

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008618.D
 Acq On : 03 Apr 2019 17:20
 Operator : JC/SP
 Sample : K2247-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190402

Quant Time: Apr 04 04:55:15 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	5.67	168	217082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364547	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128101	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	150404	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
35) Dibromofluoromethane	5.49	113	110181	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
50) Toluene-d8	8.71	98	458281	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.13	95	153466	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	

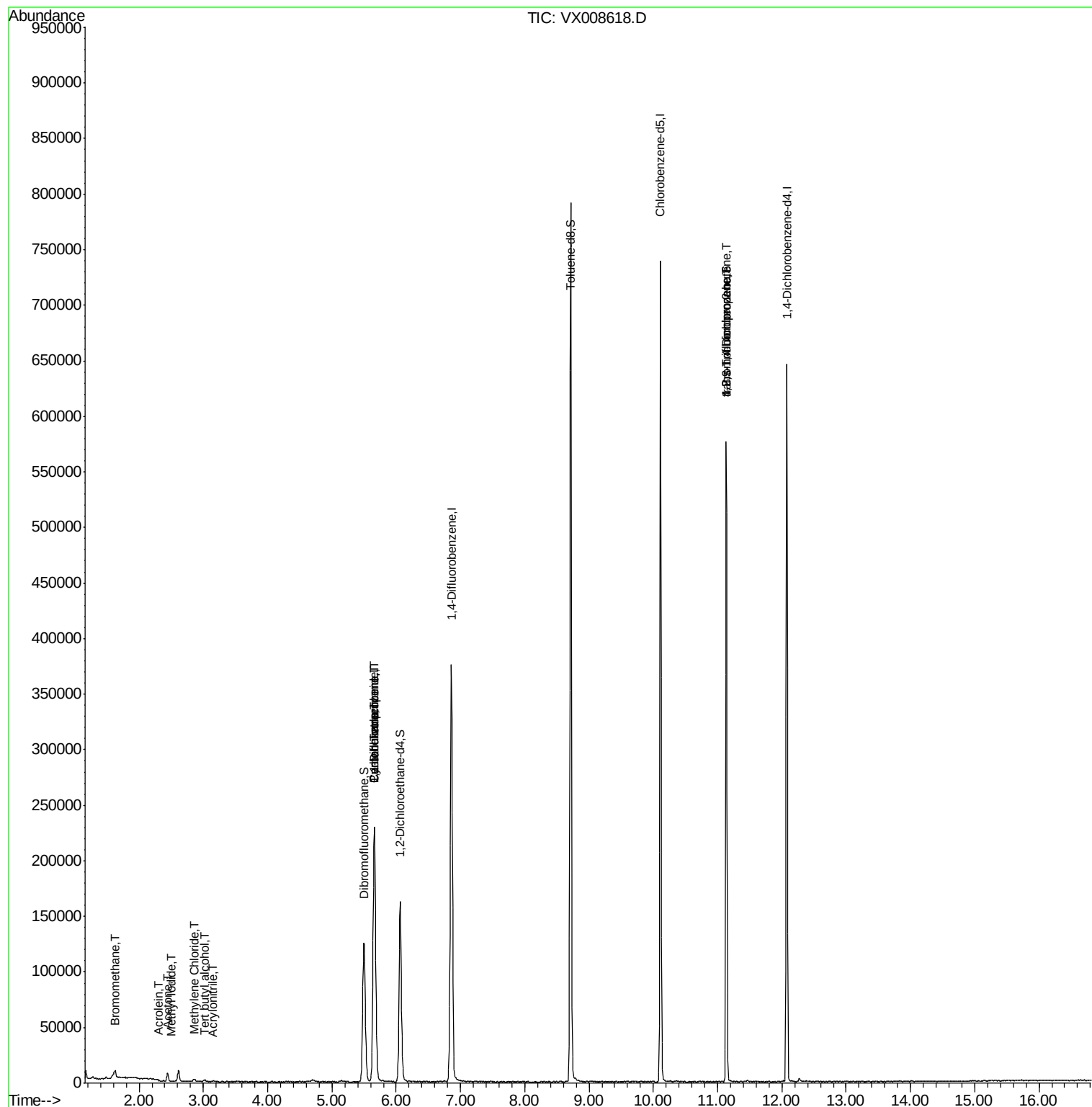
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	608	Below Cal	#	85
5) Bromomethane	1.64	94	624	2.246	ug/l	97
6) Chloroethane	1.75	64	2957	Below Cal	#	65
10) Methyl Iodide	2.51	142	349	4.150	ug/l #	81
11) Tert butyl alcohol	3.01	59	1345	1.814	ug/l #	87
13) Acrolein	2.30	56	257	0.699	ug/l #	55
15) Acrylonitrile	3.15	53	413	0.210	ug/l #	88
16) Acetone	2.44	43	8042	4.410	ug/l	99
17) Carbon Disulfide	2.57	76	804	Below Cal	#	79
20) Methylene Chloride	2.86	84	1105	0.362	ug/l #	76
28) Bromochloromethane	5.03	49	82	Below Cal	#	22
31) Cyclohexane	5.67	56	5142	0.940	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18160	4.557	ug/l #	51
38) Carbon Tetrachloride	5.66	117	21159	6.415	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	77522	22.029	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	77522	60.725	ug/l #	9

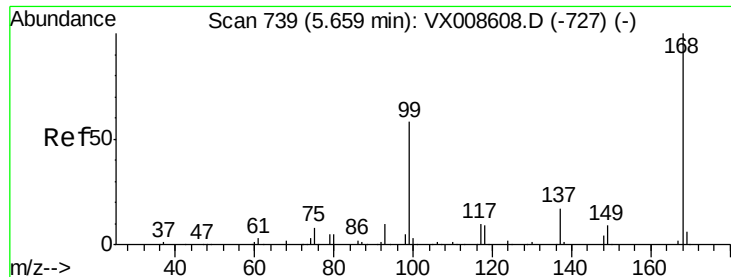
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040319\
Data File : VX008618.D
Acq On : 03 Apr 2019 17:20
Operator : JC/SP
Sample : K2247-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-01-190402

Quant Time: Apr 04 04:55:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008618.D

Acq: 03 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

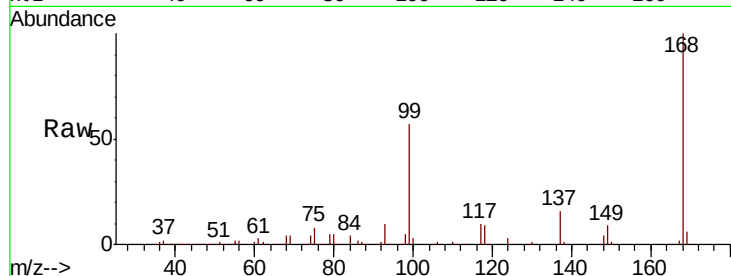
TB-01-190402

Tot Ion:168 Resp: 217082

Ion Ratio Lower Upper

168 100

99 57.2 46.7 70.1



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

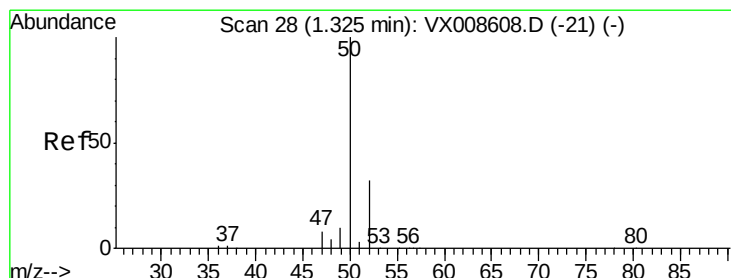
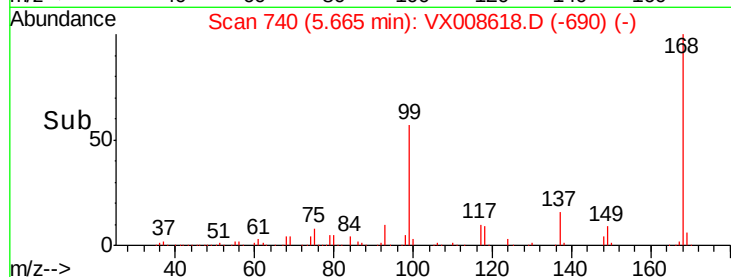
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008618.D

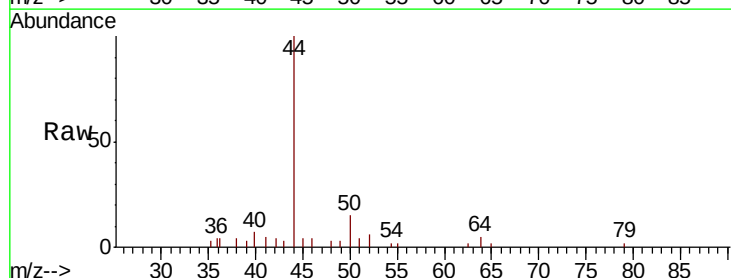
Acq: 03 Apr 2019 17:20

Tgt Ion: 50 Resp: 608

Ion Ratio Lower Upper

50 100

52 24.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

300

200

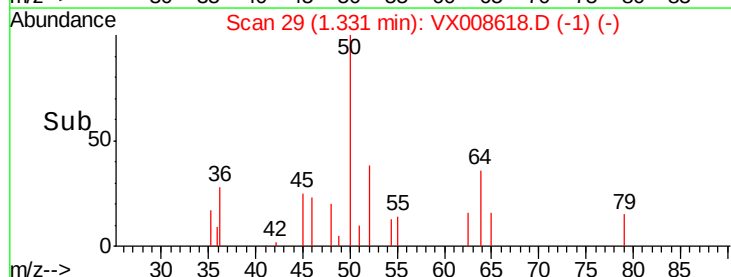
100

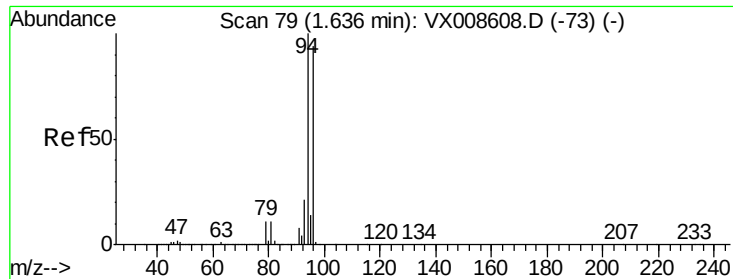
0

Time-->

1.30

1.35





#5

Bromomethane

Concen: 2.246 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008618.D

Acq: 03 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

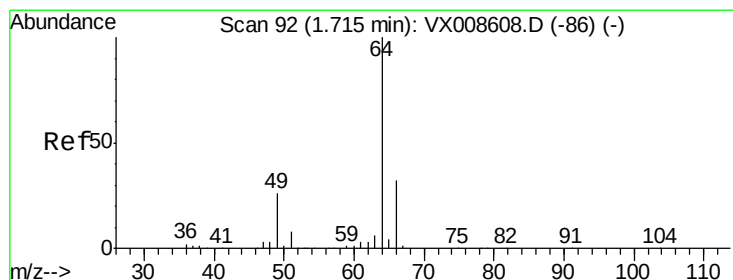
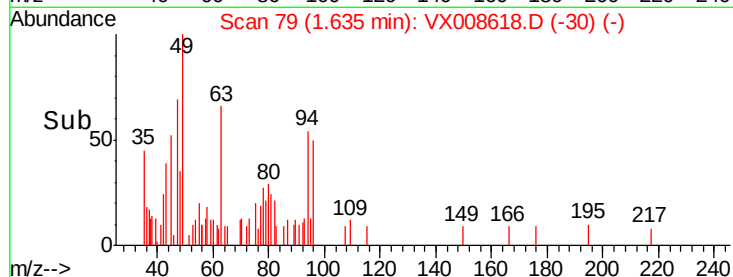
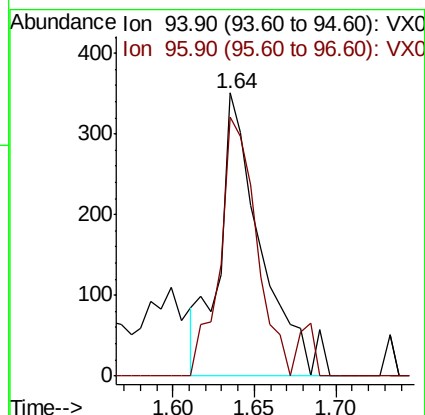
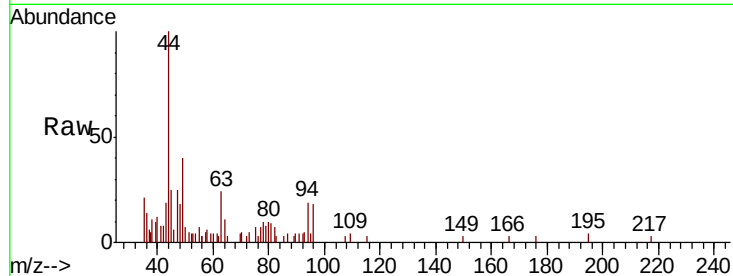
TB-01-190402

Tot Ion: 94 Resp: 624

Ion Ratio Lower Upper

94 100

96 91.5 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX008618.D

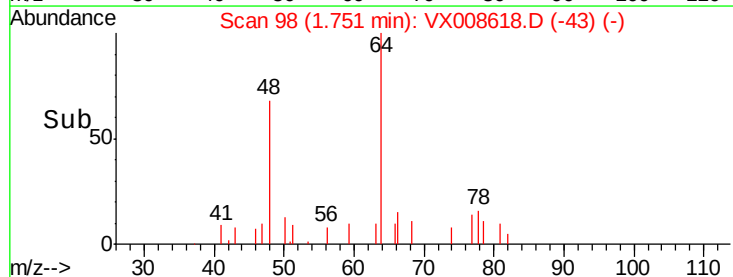
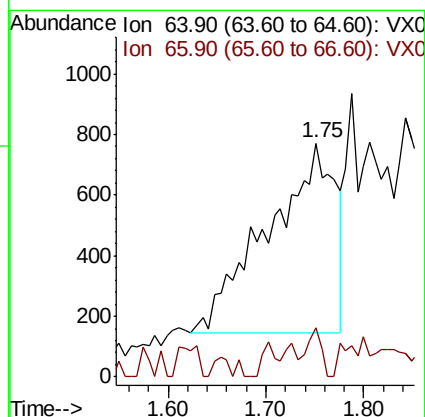
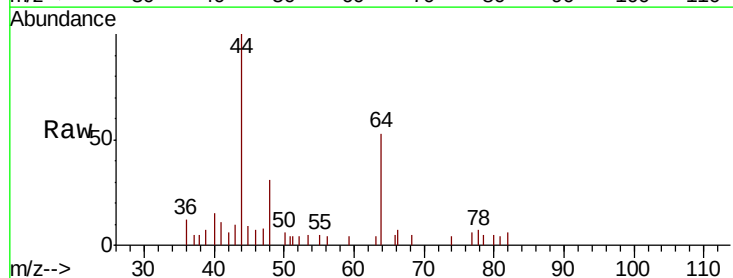
Acq: 03 Apr 2019 17:20

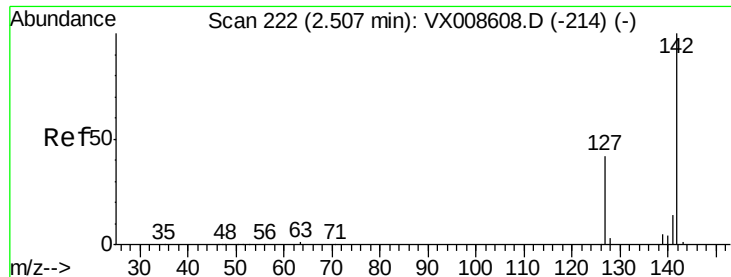
Tgt Ion: 64 Resp: 2957

Ion Ratio Lower Upper

64 100

66 12.0 25.4 38.0#

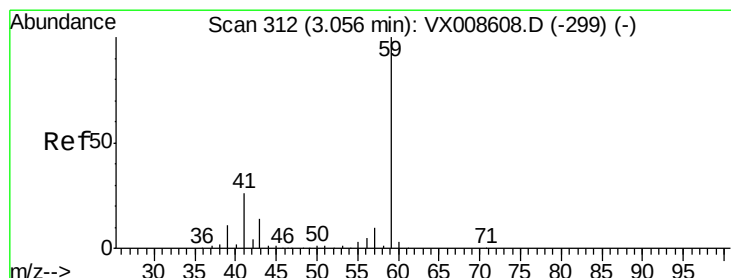
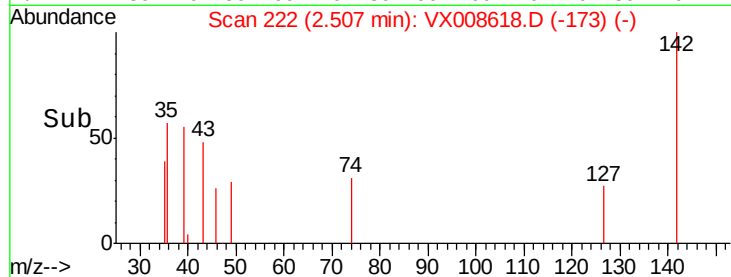
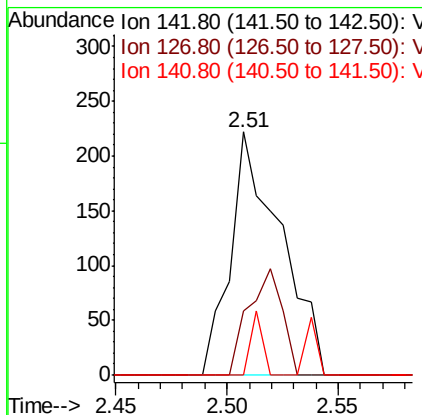
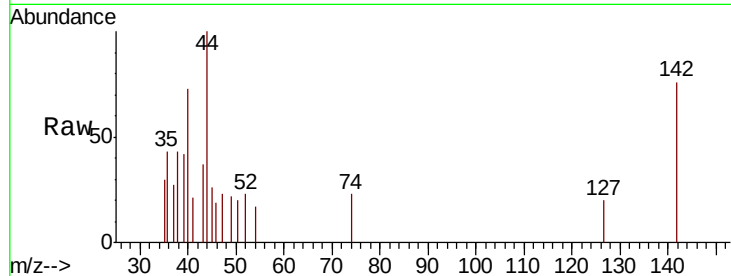




#10
Methvl Iodide
Concen: 4.150 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008618.D
Acq: 03 Apr 2019 17:20

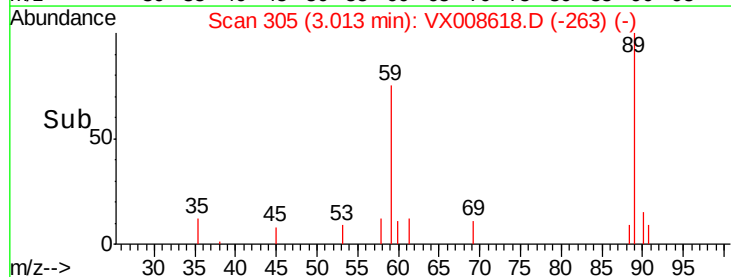
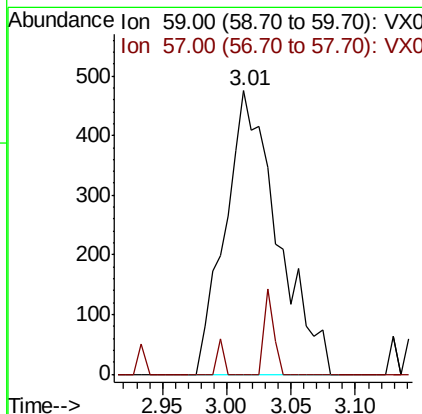
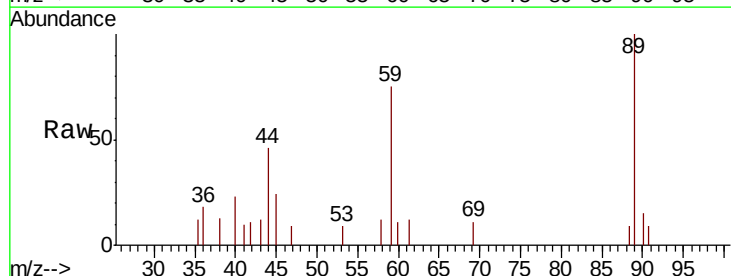
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190402

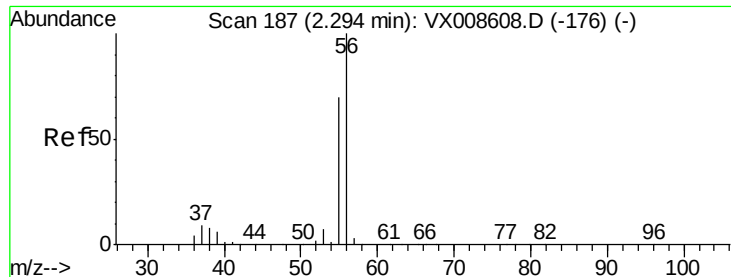
Tot Ion:142 Resp: 349
Ion Ratio Lower Upper
142 100
127 29.5 33.0 49.6#
141 6.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.814 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008618.D
Acq: 03 Apr 2019 17:20

Tgt Ion: 59 Resp: 1345
Ion Ratio Lower Upper
59 100
57 5.4 8.3 12.5#





#13

Acrolein

Concen: 0.699 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008618.D

Acq: 03 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

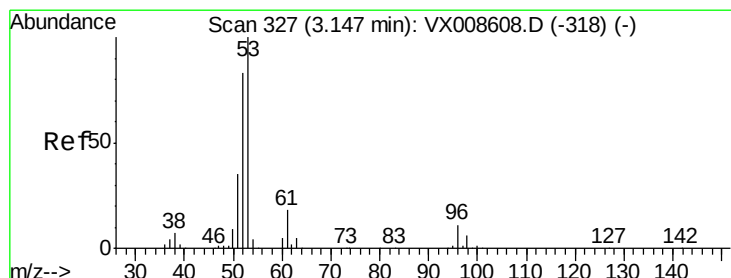
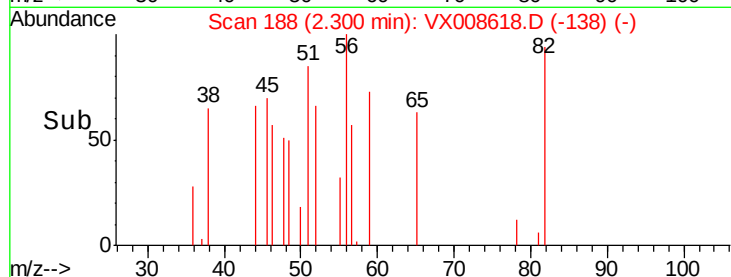
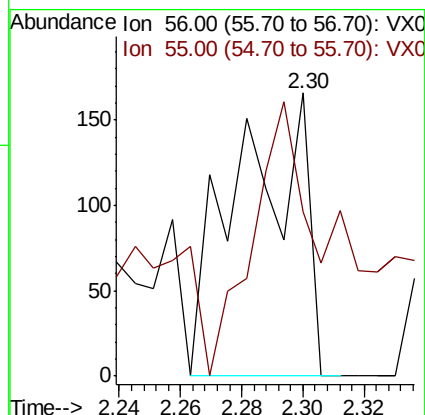
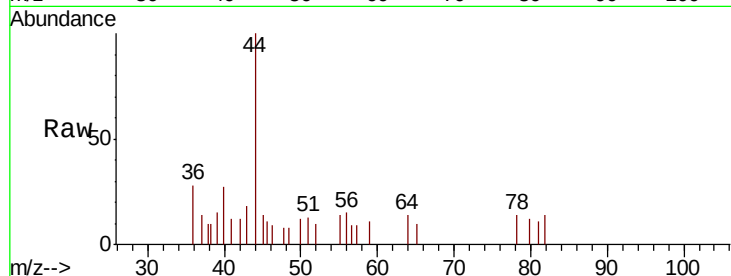
TB-01-190402

Tot Ion: 56 Resp: 257

Ion Ratio Lower Upper

56 100

55 109.7 58.0 87.0#



#15

Acrylonitrile

Concen: 0.210 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008618.D

Acq: 03 Apr 2019 17:20

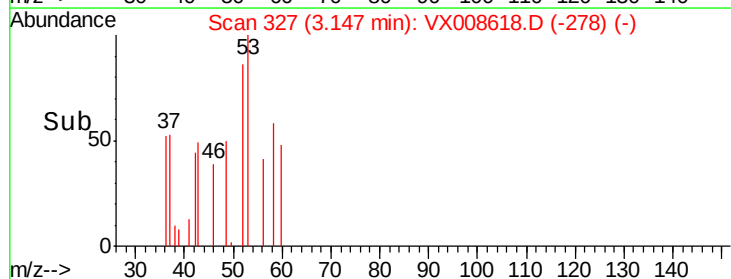
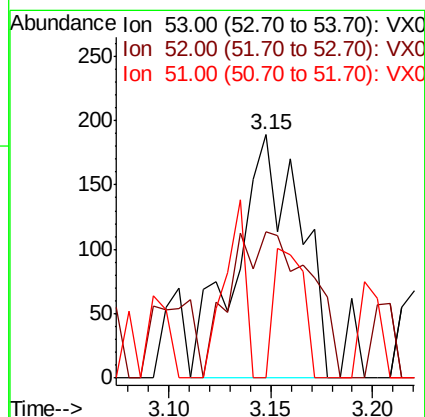
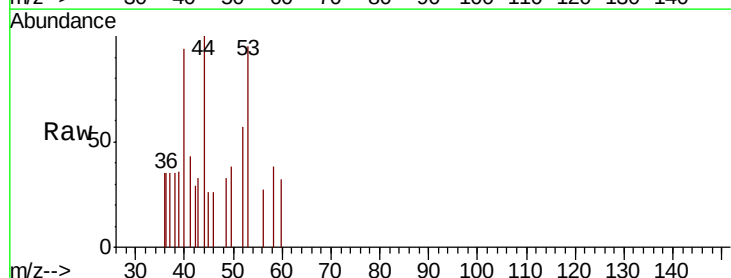
Tgt Ion: 53 Resp: 413

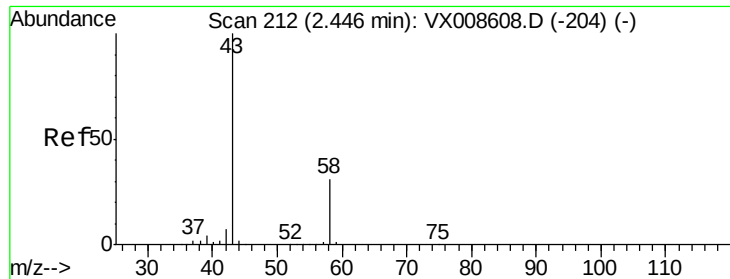
Ion Ratio Lower Upper

53 100

52 74.8 66.5 99.7

51 24.7 28.6 42.8#





#16

Acetone

Concen: 4.410 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008618.D

Acq: 03 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

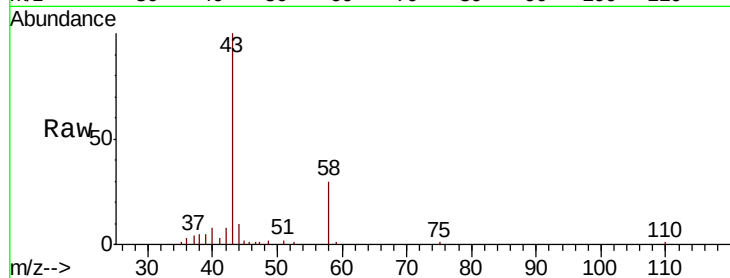
TB-01-190402

Tot Ion: 43 Resp: 8042

Ion Ratio Lower Upper

43 100

58 30.4 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

5000

4000

3000

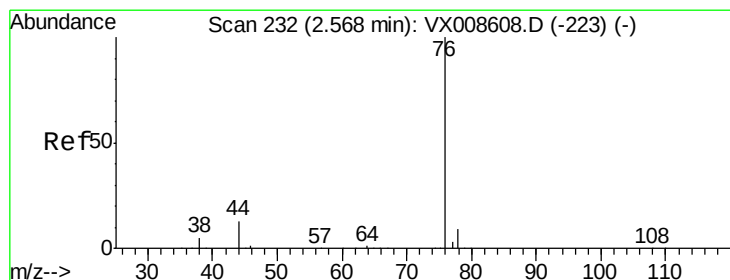
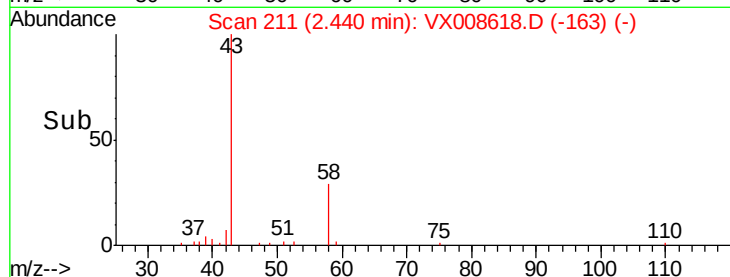
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008618.D

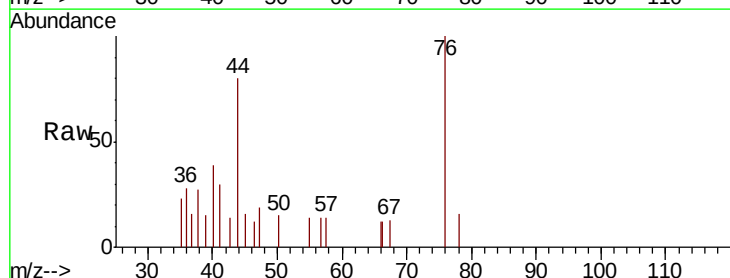
Acq: 03 Apr 2019 17:20

Tgt Ion: 76 Resp: 804

Ion Ratio Lower Upper

76 100

78 16.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

500

400

300

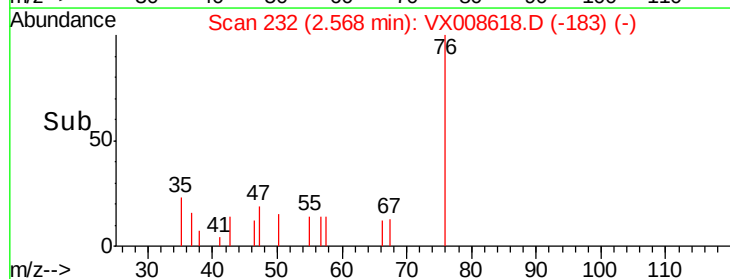
200

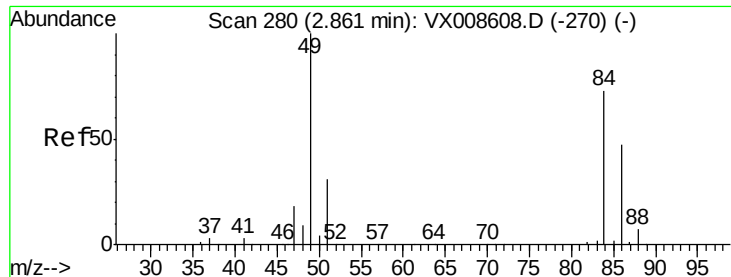
100

0

Time-->

2.50 2.55 2.60

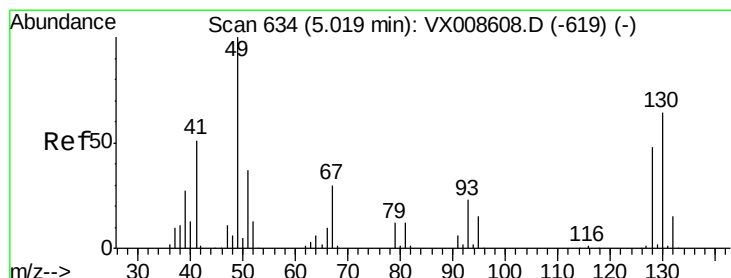
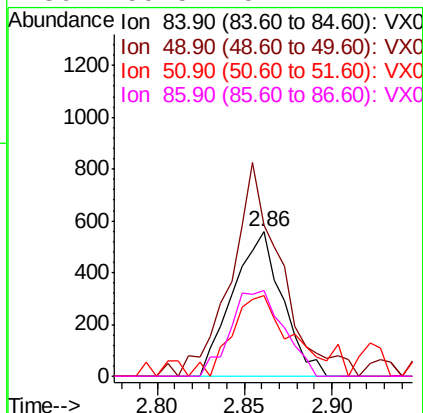
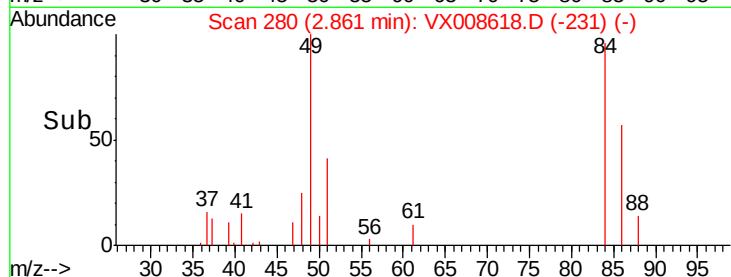
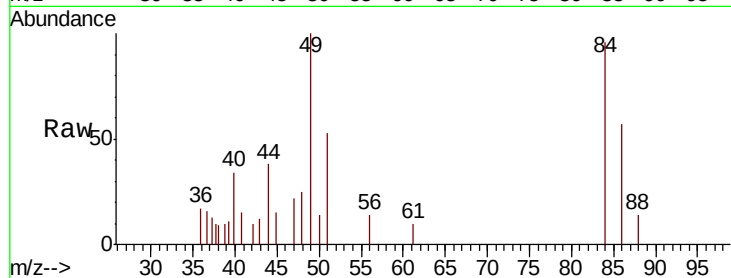




#20
Methylene Chloride
Concen: 0.362 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008618.D
Acq: 03 Apr 2019 17:20

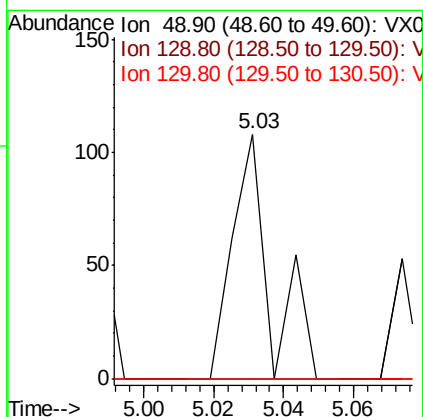
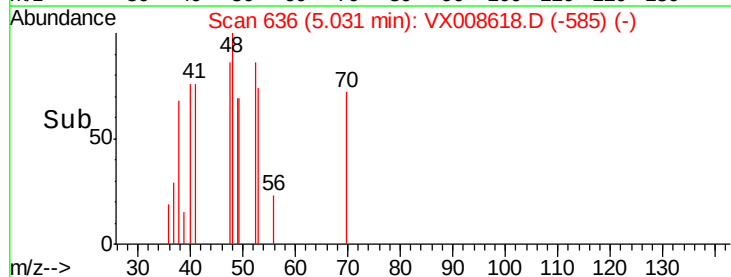
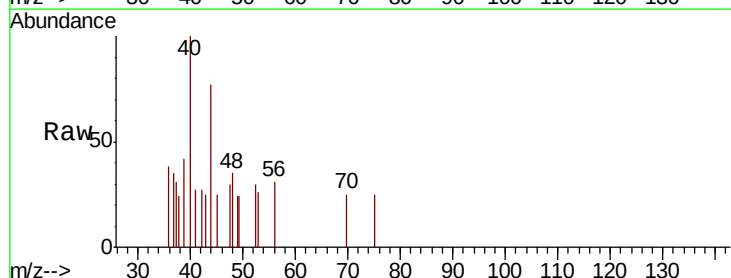
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190402

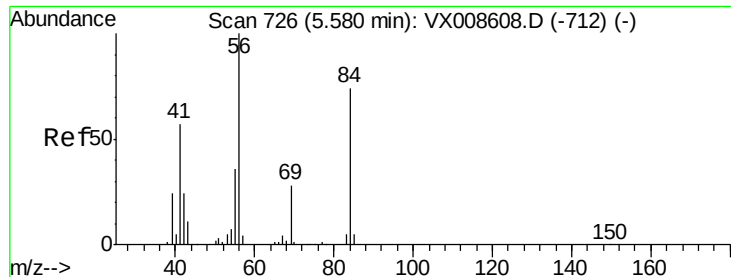
Tot Ion:	84	Resp:	1105
Ion	Ratio	Lower	Upper
84	100		
49	90.7	109.7	164.5#
51	44.6	33.6	50.4
86	59.5	51.4	77.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX008618.D
Acq: 03 Apr 2019 17:20

Tgt Ion:	49	Resp:	82
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	49.3	73.9#

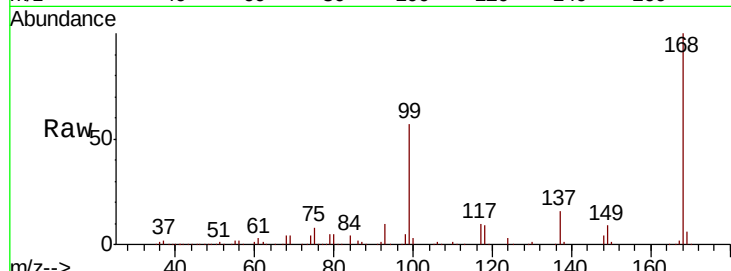




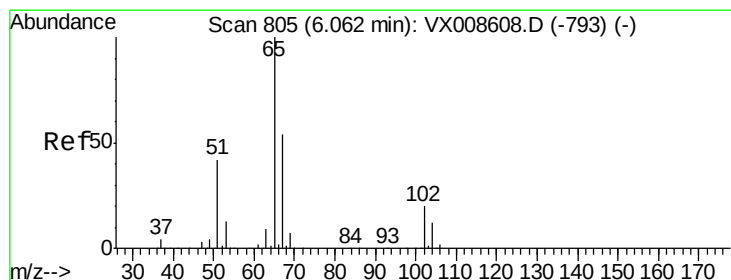
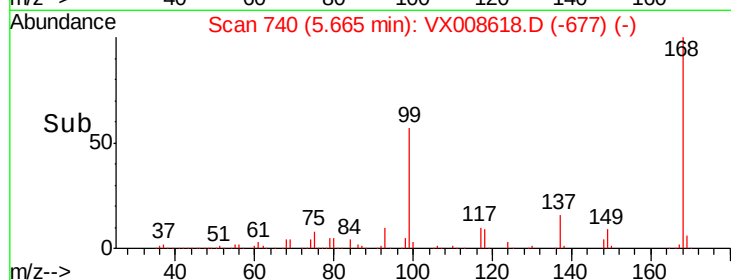
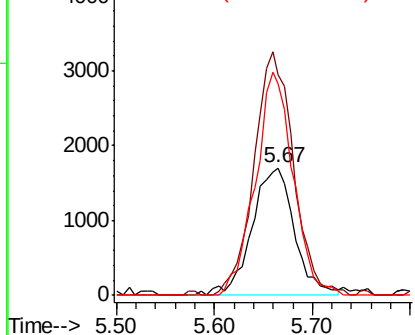
#31
Cyclohexane
Concen: 0.940 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008618.D
Acq: 03 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
TB-01-190402

Tot Ion: 56 Resp: 5142
Ion Ratio Lower Upper
56 100
69 169.9 22.6 33.8#
84 165.4 59.3 88.9#

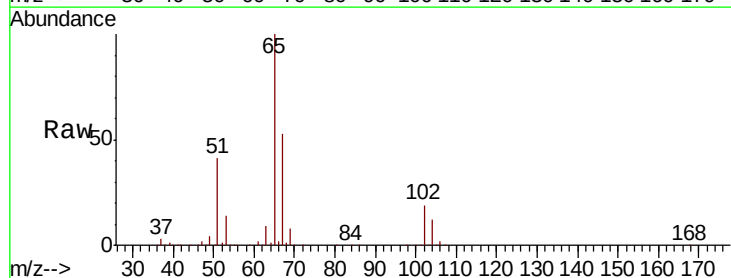


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

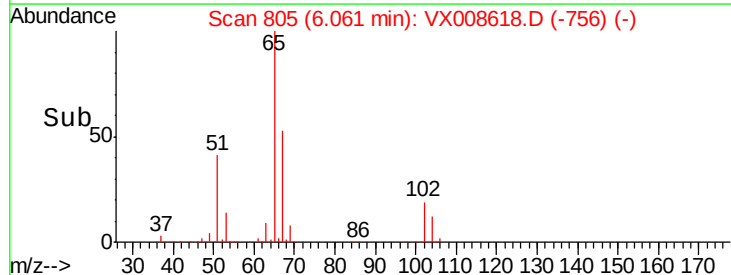
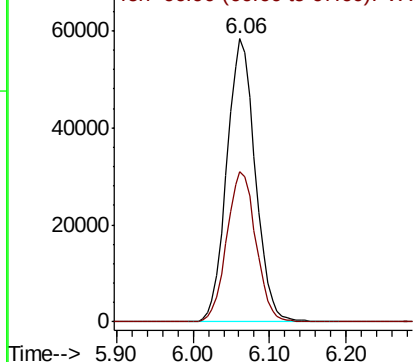


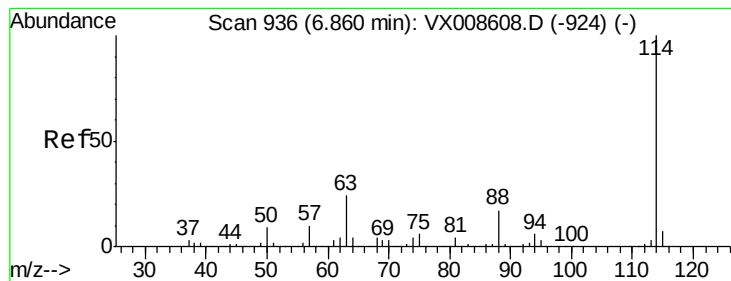
#33
1,2-Dichloroethane-d4
Concen: 47.502 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008618.D
Acq: 03 Apr 2019 17:20

Tgt Ion: 65 Resp: 150404
Ion Ratio Lower Upper
65 100
67 54.4 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: VX008618.D

Acq: 03 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190402

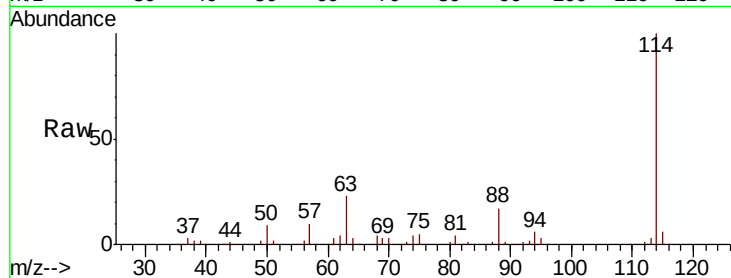
Tot Ion:114 Resp: 364547

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.2

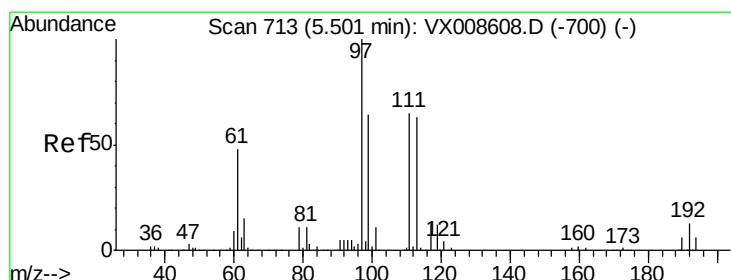
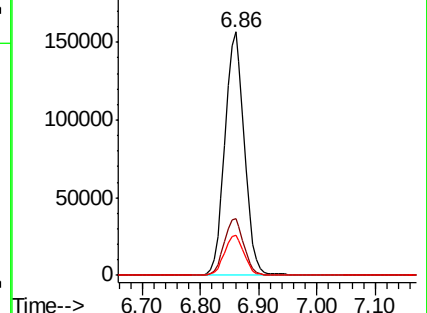
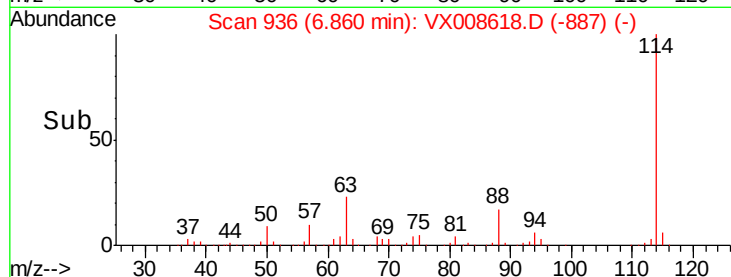
88 16.7 0.0 34.0



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: 47.272 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008618.D

Acq: 03 Apr 2019 17:20

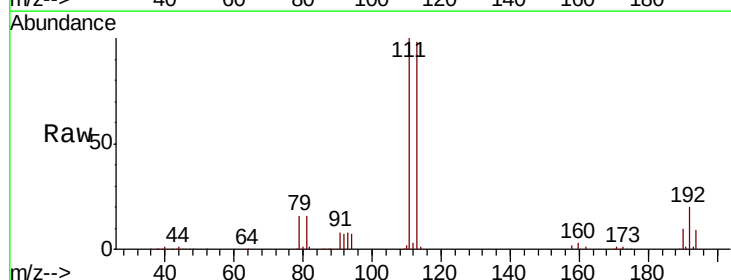
Tgt Ion:113 Resp: 110181

Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.2

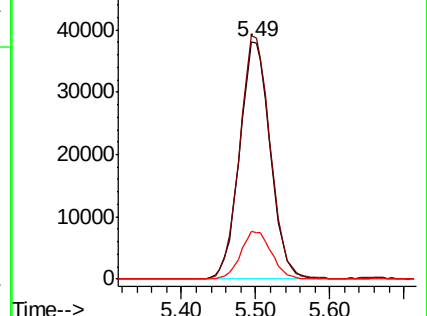
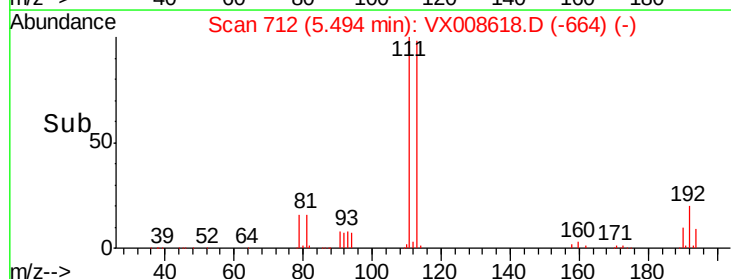
192 20.1 16.1 24.1

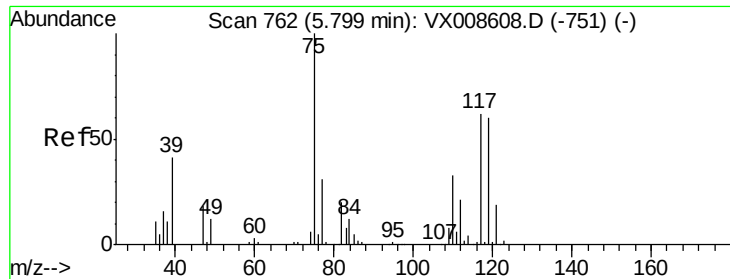


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

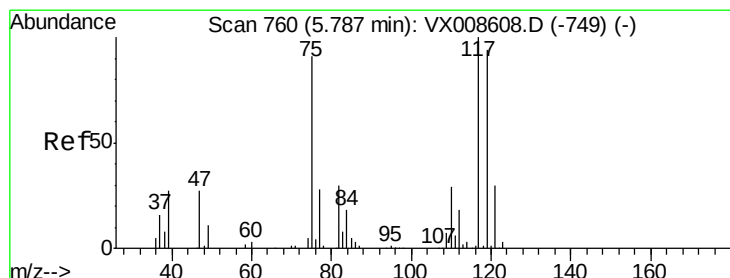
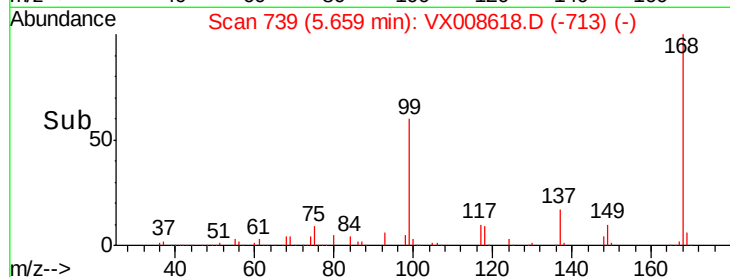
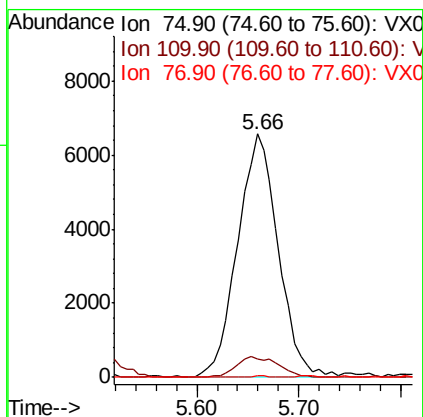
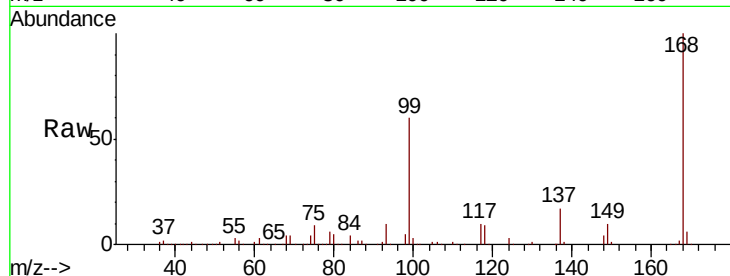




#36
 1,1-Dichloropropene
 Concen: 4.557 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008618.D
 Acq: 03 Apr 2019 17:20

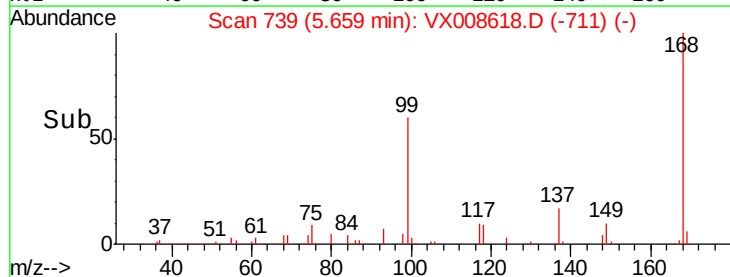
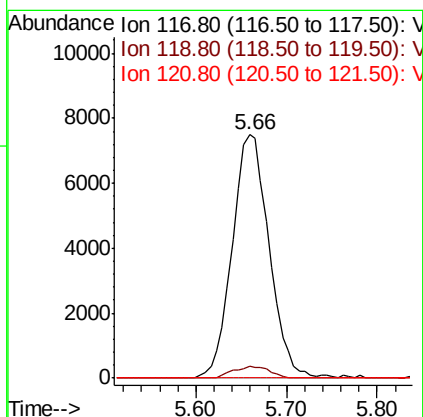
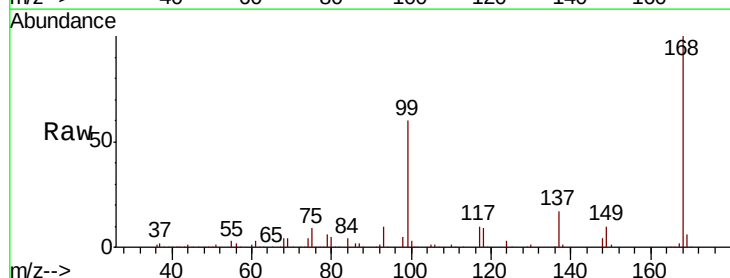
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190402

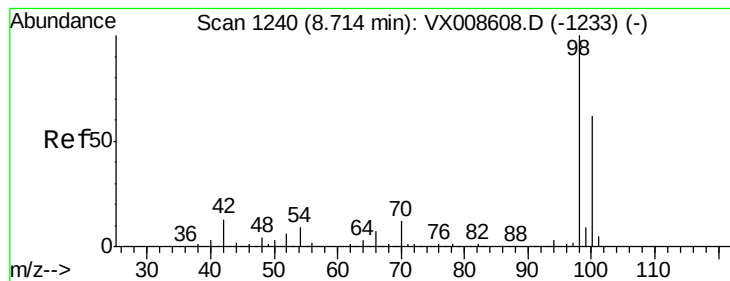
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.4	49.2#
77	0.2	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.415 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008618.D
 Acq: 03 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.0	112.6#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: 49.381 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008618.D

Acq: 03 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

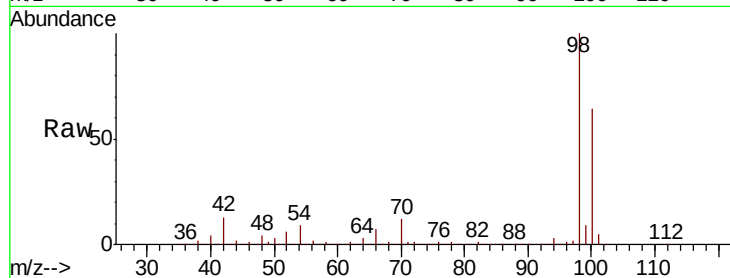
TB-01-190402

Tot Ion: 98 Resp: 458281

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

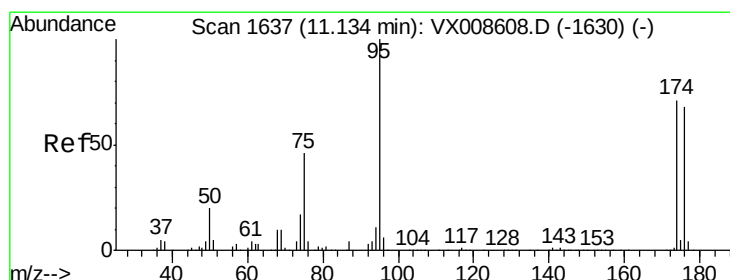
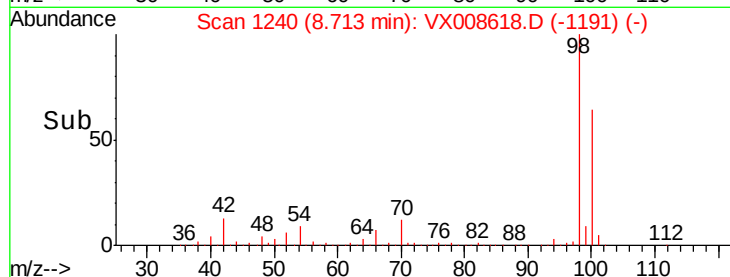
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.632 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008618.D

Acq: 03 Apr 2019 17:20

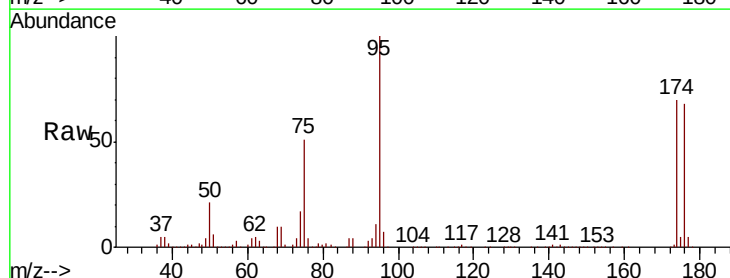
Tgt Ion: 95 Resp: 153466

Ion Ratio Lower Upper

95 100

174 75.1 0.0 151.8

176 72.4 0.0 145.8



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

11.13

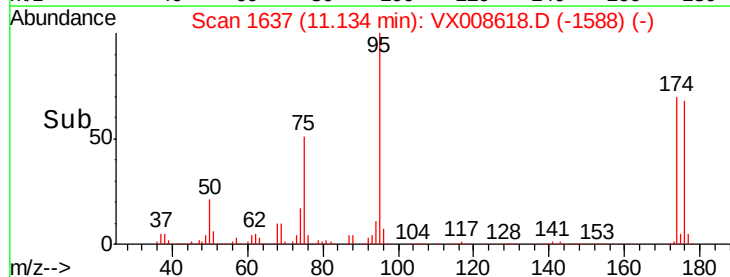
150000

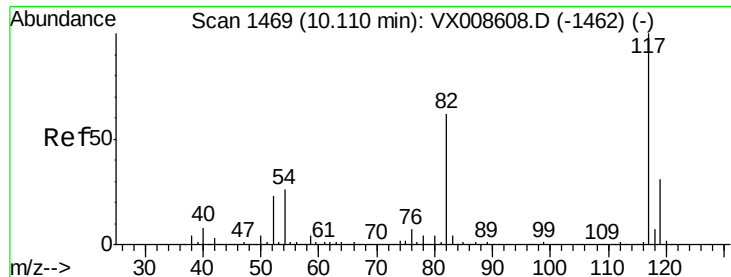
100000

50000

0

Time-->

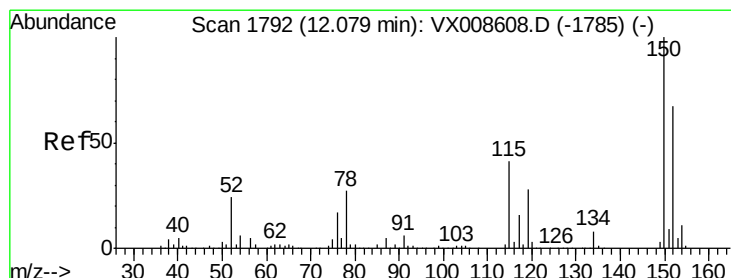
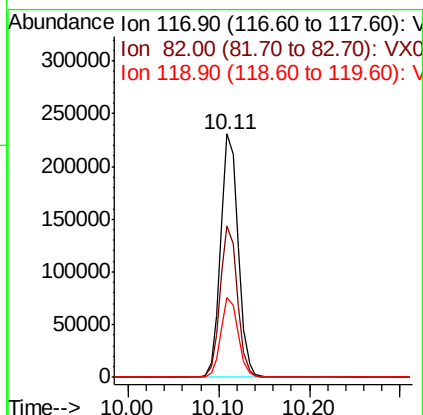
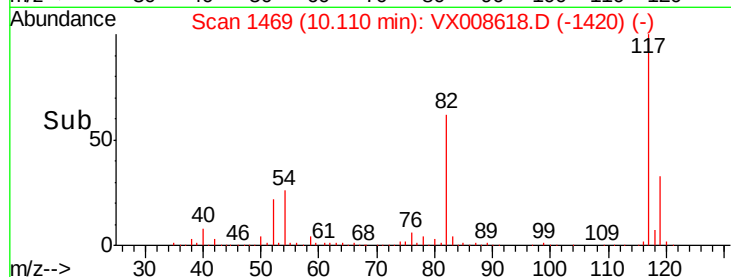
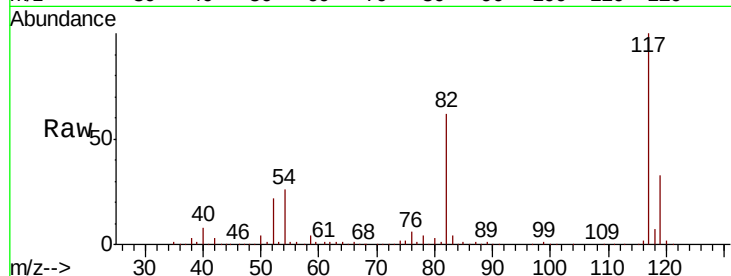




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008618.D
Acq: 03 Apr 2019 17:20

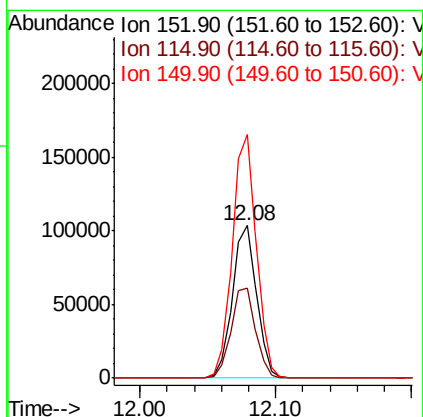
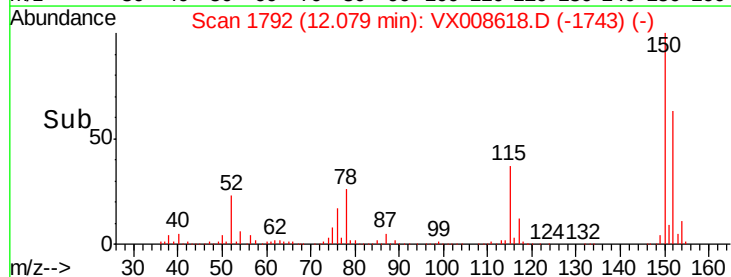
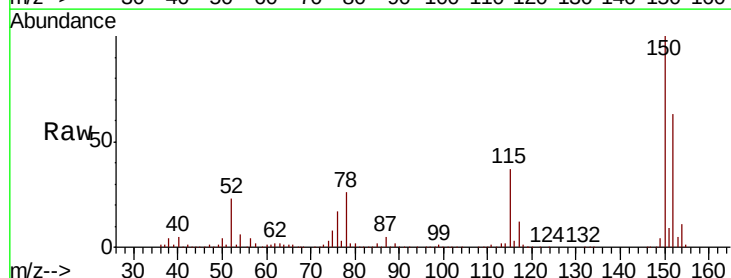
Instrument :
MSVOA_X
ClientSampled :
TB-01-190402

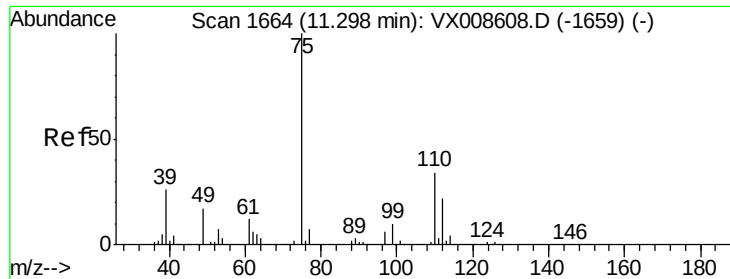
Tot Ion:117 Resp: 312900
Ion Ratio Lower Upper
117 100
82 62.1 49.6 74.4
119 32.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008618.D
Acq: 03 Apr 2019 17:20

Tgt Ion:152 Resp: 128101
Ion Ratio Lower Upper
152 100
115 60.4 43.5 130.5
150 158.8 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 22.029 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008618.D

Acq: 03 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

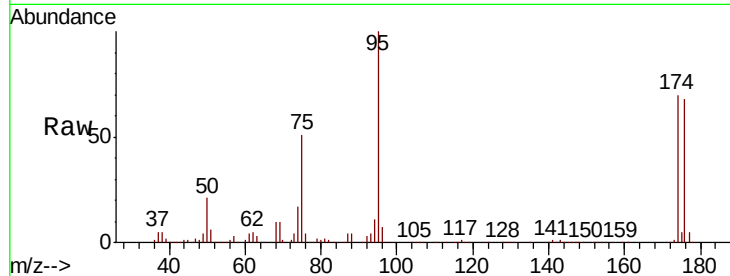
TB-01-190402

Tot Ion: 75 Resp: 77522

Ion Ratio Lower Upper

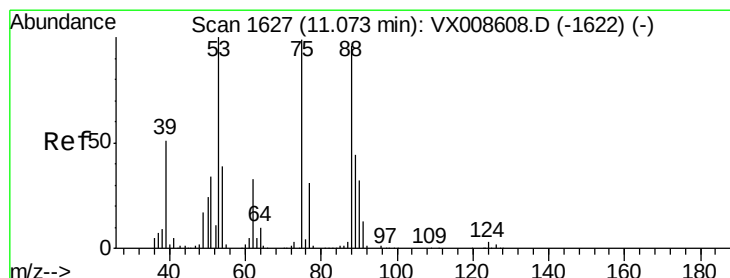
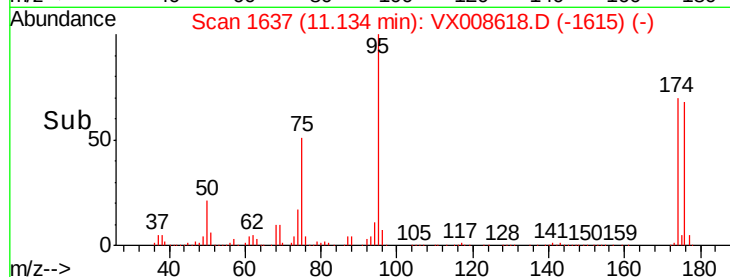
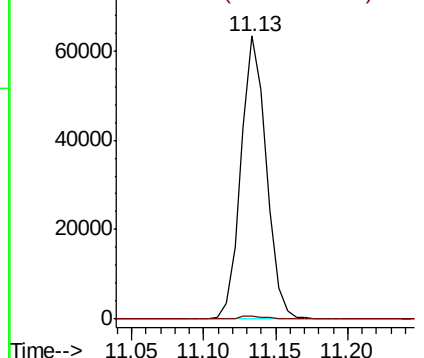
75 100

77 1.2 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: 60.725 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008618.D

Acq: 03 Apr 2019 17:20

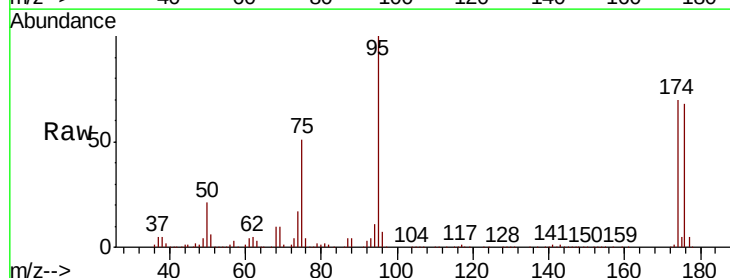
Tgt Ion: 75 Resp: 77522

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#



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

