

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
 Data File : VX008447.D
 Acq On : 26 Mar 2019 11:14
 Operator : JC/SP
 Sample : VX0326WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBL01

Quant Time: Mar 27 01:49:27 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	5.65	168	216766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	364033	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126009	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	154322	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
35) Dibromofluoromethane	5.49	113	113773	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	8.71	98	453837	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	11.13	95	151107	42.96	ug/l	0.00
Spiked Amount			Recovery	=	85.92%	

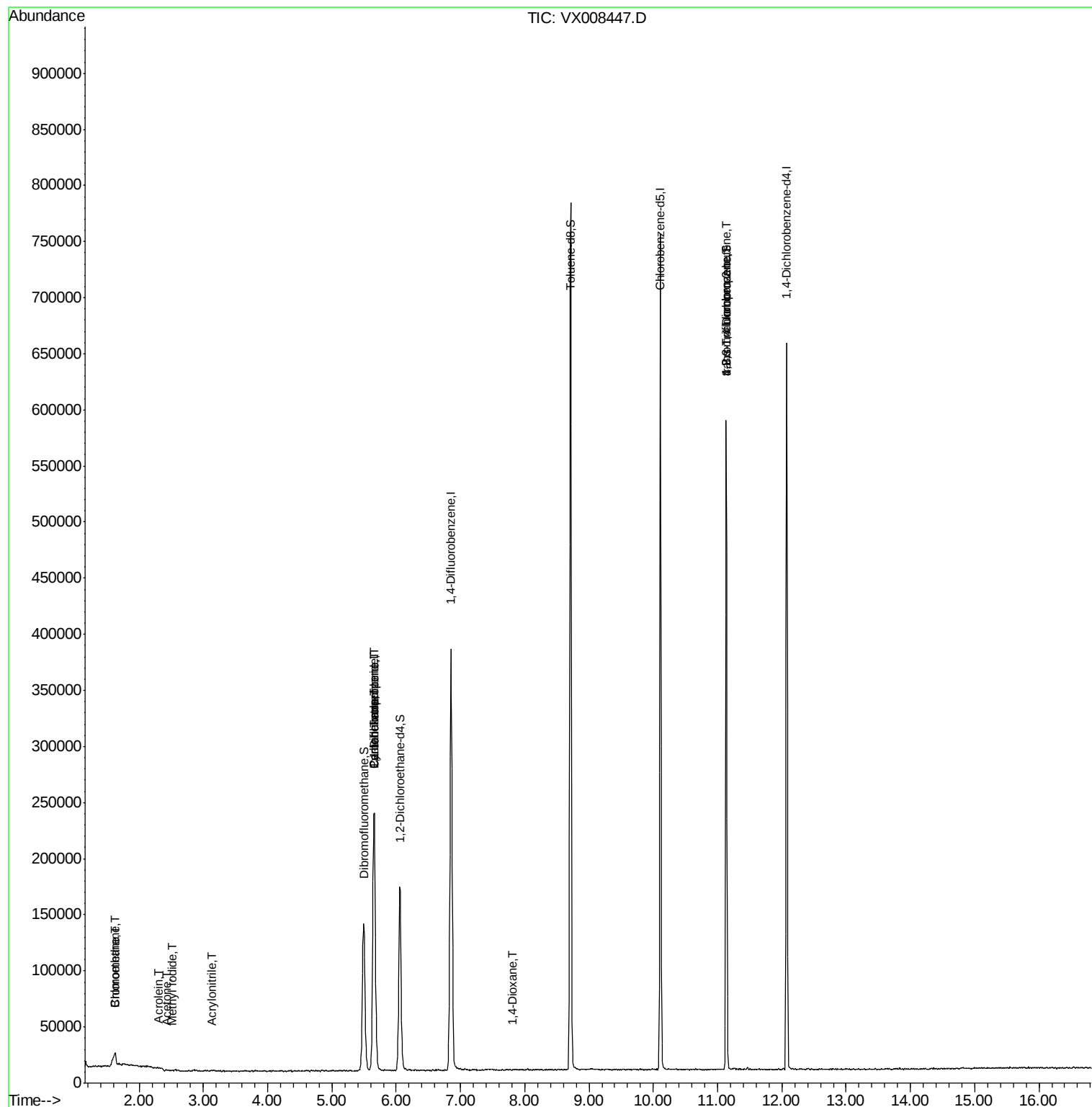
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	476	Below Cal	#	76
5) Bromomethane	1.64	94	702	2.169	ug/l #	71
6) Chloroethane	1.63	64	5795	2.742	ug/l #	53
10) Methyl Iodide	2.53	142	130	4.179	ug/l #	60
13) Acrolein	2.29	56	326	0.617	ug/l #	47
15) Acrylonitrile	3.14	53	539	0.282	ug/l #	69
16) Acetone	2.43	43	472	0.275	ug/l #	75
17) Carbon Disulfide	2.56	76	1312	Below Cal	#	79
20) Methylene Chloride	2.86	84	527	Below Cal	#	66
21) trans-1,2-Dichloroethene	3.17	96	104	Below Cal	#	67
31) Cyclohexane	5.65	56	5231	0.993	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	18447	4.753	ug/l #	51
38) Carbon Tetrachloride	5.65	117	22090	6.820	ug/l #	17
49) 1,4-Dioxane	7.80	88	21	0.262	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78036	20.831	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	78036	66.719	ug/l #	9

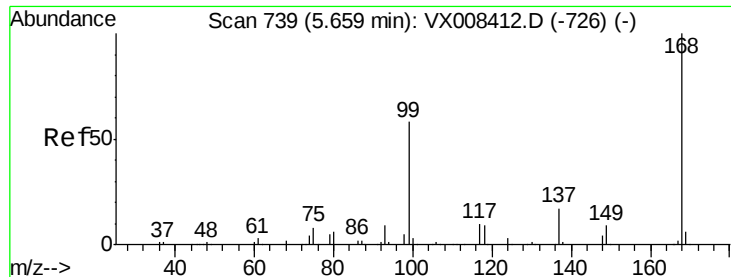
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

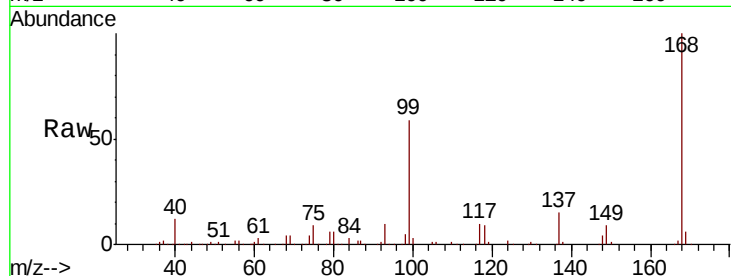
VX0326WBL01

Tot Ion:168 Resp: 216766

Ion Ratio Lower Upper

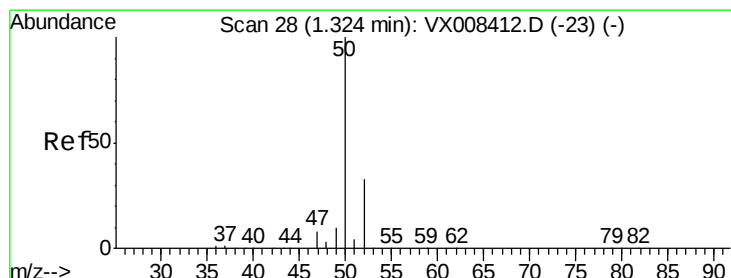
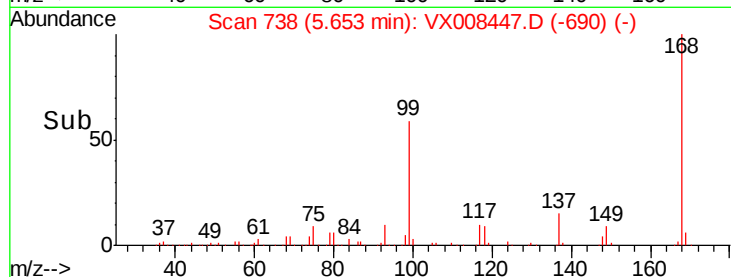
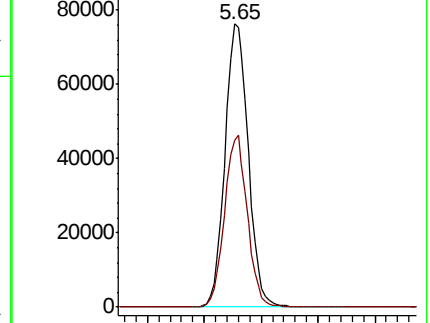
168 100

99 59.0 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008447.D

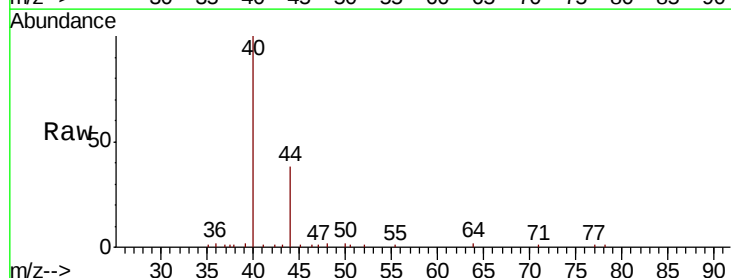
Acq: 26 Mar 2019 11:14

Tgt Ion: 50 Resp: 476

Ion Ratio Lower Upper

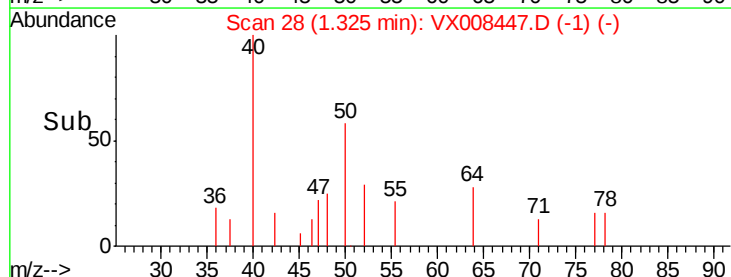
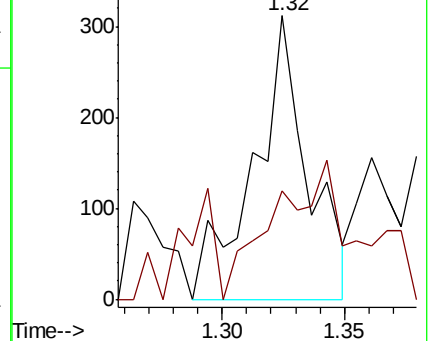
50 100

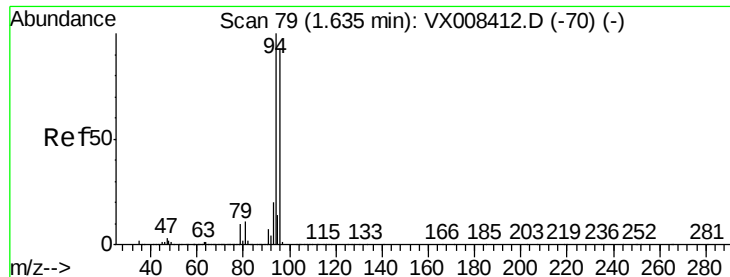
52 19.2 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.169 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

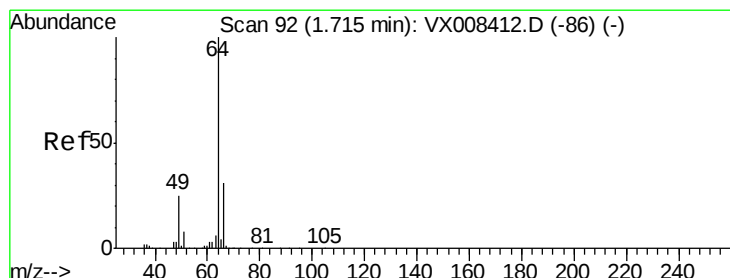
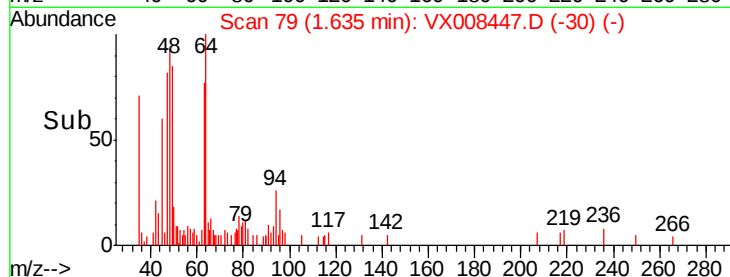
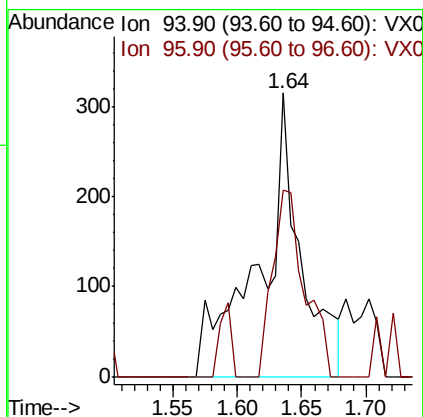
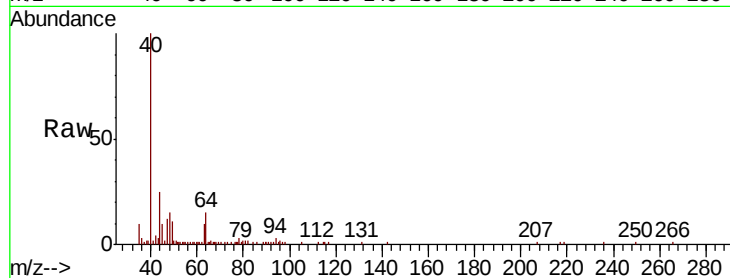
VX0326WBL01

Tot Ion: 94 Resp: 702

Ion Ratio Lower Upper

94 100

96 66.0 74.8 112.2#



#6

Chloroethane

Concen: 2.742 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.09 min

Lab File: VX008447.D

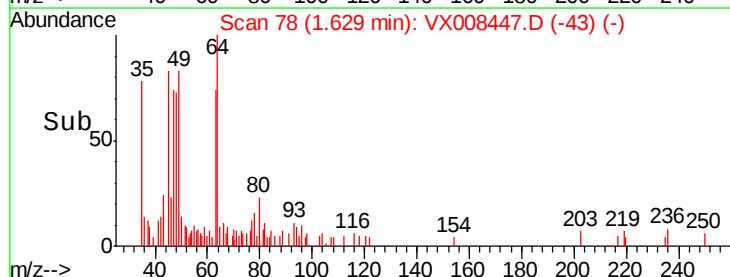
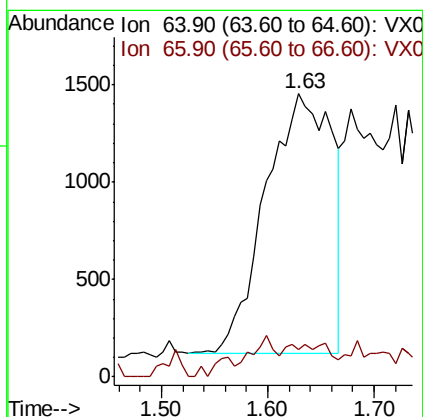
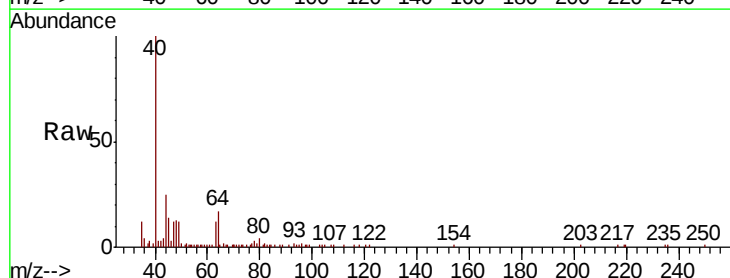
Acq: 26 Mar 2019 11:14

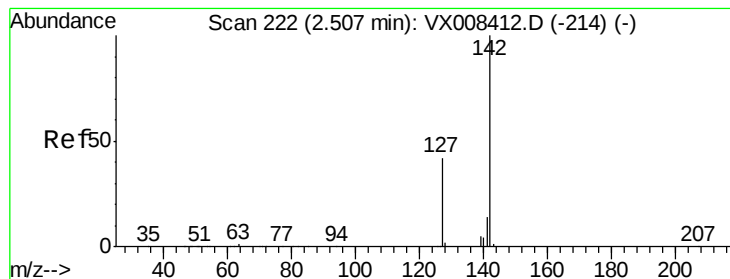
Tgt Ion: 64 Resp: 5795

Ion Ratio Lower Upper

64 100

66 5.2 25.1 37.7#





#10

Methvl Iodide

Concen: 4.179 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBL01

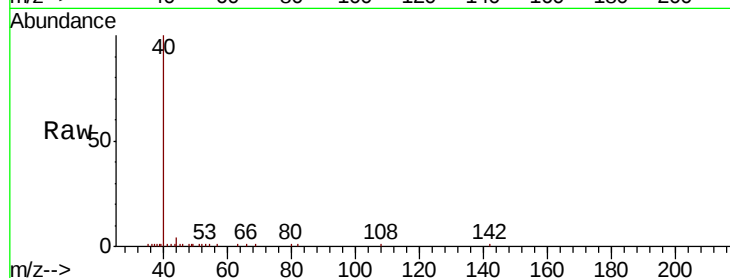
Tot Ion:142 Resp: 130

Ion Ratio Lower Upper

142 100

127 15.4 33.6 50.4#

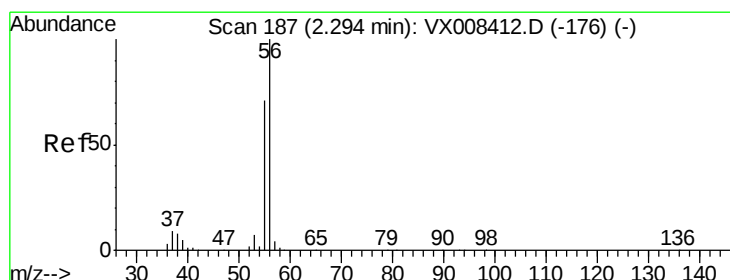
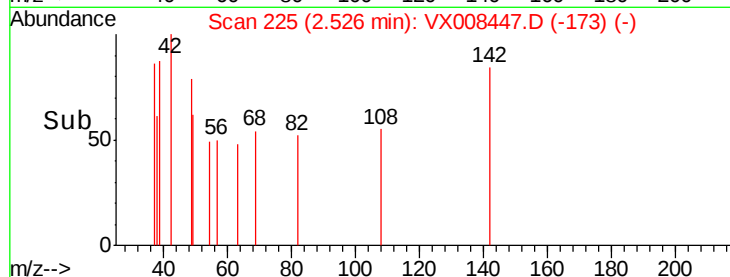
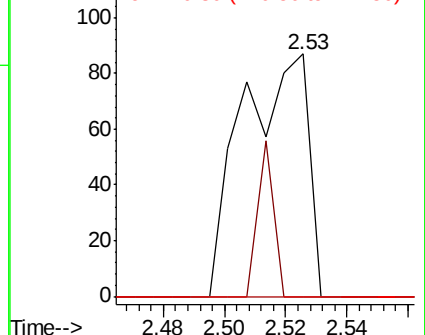
141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 0.617 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008447.D

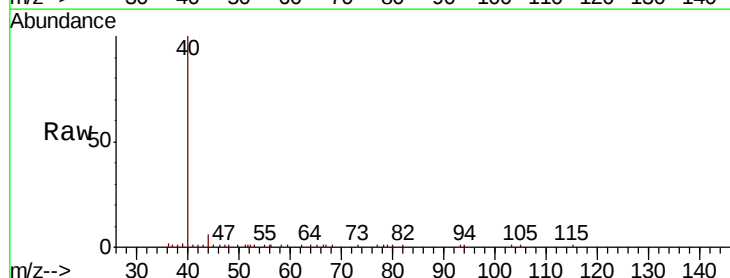
Acq: 26 Mar 2019 11:14

Tgt Ion: 56 Resp: 326

Ion Ratio Lower Upper

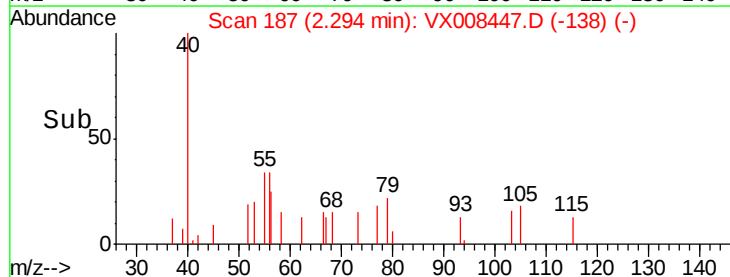
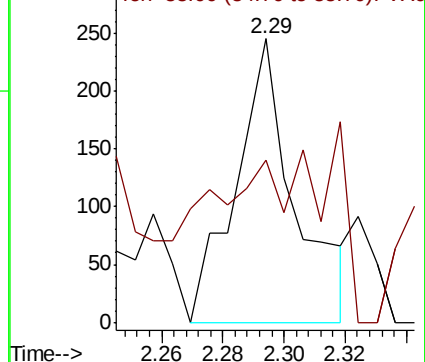
56 100

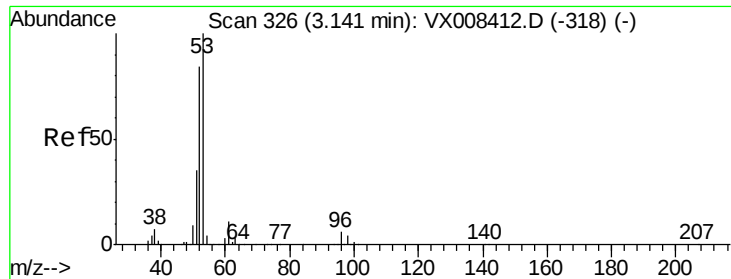
55 27.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.282 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBL01

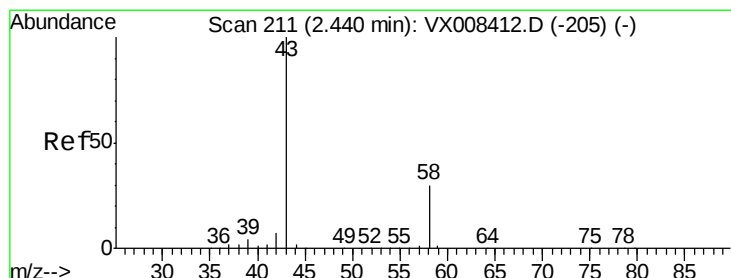
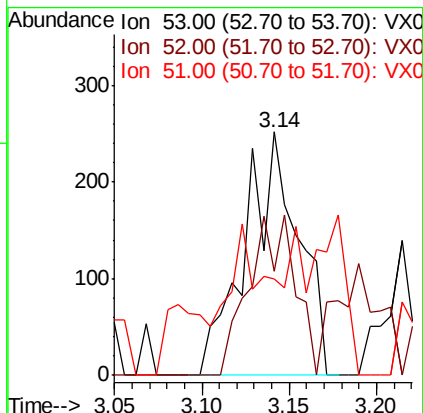
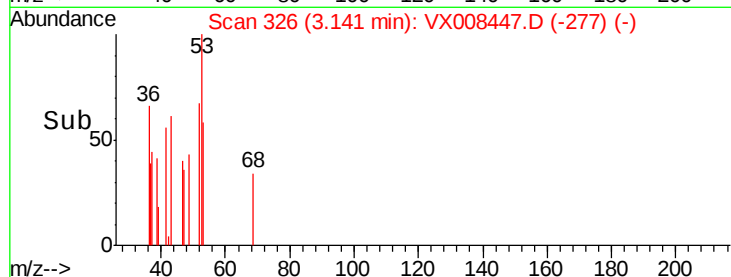
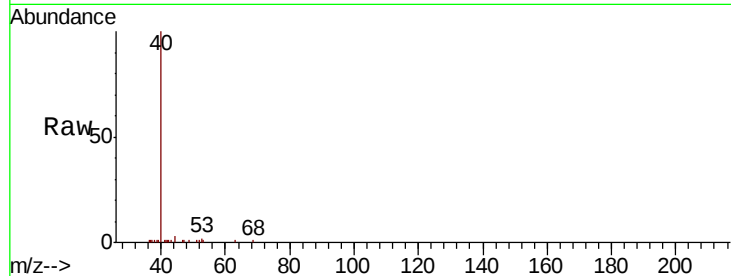
Tot Ion: 53 Resp: 539

Ion Ratio Lower Upper

53 100

52 55.8 66.5 99.7#

51 16.1 28.3 42.5#



#16

Acetone

Concen: 0.275 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008447.D

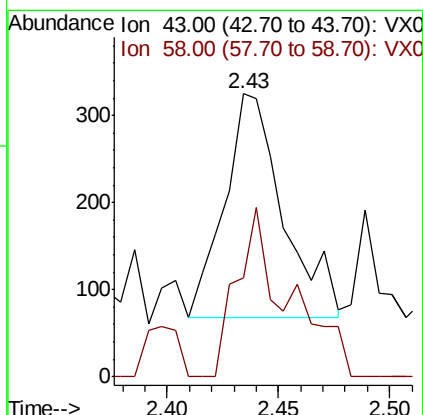
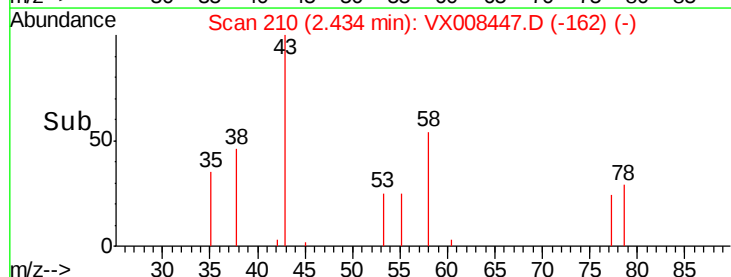
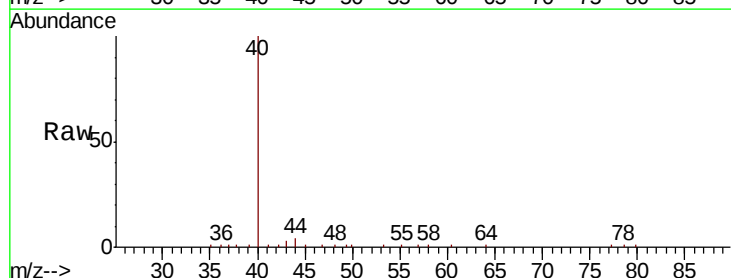
Acq: 26 Mar 2019 11:14

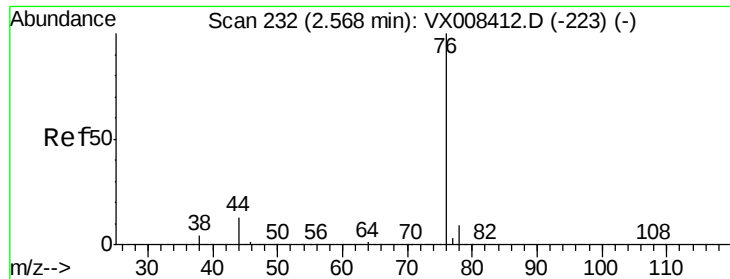
Tgt Ion: 43 Resp: 472

Ion Ratio Lower Upper

43 100

58 44.0 24.2 36.2#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

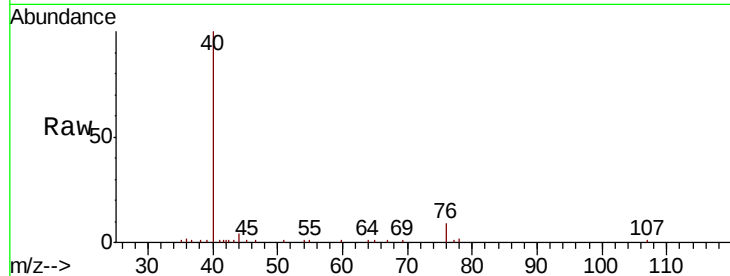
VX0326WBL01

Tot Ion: 76 Resp: 1312

Ion Ratio Lower Upper

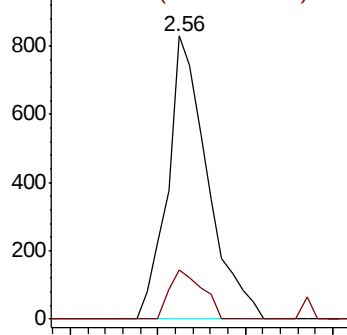
76 100

78 17.1 7.4 11.2#

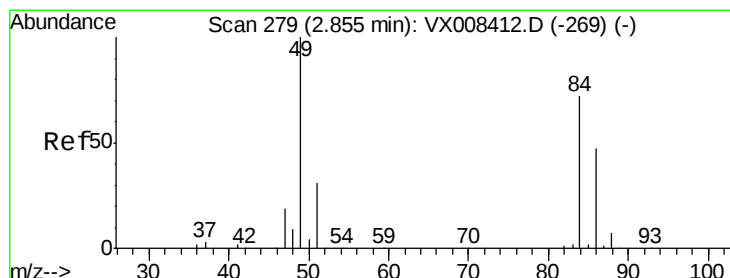
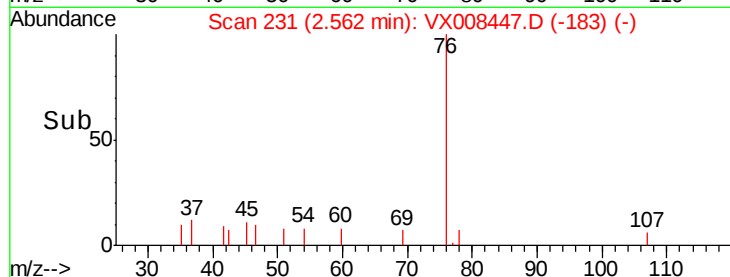


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Tgt Ion: 84 Resp: 527

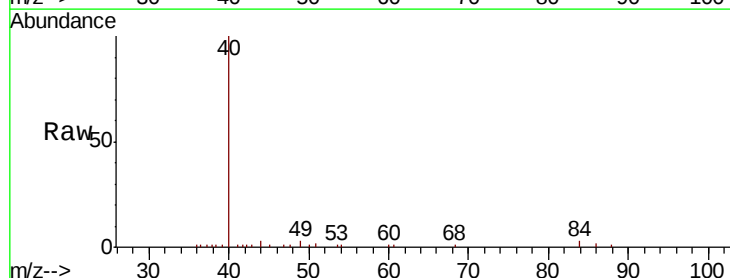
Ion Ratio Lower Upper

84 100

49 73.5 110.6 165.8#

51 57.8 33.9 50.9#

86 65.7 52.2 78.2

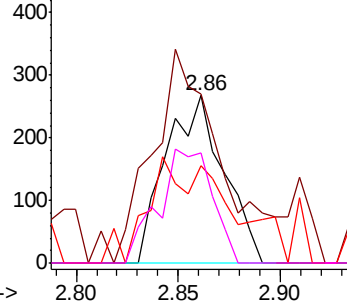


Abundance Ion 83.90 (83.60 to 84.60): VX0

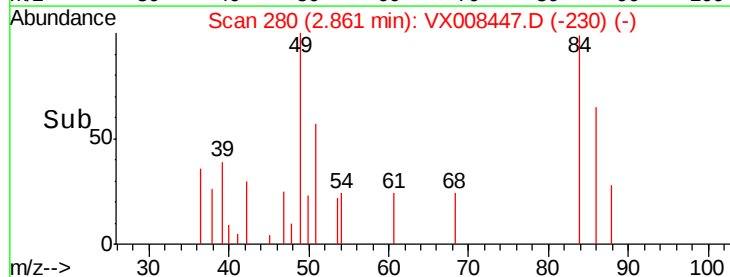
Ion 48.90 (48.60 to 49.60): VX0

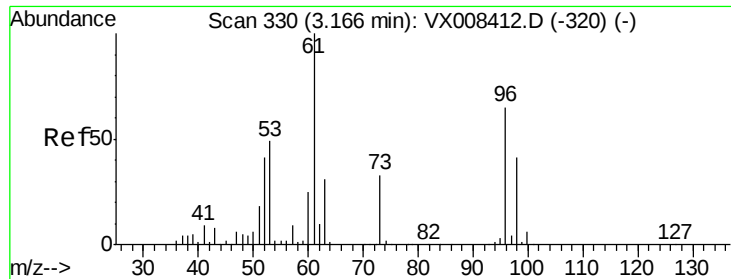
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Instrument :

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ClientSampleId :

VX0326WBL01

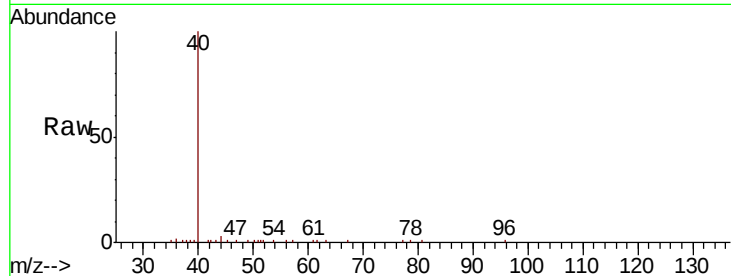
Tot Ion: 96 Resp: 104

Ion Ratio Lower Upper

96 100

61 169.9 122.6 184.0

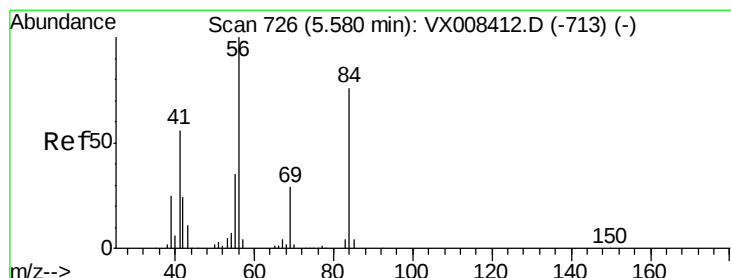
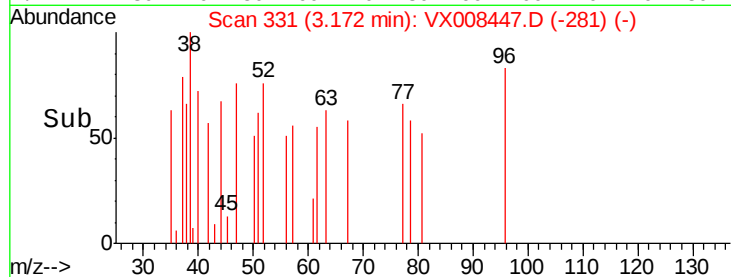
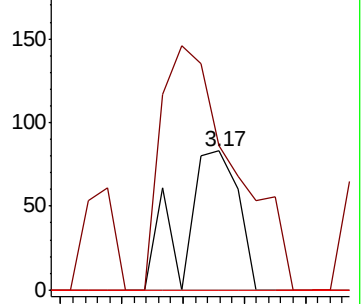
98 0.0 50.9 76.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 0.993 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

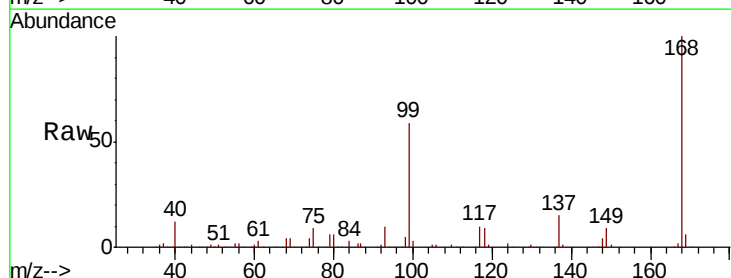
Tgt Ion: 56 Resp: 5231

Ion Ratio Lower Upper

56 100

69 172.9 23.2 34.8#

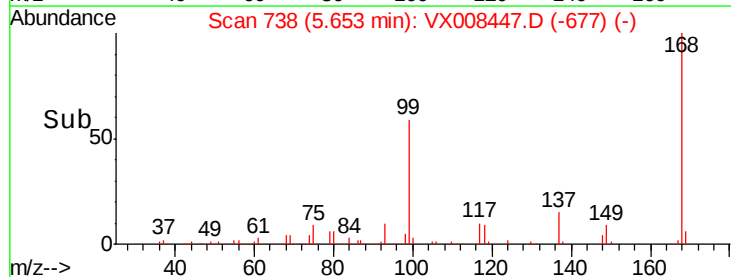
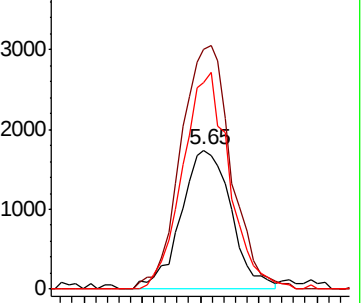
84 149.1 60.7 91.1#

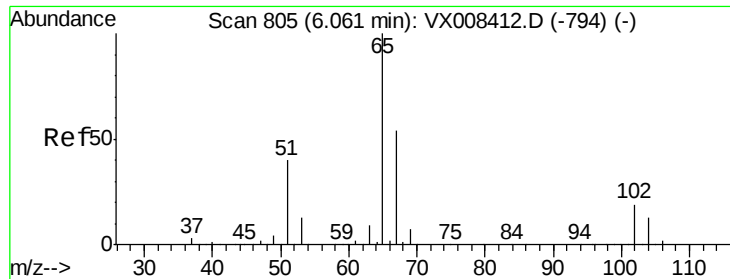


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.960 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

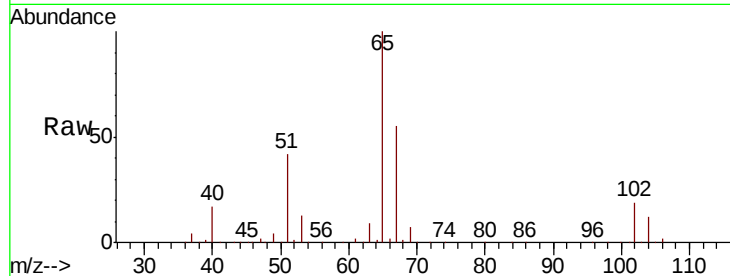
VX0326WBL01

Tot Ion: 65 Resp: 154322

Ion Ratio Lower Upper

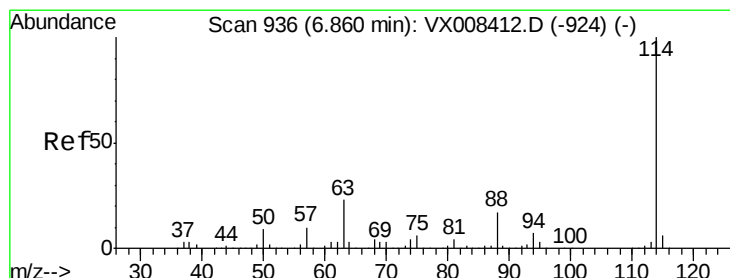
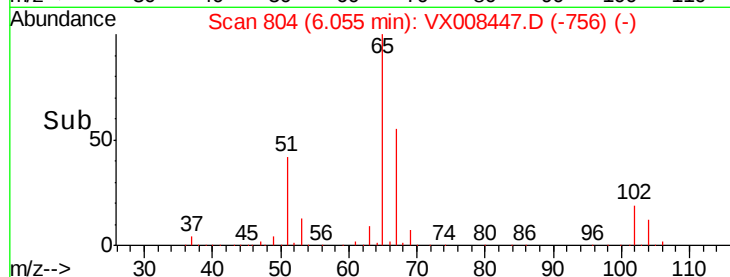
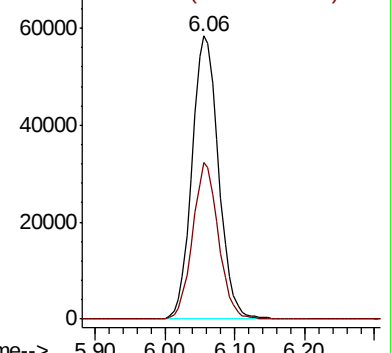
65 100

67 53.5 0.0 109.4



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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

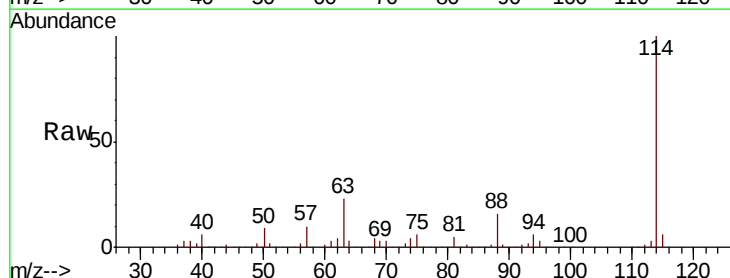
Tgt Ion: 114 Resp: 364033

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.4

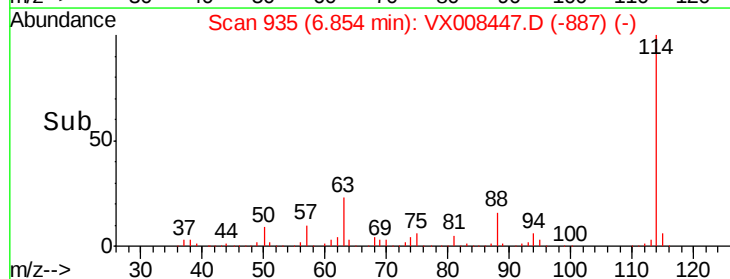
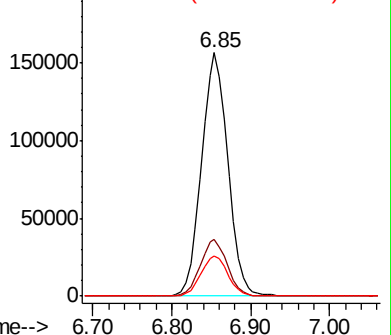
88 16.4 0.0 33.2

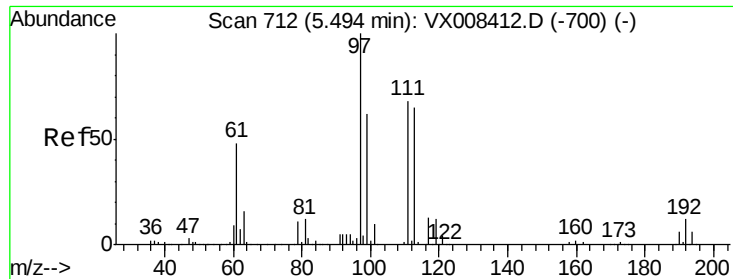


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

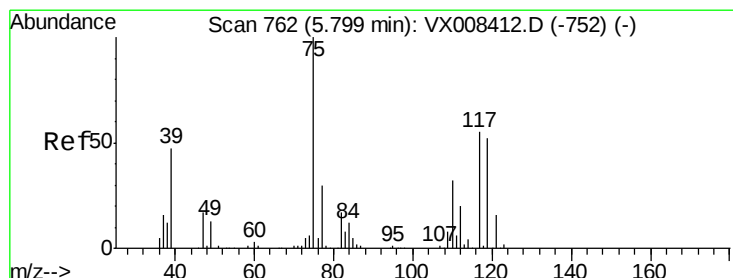
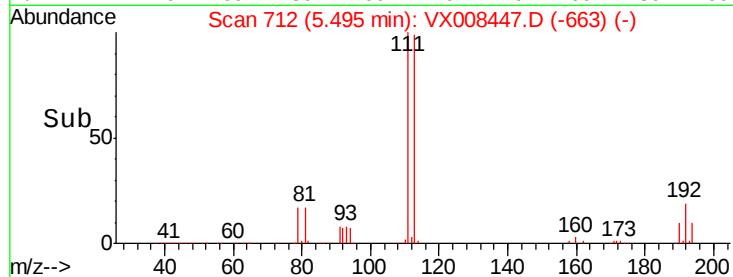
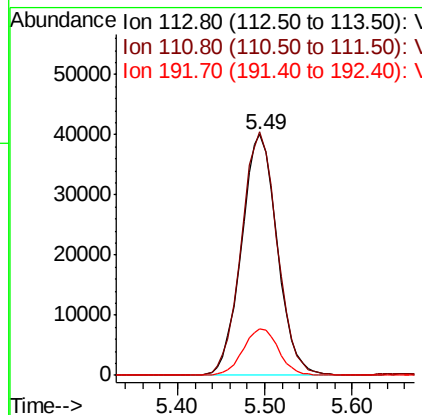
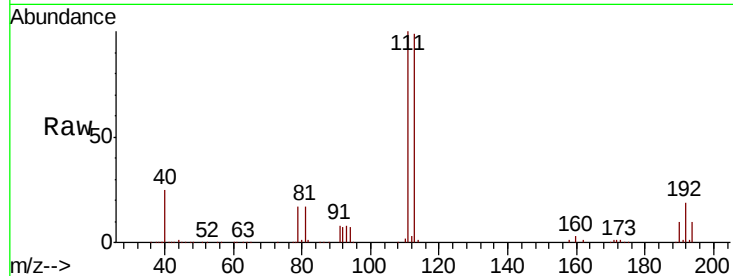




#35
 Dibromofluoromethane
 Concen: 47.931 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008447.D
 Acq: 26 Mar 2019 11:14

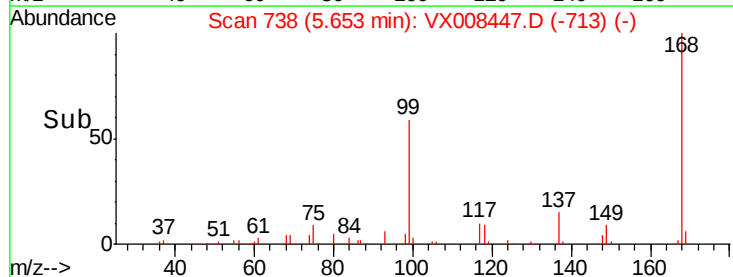
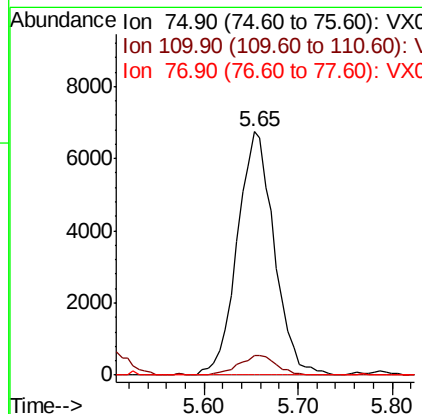
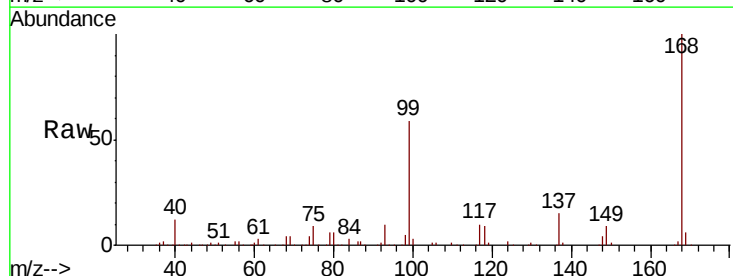
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBL01

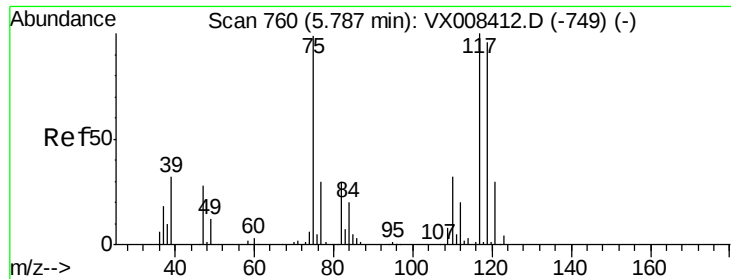
Tot Ion:113 Resp: 113773
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.0 124.4
 192 19.4 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.753 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008447.D
 Acq: 26 Mar 2019 11:14

Tgt Ion: 75 Resp: 18447
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.6 49.7#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.820 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Instrument :

MSVOA_X

ClientSampled :

VX0326WBL01

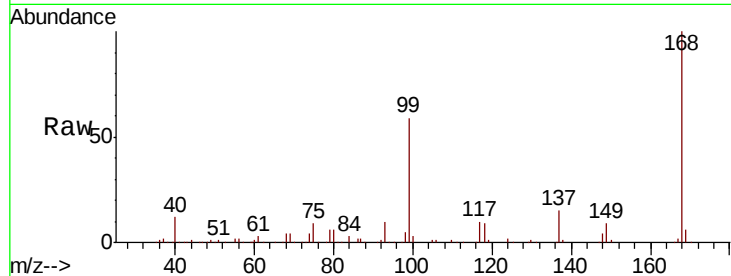
Tot Ion:117 Resp: 22090

Ion Ratio Lower Upper

117 100

119 6.0 76.7 115.1#

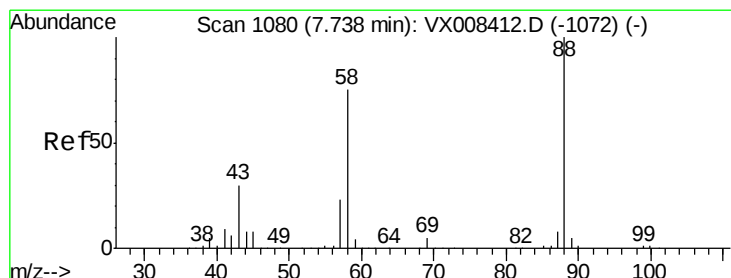
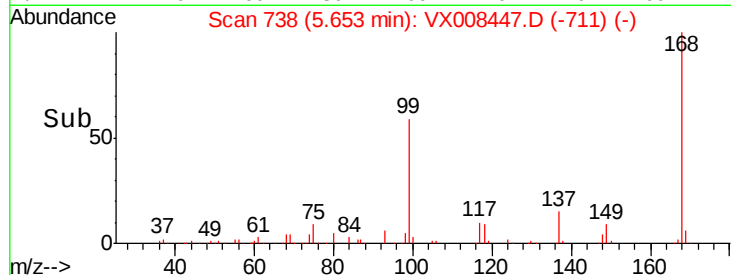
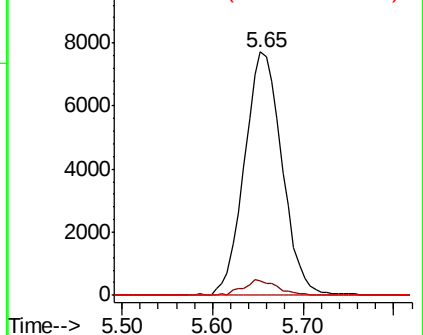
121 0.0 24.3 36.5#



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: 0.262 ug/l

RT: 7.80 min Scan# 1090

Delta R.T. 0.06 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

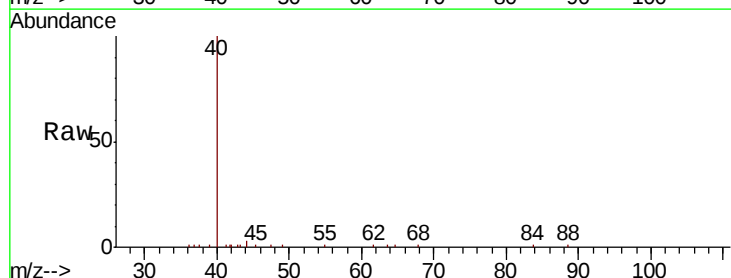
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 995.2 28.6 43.0#

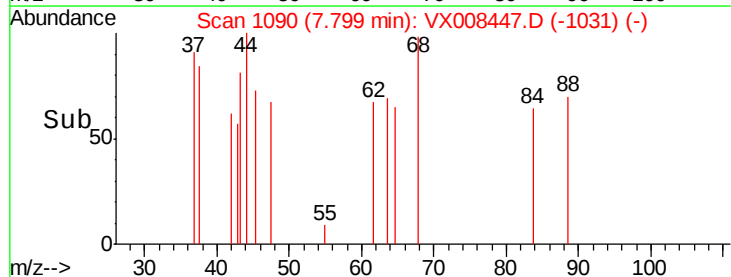
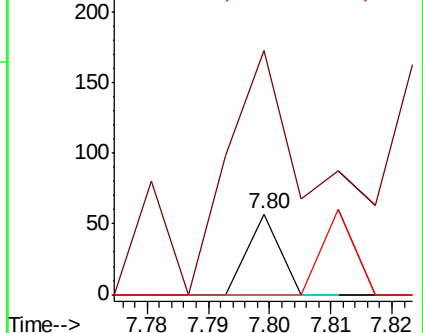
58 104.8 63.0 94.4#

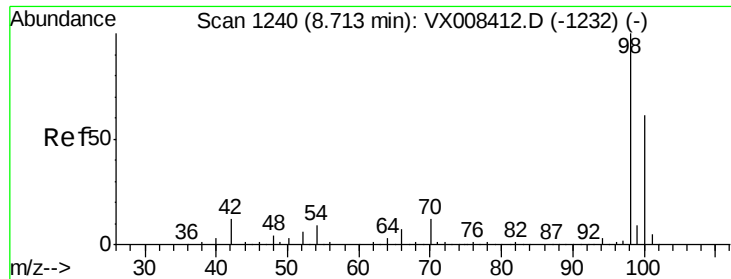


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.816 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

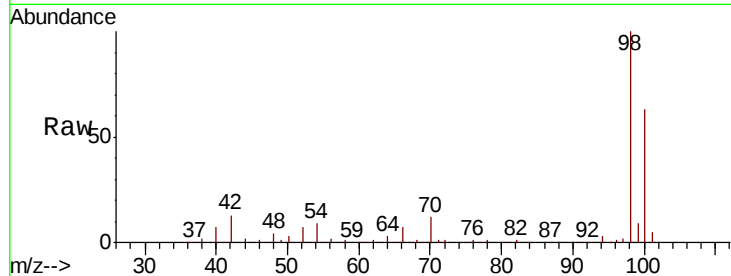
VX0326WBL01

Tot Ion: 98 Resp: 453837

Ion Ratio Lower Upper

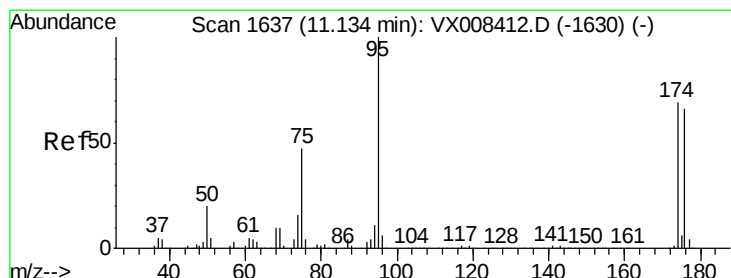
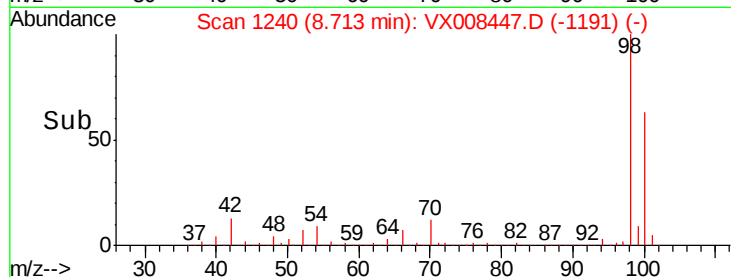
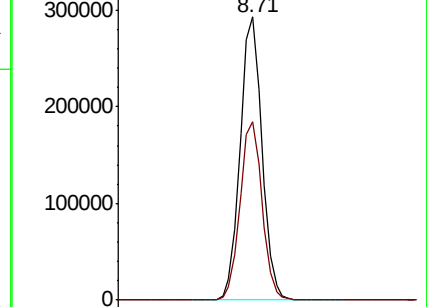
98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 42.963 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

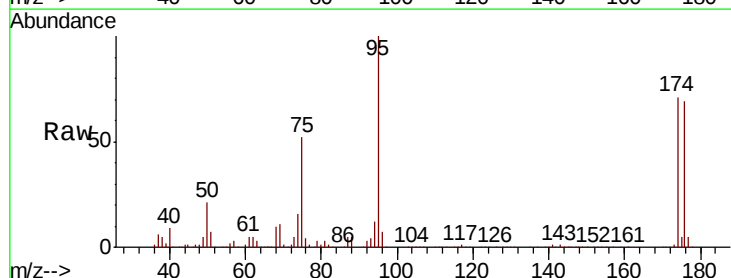
Tgt Ion: 95 Resp: 151107

Ion Ratio Lower Upper

95 100

174 73.3 0.0 147.2

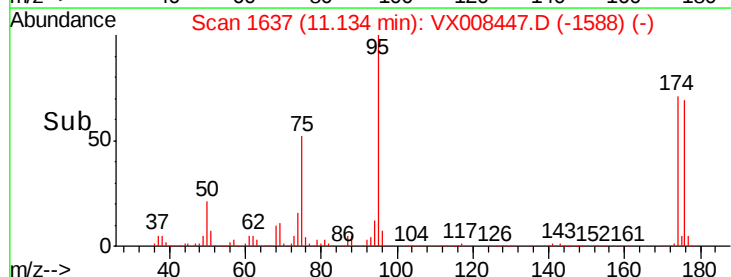
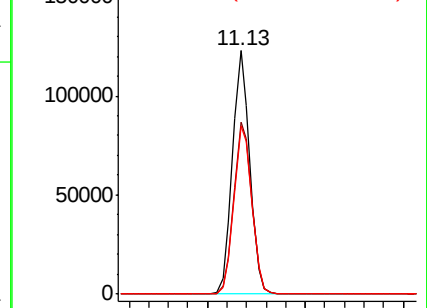
176 71.5 0.0 142.4

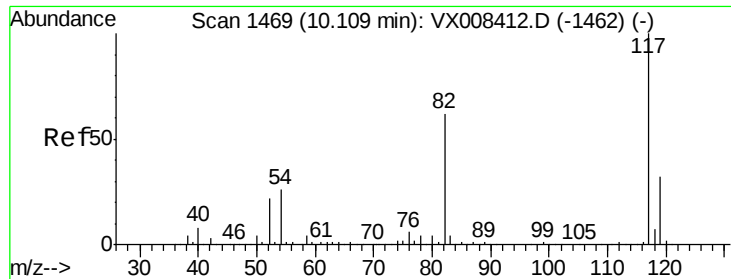


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

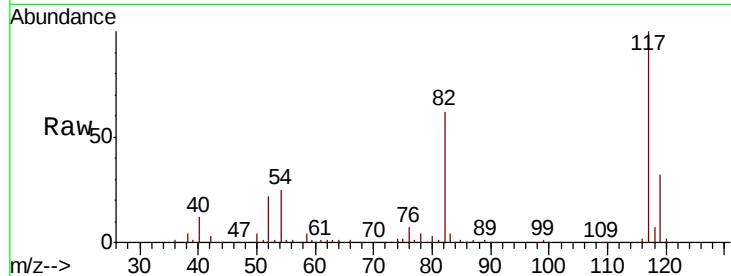




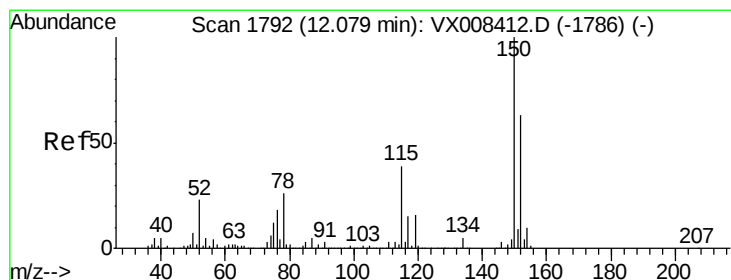
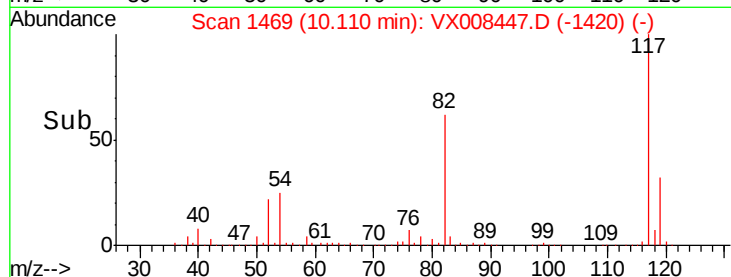
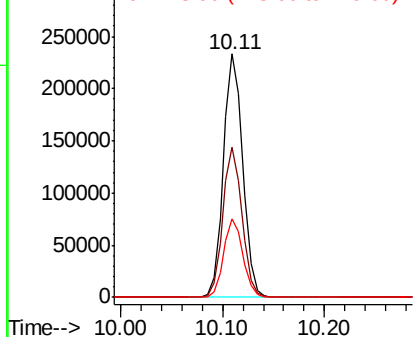
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008447.D
Acq: 26 Mar 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBL01

Tot Ion:117 Resp: 307610
Ion Ratio Lower Upper
117 100
82 61.6 49.4 74.2
119 32.4 25.4 38.0

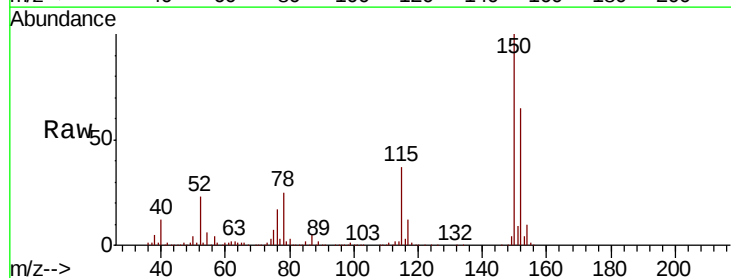


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

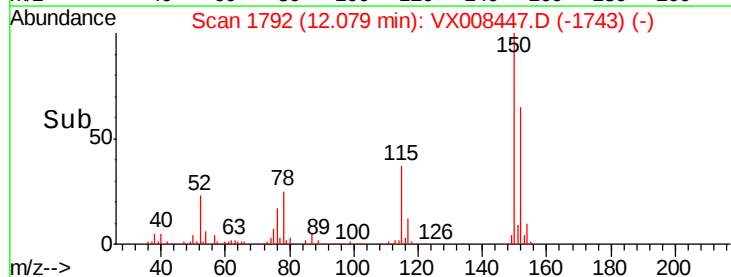
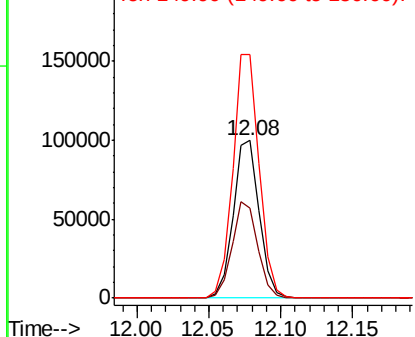


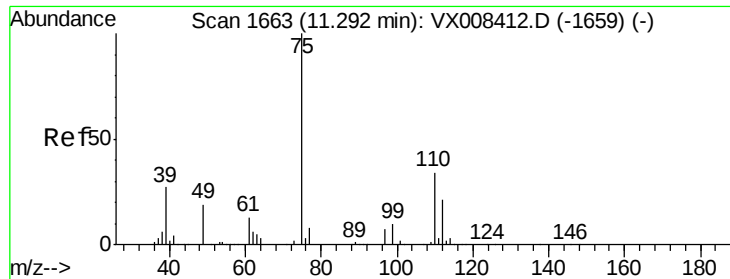
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008447.D
Acq: 26 Mar 2019 11:14

Tgt Ion:152 Resp: 126009
Ion Ratio Lower Upper
152 100
115 60.6 43.5 130.5
150 156.3 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: 20.831 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

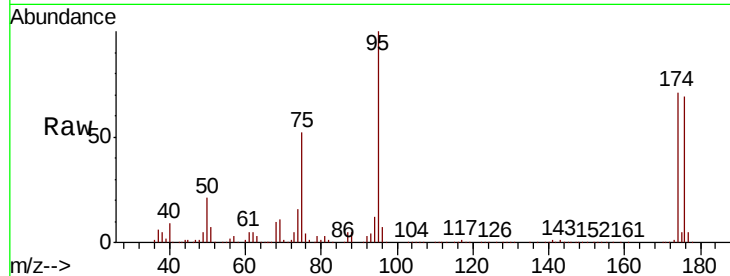
VX0326WBL01

Tot Ion: 75 Resp: 78036

Ion Ratio Lower Upper

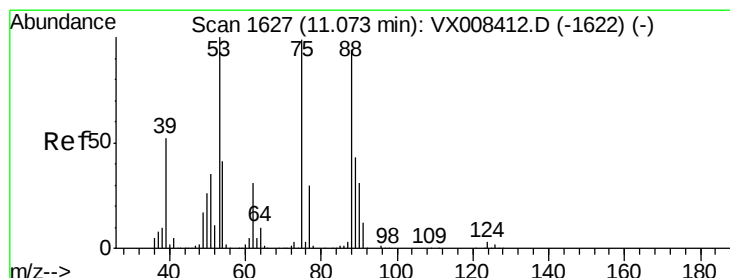
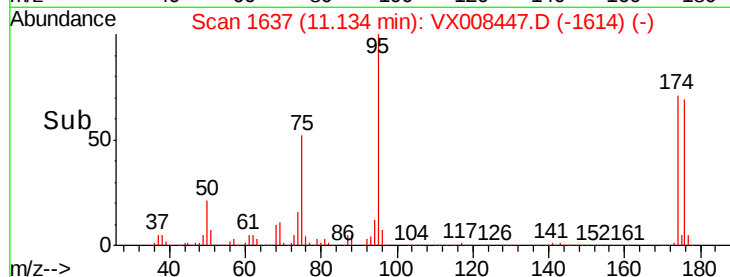
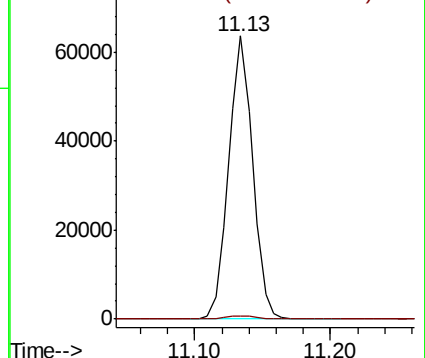
75 100

77 1.4 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: 66.719 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008447.D

Acq: 26 Mar 2019 11:14

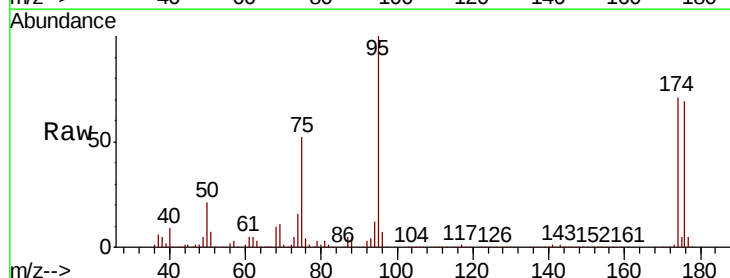
Tgt Ion: 75 Resp: 78036

Ion Ratio Lower Upper

75 100

53 0.0 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

