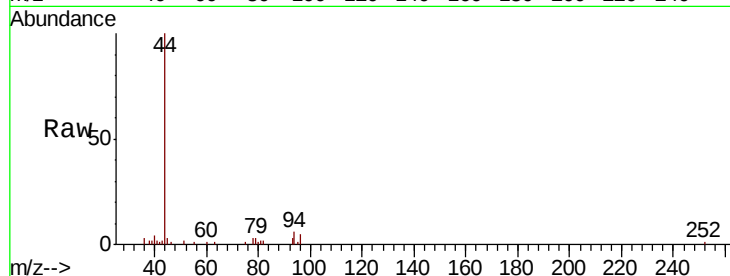
TB

Tot Ion: 94 Resp: 801

Ion Ratio Lower Upper

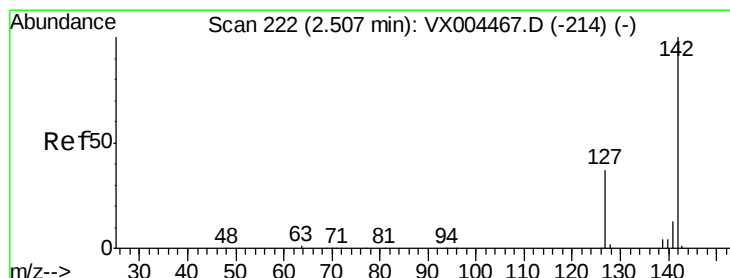
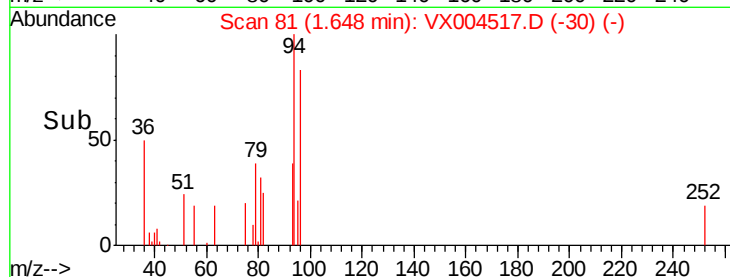
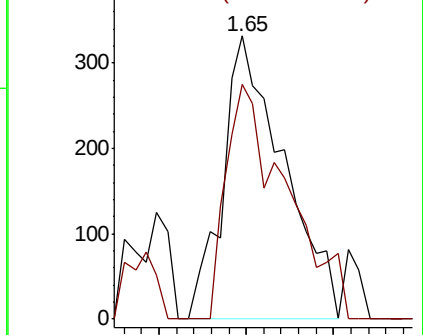
94 100

96 82.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.36 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004517.D

Acq: 13 Sep 2018 15:41

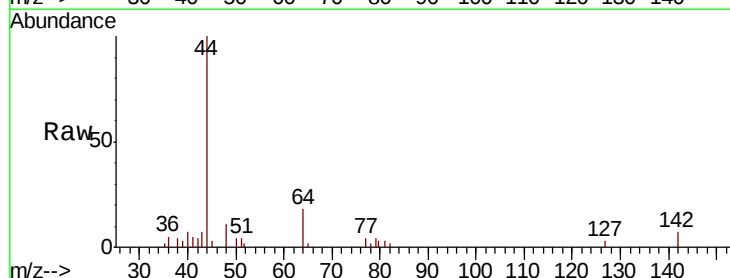
Tgt Ion: 142 Resp: 373

Ion Ratio Lower Upper

142 100

127 28.2 33.8 50.6#

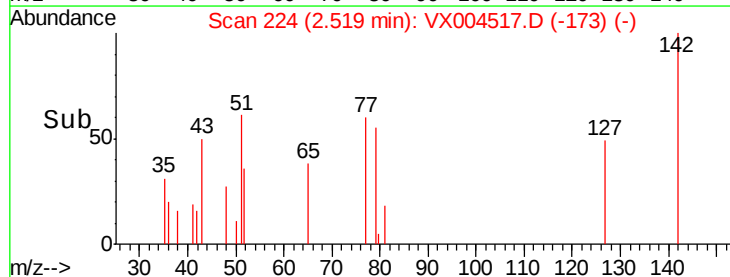
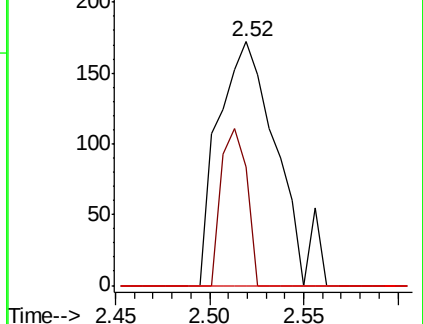
141 0.0 11.4 17.0#

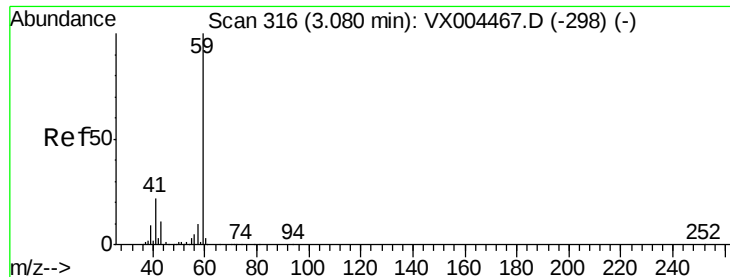


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



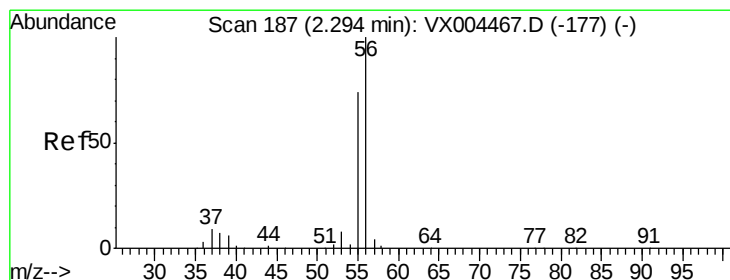
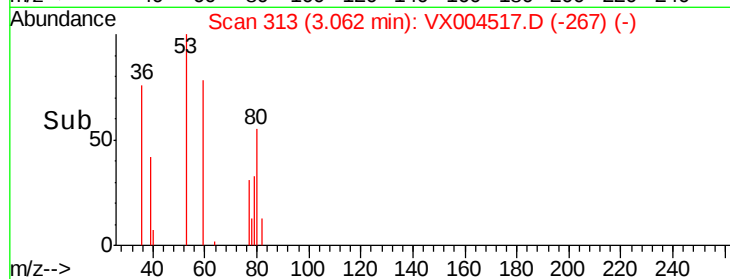
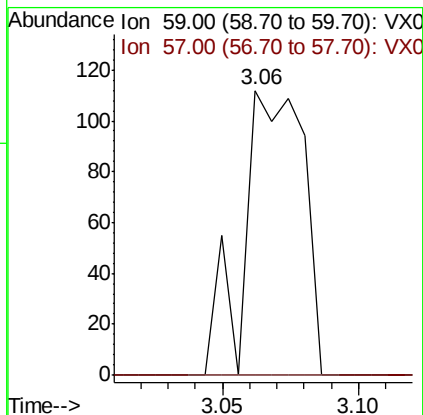
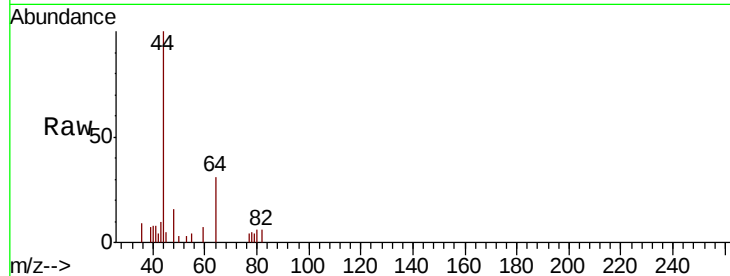


#11

Tert butvl alcohol
 Concen: 0.23 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX004517.D
 Acq: 13 Sep 2018 15:41

Instrument :
 MSVOA_X
 ClientSampled :
 TB

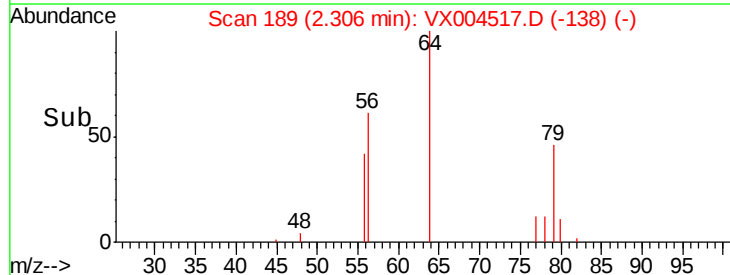
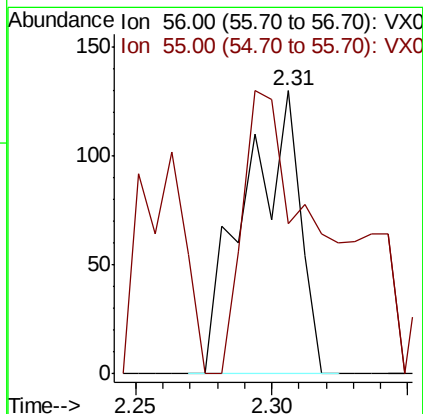
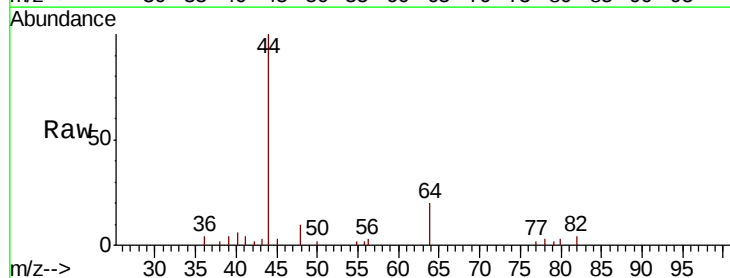
Tot Ion: 59 Resp: 172
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

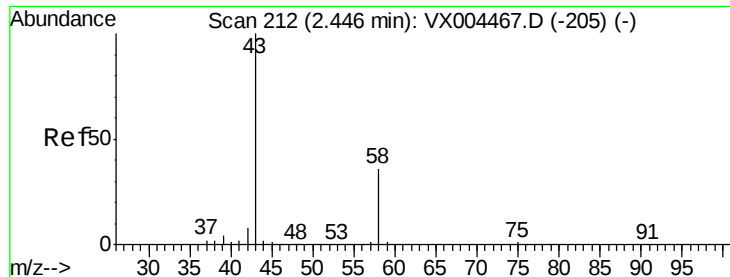


#13

Acrolein
 Concen: 0.60 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX004517.D
 Acq: 13 Sep 2018 15:41

Tgt Ion: 56 Resp: 180
 Ion Ratio Lower Upper
 56 100
 55 118.3 54.7 82.1#





#16

Acetone

Concen: 2.99 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004517.D

Acq: 13 Sep 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

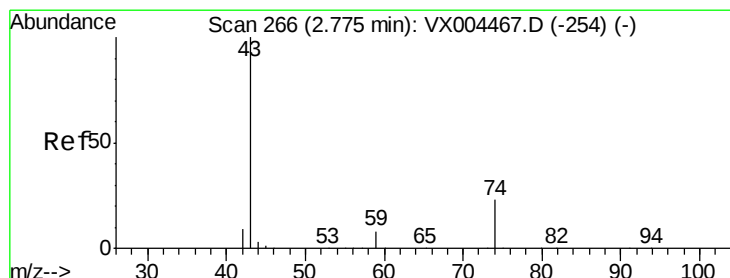
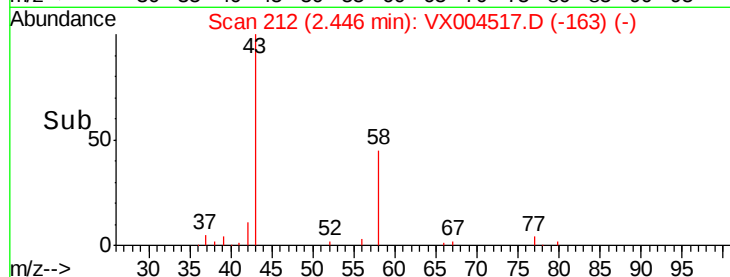
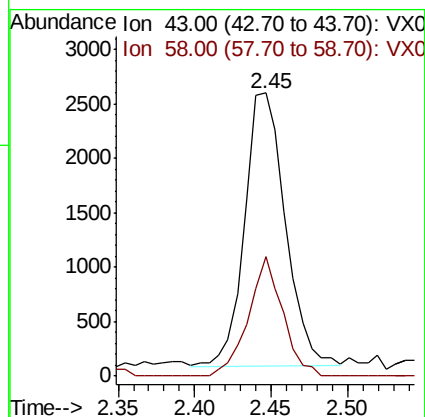
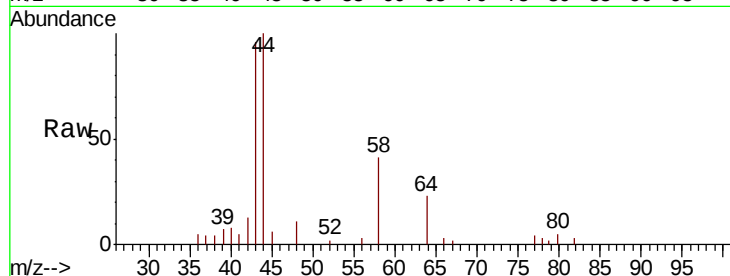
TB

Tot Ion: 43 Resp: 4623

Ion Ratio Lower Upper

43 100

58 44.0 26.2 39.4#



#18

Methyl Acetate

Concen: 0.23 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX004517.D

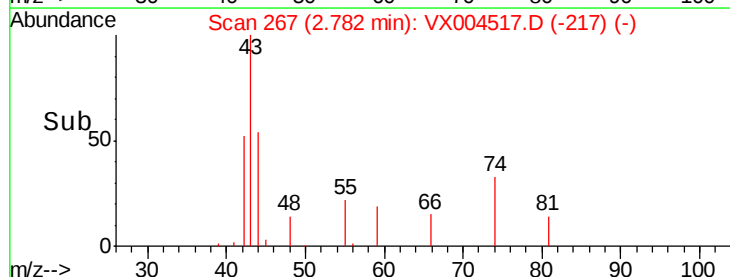
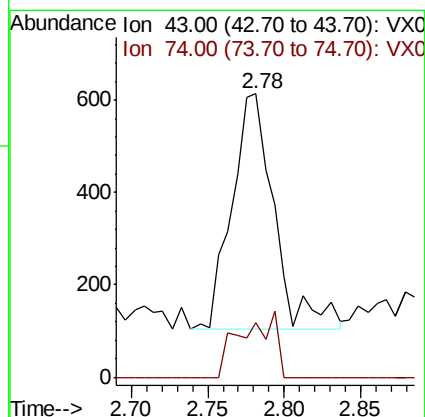
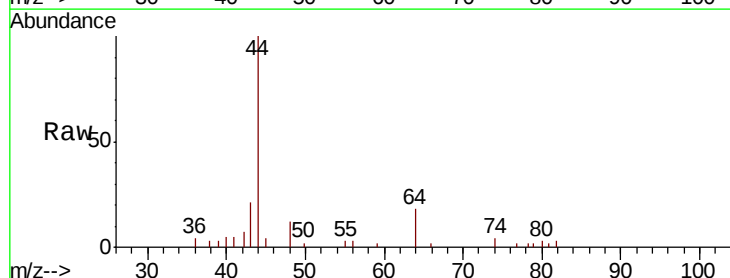
Acq: 13 Sep 2018 15:41

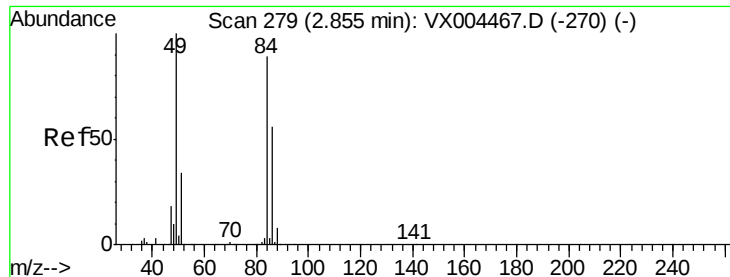
Tgt Ion: 43 Resp: 977

Ion Ratio Lower Upper

43 100

74 23.0 19.4 29.2

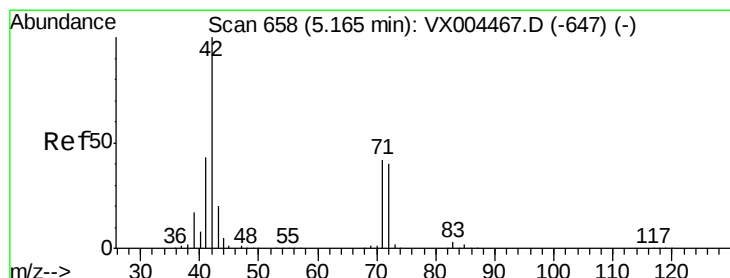
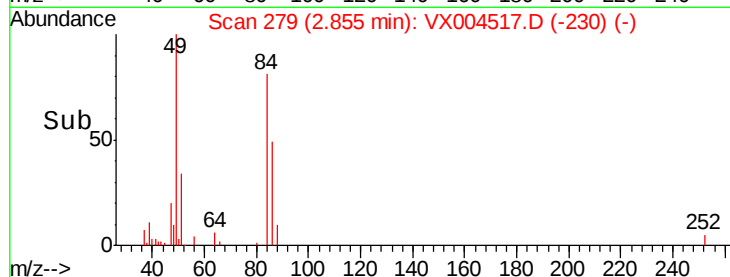
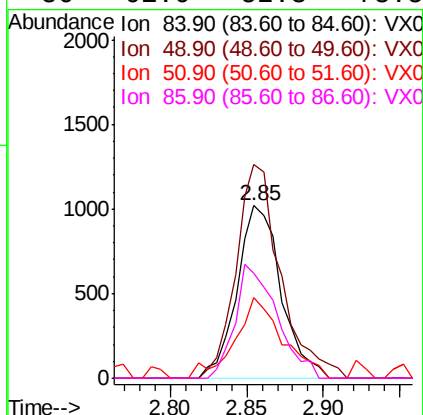
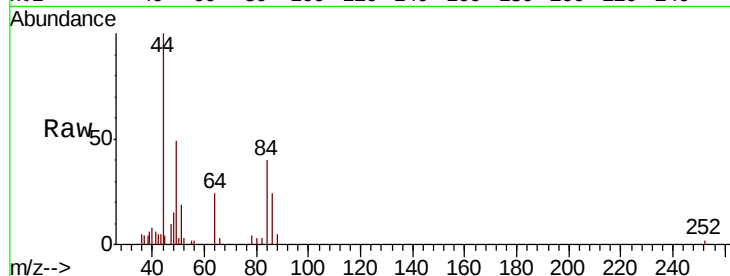




#20
Methvlene Chloride
Concen: 0.64 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004517.D
Acq: 13 Sep 2018 15:41

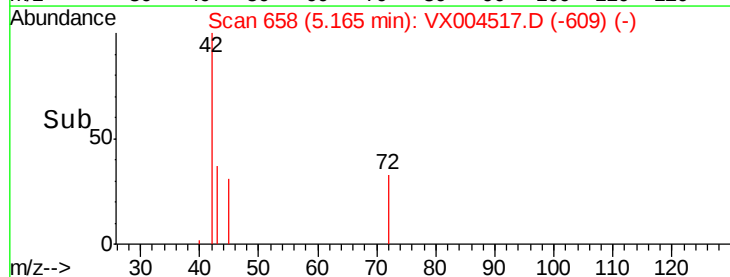
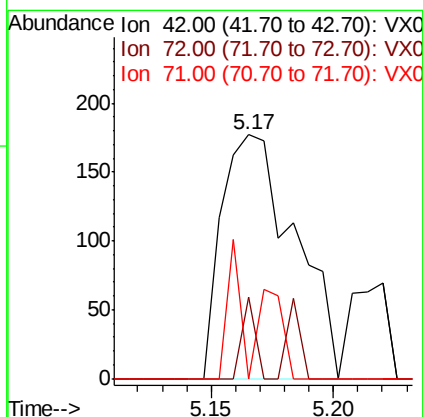
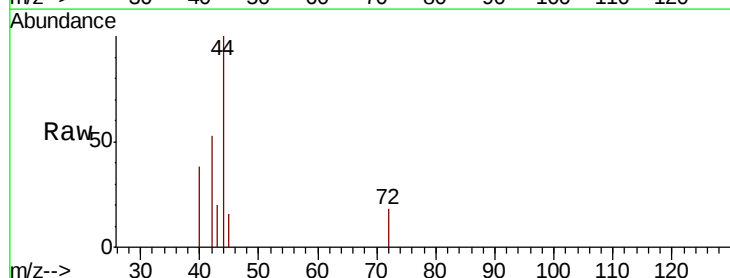
Instrument :
MSVOA_X
ClientSampleId :
TB

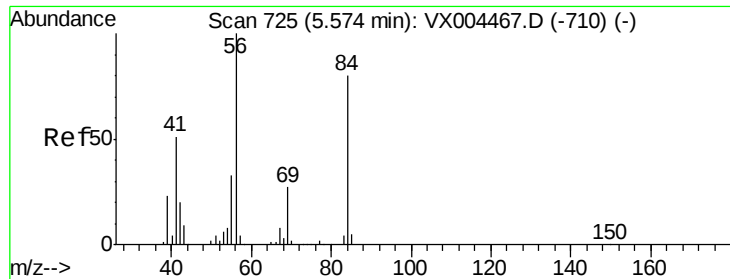
Tot Ion: 84 Resp: 2036
Ion Ratio Lower Upper
84 100
49 123.7 101.2 151.8
51 47.1 29.5 44.3#
86 61.0 52.3 78.5



#29
Tetrahydrofuran
Concen: 0.25 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX004517.D
Acq: 13 Sep 2018 15:41

Tgt Ion: 42 Resp: 367
Ion Ratio Lower Upper
42 100
72 6.0 37.4 56.0#
71 10.1 34.5 51.7#

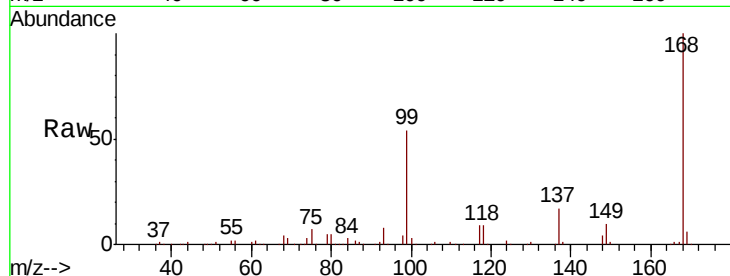




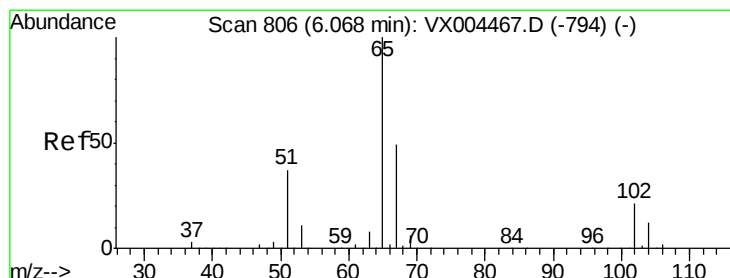
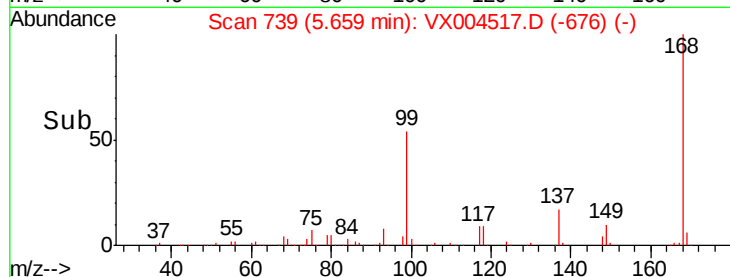
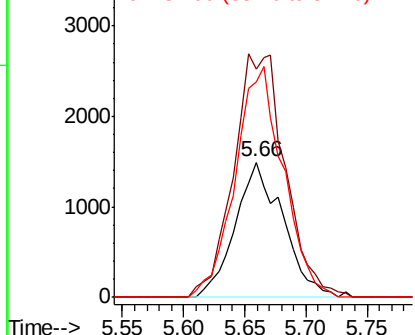
#31
Cyclohexane
Concen: 0.88 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004517.D
Acq: 13 Sep 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
TB

Tot Ion: 56 Resp: 4030
Ion Ratio Lower Upper
56 100
69 169.6 25.4 38.2#
84 160.2 71.4 107.2#

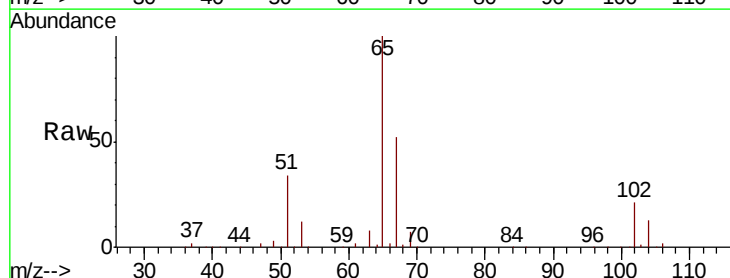


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

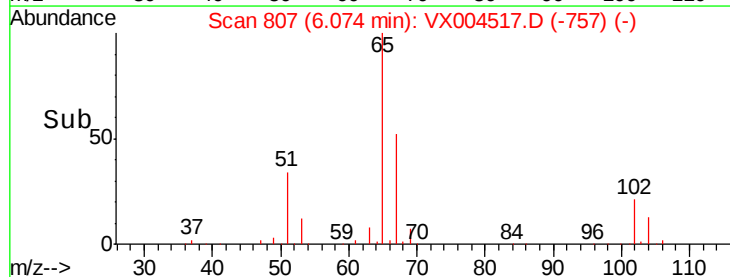
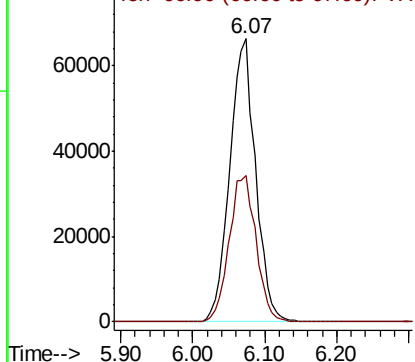


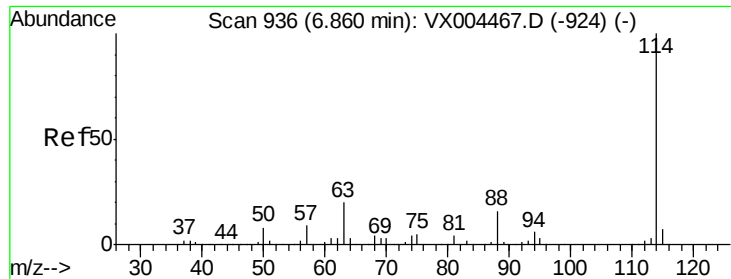
#33
1,2-Dichloroethane-d4
Concen: 52.39 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX004517.D
Acq: 13 Sep 2018 15:41

Tgt Ion: 65 Resp: 165778
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.8



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

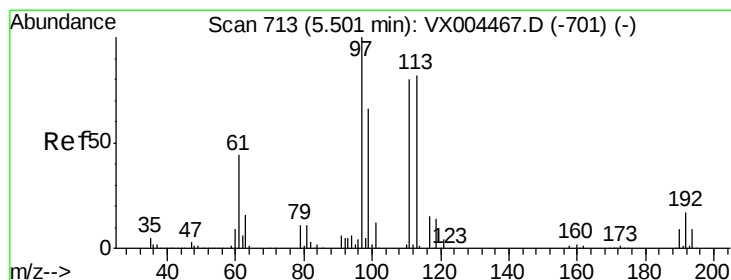
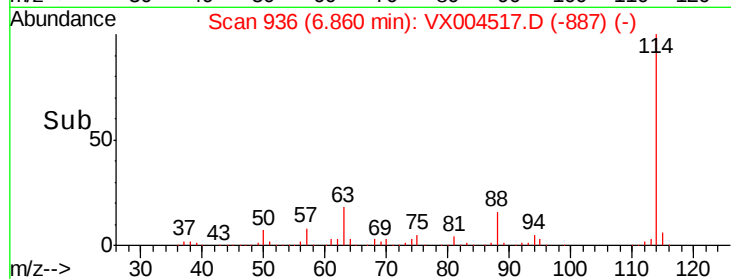
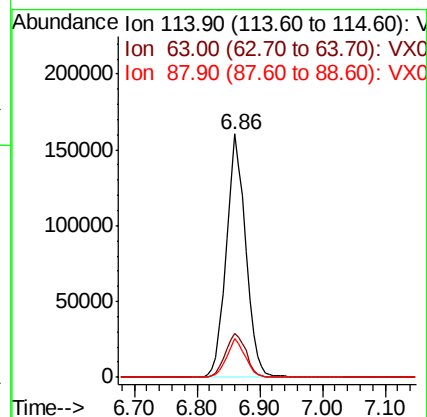
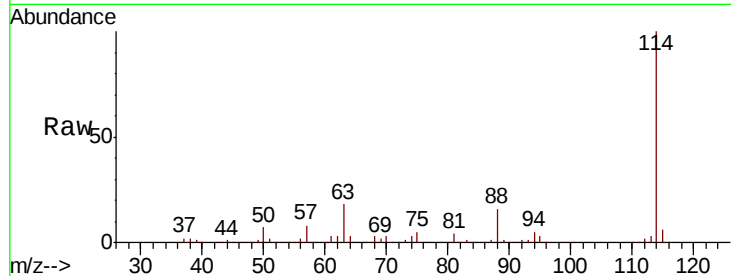




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004517.D
 Acq: 13 Sep 2018 15:41

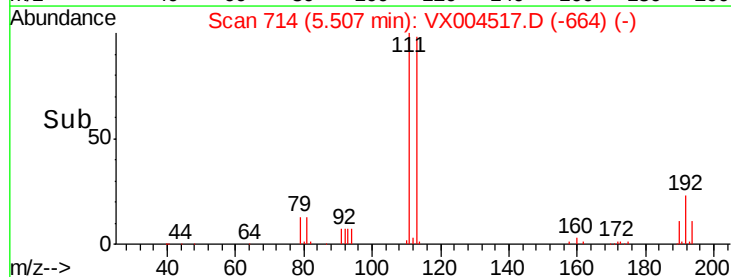
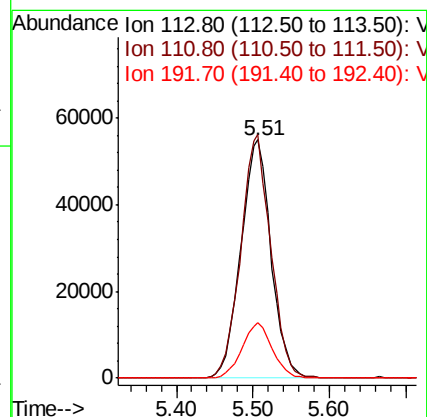
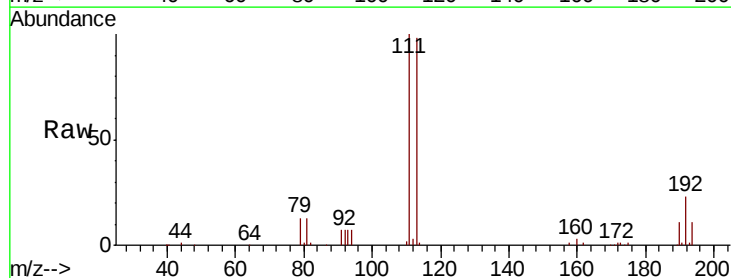
Instrument :
 MSVOA_X
 ClientSampleId :
 TB

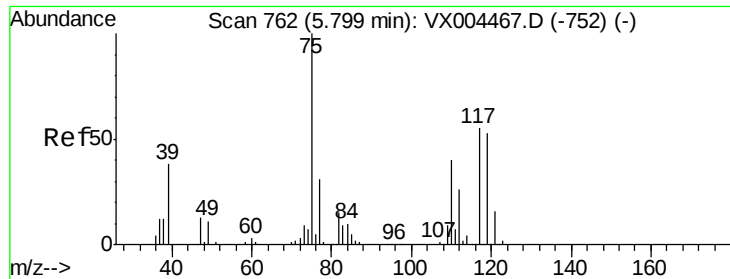
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	39.0
88	15.7	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 47.54 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004517.D
 Acq: 13 Sep 2018 15:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.4	123.6
192	23.1	19.4	29.2

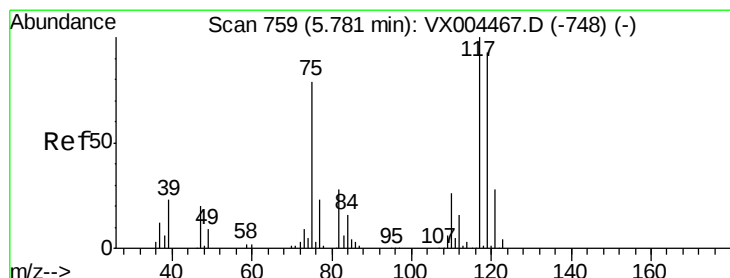
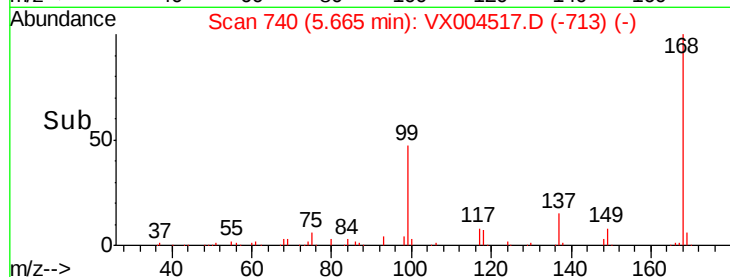
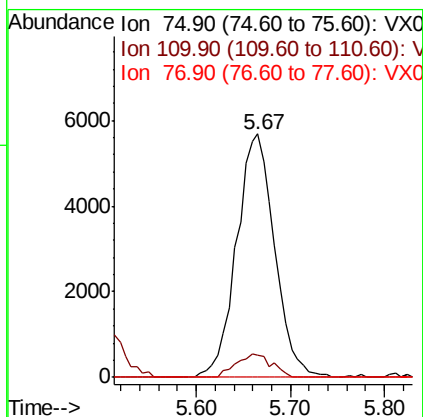
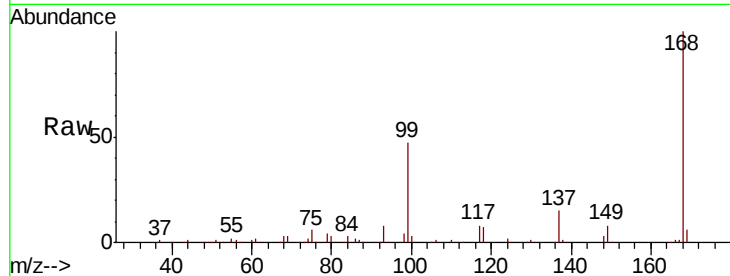




#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004517.D
 Acq: 13 Sep 2018 15:41

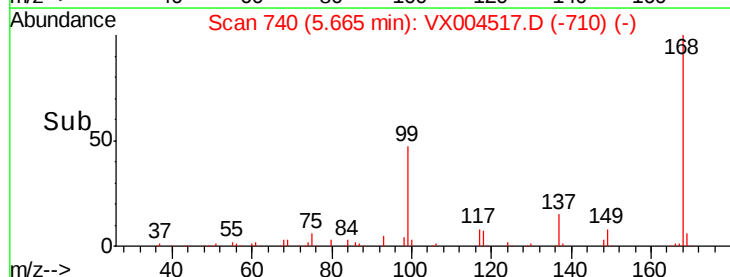
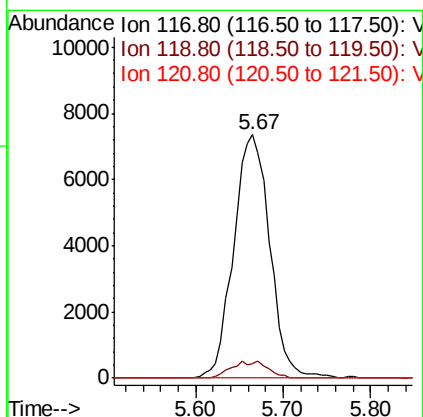
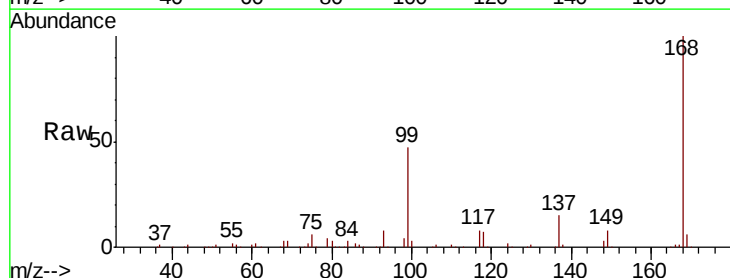
Instrument :
 MSVOA_X
 ClientSampleId :
 TB

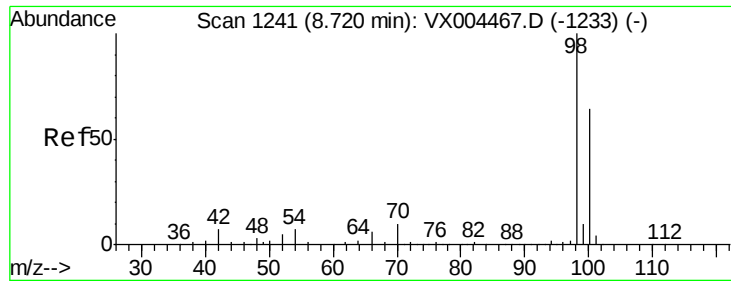
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.14 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004517.D
 Acq: 13 Sep 2018 15:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	78.8	118.2#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 47.30 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004517.D

Acq: 13 Sep 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

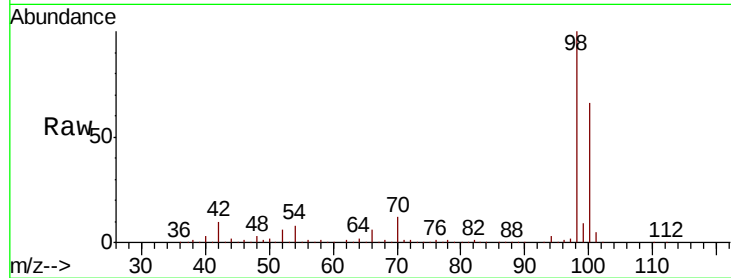
TB

Tot Ion: 98 Resp: 501619

Ion Ratio Lower Upper

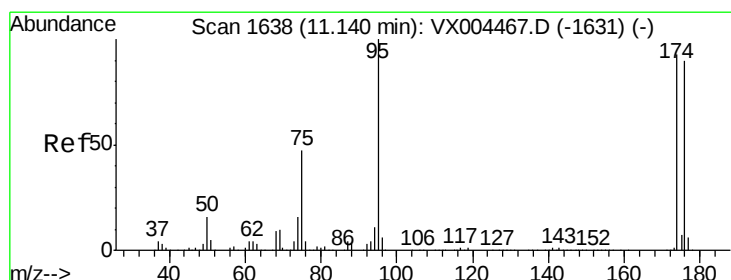
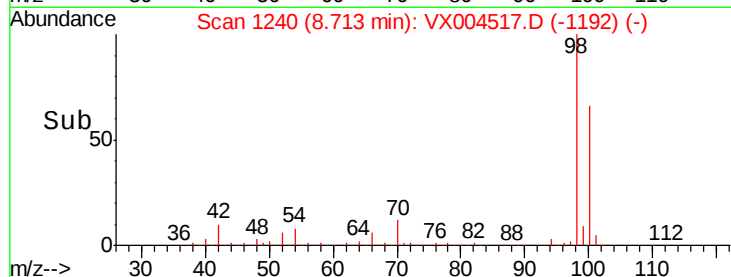
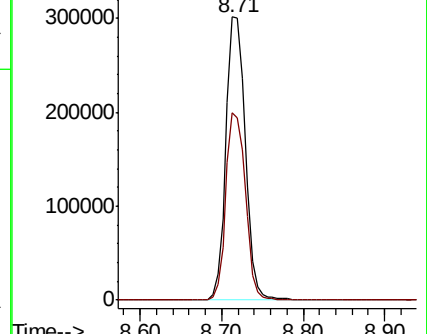
98 100

100 66.8 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: 44.06 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004517.D

Acq: 13 Sep 2018 15:41

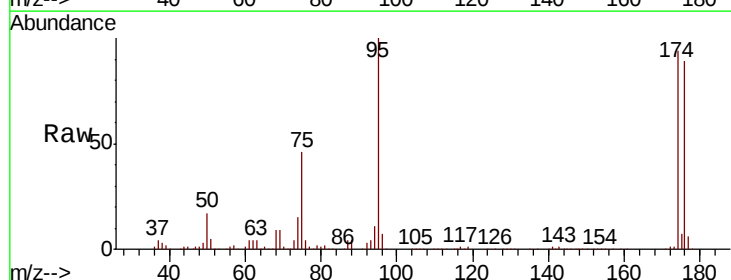
Tgt Ion: 95 Resp: 166810

Ion Ratio Lower Upper

95 100

174 94.0 0.0 185.2

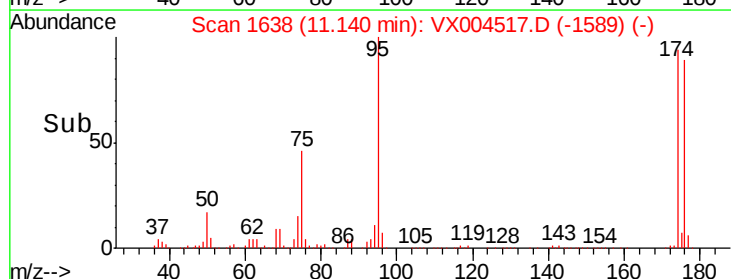
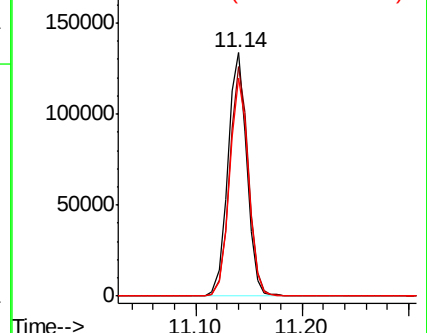
176 89.4 0.0 178.6

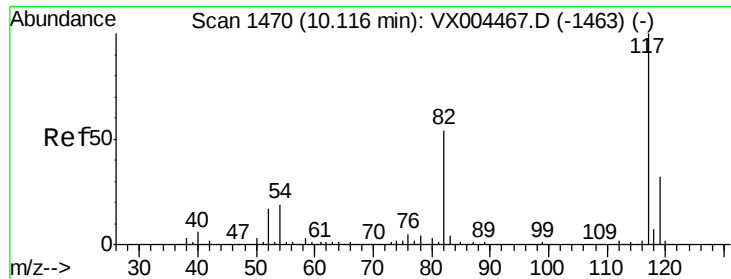


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

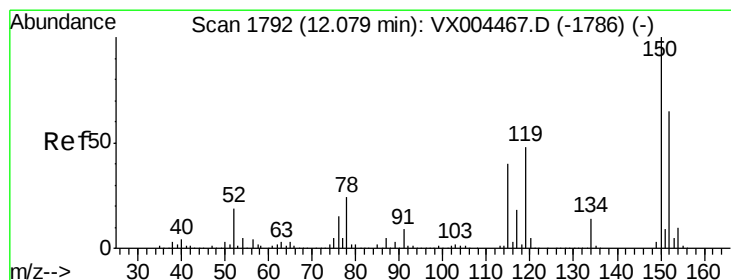
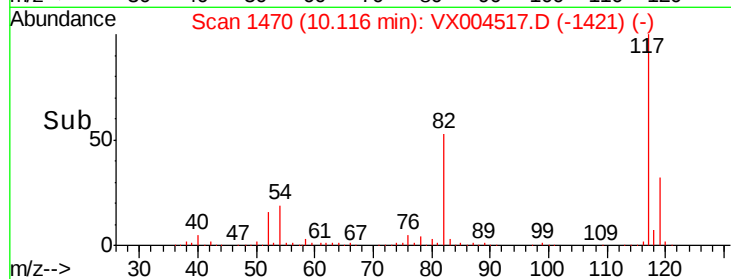
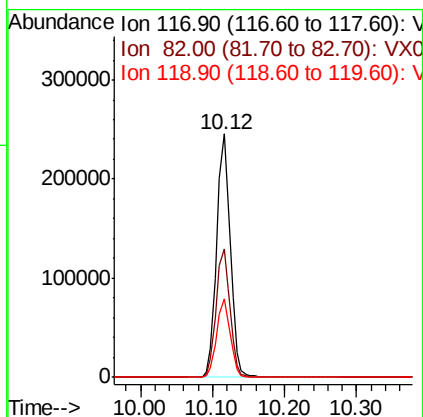
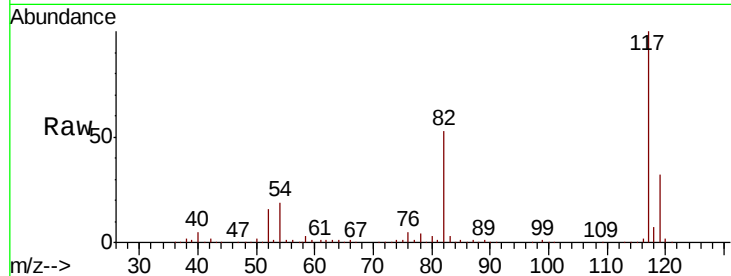




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004517.D
Acq: 13 Sep 2018 15:41

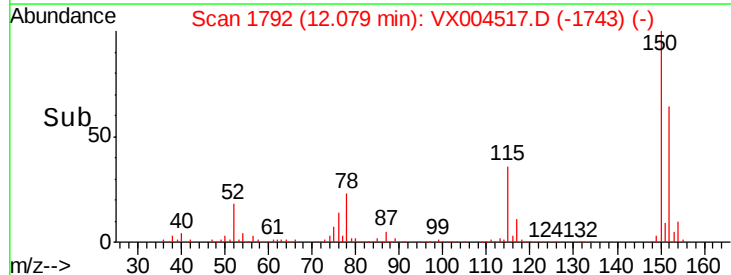
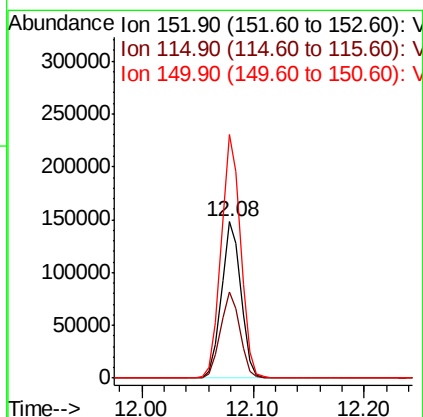
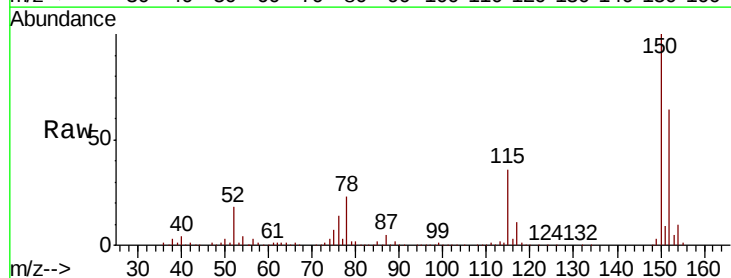
Instrument :
MSVOA_X
ClientSampleId :
TB

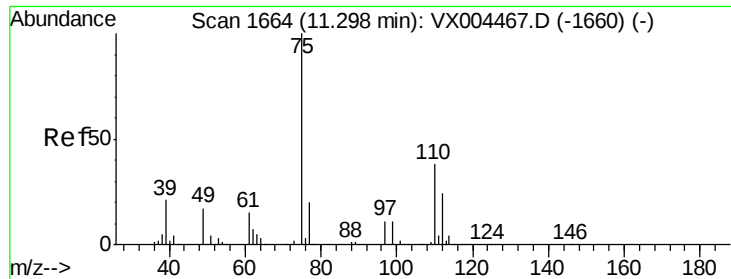
Tot Ion:117 Resp: 321540
Ion Ratio Lower Upper
117 100
82 52.9 47.8 71.6
119 32.4 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004517.D
Acq: 13 Sep 2018 15:41

Tgt Ion:152 Resp: 178452
Ion Ratio Lower Upper
152 100
115 55.0 39.0 117.0
150 155.9 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 22.03 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004517.D

Acq: 13 Sep 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

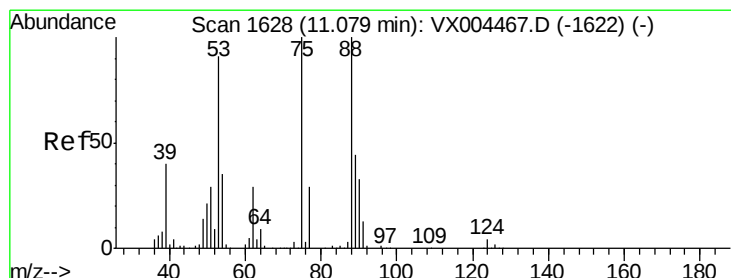
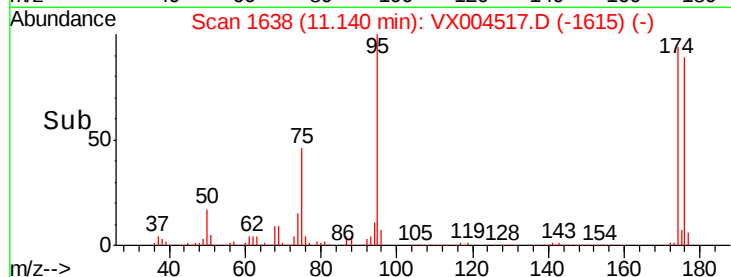
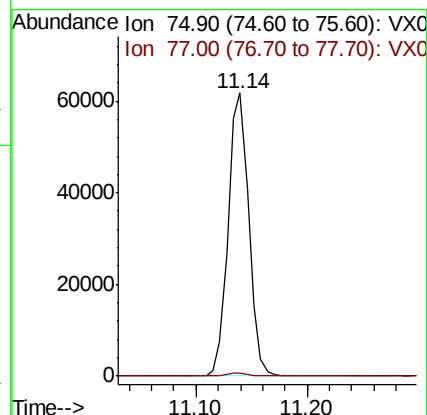
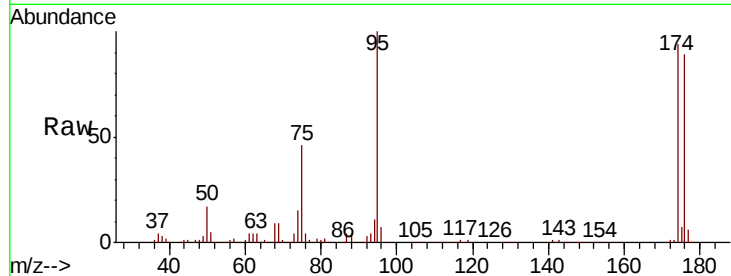
TB

Tot Ion: 75 Resp: 79086

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.21 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004517.D

Acq: 13 Sep 2018 15:41

Tgt Ion: 75 Resp: 79086

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

