

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008266.D
 Acq On : 21 Mar 2019 02:01
 Operator : JC/SP
 Sample : K1912-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20190226

Quant Time: Mar 22 05:40:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	317176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	526039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	436852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168568	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	224918	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	5.50	113	168071	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	8.71	98	643460	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.13	95	198713	43.23	ug/l	0.00
Spiked Amount			Recovery	=	86.46%	

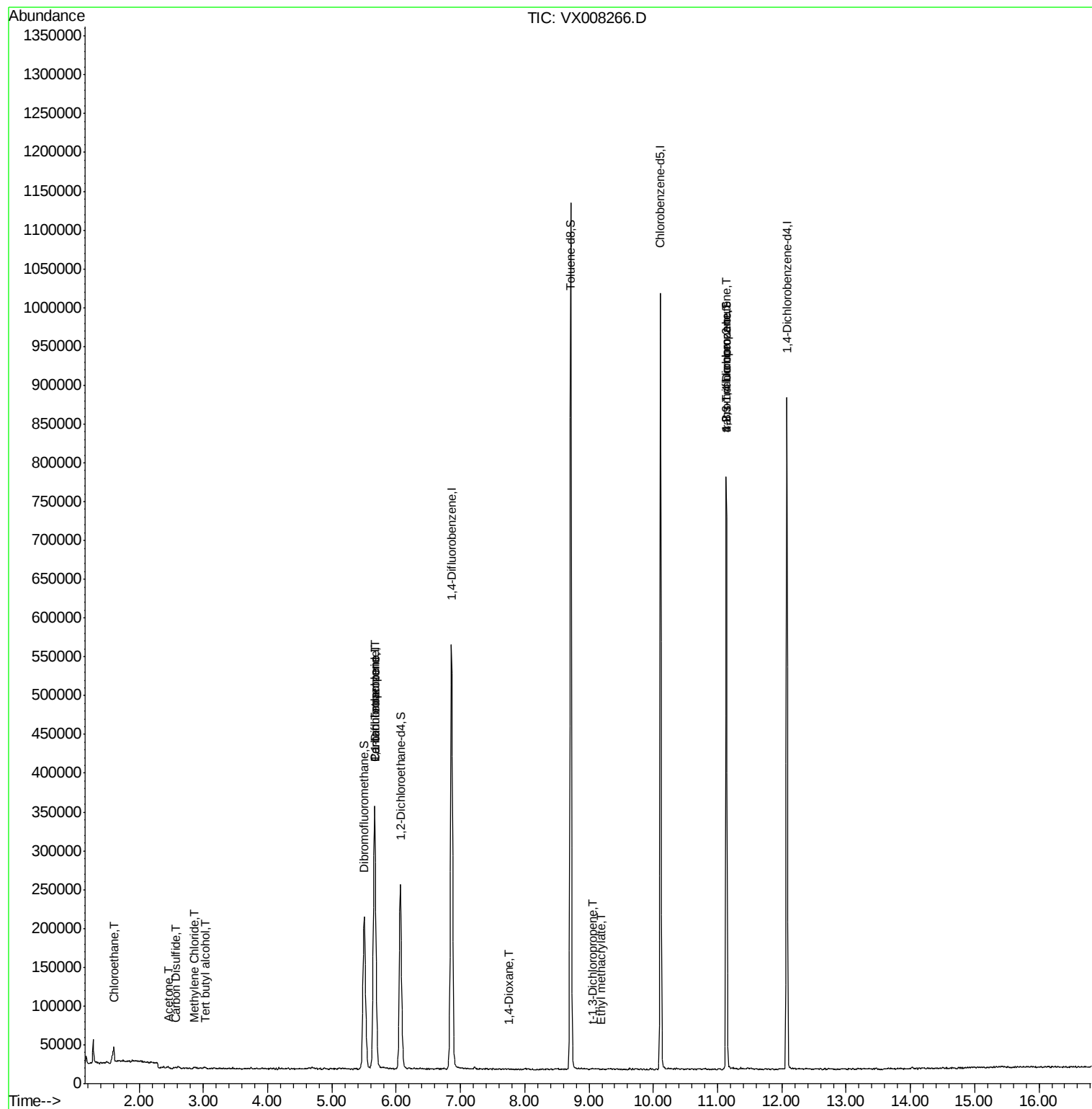
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	2372	0.786	ug/l #	65
11) Tert butyl alcohol	3.03	59	1457	1.425	ug/l #	81
13) Acrolein	2.30	56	52	Below Cal	#	1
16) Acetone	2.45	43	1929	0.712	ug/l	89
17) Carbon Disulfide	2.57	76	1145	0.765	ug/l #	81
20) Methylene Chloride	2.86	84	1351	0.299	ug/l	96
36) 1,1-Dichloropropene	5.66	75	26825	4.380	ug/l #	49
38) Carbon Tetrachloride	5.67	117	31592	5.789	ug/l #	17
49) 1,4-Dioxane	7.76	88	59	0.542	ug/l #	16
53) t-1,3-Dichloropropene	9.05	75	121	1.438	ug/l #	43
56) Ethyl methacrylate	9.18	69	85	0.537	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	104103	21.957	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	104103	55.804	ug/l #	11

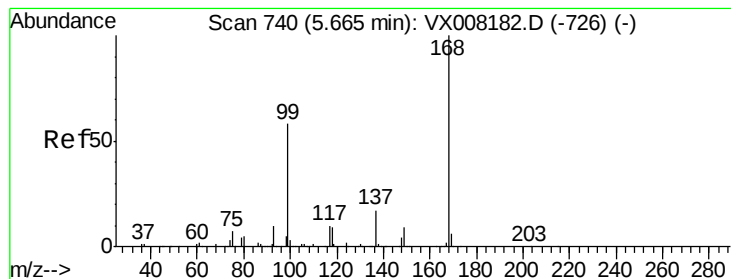
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

Instrument :

MSVOA_X

ClientSampleId :

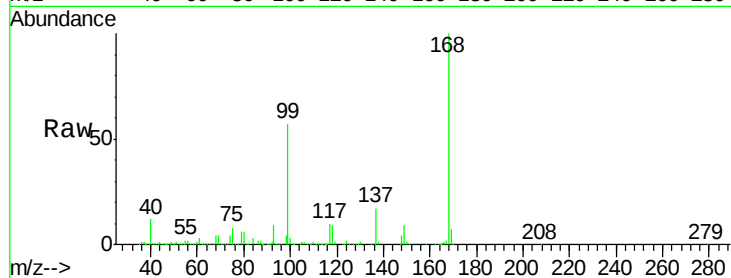
TB-20190226

Tot Ion:168 Resp: 317176

Ion Ratio Lower Upper

168 100

99 57.0 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

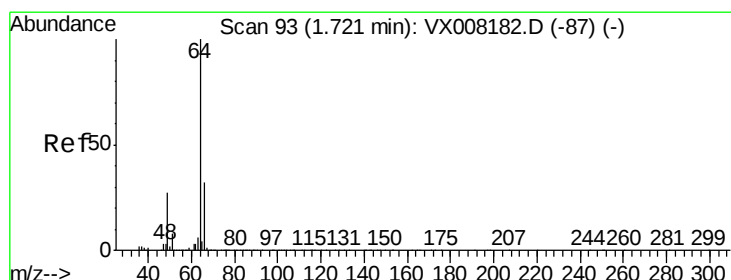
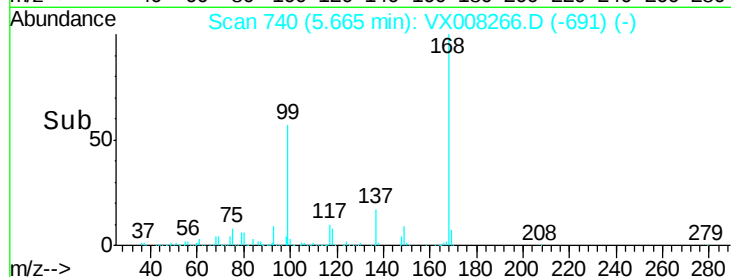
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.786 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX008266.D

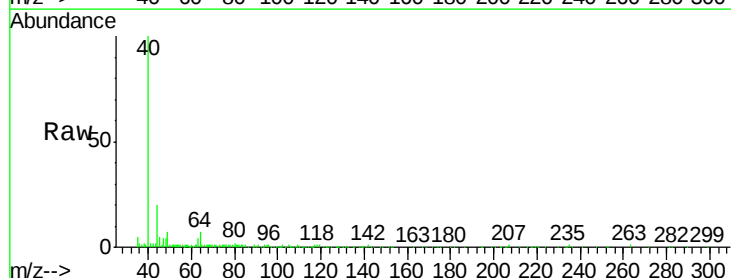
Acq: 21 Mar 2019 02:01

Tgt Ion: 64 Resp: 2372

Ion Ratio Lower Upper

64 100

66 12.2 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.61

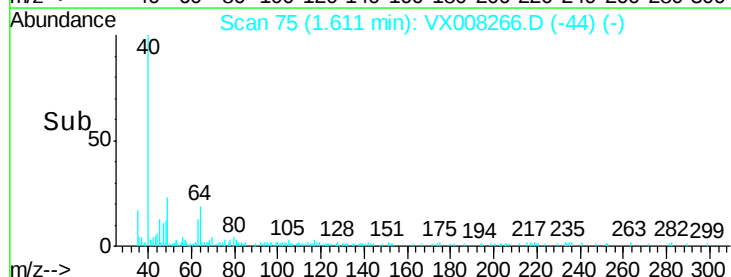
1500

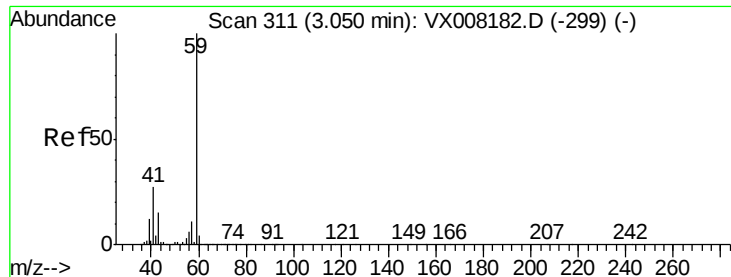
1000

500

0

Time--> 1.55 1.60



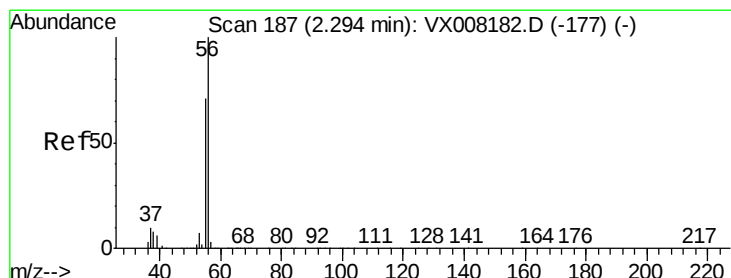
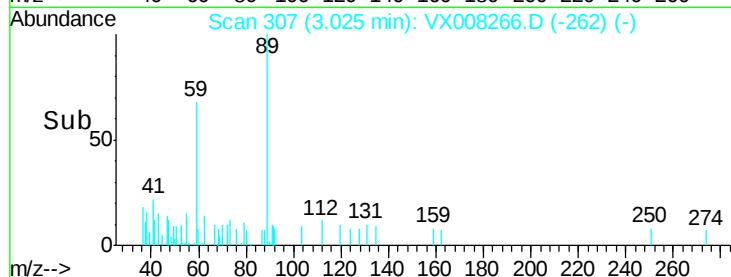
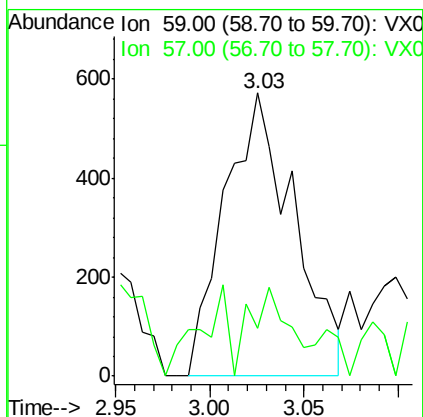
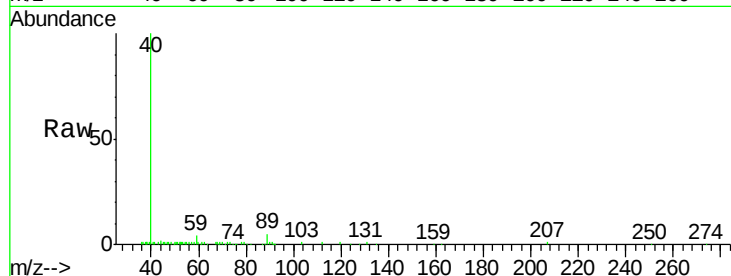


#11

Tert butvl alcohol
 Concen: 1.425 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX008266.D
 Acq: 21 Mar 2019 02:01

Instrument :
 MSVOA_X
 ClientSampled :
 TB-20190226

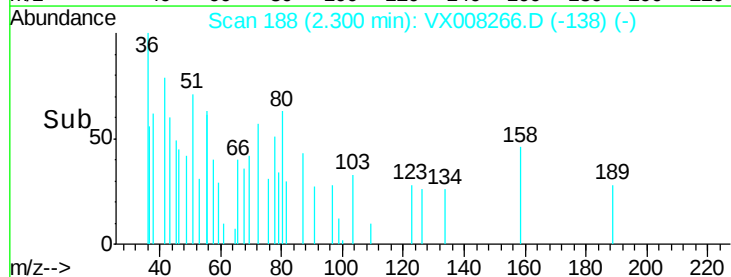
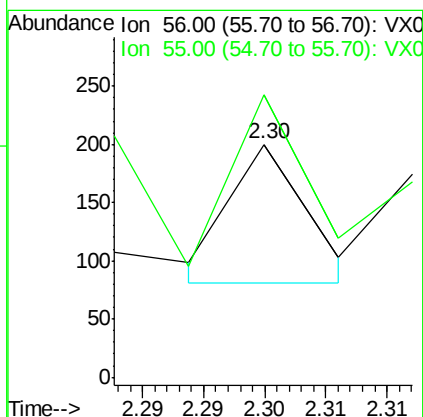
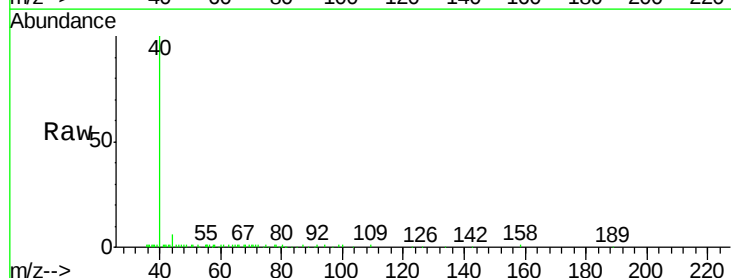
Tot Ion: 59 Resp: 1457
 Ion Ratio Lower Upper
 59 100
 57 17.3 8.2 12.2#

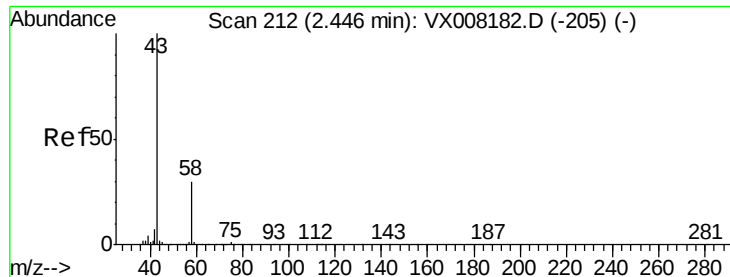


#13

Acrolein
 Concen: Below Cal
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX008266.D
 Acq: 21 Mar 2019 02:01

Tgt Ion: 56 Resp: 52
 Ion Ratio Lower Upper
 56 100
 55 584.6 57.8 86.6#





#16

Acetone

Concen: 0.712 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

Instrument :

MSVOA_X

ClientSampleId :

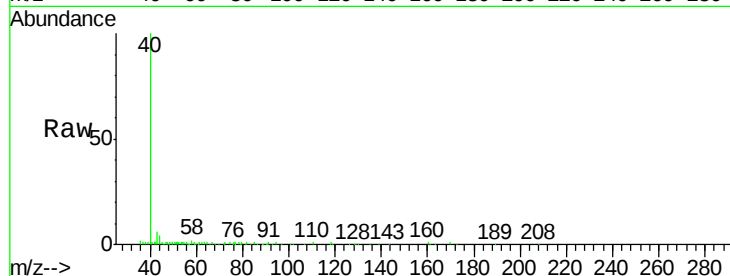
TB-20190226

Tot Ion: 43 Resp: 1929

Ion Ratio Lower Upper

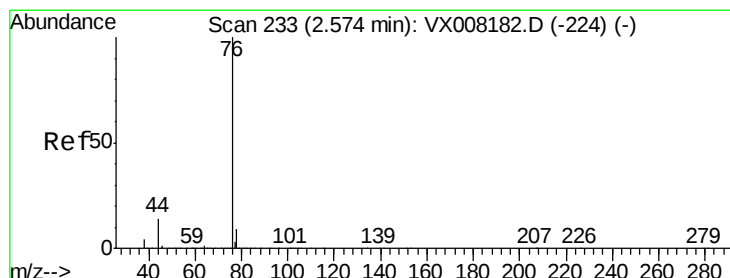
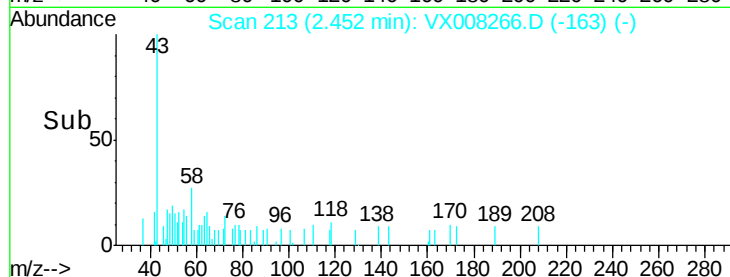
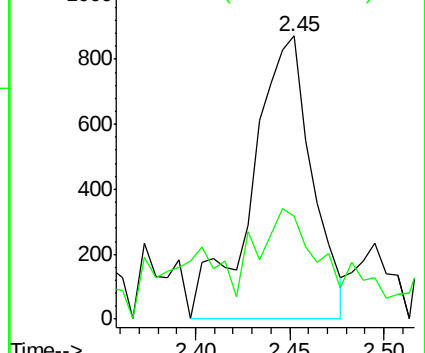
43 100

58 25.6 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.765 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008266.D

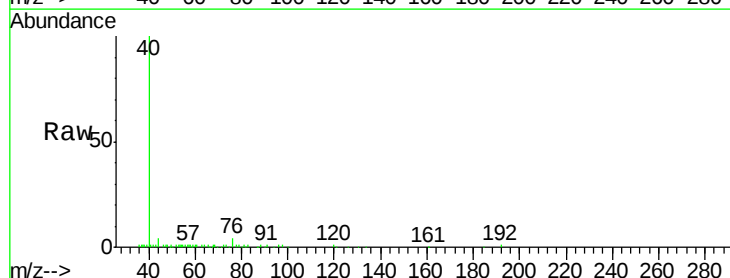
Acq: 21 Mar 2019 02:01

Tgt Ion: 76 Resp: 1145

Ion Ratio Lower Upper

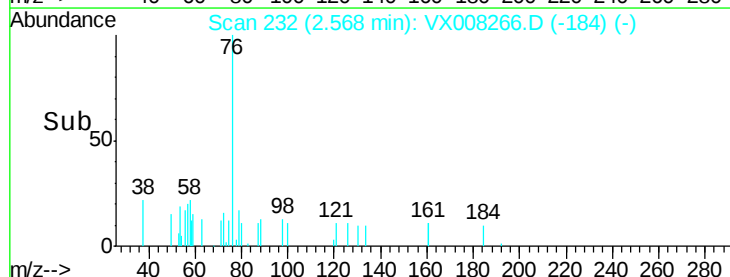
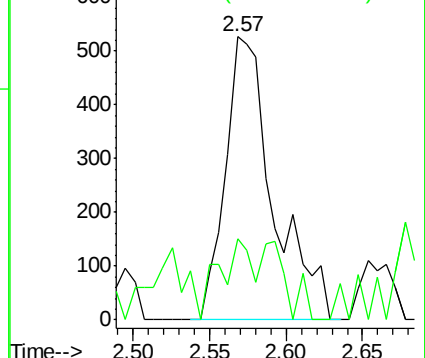
76 100

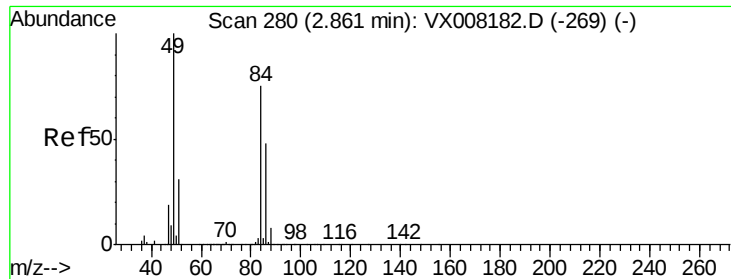
78 15.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

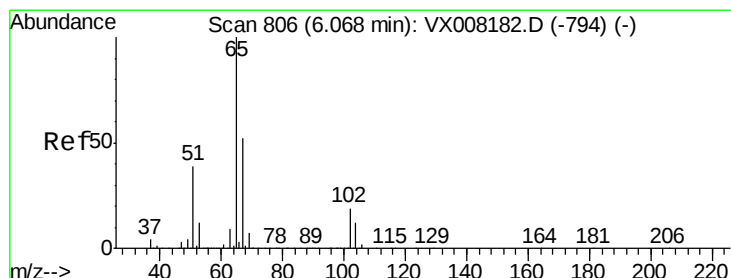
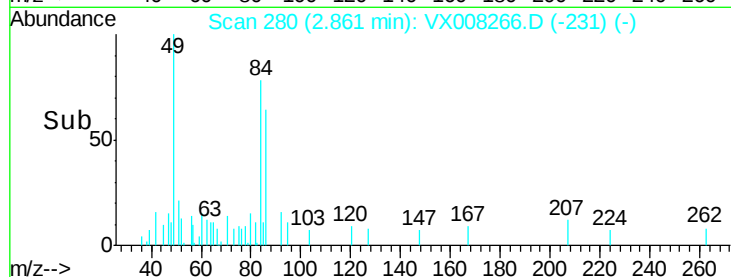
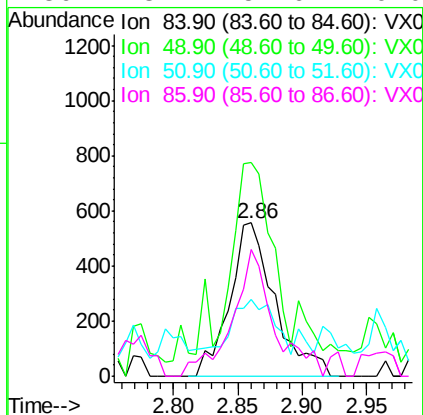
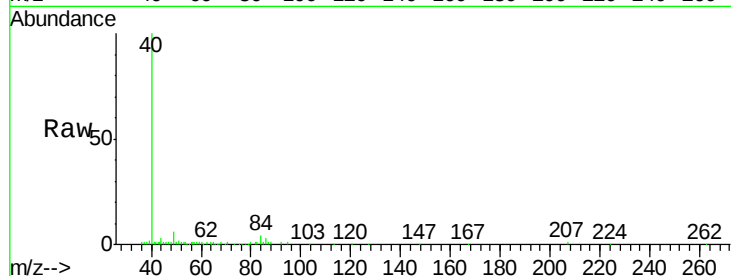




#20
Methvlene Chloride
Concen: 0.299 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008266.D
Acq: 21 Mar 2019 02:01

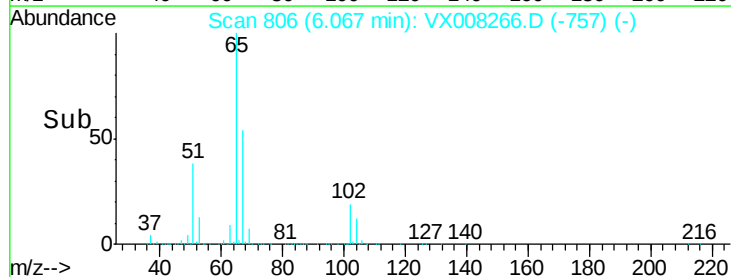
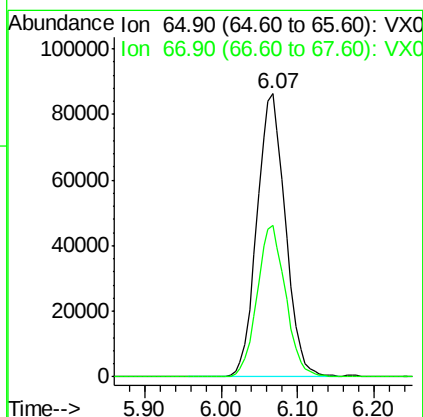
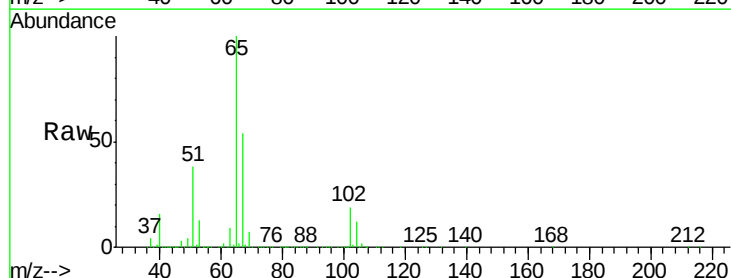
Instrument :
MSVOA_X
ClientSampleId :
TB-20190226

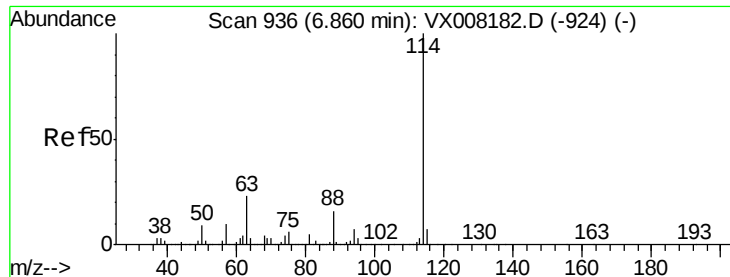
Tot Ion: 84 Resp: 1351
Ion Ratio Lower Upper
84 100
49 124.2 99.3 148.9
51 33.2 31.3 46.9
86 73.2 52.6 79.0



#33
1,2-Dichloroethane-d4
Concen: 47.084 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008266.D
Acq: 21 Mar 2019 02:01

Tgt Ion: 65 Resp: 224918
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

Instrument :

MSVOA_X

ClientSampleId :

TB-20190226

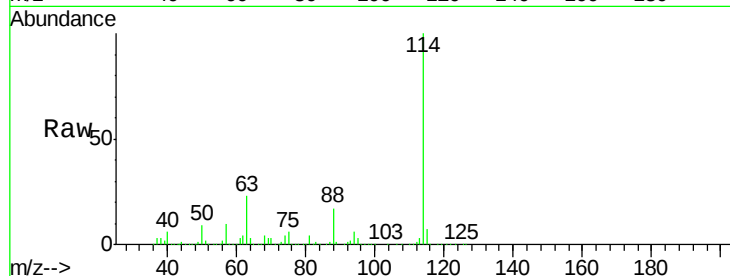
Tot Ion:114 Resp: 526039

Ion Ratio Lower Upper

114 100

63 22.7 0.0 39.8

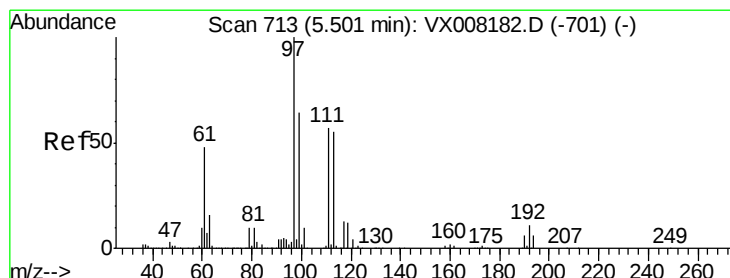
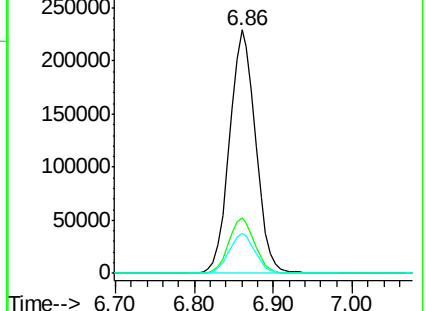
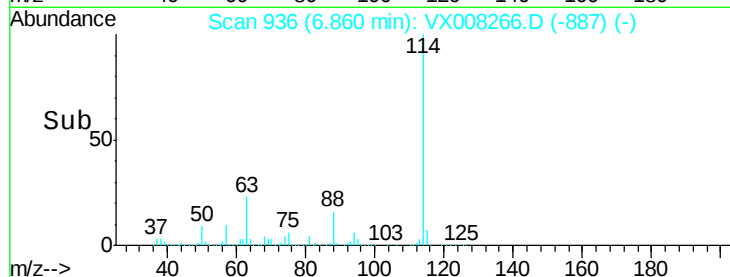
88 16.5 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 47.727 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

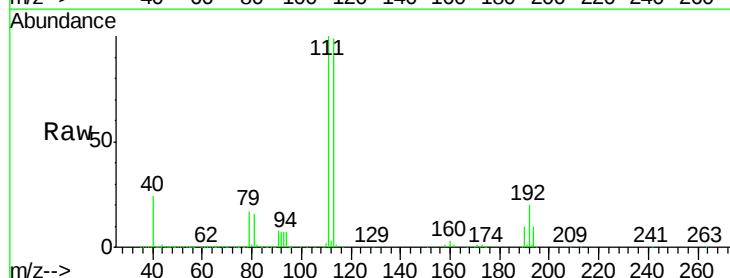
Tgt Ion:113 Resp: 168071

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

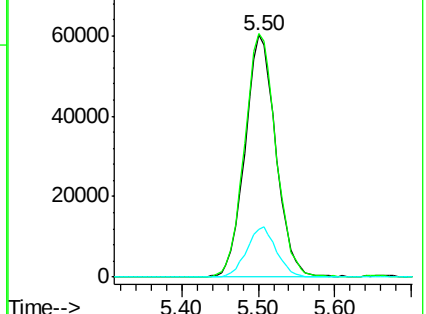
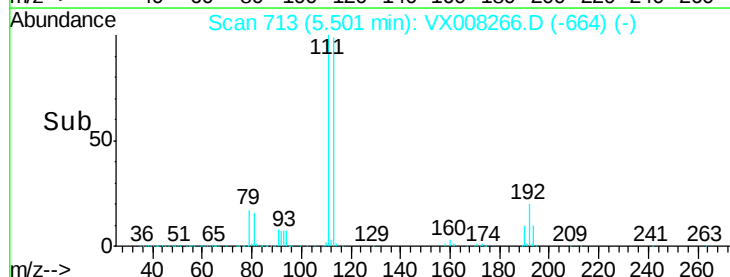
192 20.4 19.4 29.0

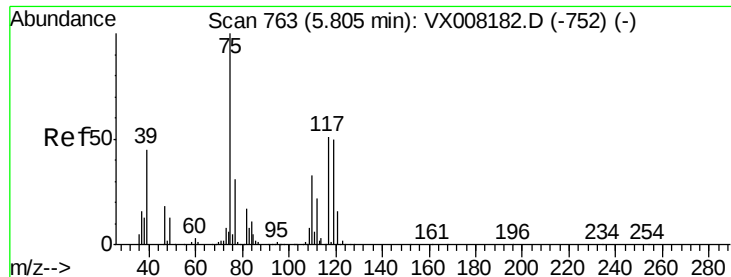


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.380 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

Instrument :

MSVOA_X

ClientSampleId :

TB-20190226

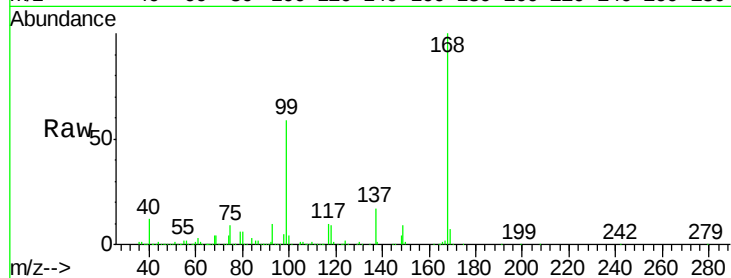
Tot Ion: 75 Resp: 26825

Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.0#

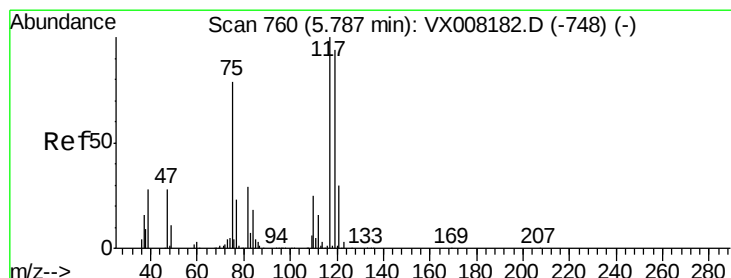
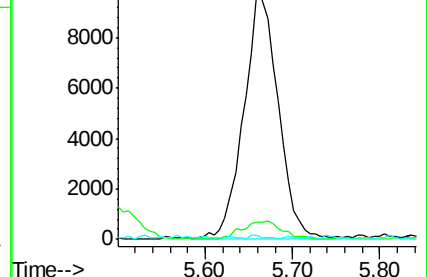
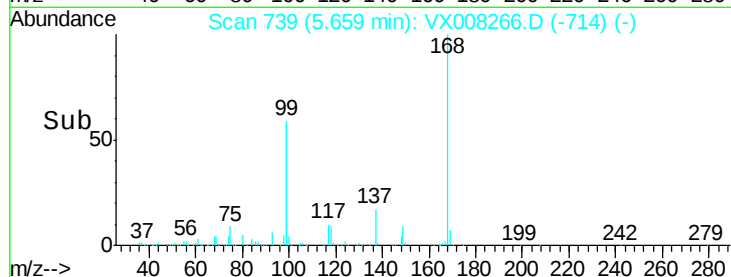
77 0.8 25.0 37.4#



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: 5.789 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

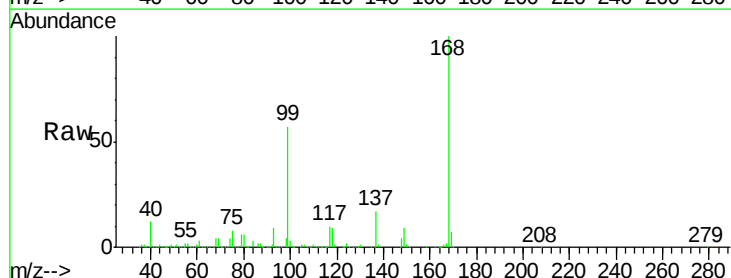
Tgt Ion:117 Resp: 31592

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

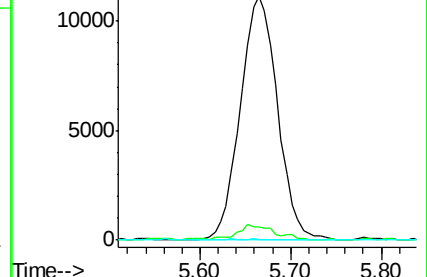
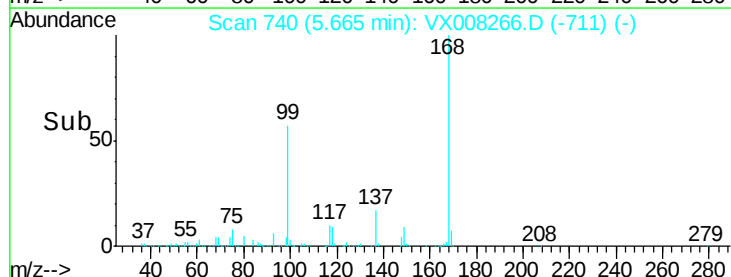
121 0.0 24.6 36.8#

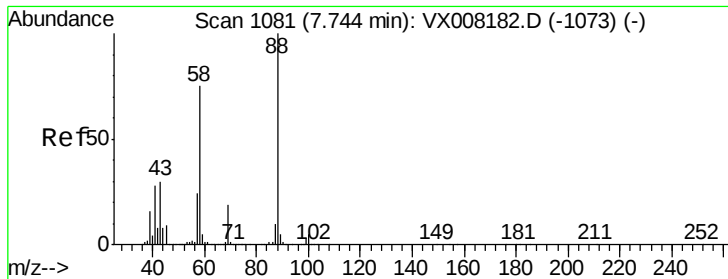


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.542 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

Instrument :

MSVOA_X

ClientSampled :

TB-20190226

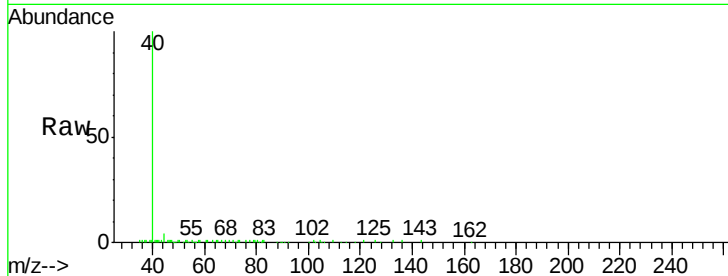
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 74.6 25.1 37.7#

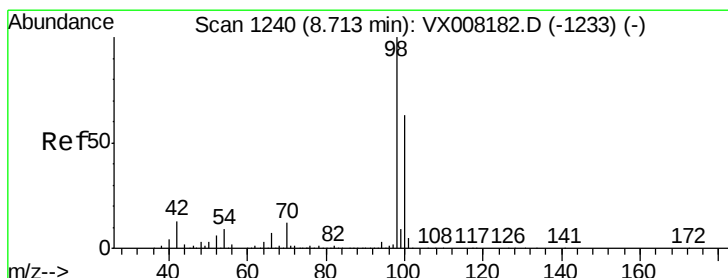
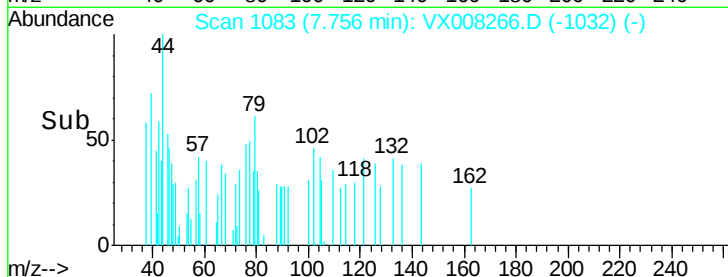
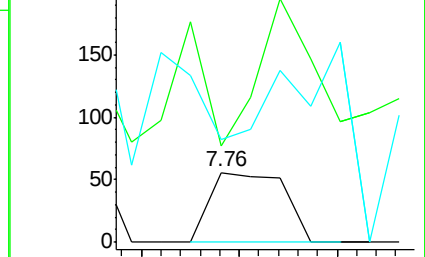
58 0.0 57.8 86.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.195 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008266.D

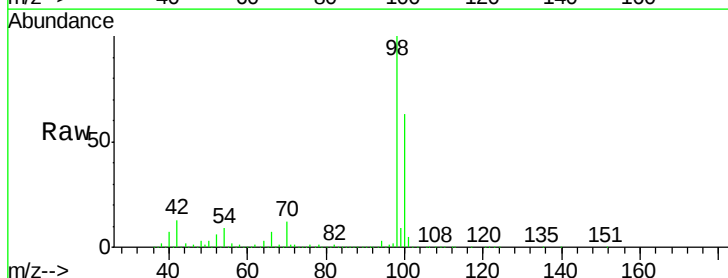
Acq: 21 Mar 2019 02:01

Tgt Ion: 98 Resp: 643460

Ion Ratio Lower Upper

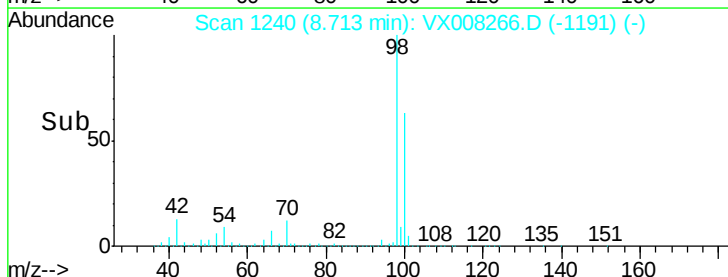
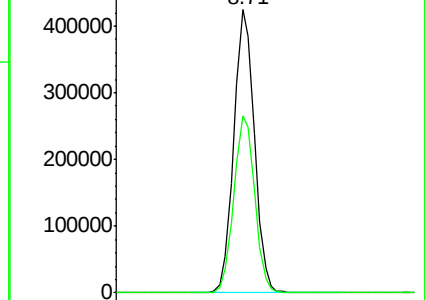
98 100

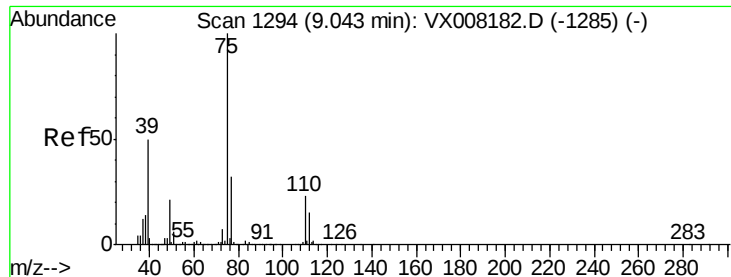
100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#53

t-1,3-Dichloropropene

Concen: 1.438 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

Instrument :

MSVOA_X

ClientSampled :

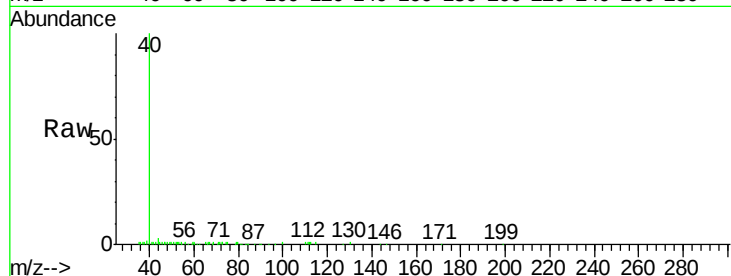
TB-20190226

Tot Ion: 75 Resp: 121

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.05

250

200

150

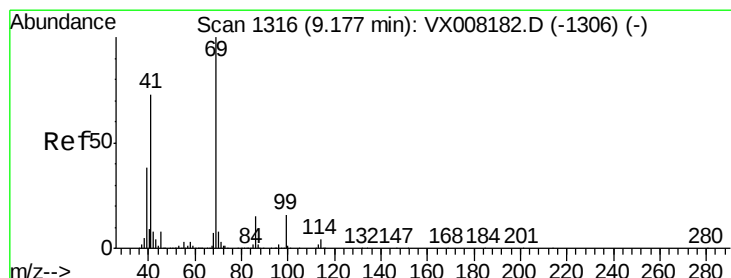
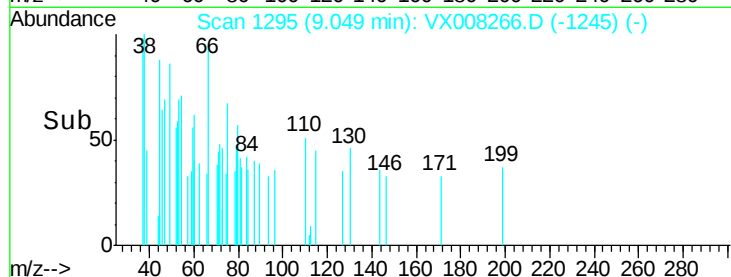
100

50

0

9.02 9.04 9.06

Time-->



#56

Ethyl methacrylate

Concen: 0.537 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

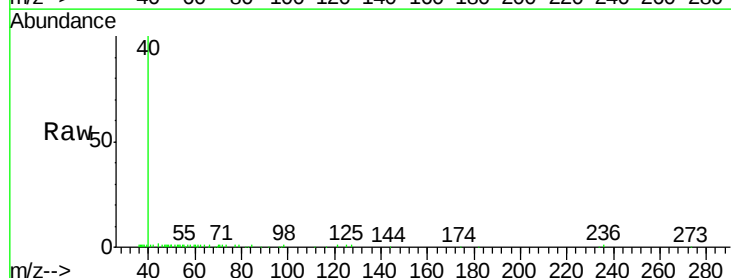
Tgt Ion: 69 Resp: 85

Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

39 321.2 25.0 37.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

300

250

200

150

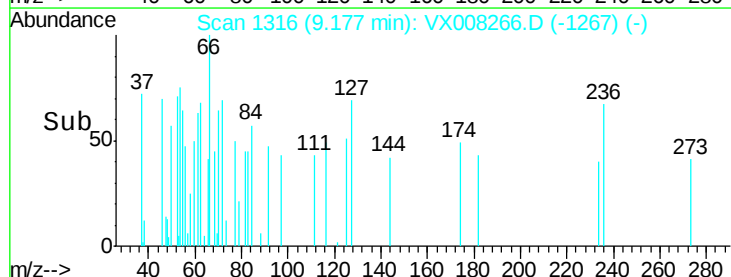
100

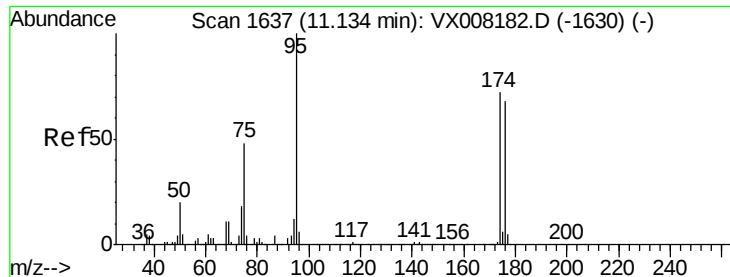
50

0

9.16 9.18 9.20

Time-->





#62

4-Bromofluorobenzene

Concen: 43.226 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

Instrument :

MSVOA_X

ClientSampleId :

TB-20190226

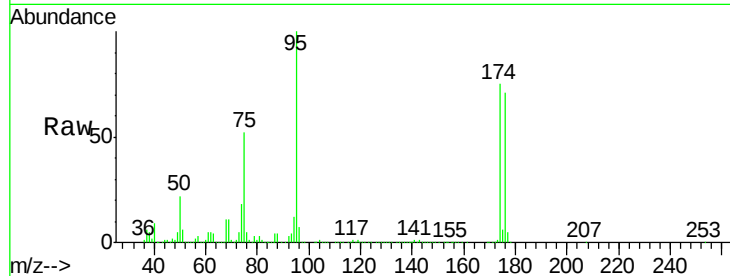
Tot Ion: 95 Resp: 198713

Ion Ratio Lower Upper

95 100

174 79.3 0.0 182.8

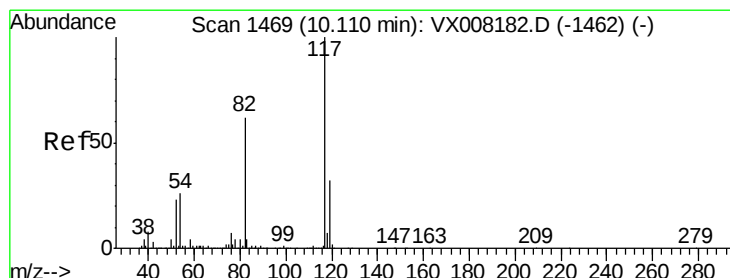
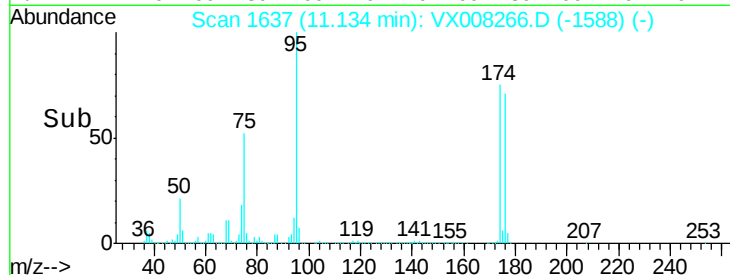
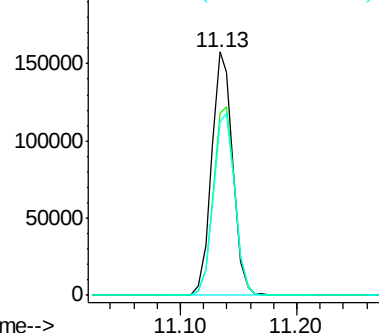
176 76.5 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

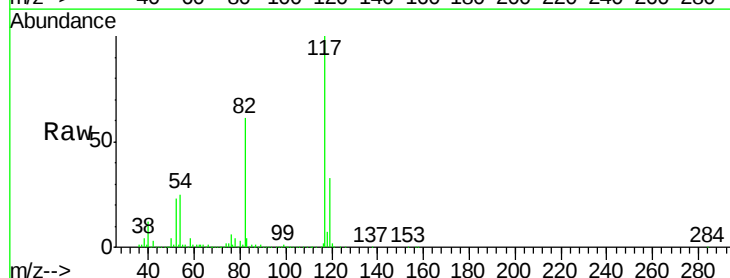
Tgt Ion: 117 Resp: 436852

Ion Ratio Lower Upper

117 100

82 61.0 44.3 66.5

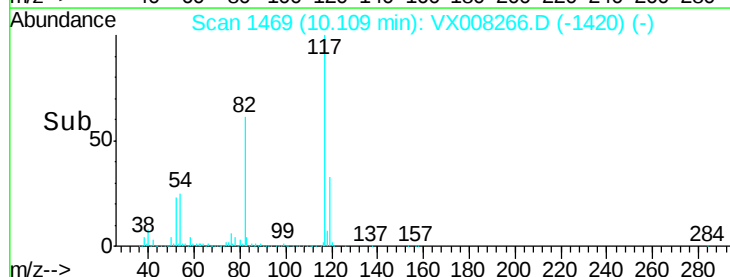
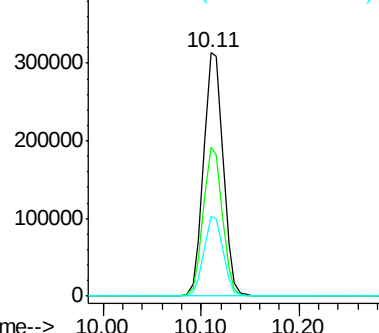
119 32.6 25.3 37.9

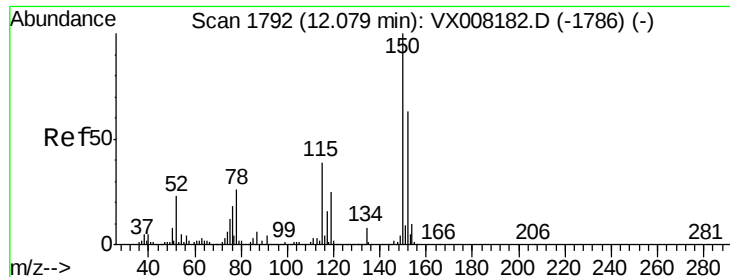


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



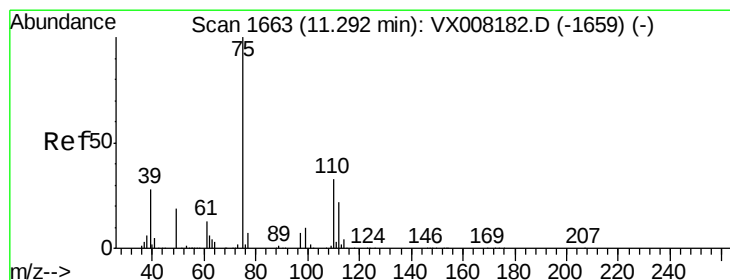
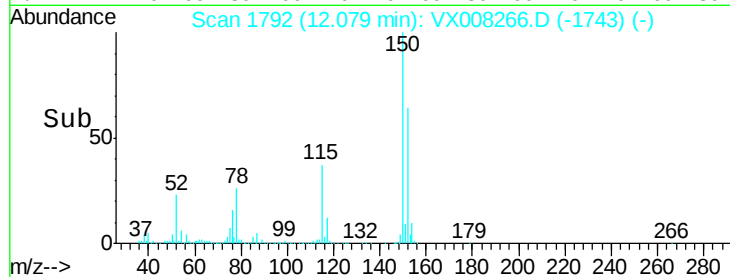
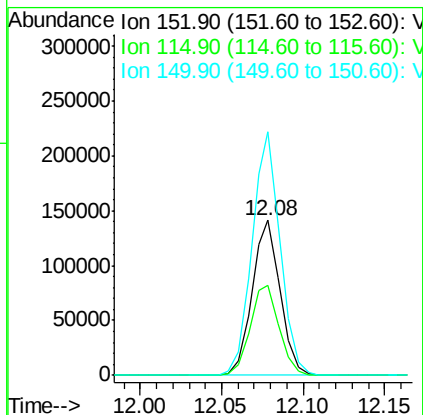
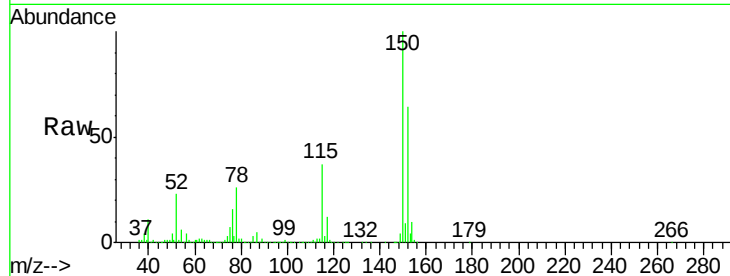


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008266.D
Acq: 21 Mar 2019 02:01

Instrument :
MSVOA_X
ClientSampleId :
TB-20190226

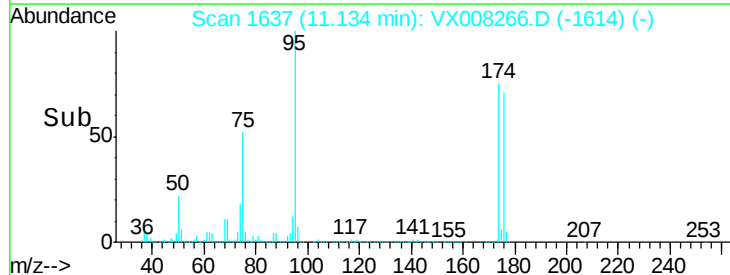
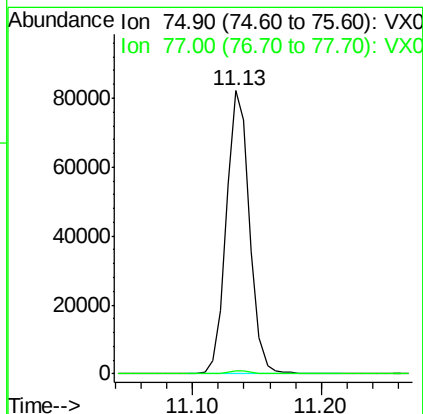
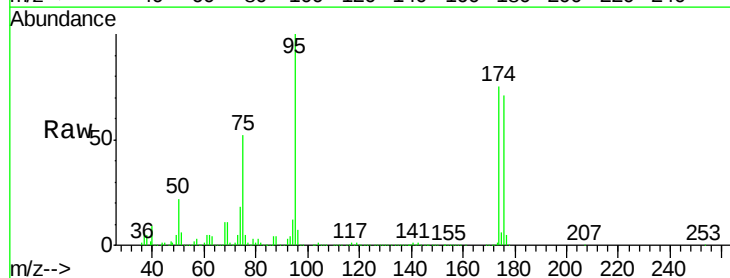
Tot Ion:152 Resp: 168568
Ion Ratio Lower Upper
152 100
115 60.2 38.6 115.7
150 157.4 0.0 348.4

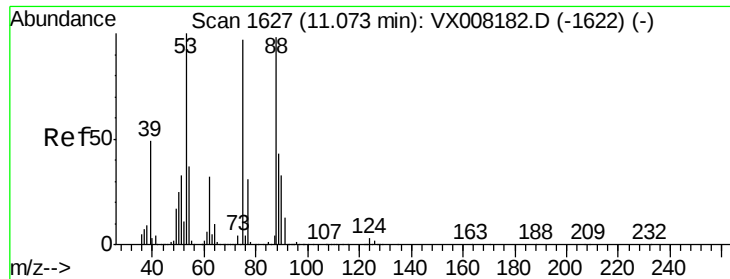


#76

1,2,3-Trichloropropane
Concen: 21.957 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008266.D
Acq: 21 Mar 2019 02:01

Tgt Ion: 75 Resp: 104103
Ion Ratio Lower Upper
75 100
77 1.5 18.9 56.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 55.804 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008266.D

Acq: 21 Mar 2019 02:01

Instrument :

MSVOA_X

ClientSampleId :

TB-20190226

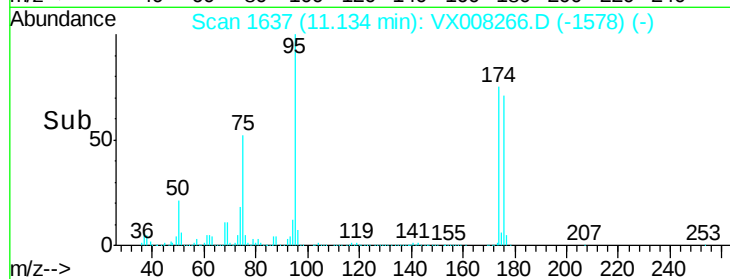
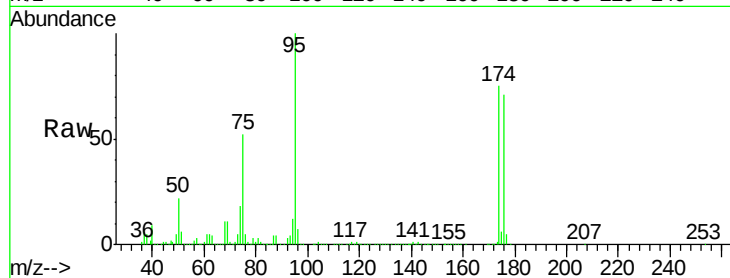
Tot Ion: 75 Resp: 104103

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



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

