

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040519\
 Data File : VX008702.D
 Acq On : 05 Apr 2019 23:12
 Operator : JC/SP
 Sample : K2296-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-TB-2019-2

Quant Time: Apr 06 01:30:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	207035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	346579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126813	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	144414	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
35) Dibromofluoromethane	5.50	113	104981	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
50) Toluene-d8	8.71	98	433349	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.13	95	146732	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	

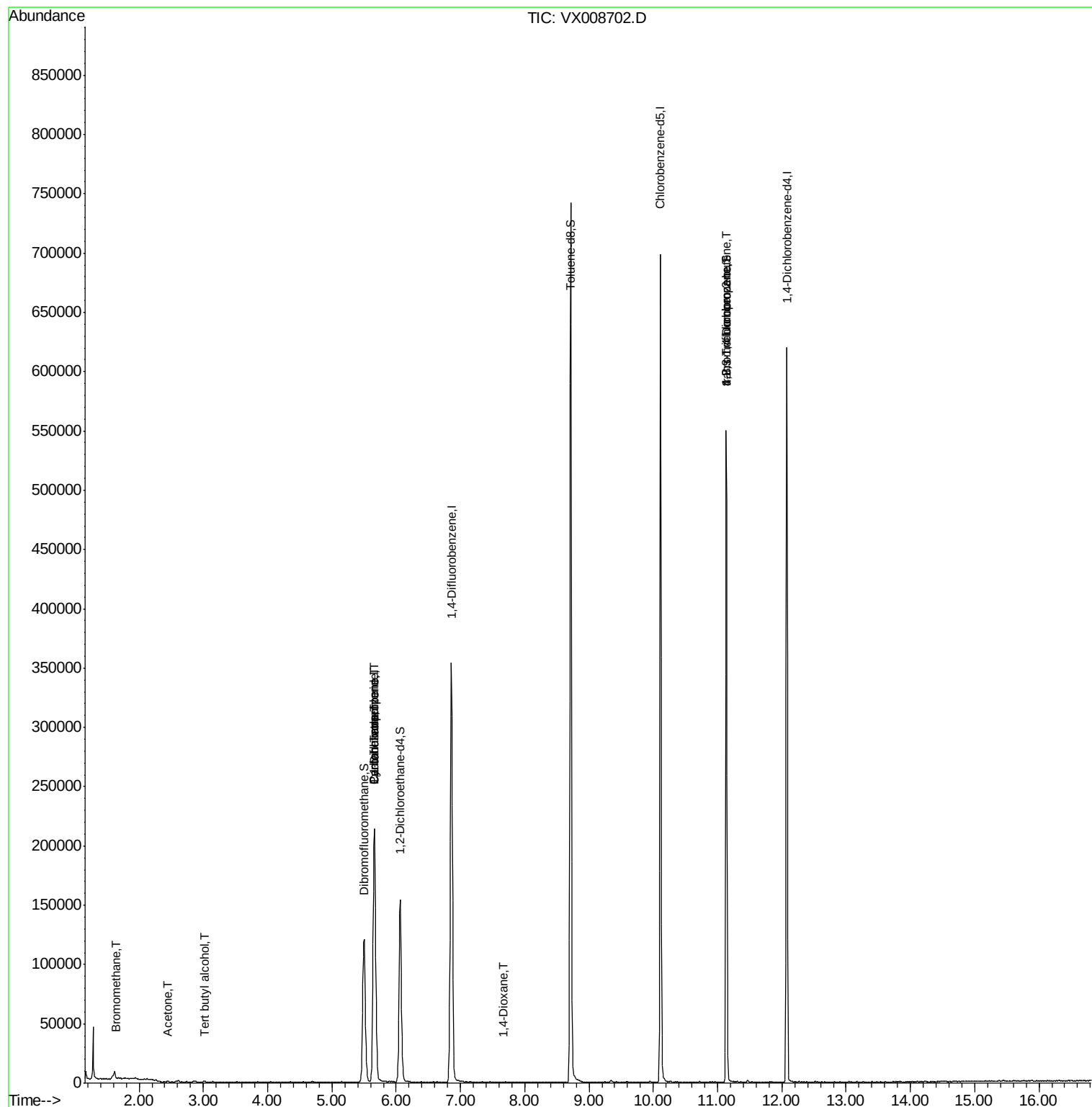
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	361	Below Cal		95
5) Bromomethane	1.64	94	270	2.049 ug/l #		50
6) Chloroethane	1.67	64	1400	Below Cal #		81
11) Tert butyl alcohol	3.03	59	586	0.829 ug/l #		72
16) Acetone	2.45	43	883	0.508 ug/l		96
17) Carbon Disulfide	2.57	76	525	Below Cal #		42
28) Bromochloromethane	5.03	49	20	Below Cal #		22
31) Cyclohexane	5.65	56	4614	0.884 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	16857	4.450 ug/l #		51
38) Carbon Tetrachloride	5.66	117	19585	6.246 ug/l #		17
49) 1,4-Dioxane	7.66	88	22	0.293 ug/l #		1
76) 1,2,3-Trichloropropane	11.13	75	74542	21.398 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	74542	58.983 ug/l #		9

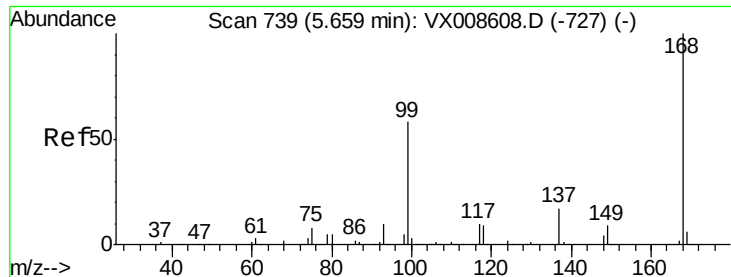
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008702.D

Acq: 05 Apr 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

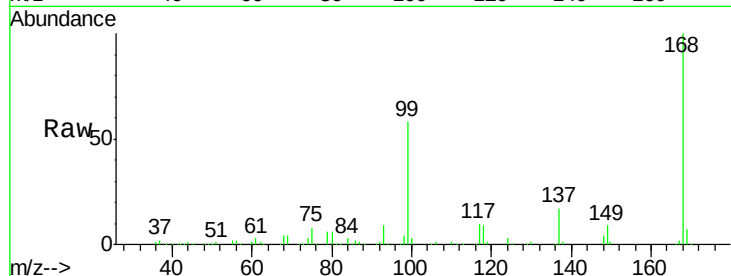
SB-TB-2019-2

Tot Ion:168 Resp: 207035

Ion Ratio Lower Upper

168 100

99 57.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

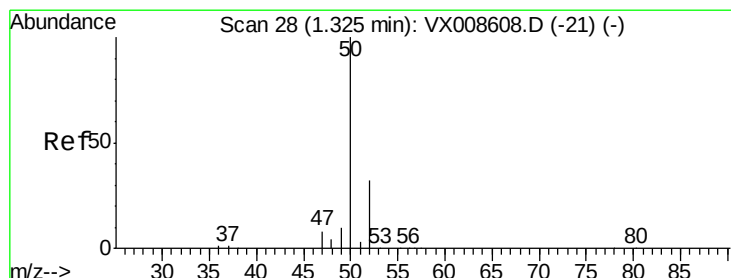
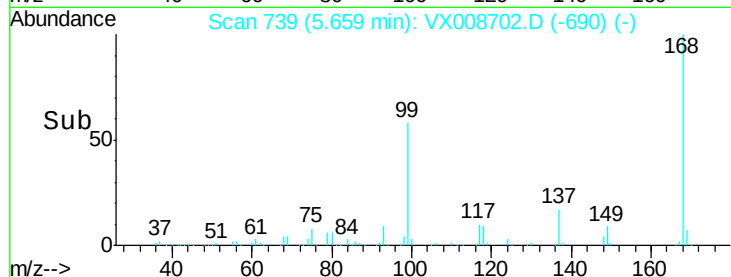
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008702.D

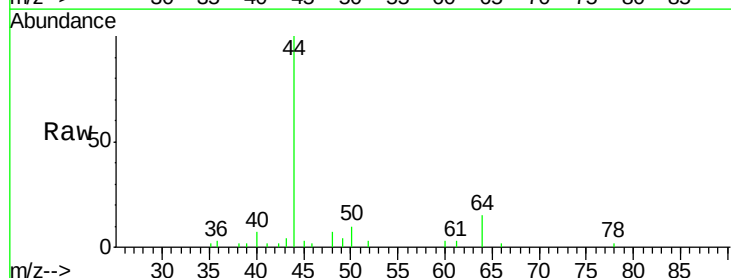
Acq: 05 Apr 2019 23:12

Tgt Ion: 50 Resp: 361

Ion Ratio Lower Upper

50 100

52 35.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

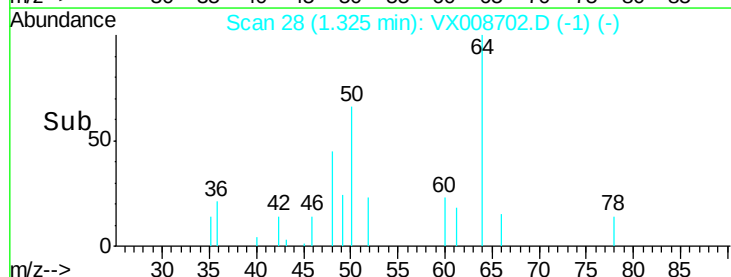
150

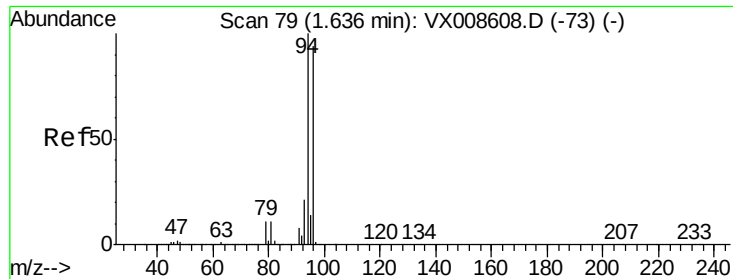
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.049 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008702.D

Acq: 05 Apr 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

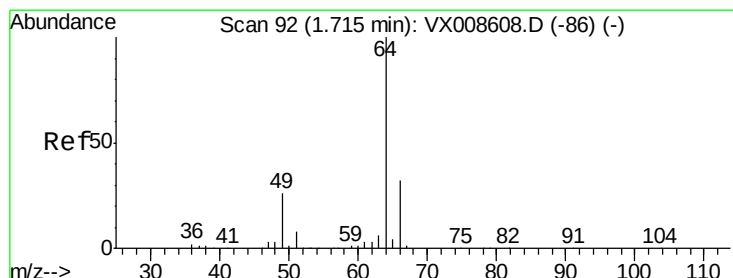
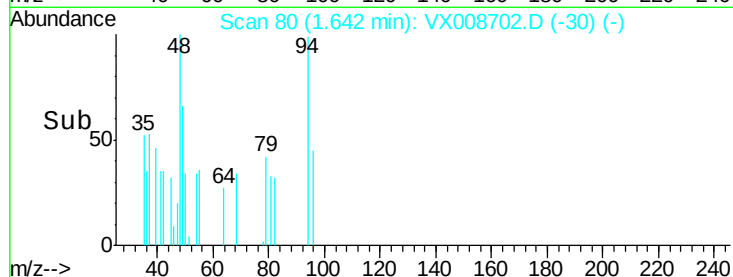
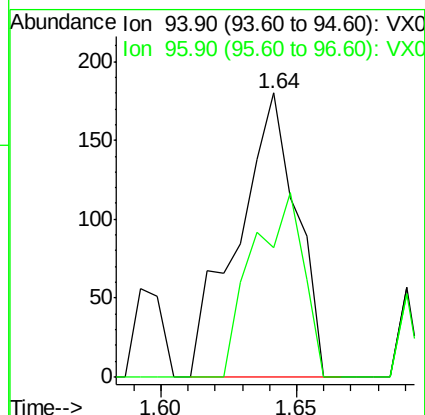
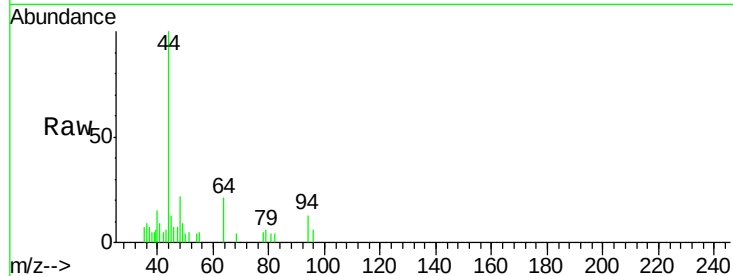
SB-TB-2019-2

Tot Ion: 94 Resp: 270

Ion Ratio Lower Upper

94 100

96 45.6 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX008702.D

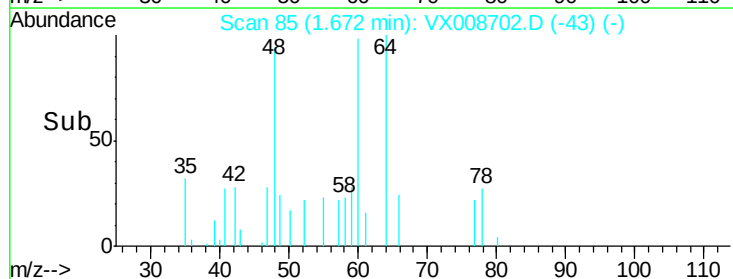
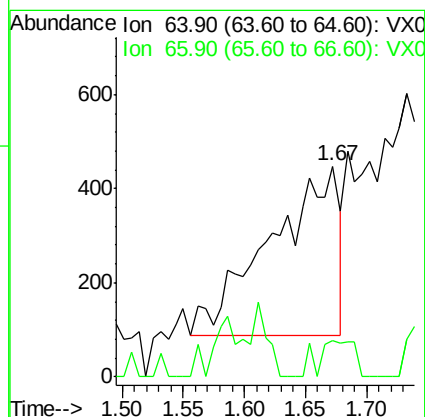
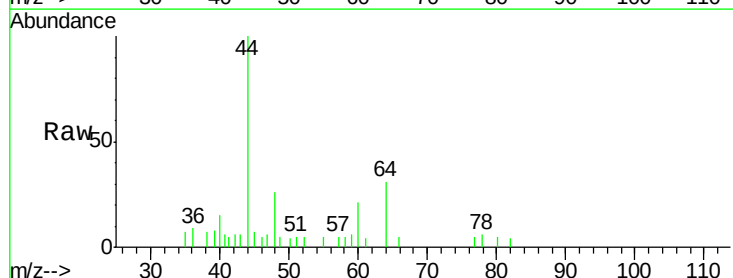
Acq: 05 Apr 2019 23:12

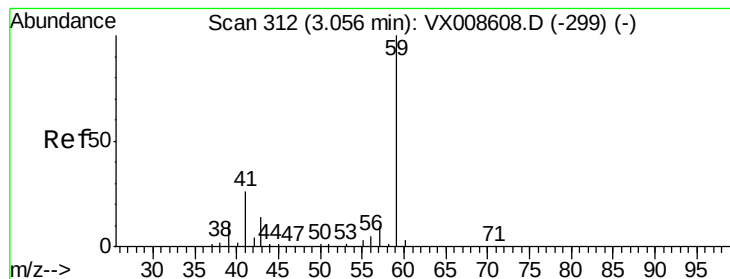
Tgt Ion: 64 Resp: 1400

Ion Ratio Lower Upper

64 100

66 21.1 25.4 38.0#



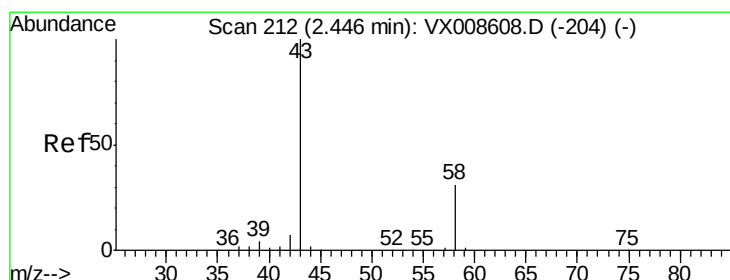
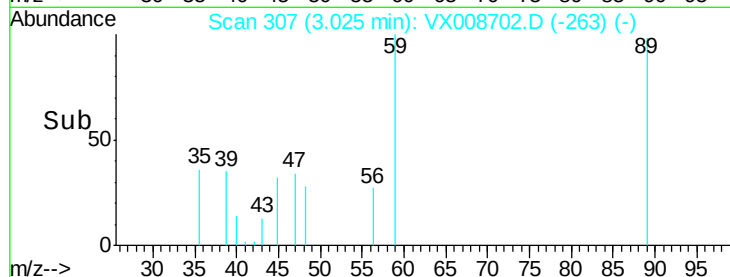
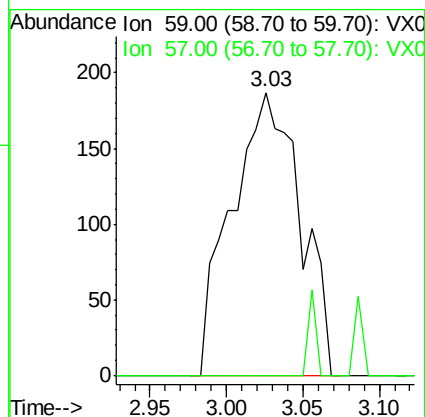
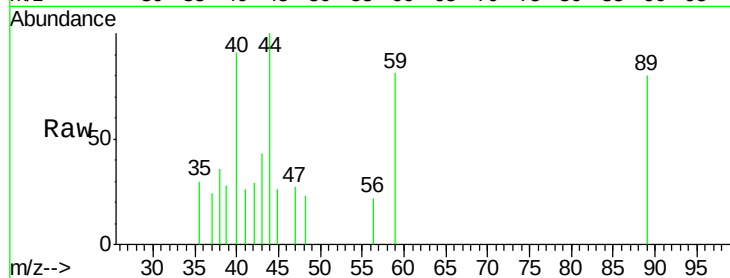


#11

Tert butyl alcohol
 Concen: 0.829 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.03 min
 Lab File: VX008702.D
 Acq: 05 Apr 2019 23:12

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-TB-2019-2

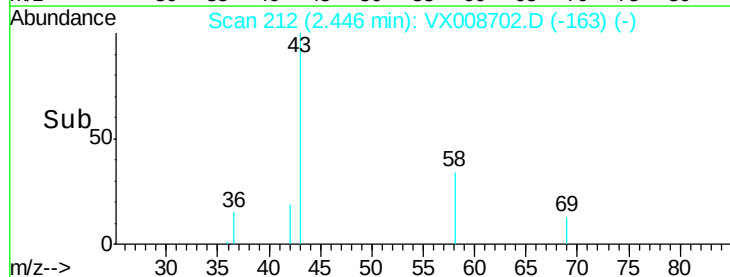
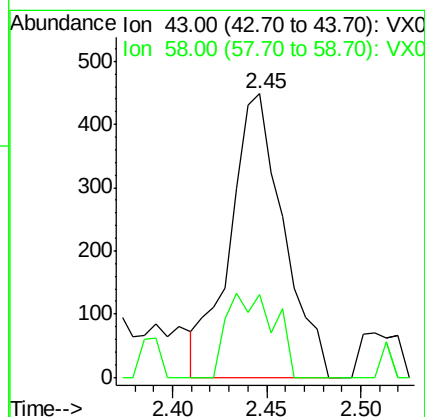
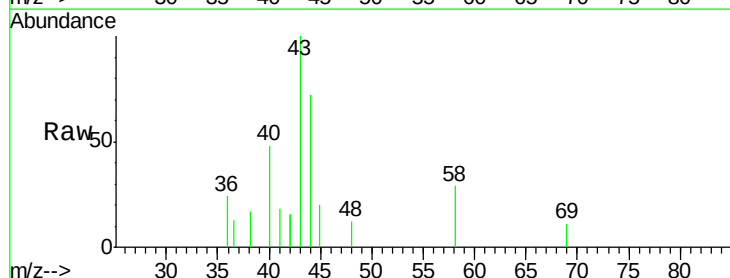
Tot Ion: 59 Resp: 586
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

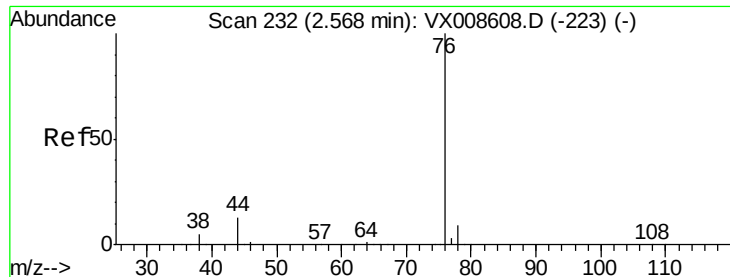


#16

Acetone
 Concen: 0.508 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX008702.D
 Acq: 05 Apr 2019 23:12

Tgt Ion: 43 Resp: 883
 Ion Ratio Lower Upper
 43 100
 58 29.0 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008702.D

Acq: 05 Apr 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

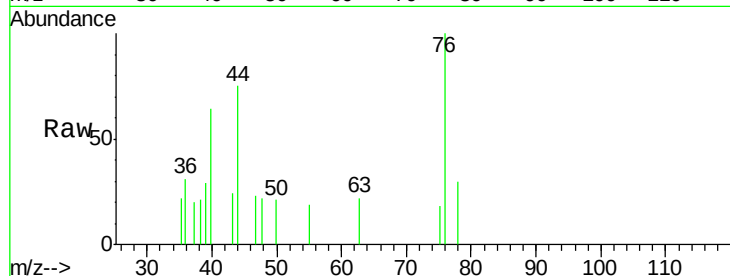
SB-TB-2019-2

Tot Ion: 76 Resp: 525

Ion Ratio Lower Upper

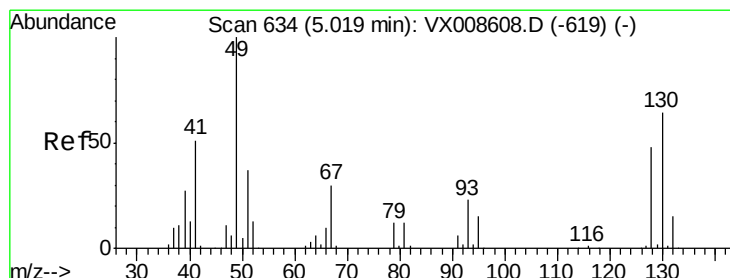
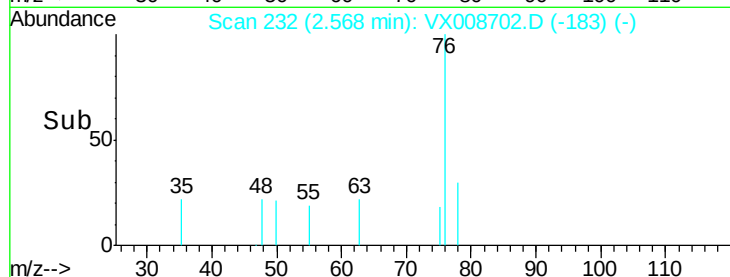
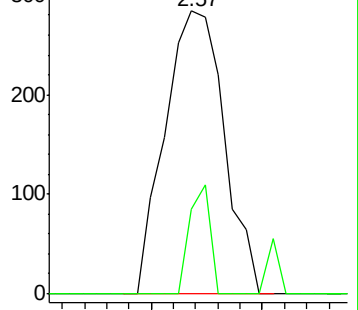
76 100

78 29.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008702.D

Acq: 05 Apr 2019 23:12

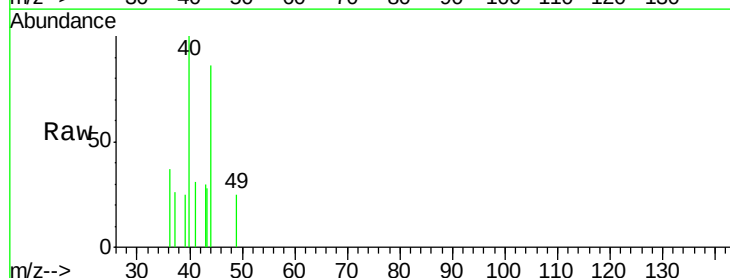
Tgt Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

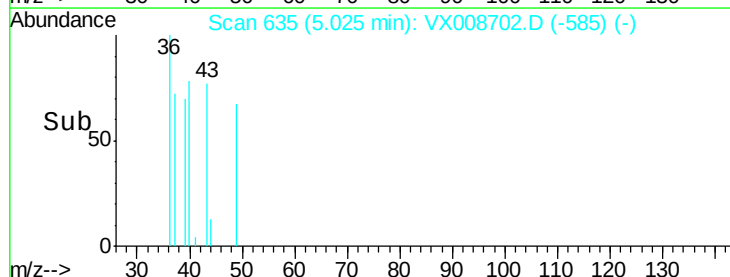
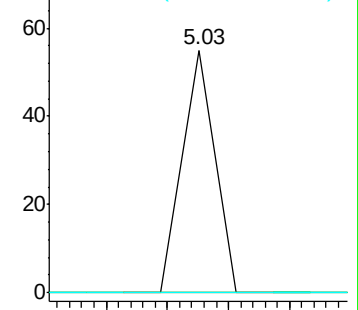
130 0.0 49.3 73.9#

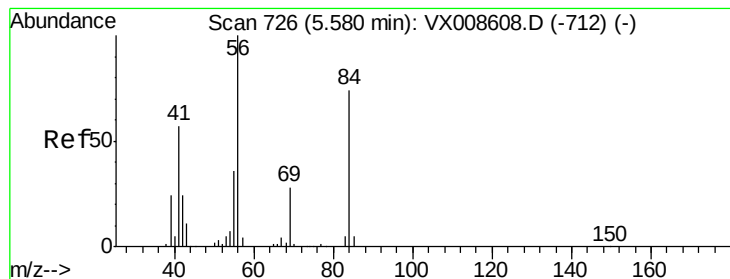


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 0.884 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008702.D

Acq: 05 Apr 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

SB-TB-2019-2

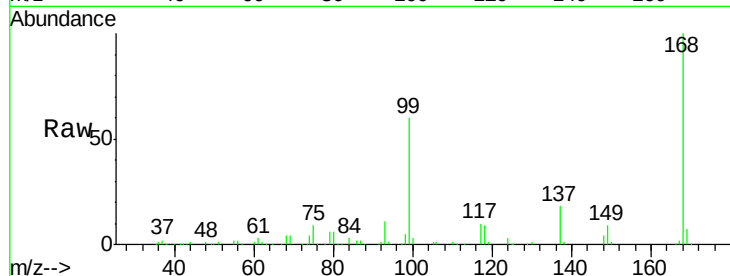
Tot Ion: 56 Resp: 4614

Ion Ratio Lower Upper

56 100

69 185.1 22.6 33.8#

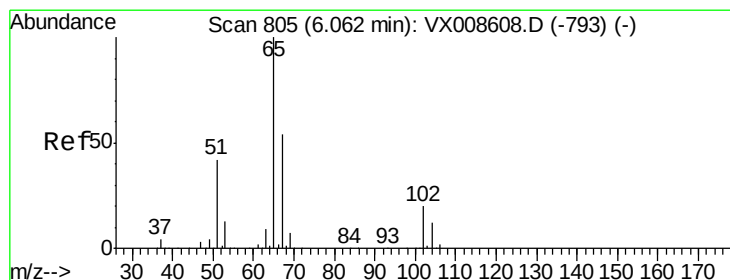
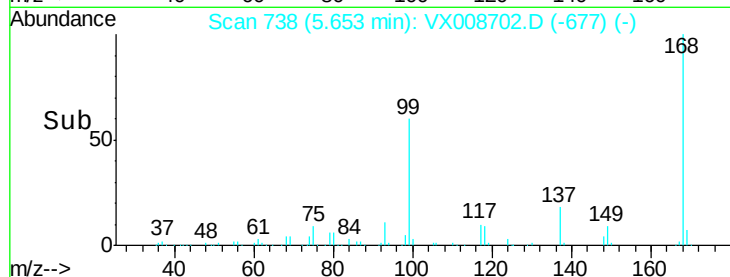
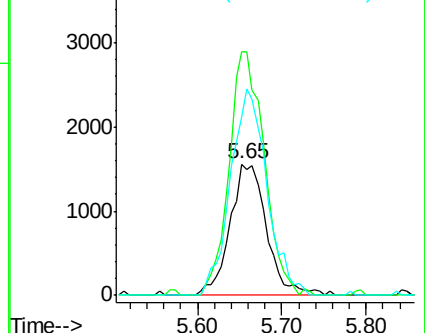
84 135.8 59.3 88.9#



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: 47.824 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008702.D

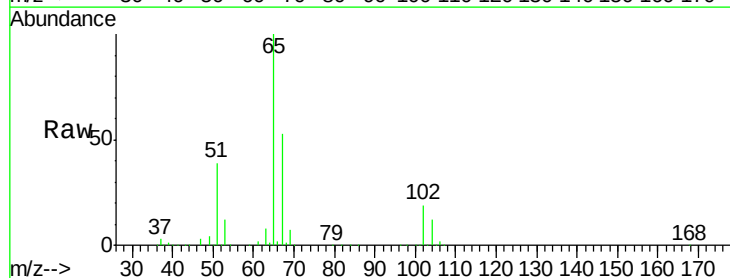
Acq: 05 Apr 2019 23:12

Tgt Ion: 65 Resp: 144414

Ion Ratio Lower Upper

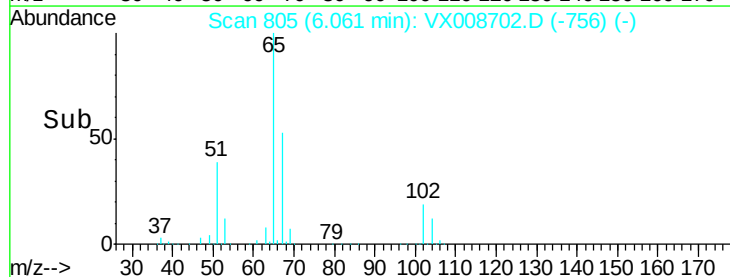
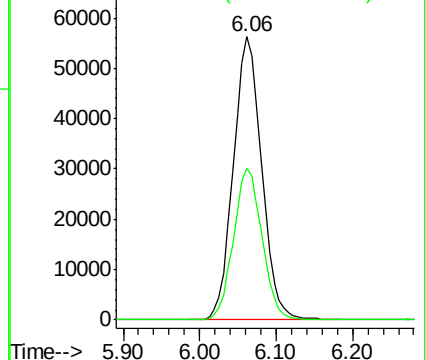
65 100

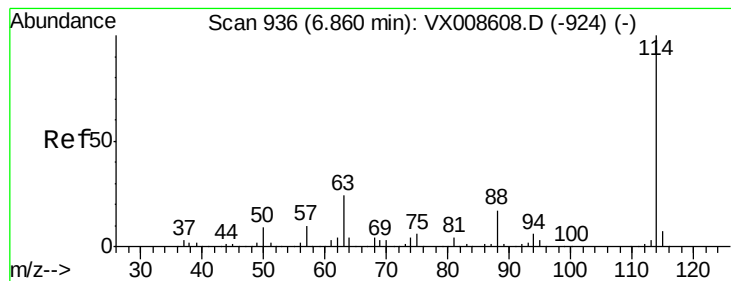
67 53.9 0.0 107.2



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: VX008702.D

Acq: 05 Apr 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

SB-TB-2019-2

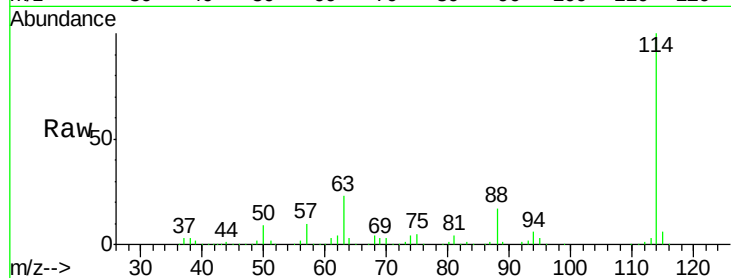
Tot Ion:114 Resp: 346579

Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.2

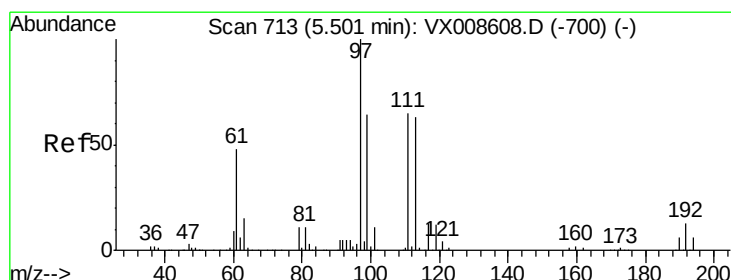
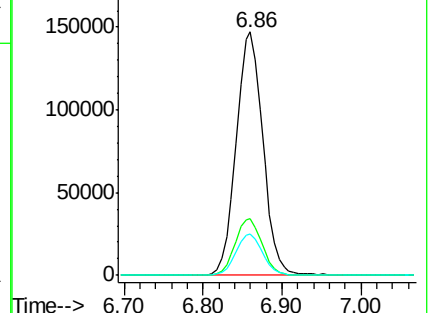
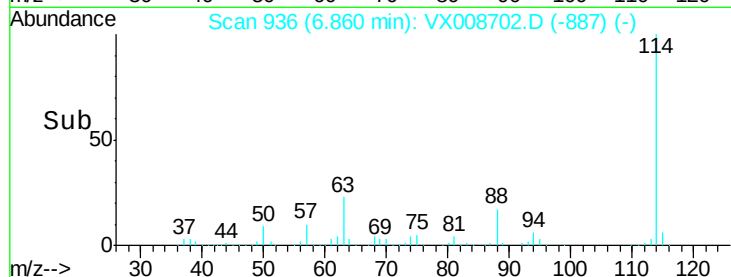
88 16.9 0.0 34.0



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: 47.376 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008702.D

Acq: 05 Apr 2019 23:12

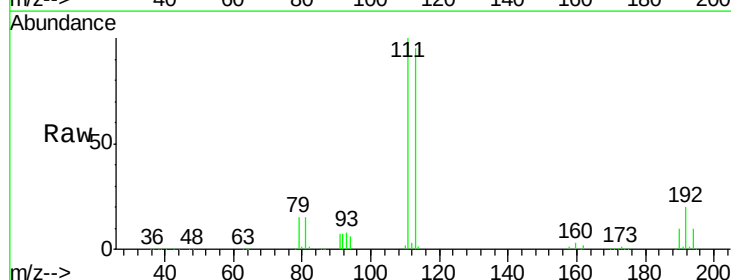
Tgt Ion:113 Resp: 104981

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

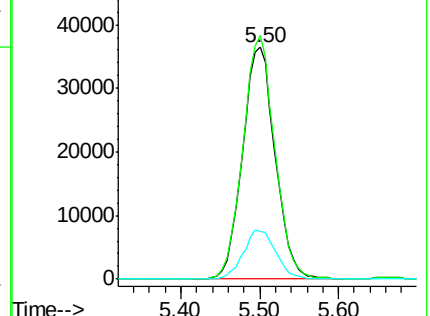
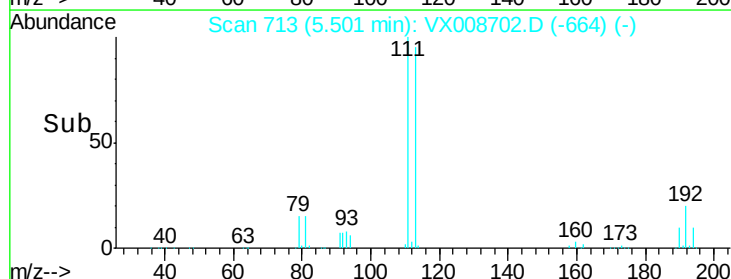
192 21.0 16.1 24.1

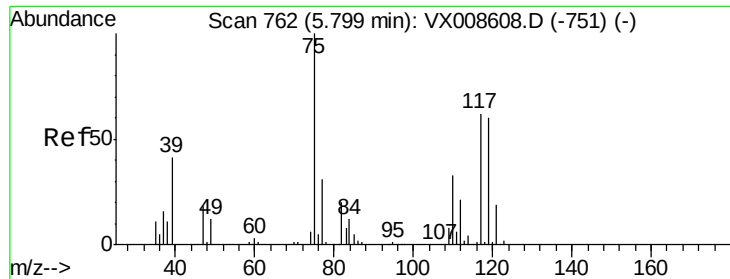


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

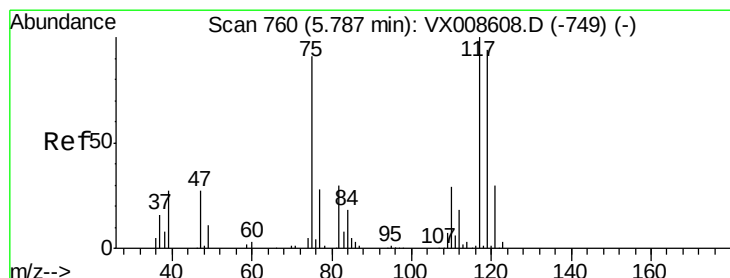
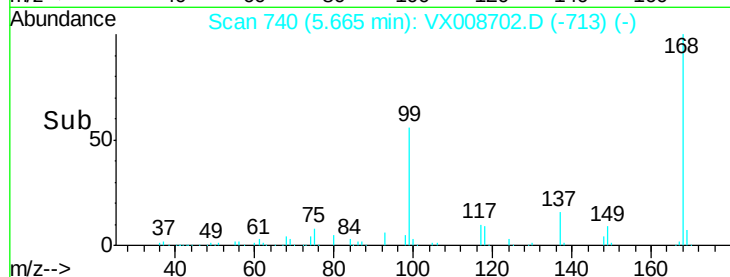
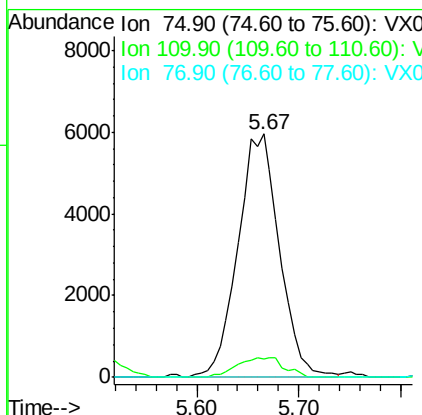
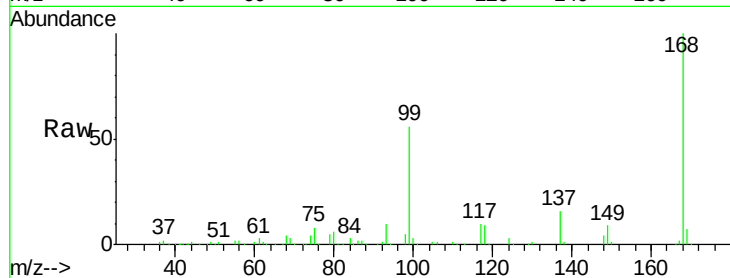




#36
 1,1-Dichloropropene
 Concen: 4.450 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008702.D
 Acq: 05 Apr 2019 23:12

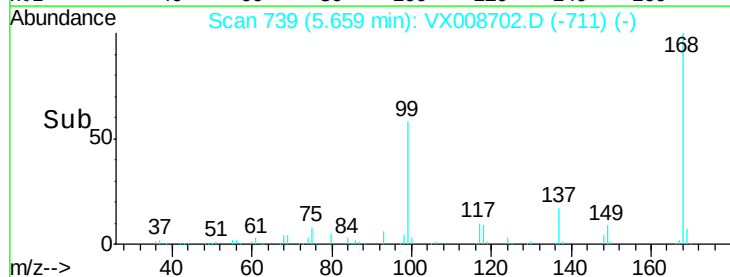
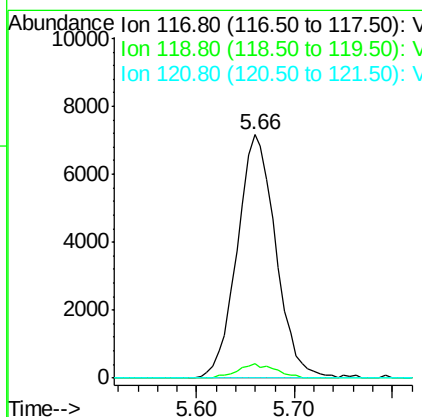
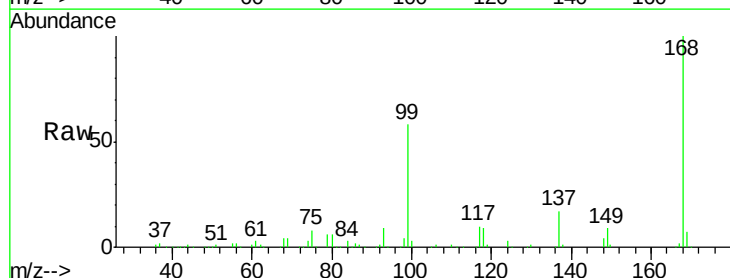
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-TB-2019-2

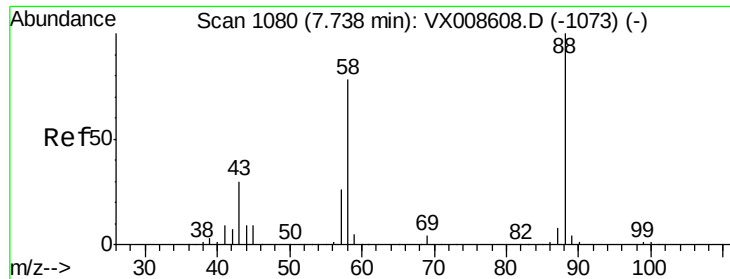
Tot Ion	75	Resp	16857
Ion Ratio	100	Lower	Upper
75	100		
110	9.1	16.4	49.2#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.246 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008702.D
 Acq: 05 Apr 2019 23:12

Tgt Ion	117	Resp	19585
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.8	75.0	112.6#
121	0.0	24.3	36.5#





#49

1,4-Dioxane

Concen: 0.293 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.07 min

Lab File: VX008702.D

Acq: 05 Apr 2019 23:12

Instrument :

MSVOA_X

ClientSampled :

SB-TB-2019-2

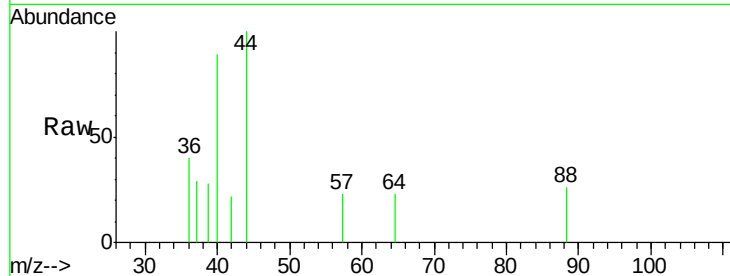
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 195.5 28.6 43.0#

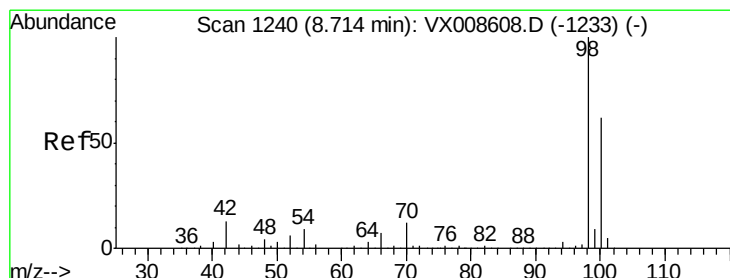
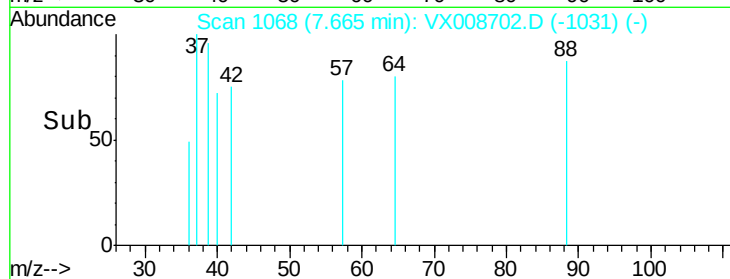
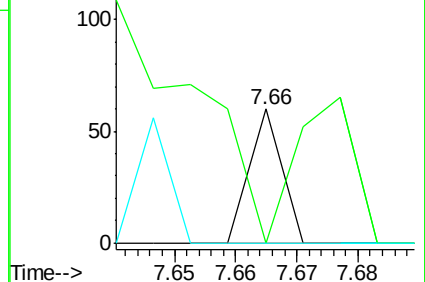
58 0.0 62.2 93.2#



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: 49.115 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008702.D

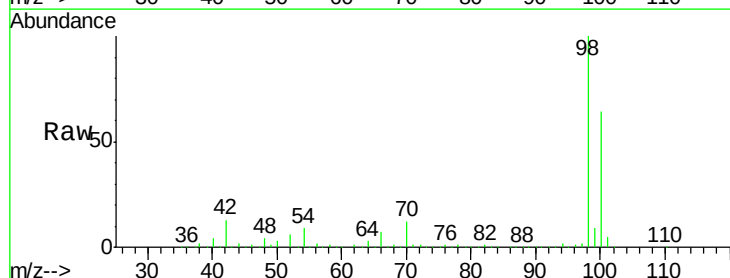
Acq: 05 Apr 2019 23:12

Tgt Ion: 98 Resp: 433349

Ion Ratio Lower Upper

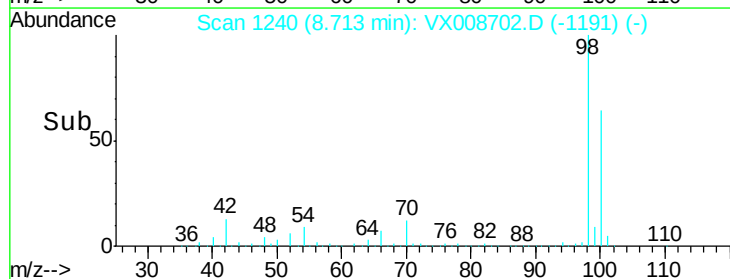
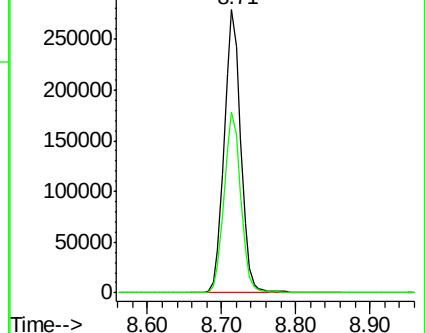
98 100

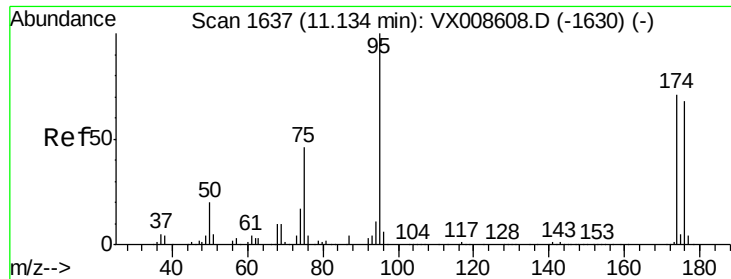
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.897 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008702.D

Acq: 05 Apr 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

SB-TB-2019-2

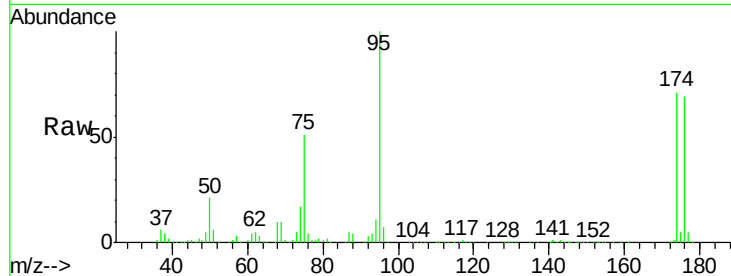
Tot Ion: 95 Resp: 146732

Ion Ratio Lower Upper

95 100

174 76.4 0.0 151.8

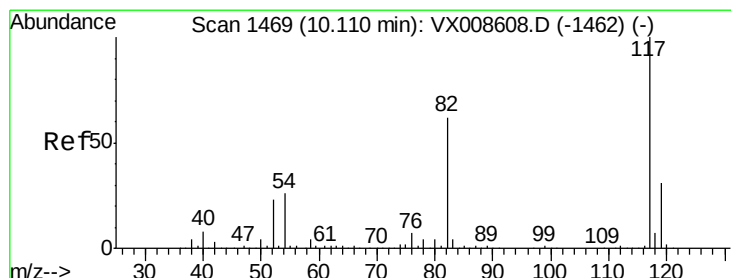
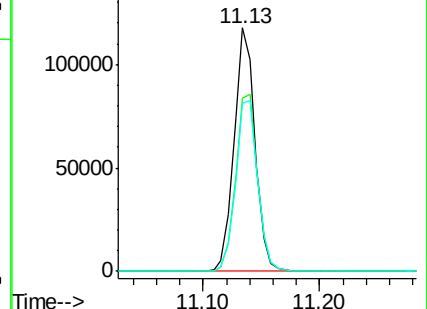
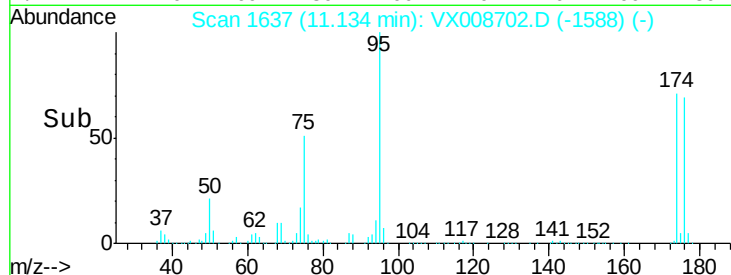
176 74.0 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008702.D

Acq: 05 Apr 2019 23:12

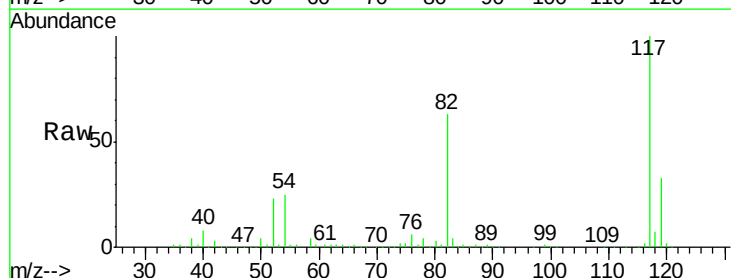
Tgt Ion: 117 Resp: 299839

Ion Ratio Lower Upper

117 100

82 62.5 49.6 74.4

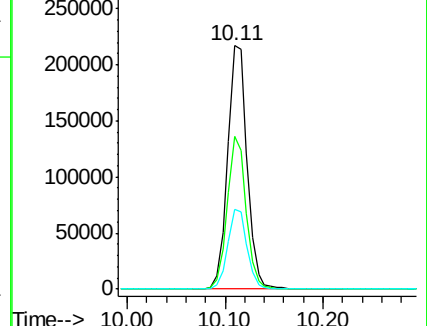
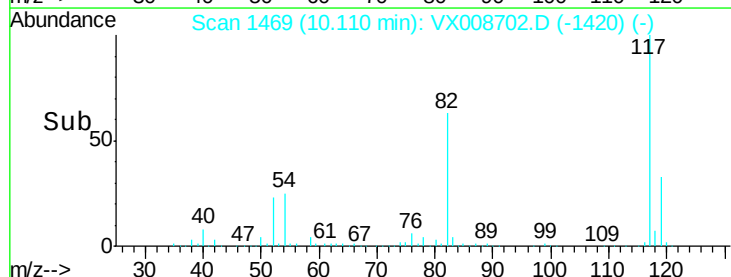
119 32.9 25.0 37.4

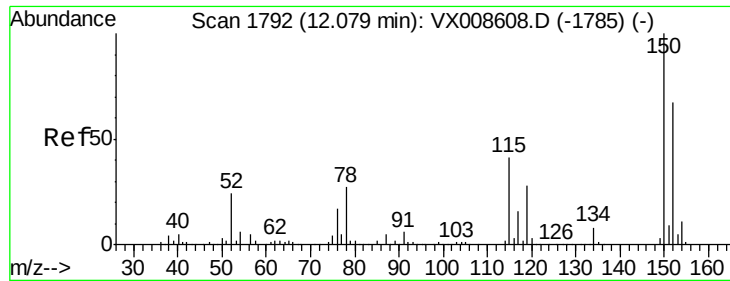


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)



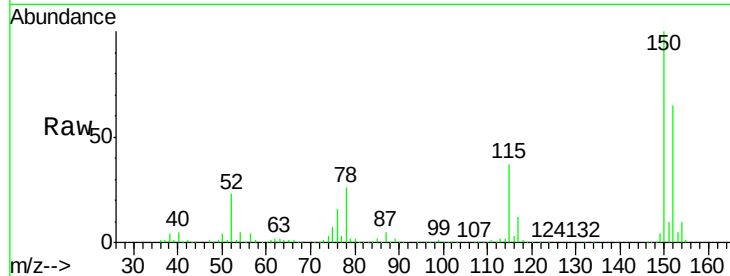


#72

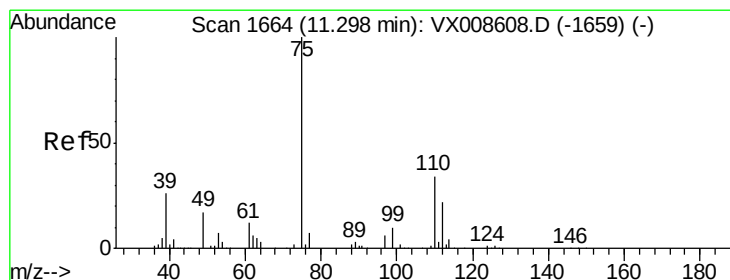
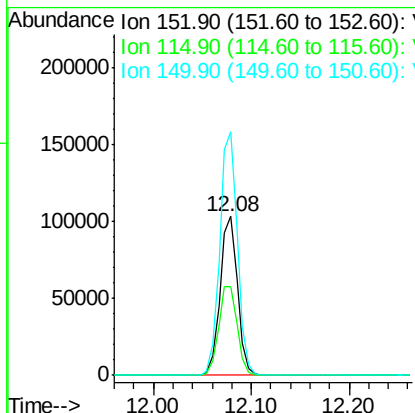
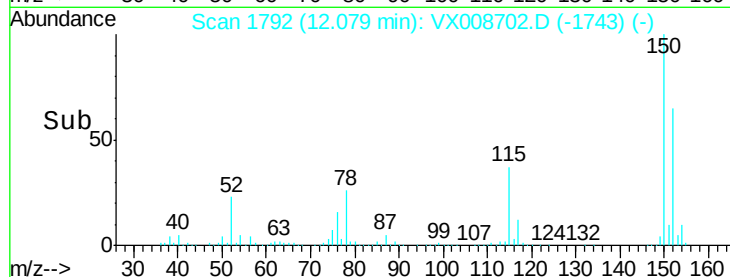
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008702.D
Acq: 05 Apr 2019 23:12

Instrument :
MSVOA_X
ClientSampleId :
SB-TB-2019-2

Tot Ion:152 Resp: 126813
Ion Ratio Lower Upper
152 100
115 59.8 43.5 130.5
150 155.3 0.0 348.8



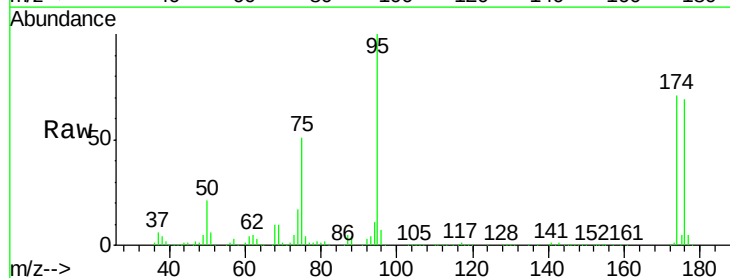
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



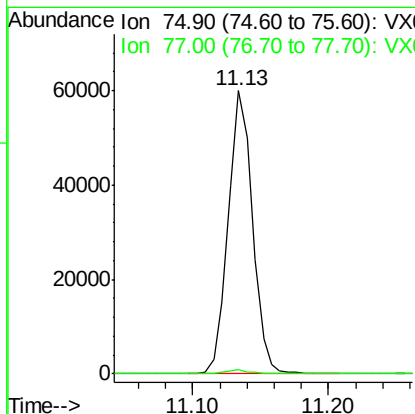
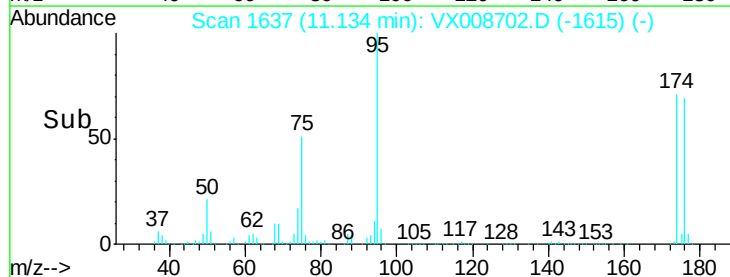
#76

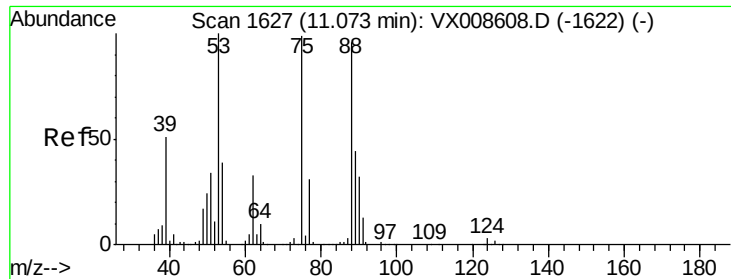
1,2,3-Trichloropropane
Concen: 21.398 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008702.D
Acq: 05 Apr 2019 23:12

Tgt Ion: 75 Resp: 74542
Ion Ratio Lower Upper
75 100
77 1.3 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.983 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008702.D

Acq: 05 Apr 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

SB-TB-2019-2

Tot Ion: 75 Resp: 74542

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#

