

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
 Data File : VX008454.D
 Acq On : 26 Mar 2019 14:07
 Operator : JC/SP
 Sample : K2102-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190325

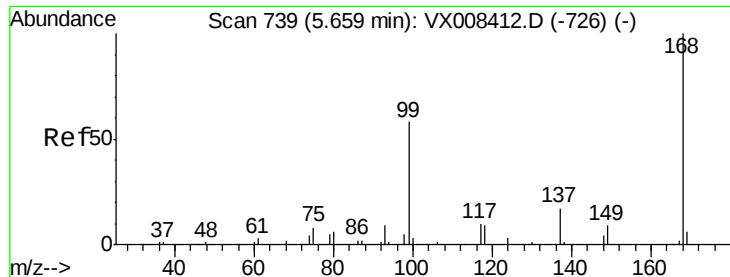
Quant Time: Mar 27 01:51:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387253	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	329978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134406	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	163968	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	5.50	113	121440	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
50) Toluene-d8	8.71	98	485442	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.13	95	161610	43.19	ug/l	0.00
Spiked Amount			Recovery	=	86.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	301	Below Cal	#	57
5) Bromomethane	1.64	94	346	1.978	ug/l	98
6) Chloroethane	1.59	64	4768	2.150	ug/l #	51
10) Methyl Iodide	2.52	142	230	4.214	ug/l #	51
13) Acrolein	2.28	56	148	0.267	ug/l #	1
16) Acetone	2.44	43	1678	0.931	ug/l	98
17) Carbon Disulfide	2.57	76	985	Below Cal	#	67
20) Methylene Chloride	2.86	84	753	Below Cal	#	81
21) trans-1,2-Dichloroethene	3.17	96	18	Below Cal	#	1
31) Cyclohexane	5.66	56	5057	0.915	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18941	4.587	ug/l #	52
38) Carbon Tetrachloride	5.65	117	22751	6.603	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	82120	20.552	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	82120	65.824	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008454.D

Acq: 26 Mar 2019 14:07

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MSVOA_X

ClientSampleId :

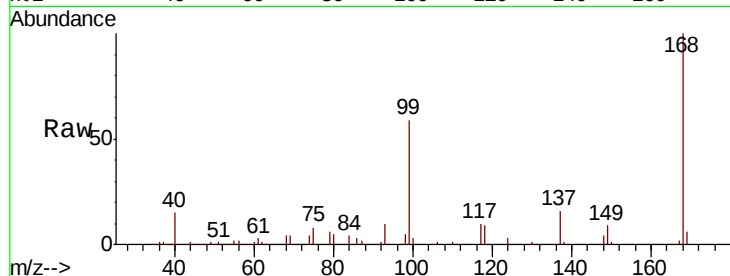
TT-TB-20190325

Tot Ion:168 Resp: 227480

Ion Ratio Lower Upper

168 100

99 59.4 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

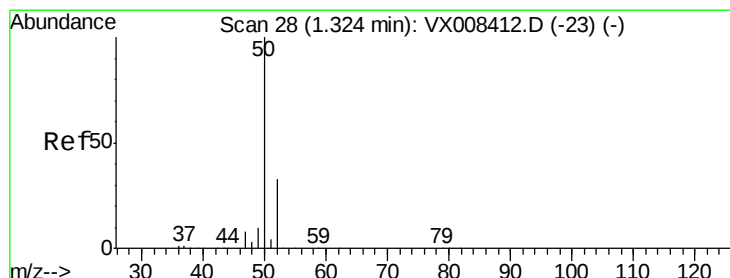
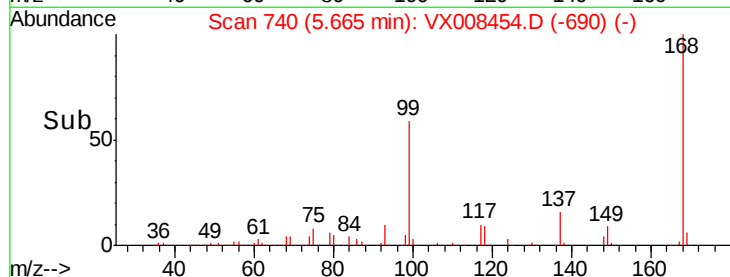
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008454.D

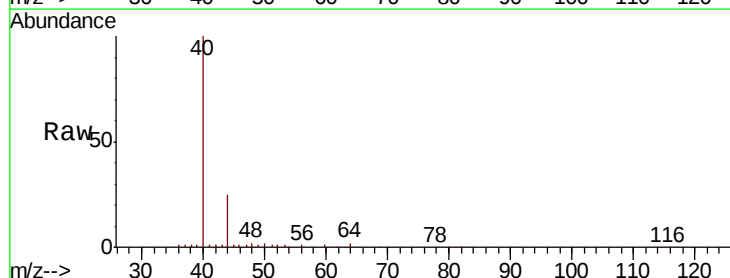
Acq: 26 Mar 2019 14:07

Tgt Ion: 50 Resp: 301

Ion Ratio Lower Upper

50 100

52 57.1 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

250

200

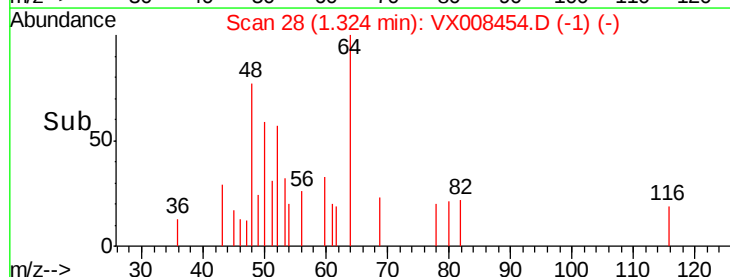
150

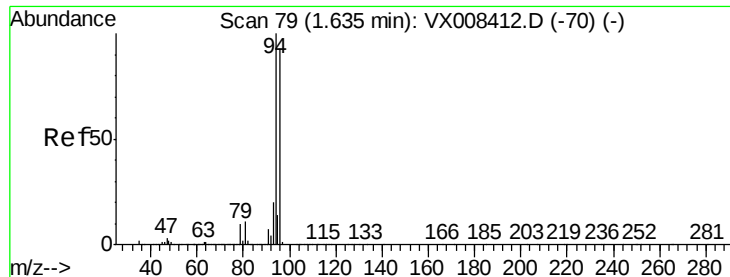
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 1.978 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008454.D

Acq: 26 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

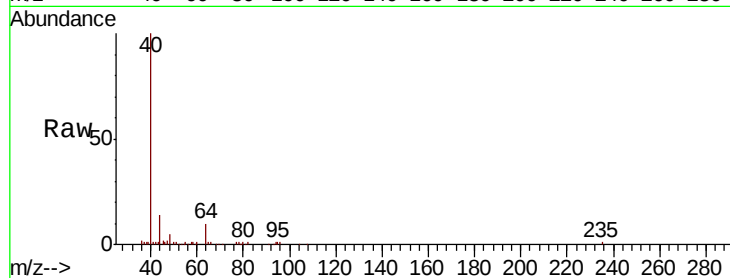
TT-TB-20190325

Tot Ion: 94 Resp: 346

Ion Ratio Lower Upper

94 100

96 95.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1.64

1.64

1.64

1.64

1.64

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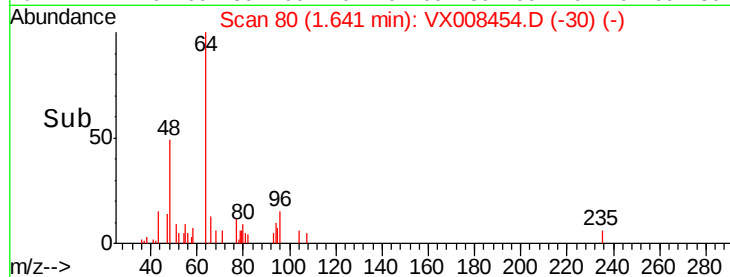
1.64

1.64

1.64

1.64

1.64



#6

Chloroethane

Concen: 2.150 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.12 min

Lab File: VX008454.D

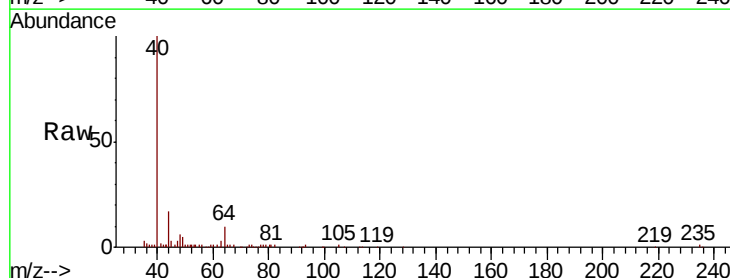
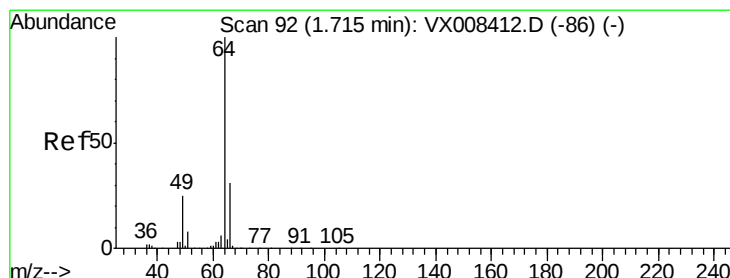
Acq: 26 Mar 2019 14:07

Tgt Ion: 64 Resp: 4768

Ion Ratio Lower Upper

64 100

66 4.2 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.59

1.59

1.59

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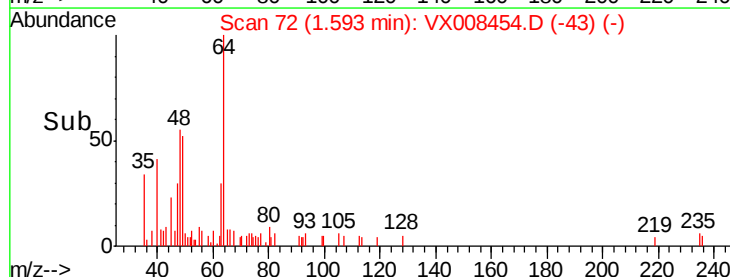
1.59

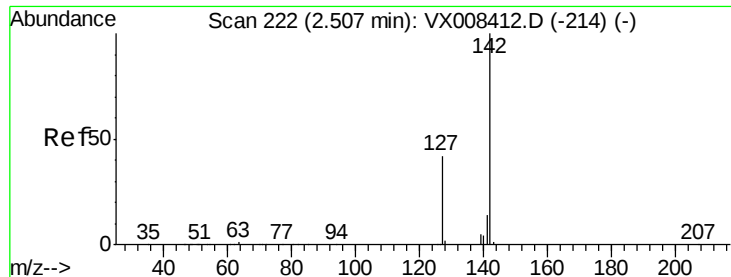
1.59

1.59

1.59

1.59

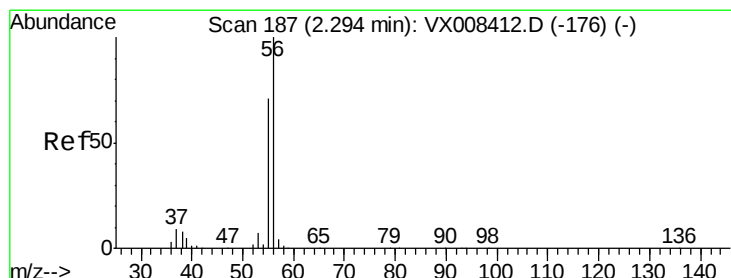
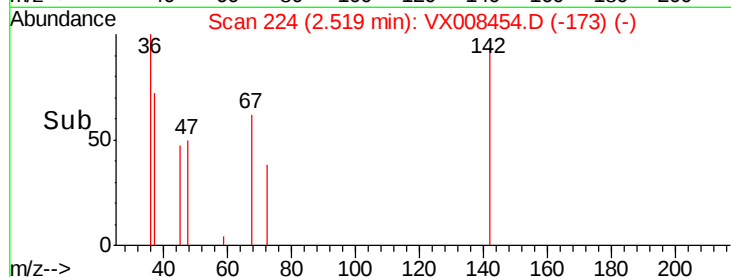
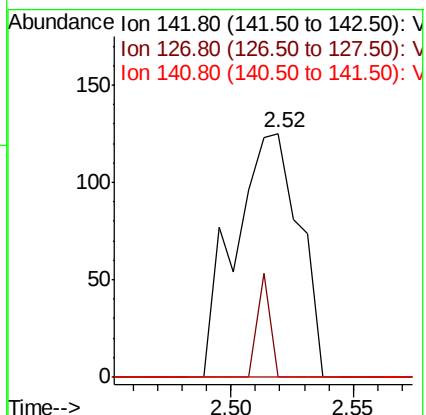
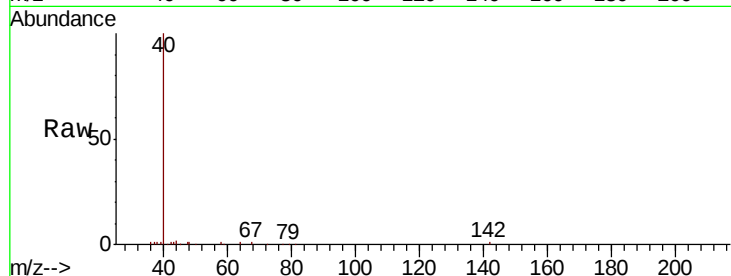




#10
Methvl Iodide
Concen: 4.214 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008454.D
Acq: 26 Mar 2019 14:07

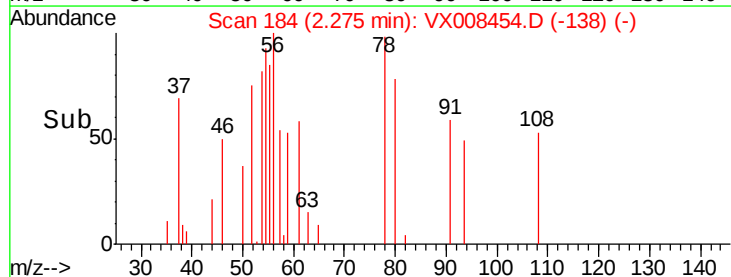
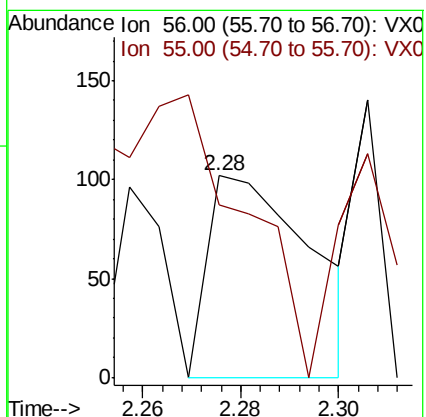
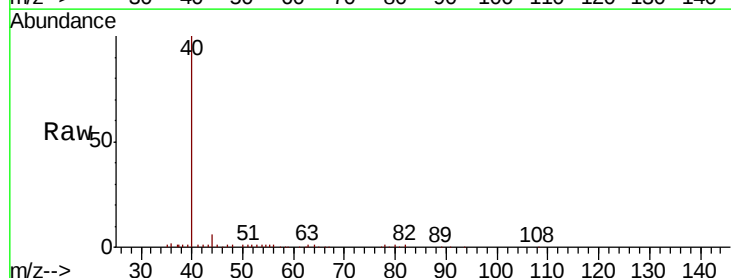
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190325

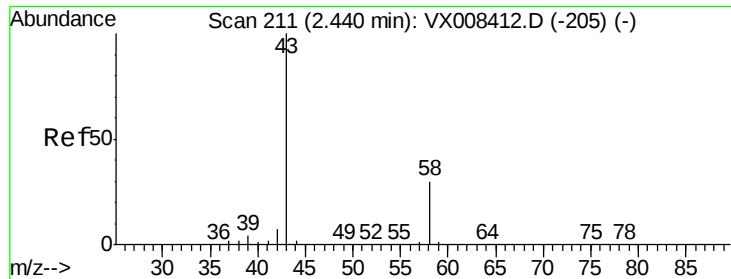
Tot Ion:142 Resp: 230
Ion Ratio Lower Upper
142 100
127 8.3 33.6 50.4#
141 0.0 11.3 16.9#



#13
Acrolein
Concen: 0.267 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX008454.D
Acq: 26 Mar 2019 14:07

Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 243.2 56.5 84.7#





#16

Acetone

Concen: 0.931 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008454.D

Acq: 26 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

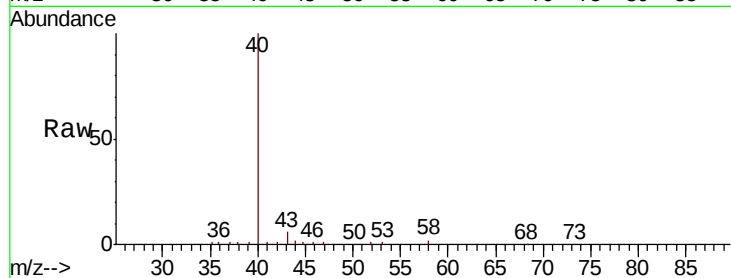
TT-TB-20190325

Tot Ion: 43 Resp: 1678

Ion Ratio Lower Upper

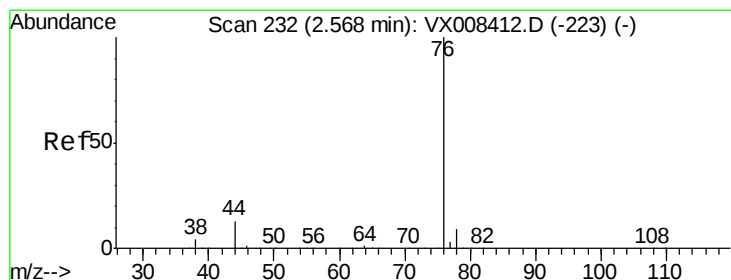
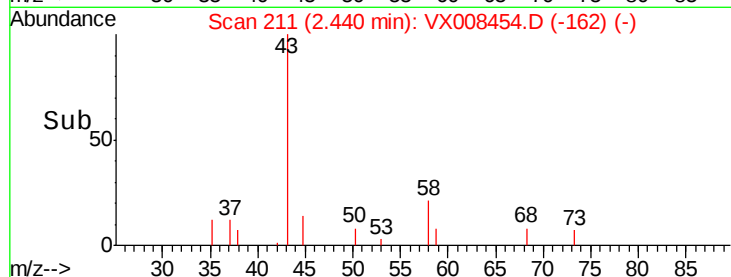
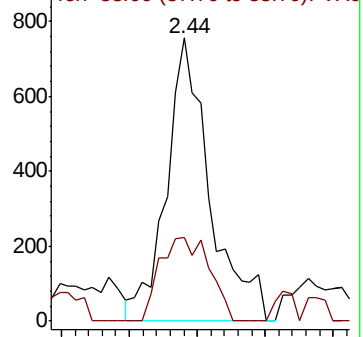
43 100

58 29.4 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008454.D

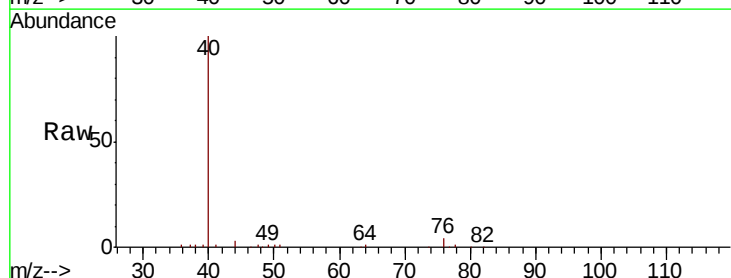
Acq: 26 Mar 2019 14:07

Tgt Ion: 76 Resp: 985

Ion Ratio Lower Upper

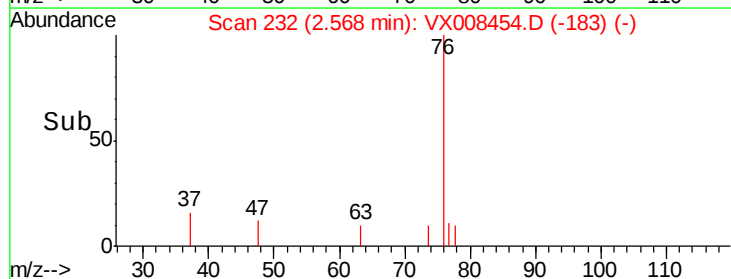
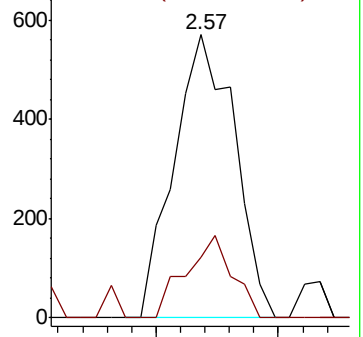
76 100

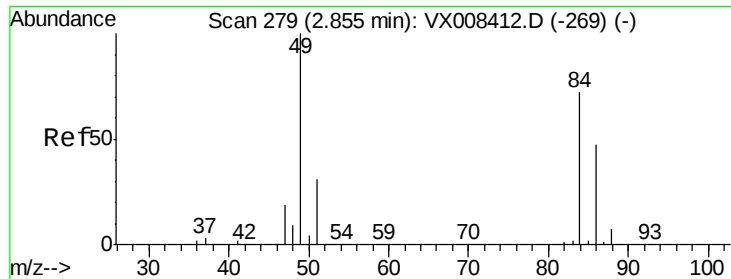
78 21.2 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

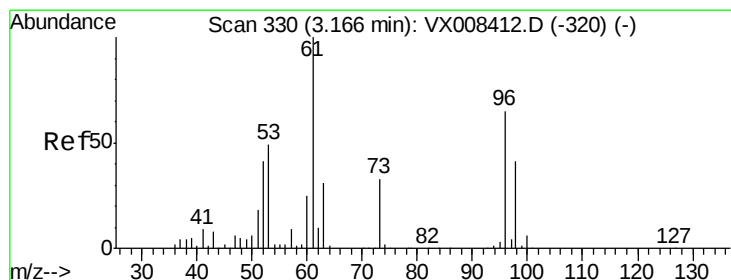
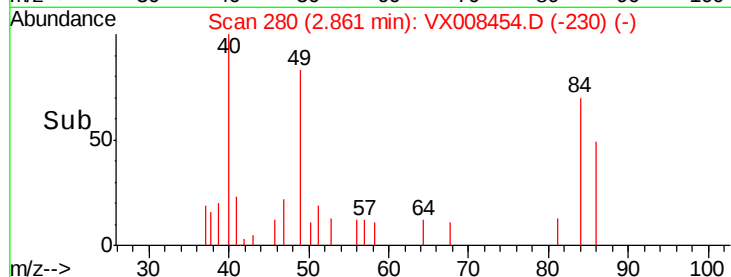
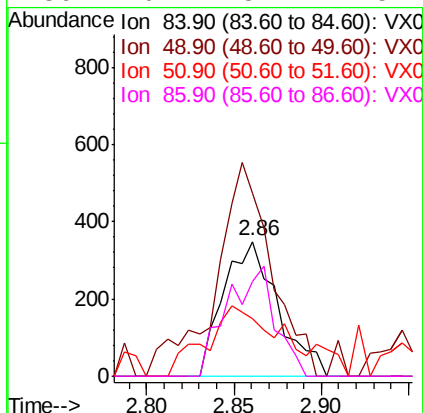
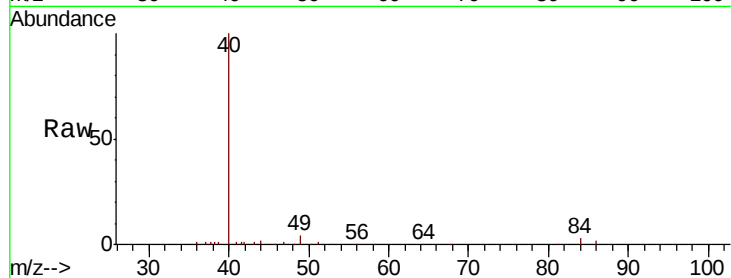




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008454.D
Acq: 26 Mar 2019 14:07

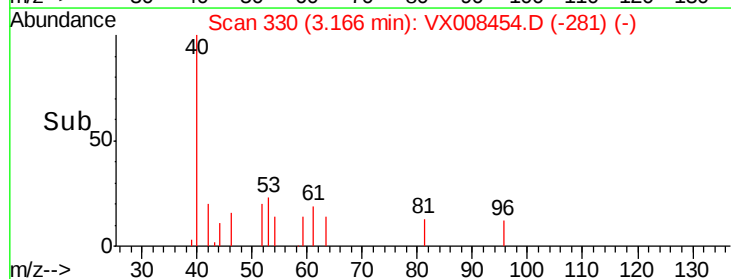
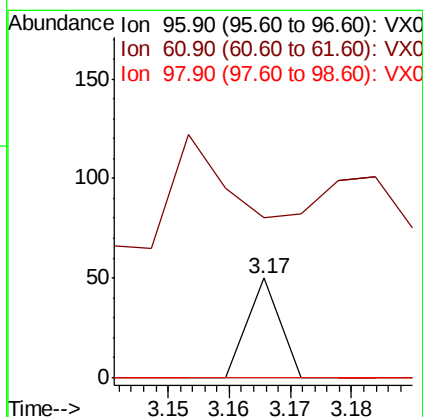
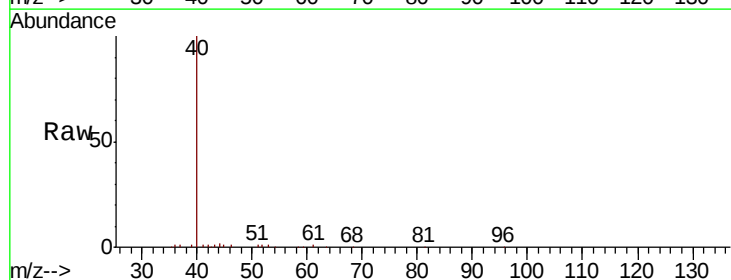
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190325

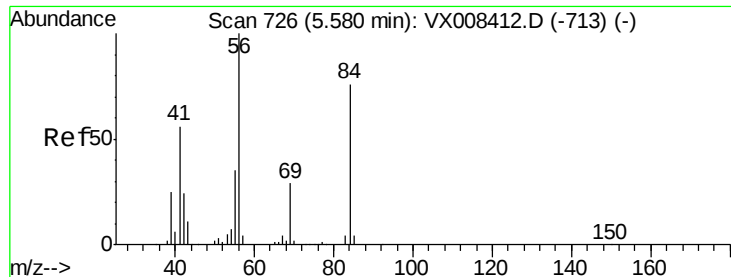
Tot Ion: 84 Resp: 753
Ion Ratio Lower Upper
84 100
49 109.5 110.6 165.8#
51 26.1 33.9 50.9#
86 70.2 52.2 78.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008454.D
Acq: 26 Mar 2019 14:07

Tgt Ion: 96 Resp: 18
Ion Ratio Lower Upper
96 100
61 0.0 122.6 184.0#
98 0.0 50.9 76.3#

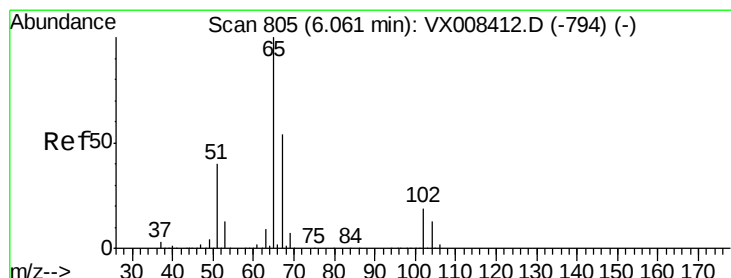
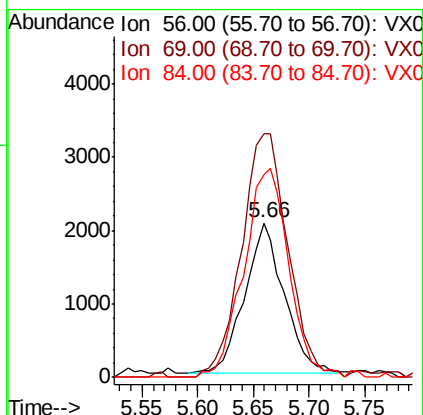
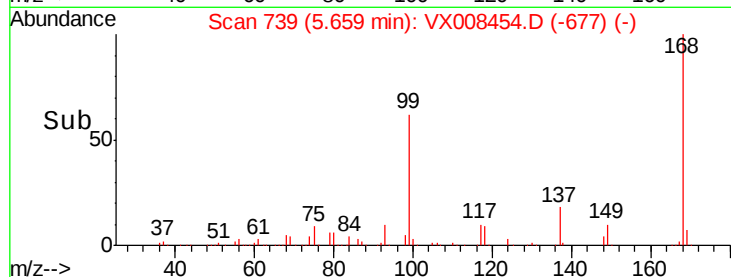
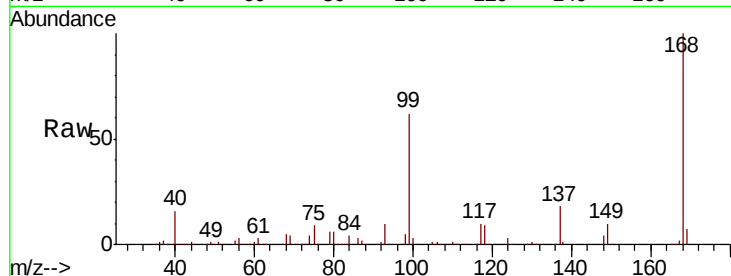




#31
Cyclohexane
Concen: 0.915 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008454.D
Acq: 26 Mar 2019 14:07

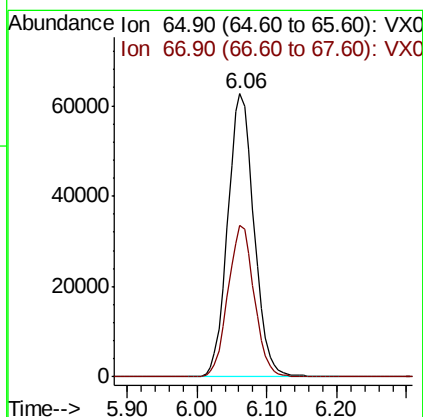
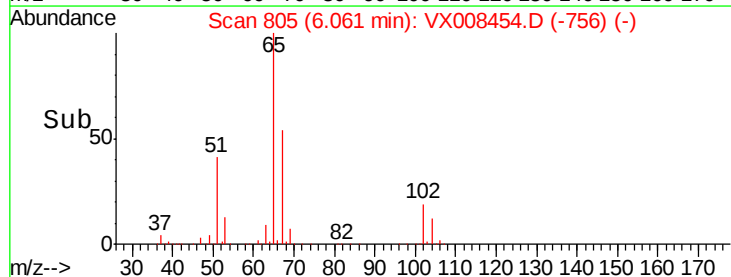
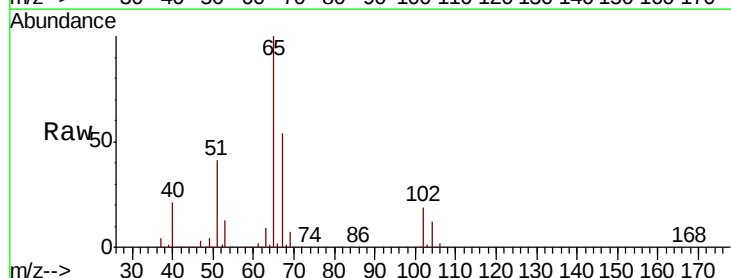
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MSVOA_X
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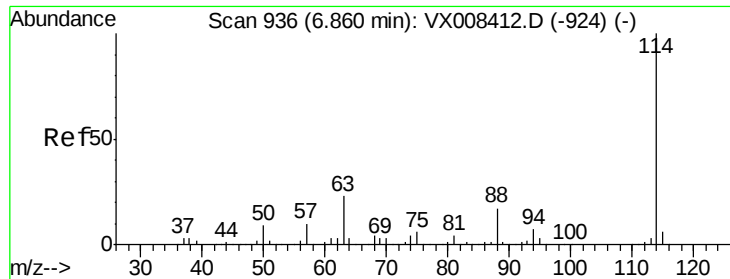
Tot Ion: 56 Resp: 5057
Ion Ratio Lower Upper
56 100
69 162.1 23.2 34.8#
84 134.6 60.7 91.1#



#33
1,2-Dichloroethane-d4
Concen: 47.545 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008454.D
Acq: 26 Mar 2019 14:07

Tgt Ion: 65 Resp: 163968
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.4

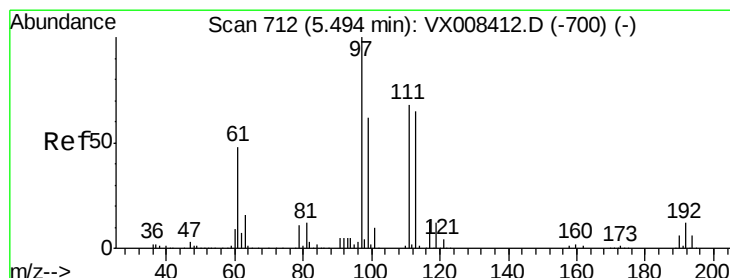
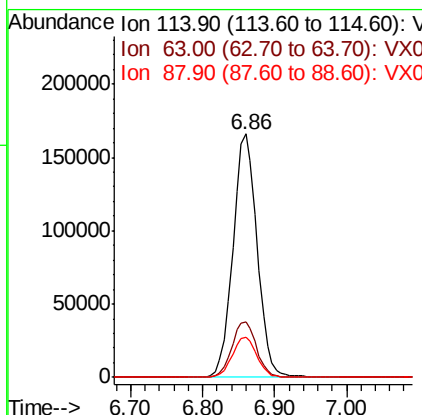
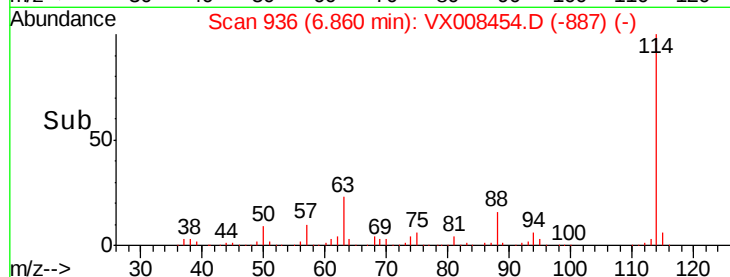
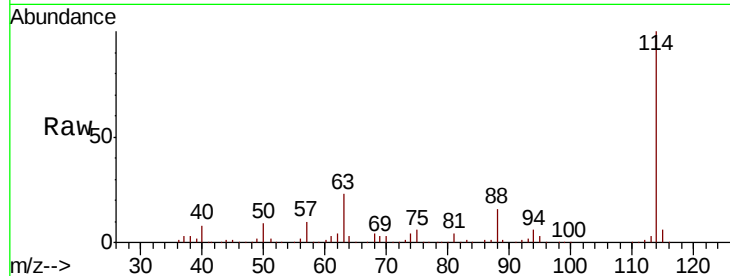




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008454.D
Acq: 26 Mar 2019 14:07

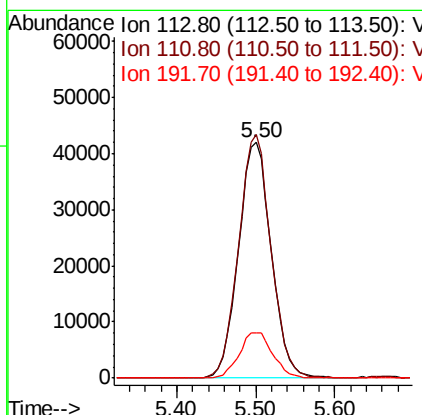
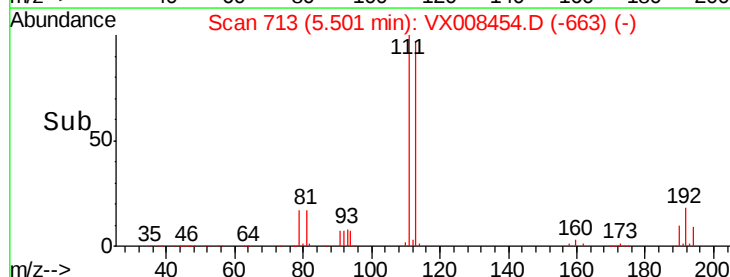
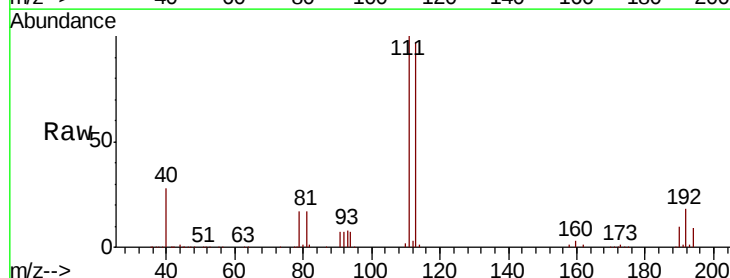
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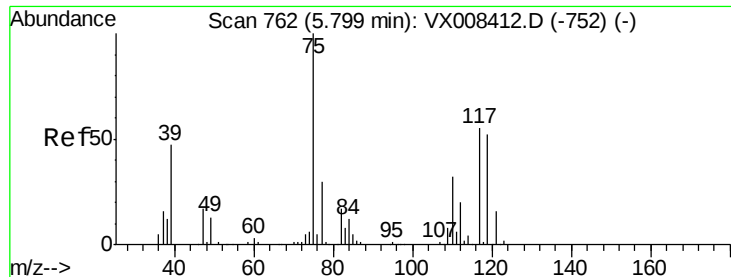
Tot Ion:114 Resp: 387253
Ion Ratio Lower Upper
114 100
63 22.8 0.0 46.4
88 16.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.094 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008454.D
Acq: 26 Mar 2019 14:07

Tgt Ion:113 Resp: 121440
Ion Ratio Lower Upper
113 100
111 101.7 83.0 124.4
192 19.6 15.6 23.4

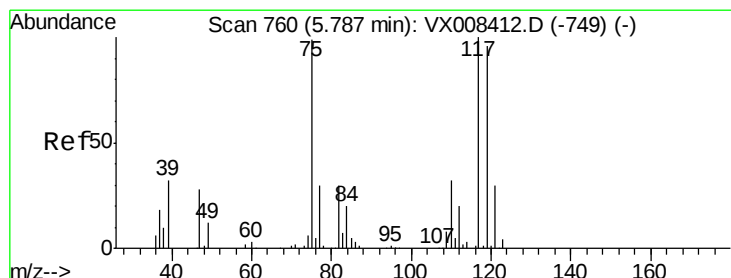
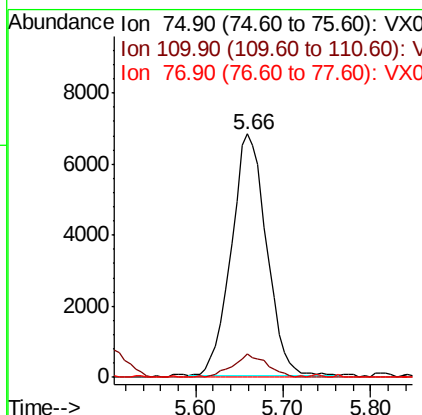
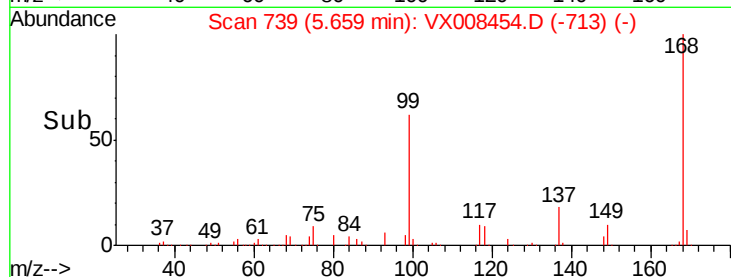
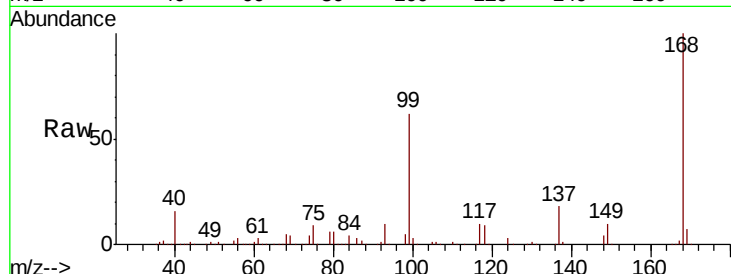




#36
 1,1-Dichloropropene
 Concen: 4.587 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008454.D
 Acq: 26 Mar 2019 14:07

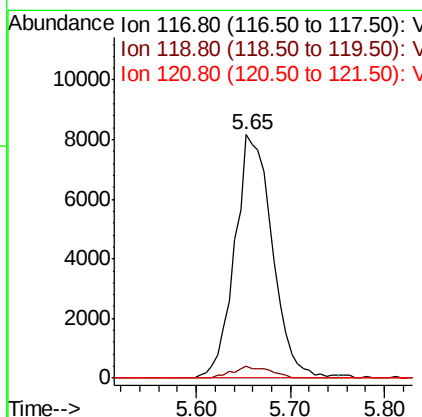
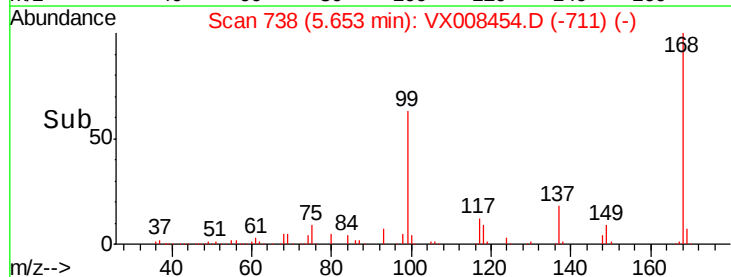
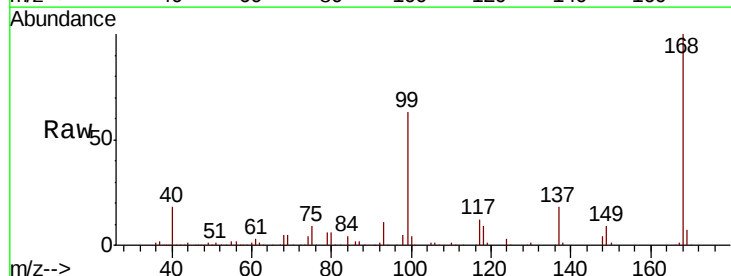
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190325

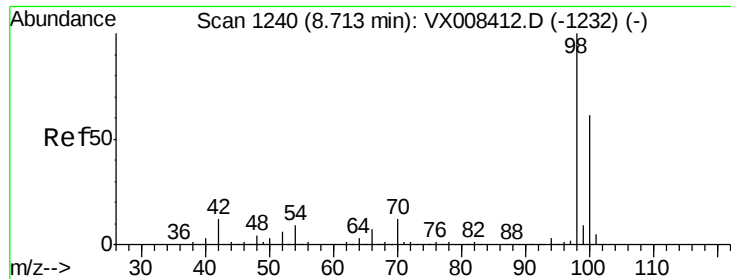
Tot Ion: 75 Resp: 18941
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.6 49.7#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.603 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX008454.D
 Acq: 26 Mar 2019 14:07

Tgt Ion: 117 Resp: 22751
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.7 115.1#
 121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 48.079 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008454.D

Acq: 26 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

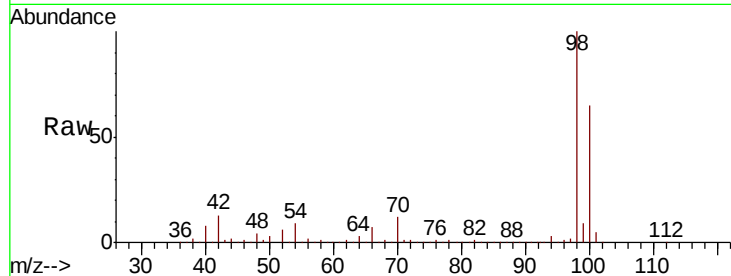
TT-TB-20190325

Tot Ion: 98 Resp: 485442

Ion Ratio Lower Upper

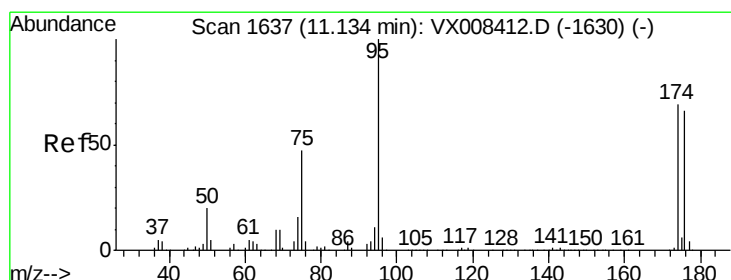
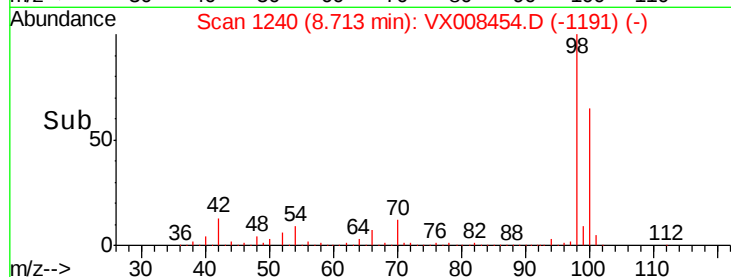
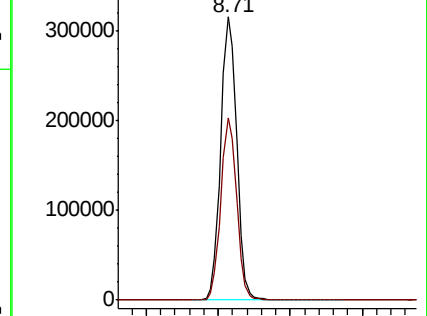
98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.194 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008454.D

Acq: 26 Mar 2019 14:07

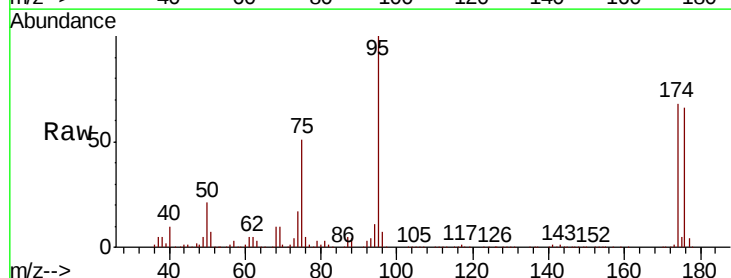
Tgt Ion: 95 Resp: 161610

Ion Ratio Lower Upper

95 100

174 73.2 0.0 147.2

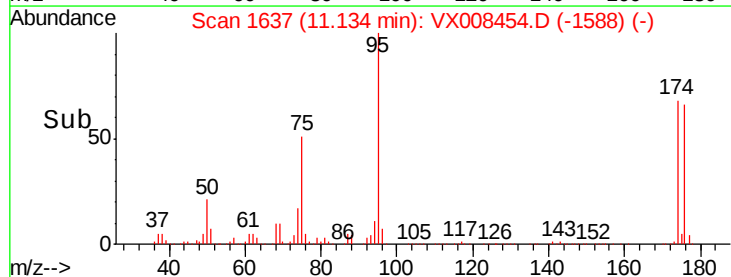
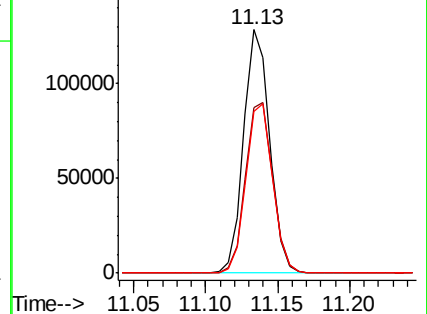
176 71.1 0.0 142.4

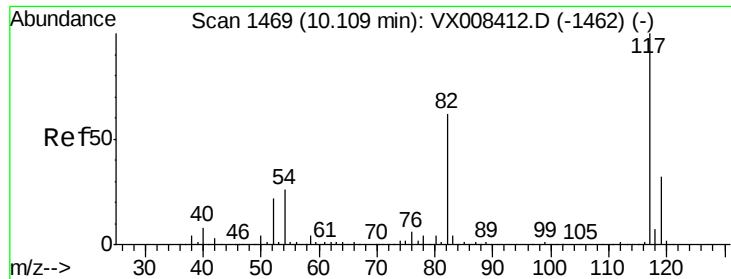


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

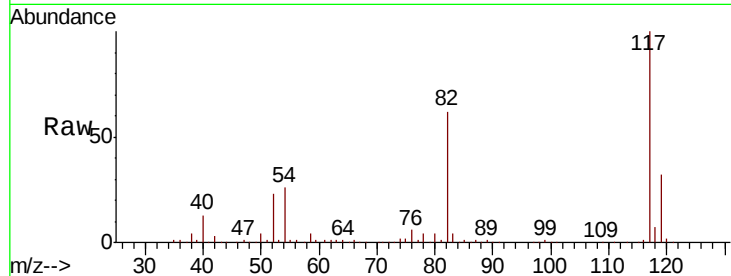




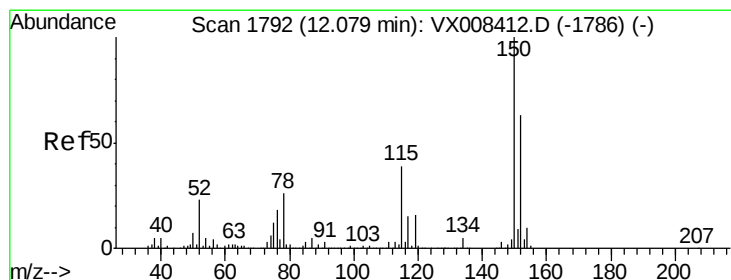
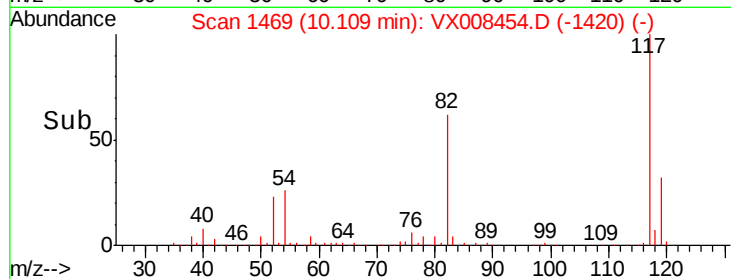
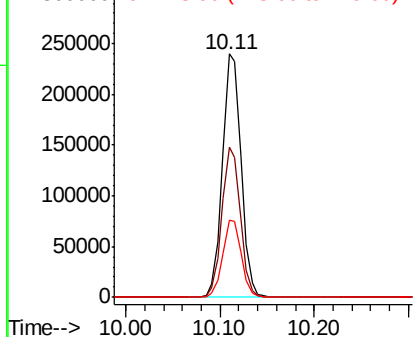
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008454.D
Acq: 26 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190325

Tot Ion:117 Resp: 329978
Ion Ratio Lower Upper
117 100
82 61.8 49.4 74.2
119 31.6 25.4 38.0

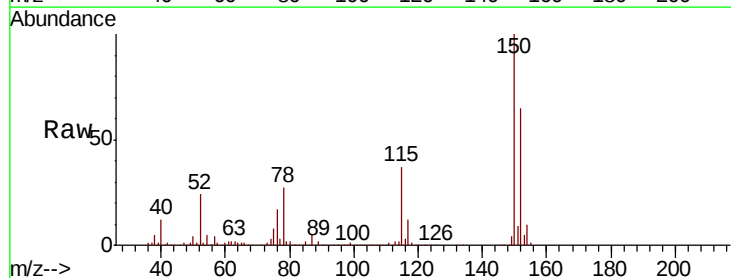


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

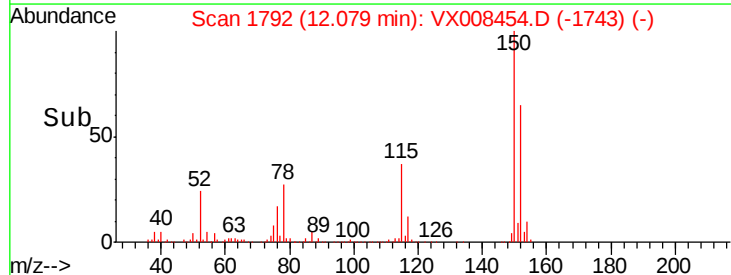
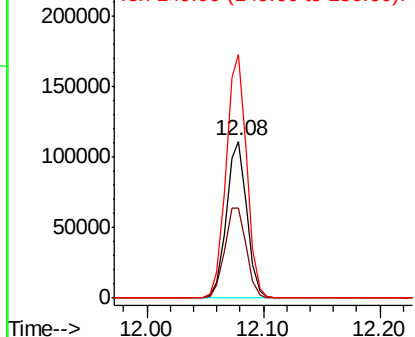


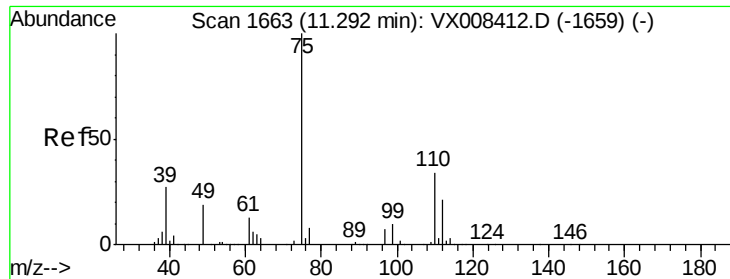
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008454.D
Acq: 26 Mar 2019 14:07

Tgt Ion:152 Resp: 134406
Ion Ratio Lower Upper
152 100
115 61.2 43.5 130.5
150 156.6 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: 20.552 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008454.D

Acq: 26 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

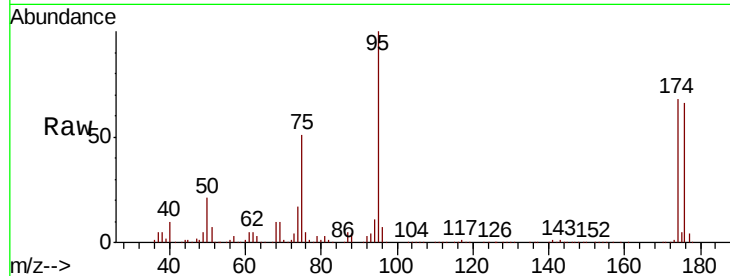
TT-TB-20190325

Tot Ion: 75 Resp: 82120

Ion Ratio Lower Upper

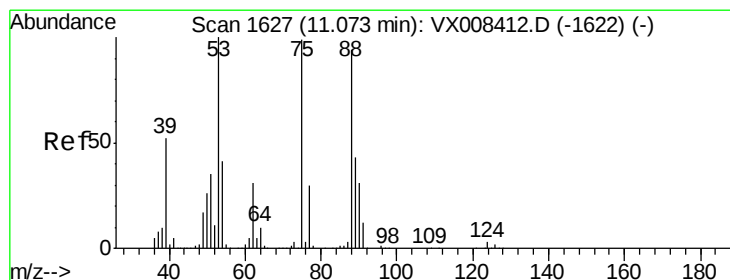
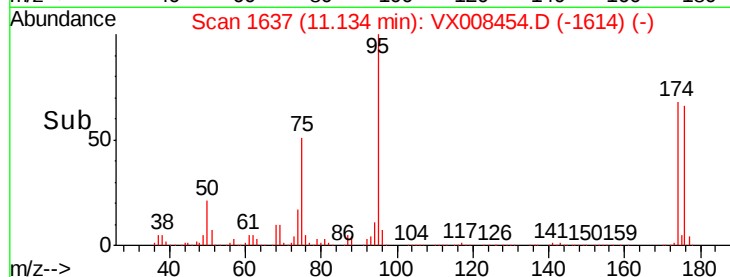
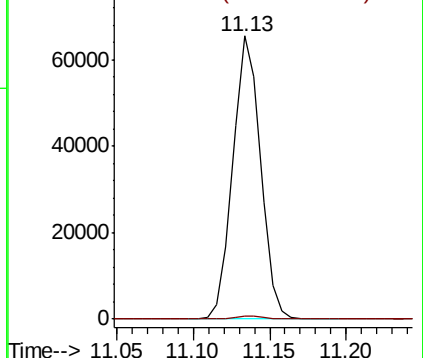
75 100

77 1.2 21.9 65.7#



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: 65.824 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008454.D

Acq: 26 Mar 2019 14:07

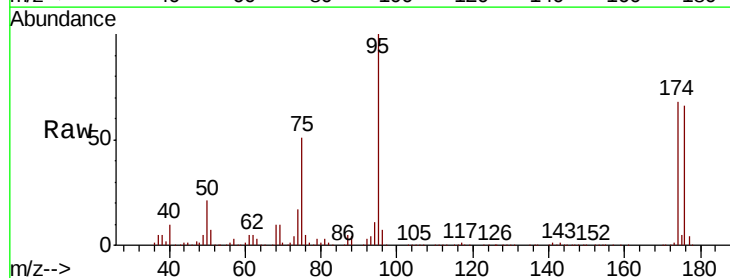
Tgt Ion: 75 Resp: 82120

Ion Ratio Lower Upper

75 100

53 0.2 82.1 123.1#

89 0.0 34.6 52.0#



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

