

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005307.D
 Acq On : 12 Oct 2018 22:18
 Operator : JC/MD
 Sample : VX1012WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBL02

Quant Time: Oct 13 02:39:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

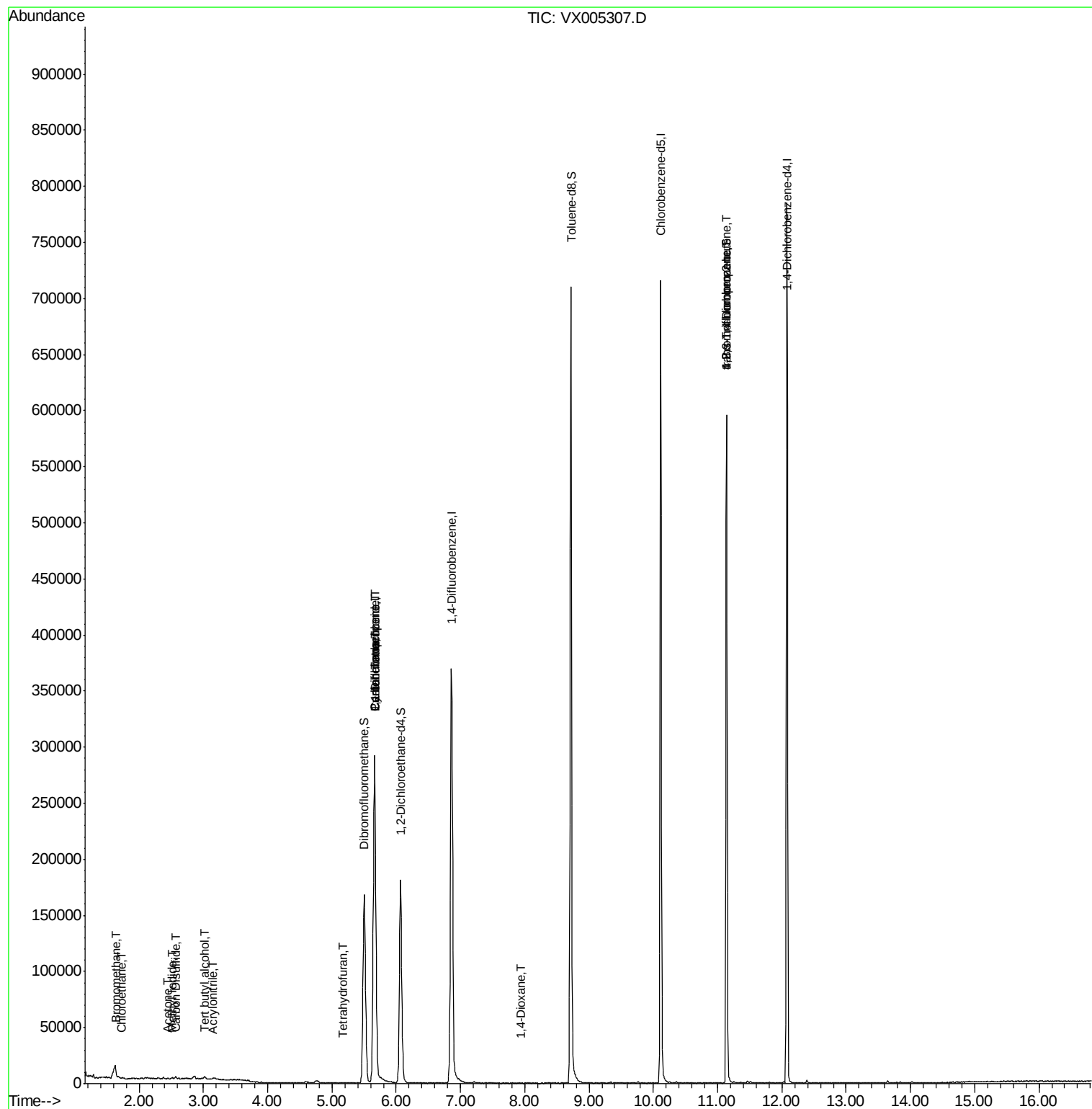
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	296677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	389081	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	339065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163641	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	168760	51.25	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.50%	
35) Dibromofluoromethane	5.51	113	142254	55.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.40%	
50) Toluene-d8	8.72	98	451855	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.14	95	148117	44.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.14%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	979	1.087	ug/l	87
6) Chloroethane	1.71	64	63	0.363	ug/l #	54
10) Methyl Iodide	2.51	142	882	2.780	ug/l #	87
11) Tert butyl alcohol	3.02	59	1594	1.716	ug/l #	72
13) Acrolein	2.30	56	162	Below Cal	#	43
15) Acrylonitrile	3.15	53	566	0.269	ug/l #	85
16) Acetone	2.45	43	773	0.406	ug/l #	84
17) Carbon Disulfide	2.57	76	1747	0.222	ug/l #	86
20) Methylene Chloride	2.85	84	1074	Below Cal	#	85
29) Tetrahydrofuran	5.16	42	435	0.245	ug/l #	54
31) Cyclohexane	5.66	56	5184	1.145	ug/l #	21
36) 1,1-Dichloropropene	5.66	75	19600	5.201	ug/l #	49
38) Carbon Tetrachloride	5.66	117	25260	6.671	ug/l #	15
44) Trichloroethene	7.22	130	389	Below Cal		97
49) 1,4-Dioxane	7.94	88	22	0.285	ug/l #	8
76) 1,2,3-Trichloropropane	11.14	75	72807	22.937	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	72807	69.695	ug/l #	10

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

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QLast Update : Fri Oct 12 11:28:43 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005307.D

Acq: 12 Oct 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

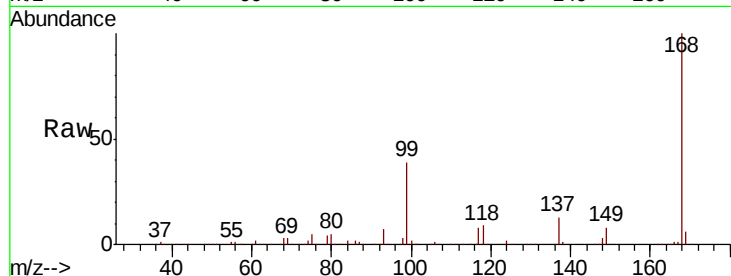
VX1012WBL02

Tot Ion:168 Resp: 296677

Ion Ratio Lower Upper

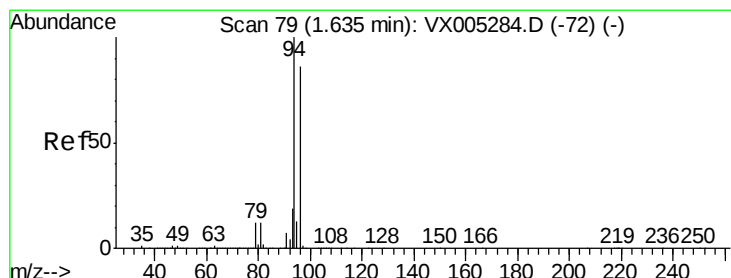
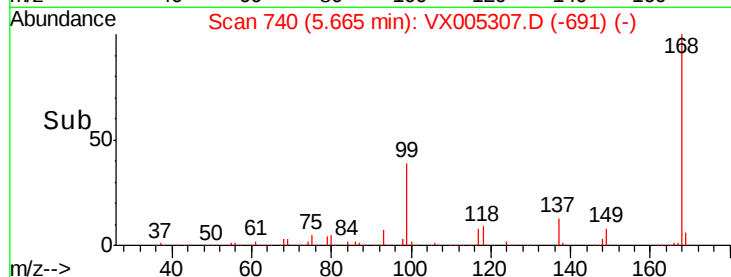
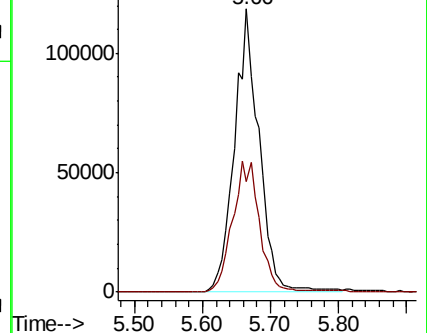
168 100

99 38.9 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 1.087 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005307.D

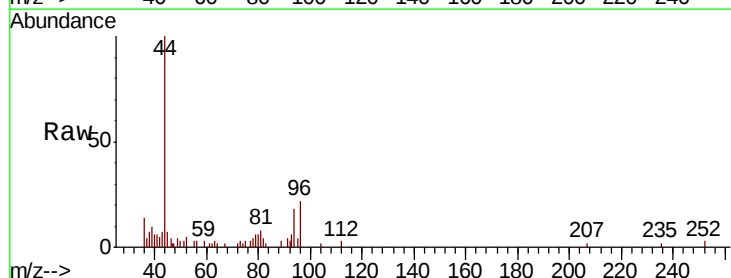
Acq: 12 Oct 2018 22:18

Tgt Ion: 94 Resp: 979

Ion Ratio Lower Upper

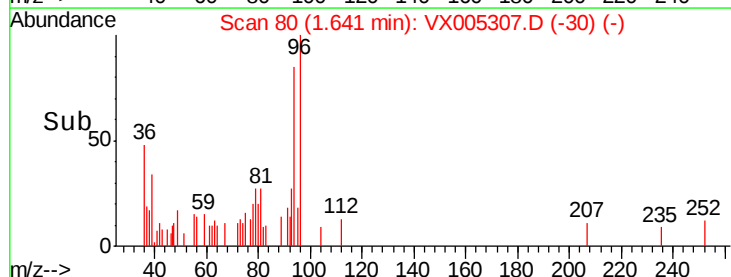
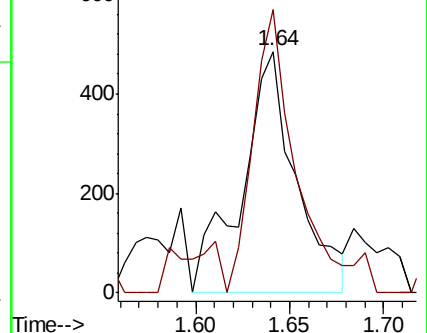
94 100

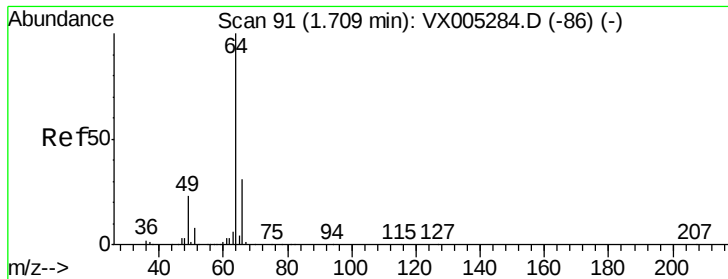
96 106.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.363 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005307.D

Acq: 12 Oct 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

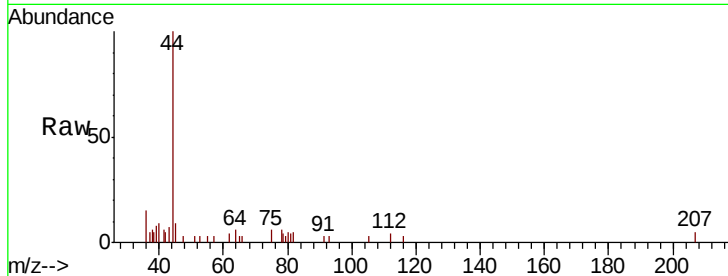
VX1012WBL02

Tot Ion: 64 Resp: 63

Ion Ratio Lower Upper

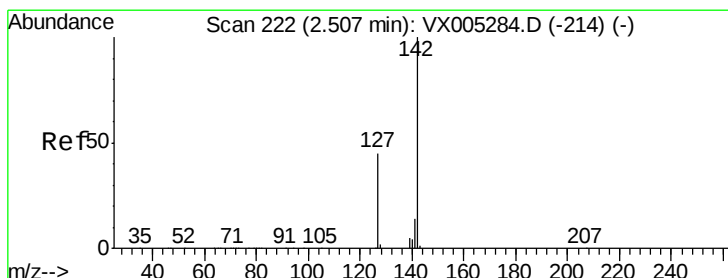
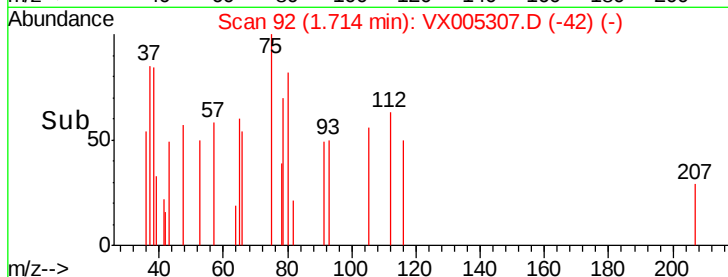
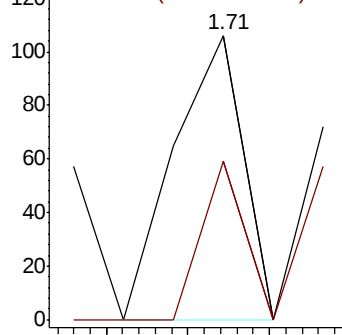
64 100

66 55.7 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.780 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005307.D

Acq: 12 Oct 2018 22:18

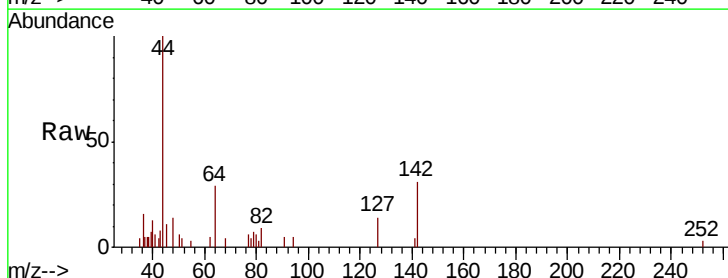
Tgt Ion:142 Resp: 882

Ion Ratio Lower Upper

142 100

127 47.8 33.8 50.6

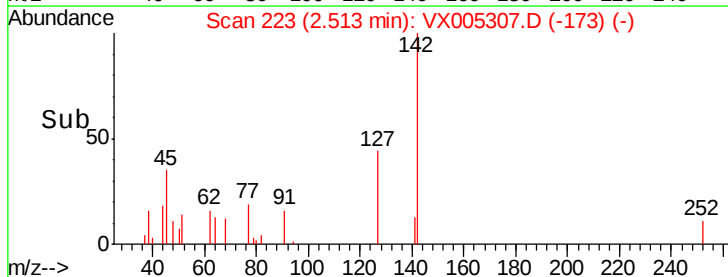
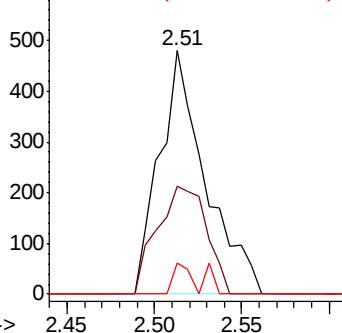
141 4.6 11.4 17.0#

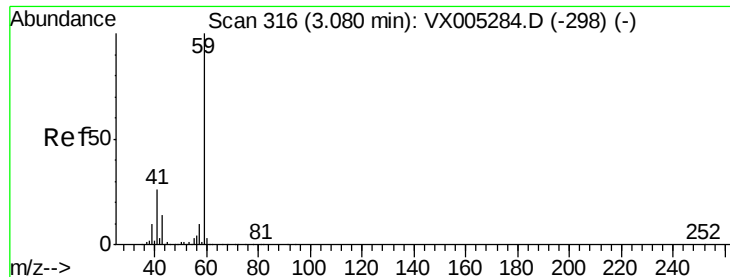


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



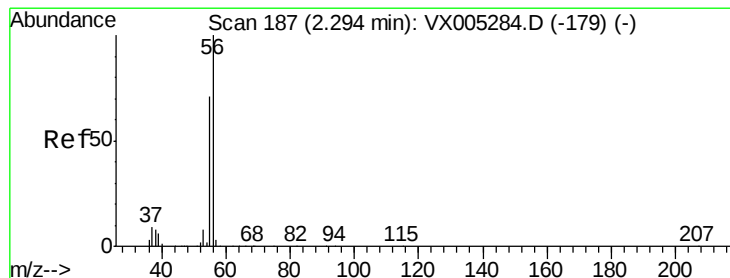
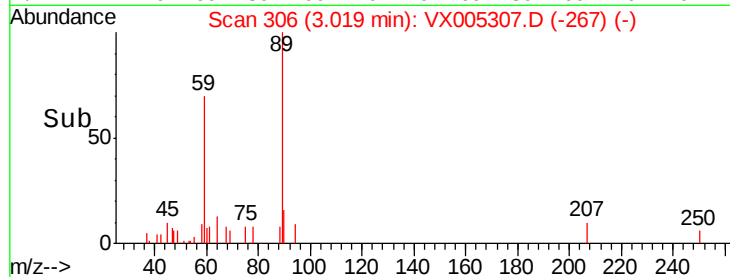
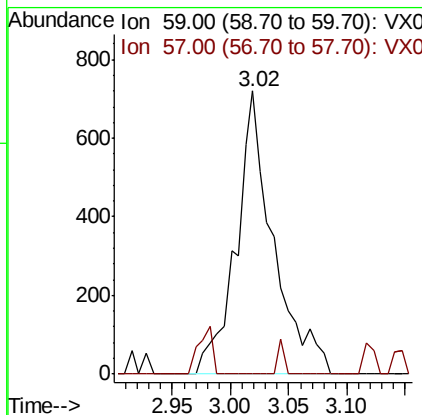
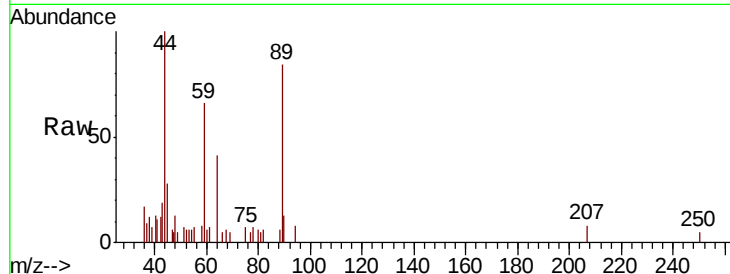


#11

Tert butyl alcohol
 Concen: 1.716 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005307.D
 Acq: 12 Oct 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBL02

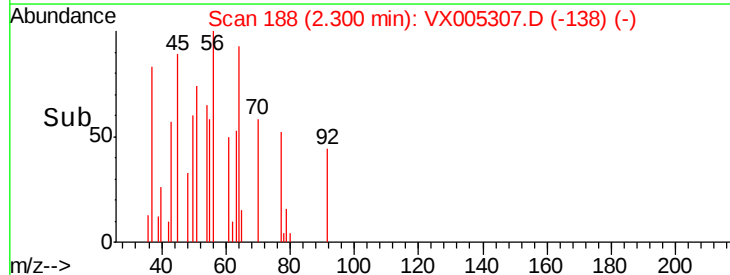
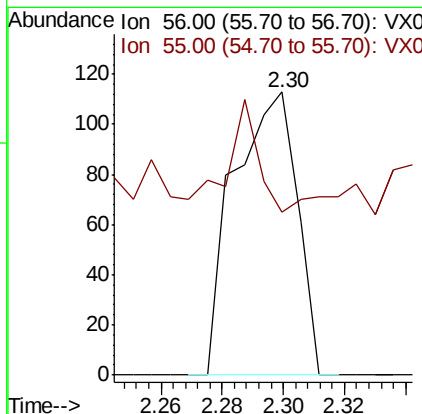
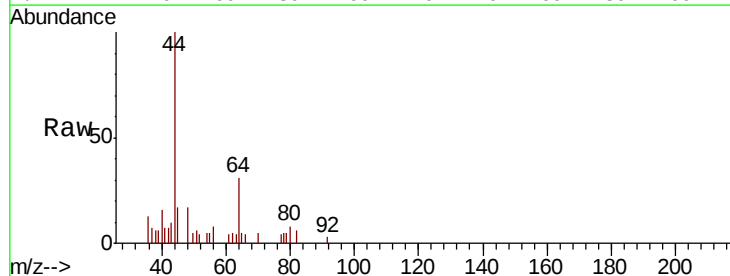
Tot Ion: 59 Resp: 1594
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

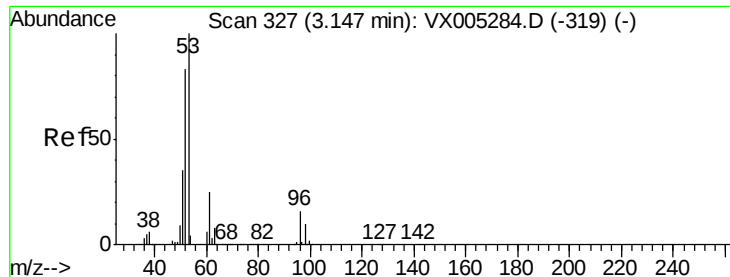


#13

Acrolein
 Concen: Below Cal
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005307.D
 Acq: 12 Oct 2018 22:18

Tgt Ion: 56 Resp: 162
 Ion Ratio Lower Upper
 56 100
 55 22.2 54.7 82.1#

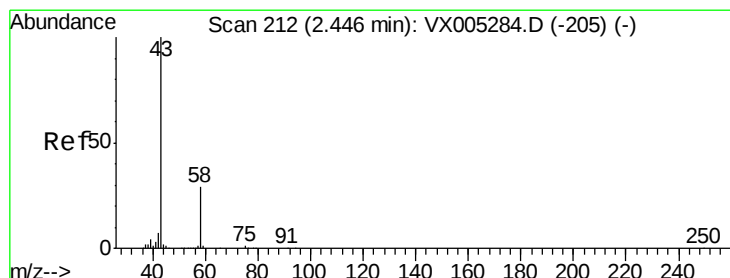
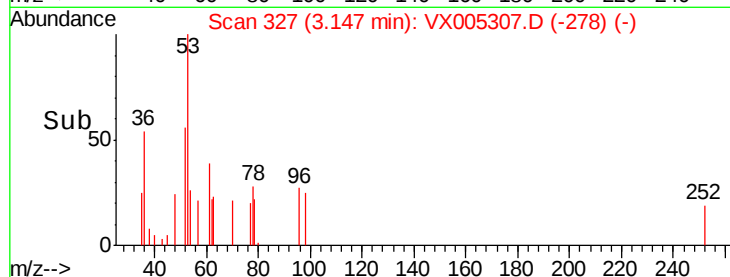
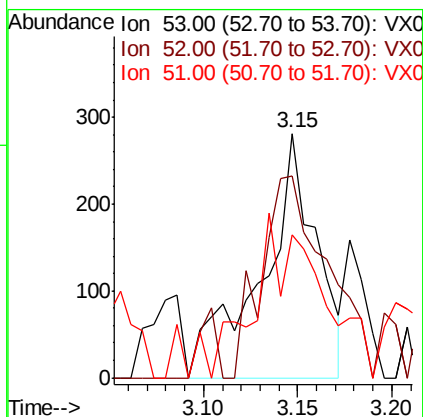
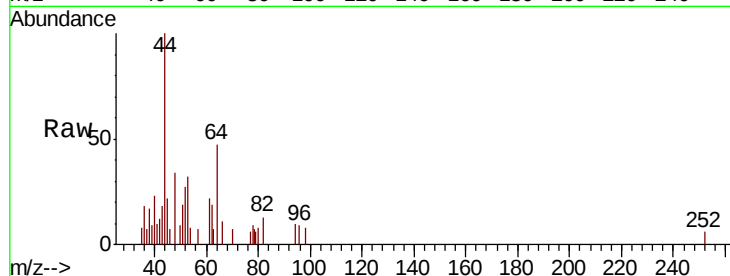




#15
 Acrylonitrile
 Concen: 0.269 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005307.D
 Acq: 12 Oct 2018 22:18

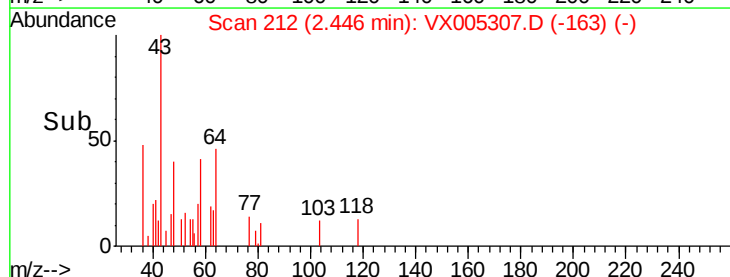
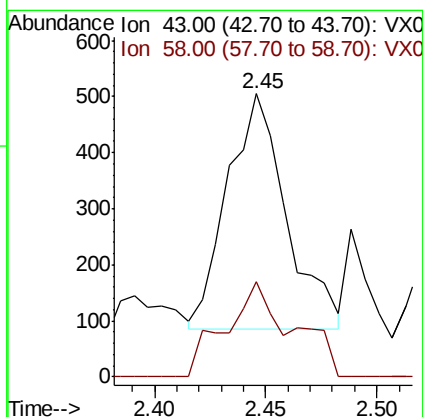
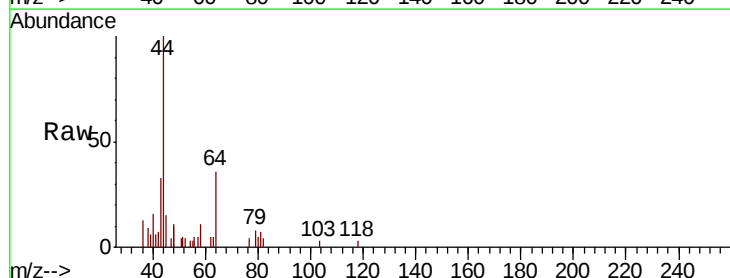
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBL02

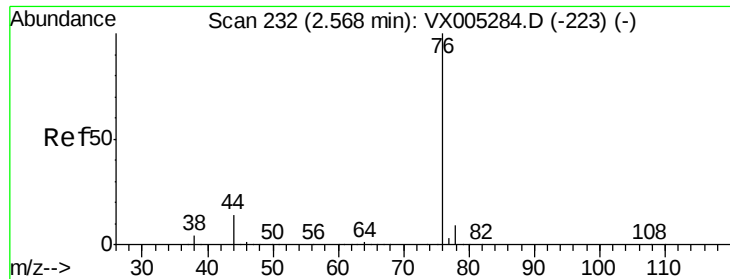
Tot Ion: 53 Resp: 566
 Ion Ratio Lower Upper
 53 100
 52 98.9 65.2 97.8#
 51 38.2 28.2 42.2



#16
 Acetone
 Concen: 0.406 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005307.D
 Acq: 12 Oct 2018 22:18

Tgt Ion: 43 Resp: 773
 Ion Ratio Lower Upper
 43 100
 58 42.0 26.2 39.4#





#17

Carbon Disulfide

Concen: 0.222 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005307.D

Acq: 12 Oct 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

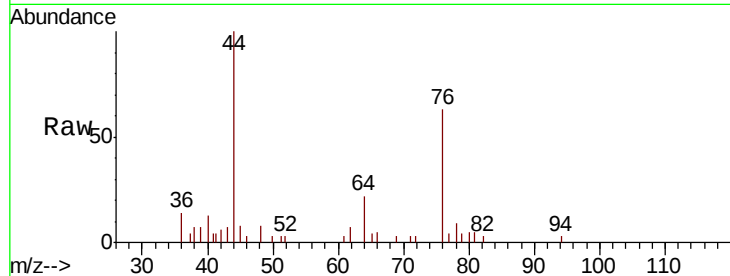
VX1012WBL02

Tot Ion: 76 Resp: 1747

Ion Ratio Lower Upper

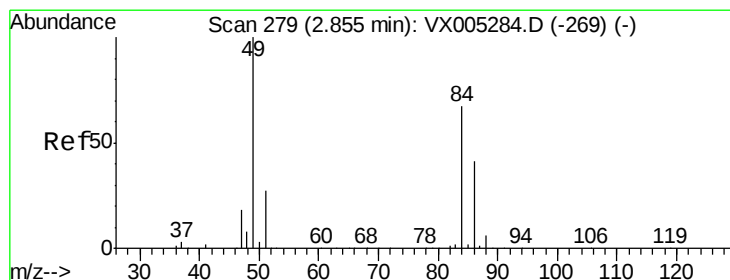
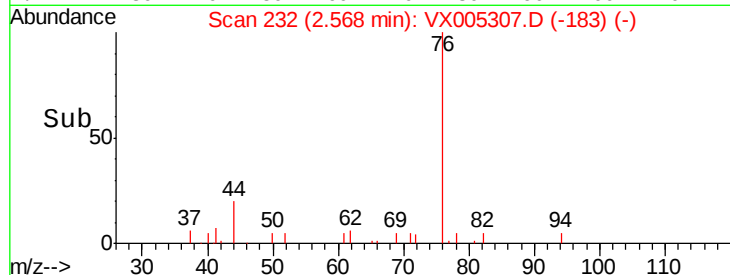
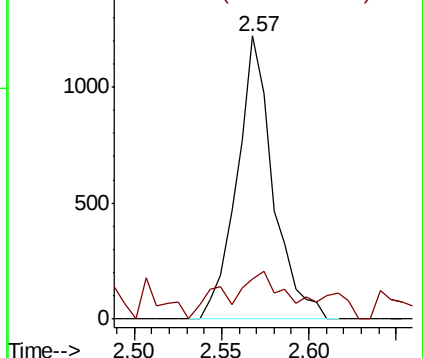
76 100

78 13.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005307.D

Acq: 12 Oct 2018 22:18

Tgt Ion: 84 Resp: 1074

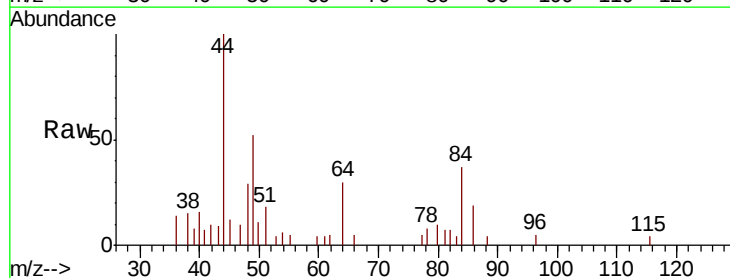
Ion Ratio Lower Upper

84 100

49 141.3 101.2 151.8

51 49.1 29.5 44.3#

86 52.1 52.3 78.5#

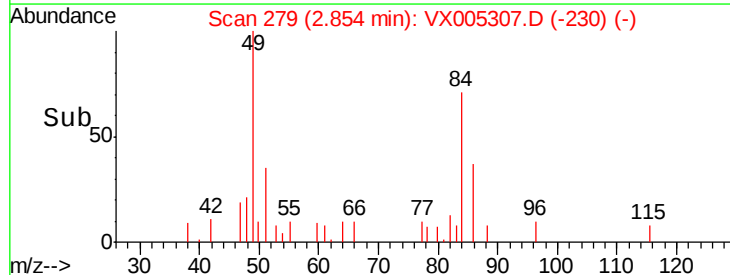
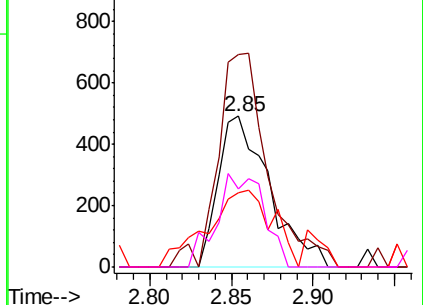


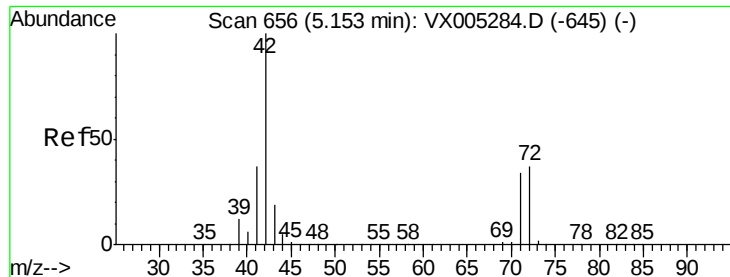
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

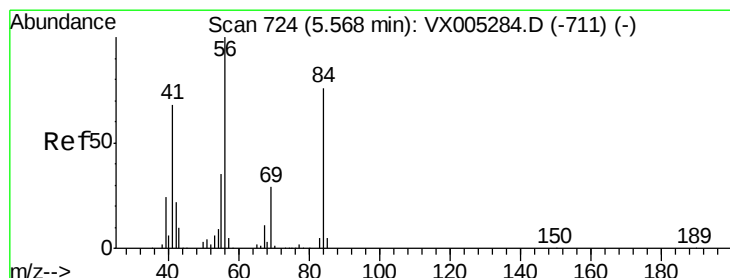
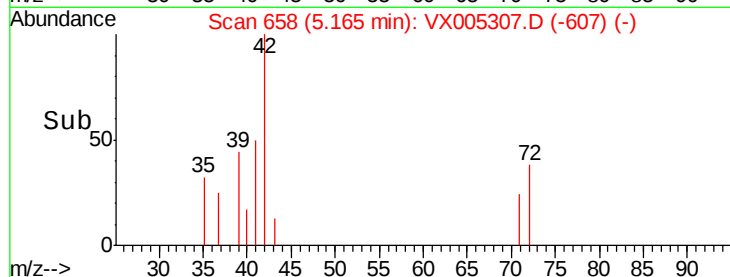
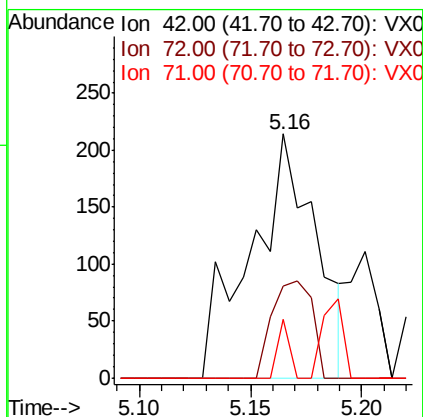
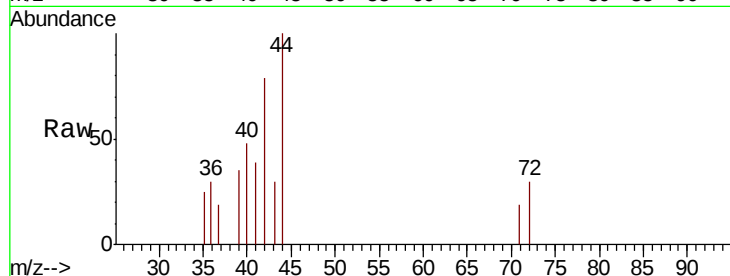




#29
Tetrahydrofuran
Concen: 0.245 ug/l
RT: 5.16 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005307.D
Acq: 12 Oct 2018 22:18

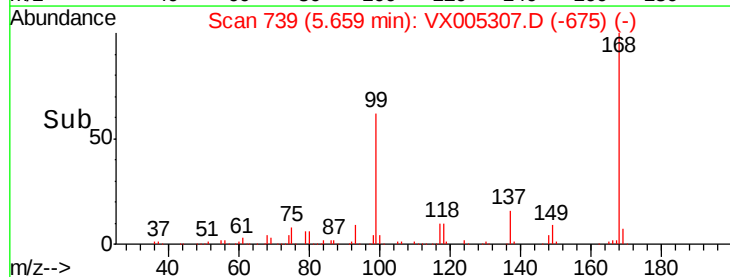
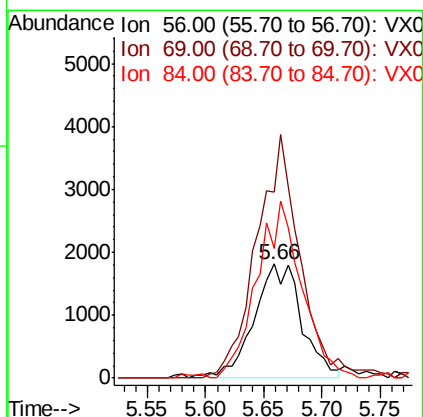
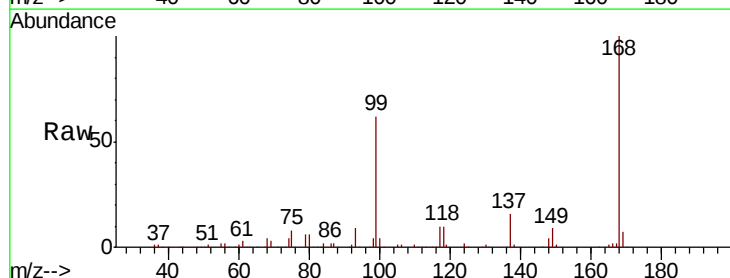
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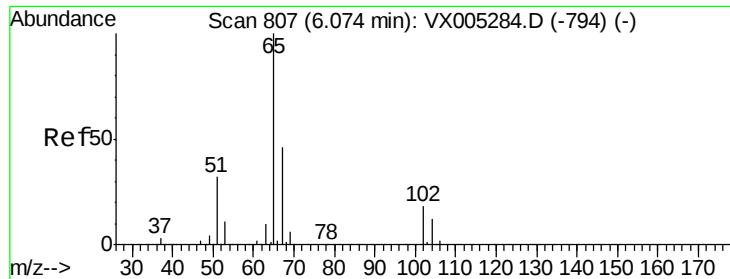
Tot Ion: 42 Resp: 435
Ion Ratio Lower Upper
42 100
72 24.4 37.4 56.0#
71 4.4 34.5 51.7#



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005307.D
Acq: 12 Oct 2018 22:18

Tgt Ion: 56 Resp: 5184
Ion Ratio Lower Upper
56 100
69 162.9 25.4 38.2#
84 110.6 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 51.253 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005307.D

Acq: 12 Oct 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

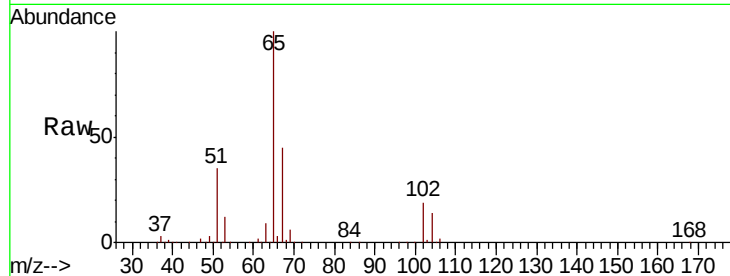
VX1012WBL02

Tot Ion: 65 Resp: 168760

Ion Ratio Lower Upper

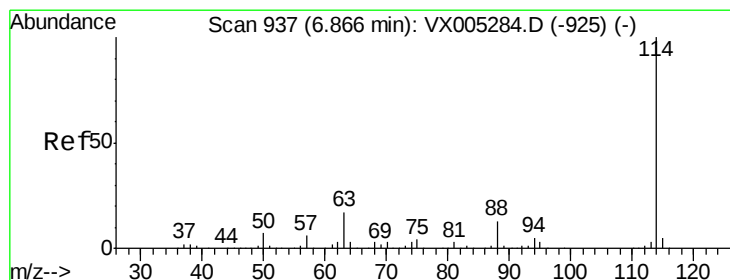
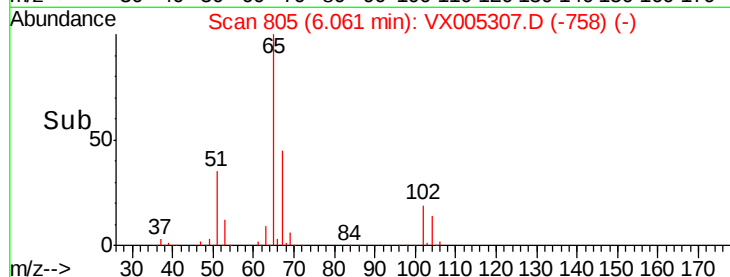
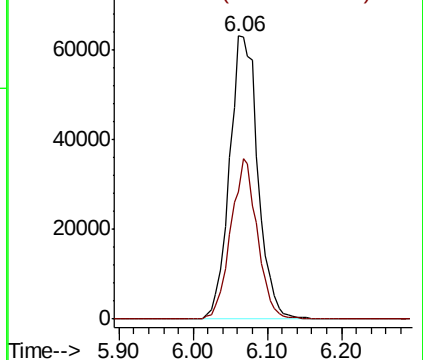
65 100

67 53.1 0.0 106.8



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: VX005307.D

Acq: 12 Oct 2018 22:18

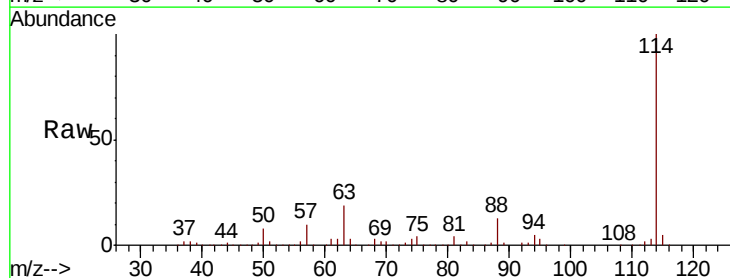
Tgt Ion: 114 Resp: 389081

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.0

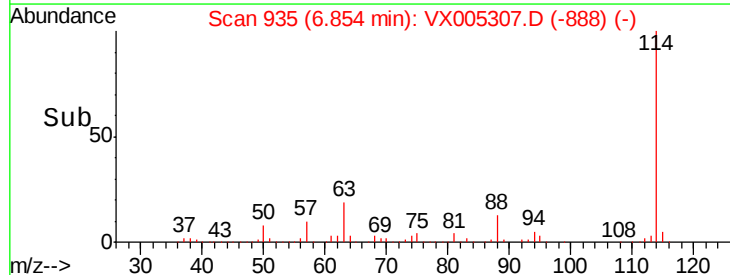
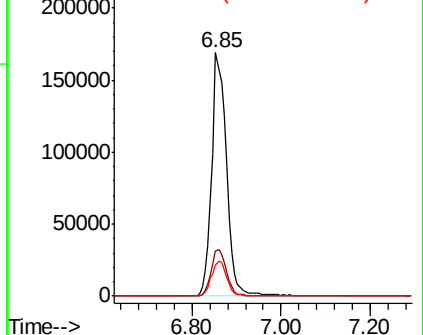
88 12.7 0.0 30.4

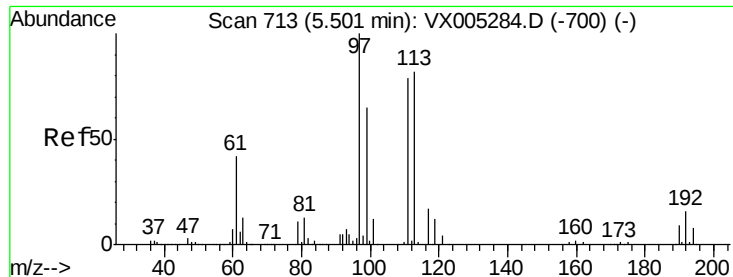


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

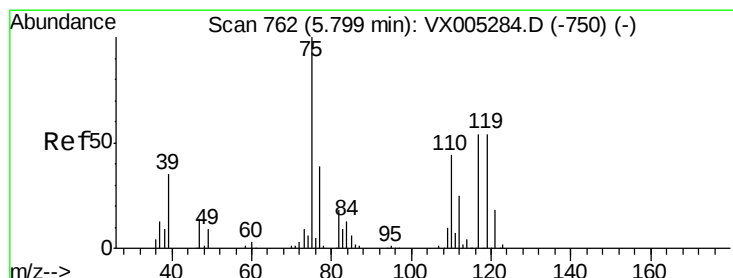
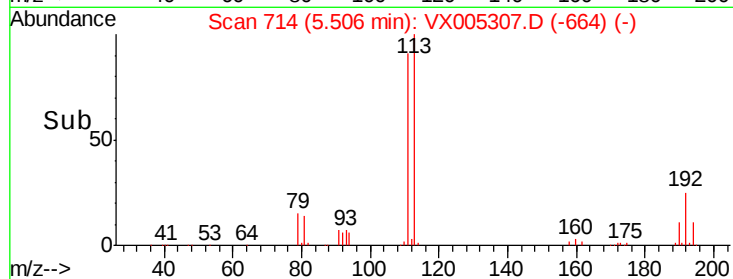
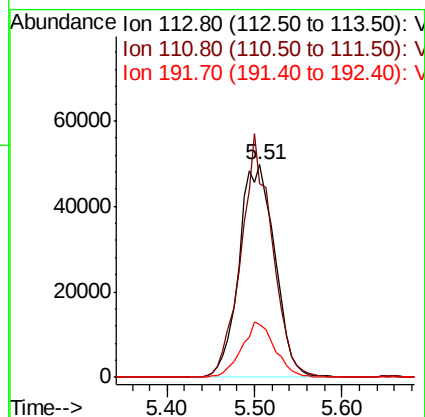
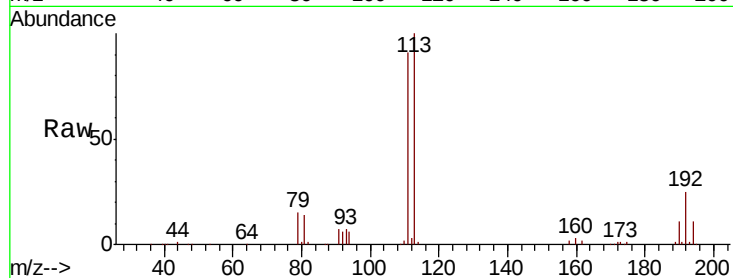




#35
 Dibromofluoromethane
 Concen: 55.202 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005307.D
 Acq: 12 Oct 2018 22:18

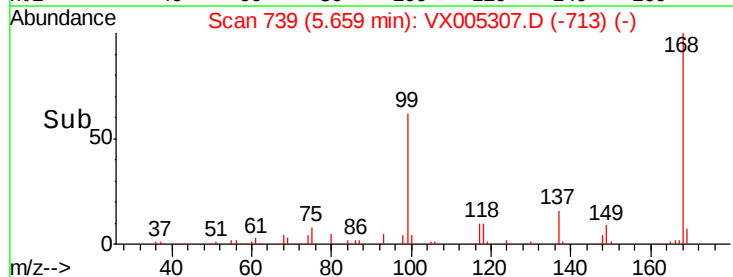
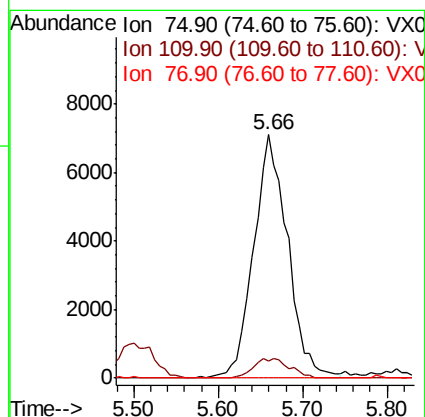
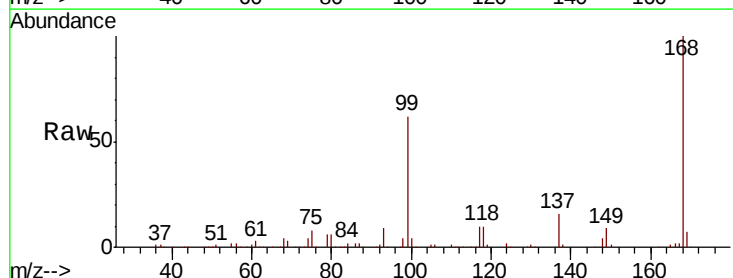
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBL02

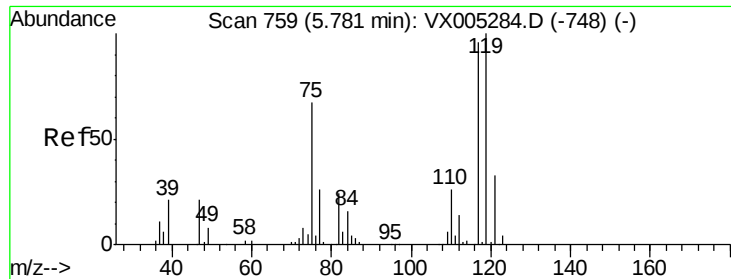
Tot Ion:113 Resp: 142254
 Ion Ratio Lower Upper
 113 100
 111 99.2 82.4 123.6
 192 23.9 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 5.201 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005307.D
 Acq: 12 Oct 2018 22:18

Tgt Ion: 75 Resp: 19600
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.0 54.0#
 77 0.0 24.6 36.8#

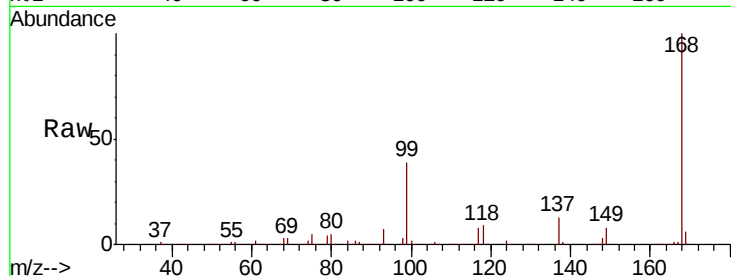




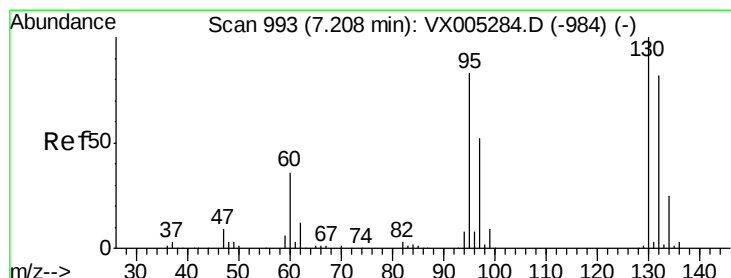
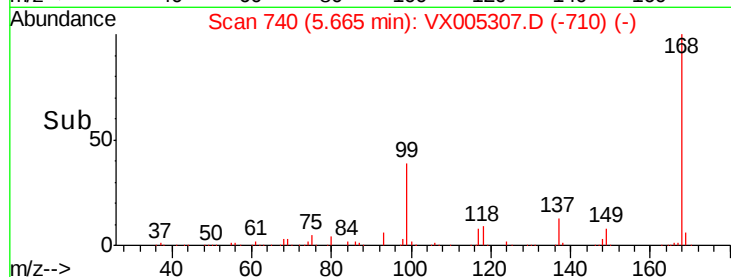
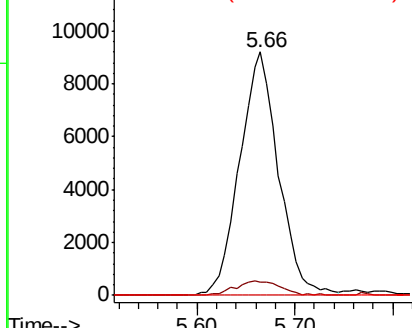
#38
Carbon Tetrachloride
Concen: 6.671 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005307.D
Acq: 12 Oct 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBL02

Tot Ion:117 Resp: 25260
Ion Ratio Lower Upper
117 100
119 5.3 78.8 118.2#
121 0.0 24.9 37.3#

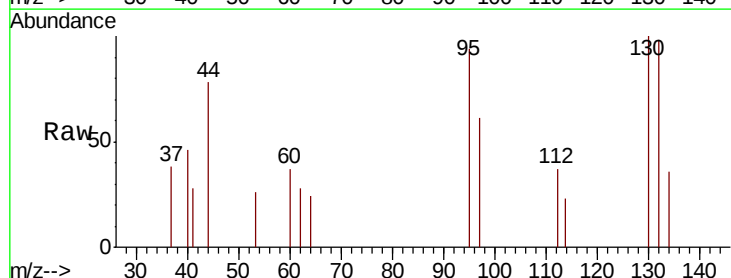


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

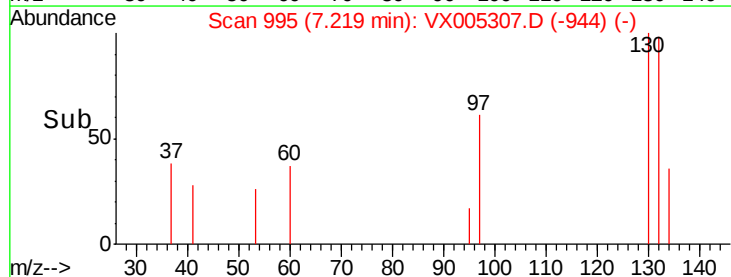
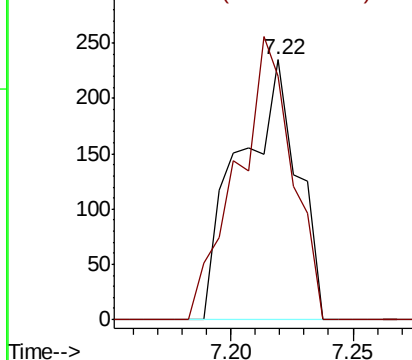


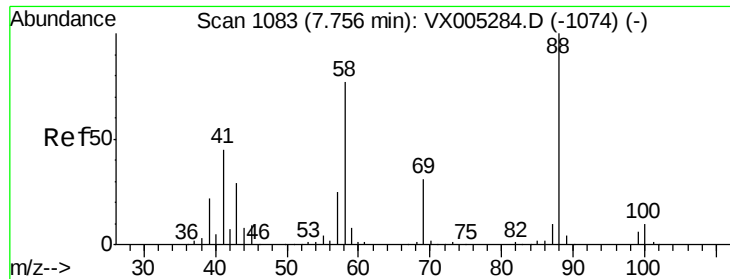
#44
Trichloroethene
Concen: Below Cal
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX005307.D
Acq: 12 Oct 2018 22:18

Tgt Ion:130 Resp: 389
Ion Ratio Lower Upper
130 100
95 93.6 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

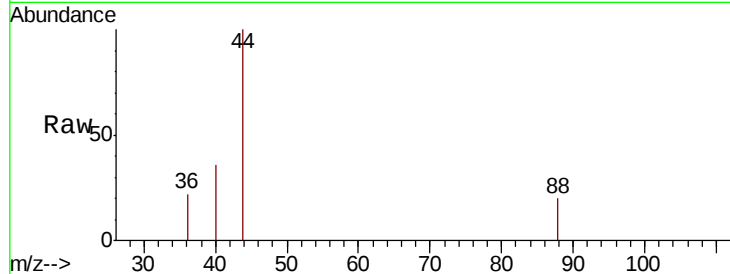




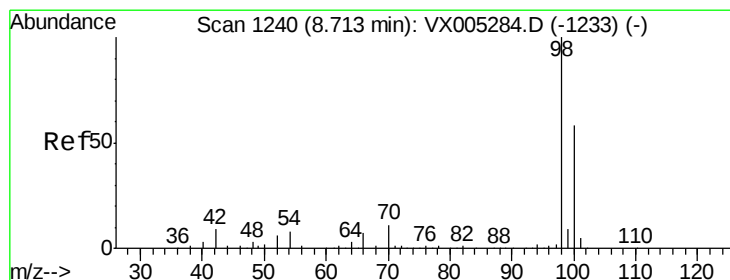
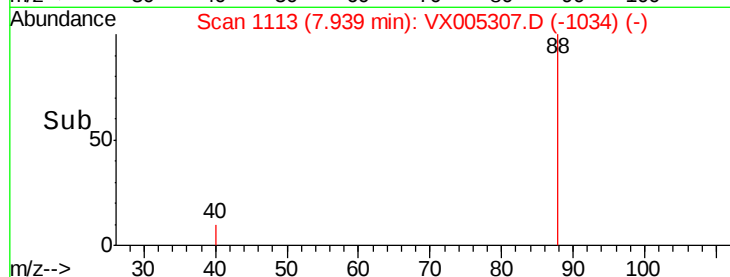
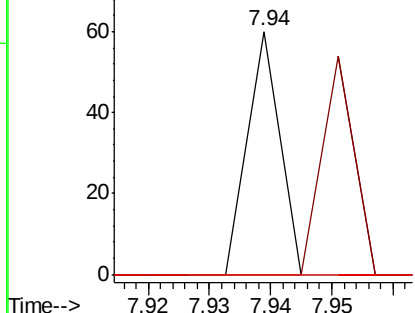
#49
 1,4-Dioxane
 Concen: 0.285 ug/l
 RT: 7.94 min Scan# 1113
 Delta R.T. 0.18 min
 Lab File: VX005307.D
 Acq: 12 Oct 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBL02

Tot Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 90.9 24.7 37.1#
 58 0.0 55.3 82.9#

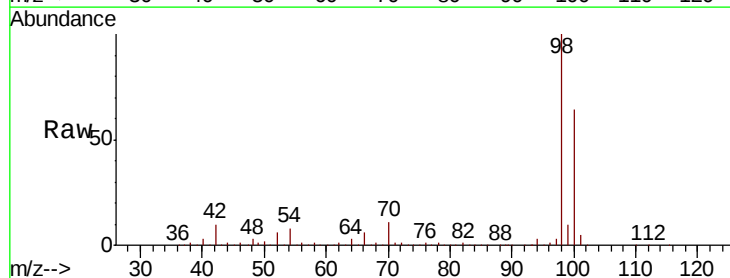


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

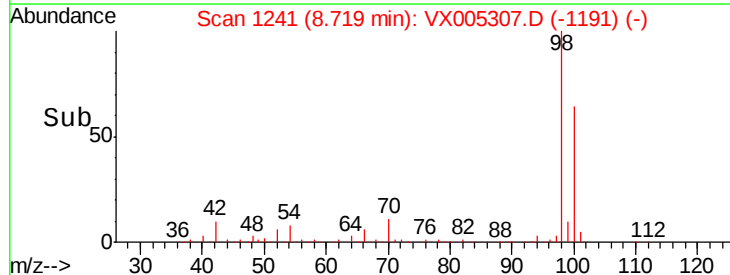
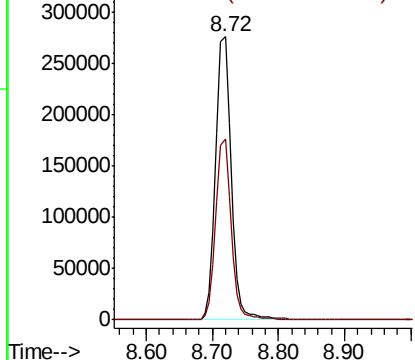


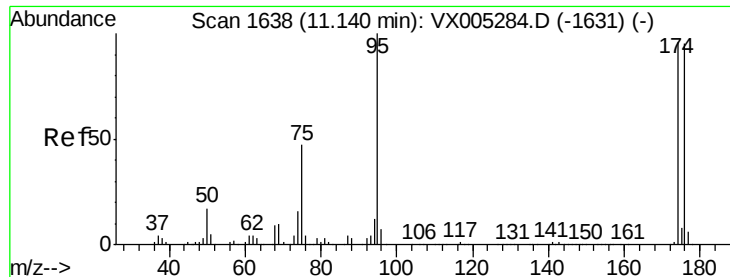
#50
 Toluene-d8
 Concen: 51.075 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VX005307.D
 Acq: 12 Oct 2018 22:18

Tgt Ion: 98 Resp: 451855
 Ion Ratio Lower Upper
 98 100
 100 63.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.567 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005307.D

Acq: 12 Oct 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBL02

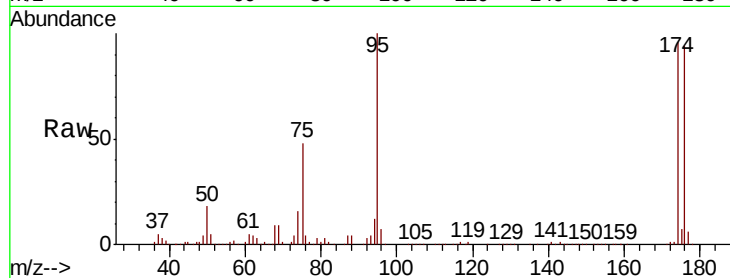
Tot Ion: 95 Resp: 148117

Ion Ratio Lower Upper

95 100

174 94.9 0.0 185.2

176 91.2 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005284.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005284.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005284.D (-1631) (-)

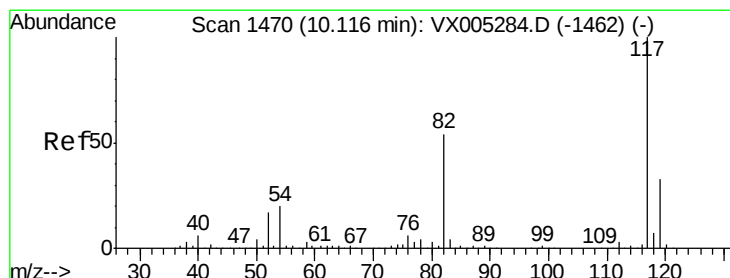
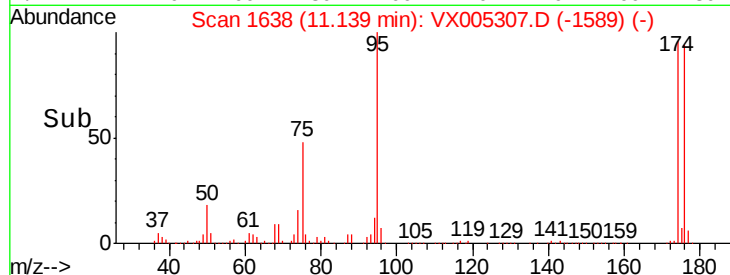
11.14

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005307.D

Acq: 12 Oct 2018 22:18

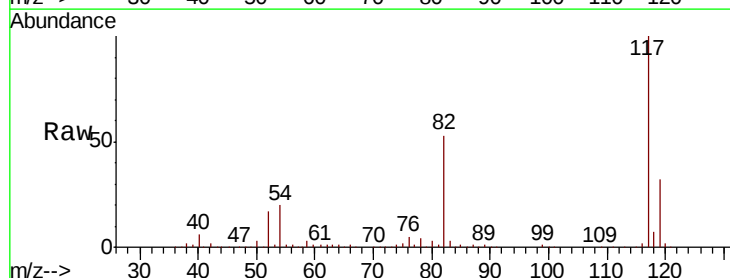
Tgt Ion: 117 Resp: 339065

Ion Ratio Lower Upper

117 100

82 53.0 47.8 71.6

119 31.7 29.3 43.9



Abundance Ion 116.90 (116.60 to 117.60): VX005284.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005284.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005284.D (-1462) (-)

10.12

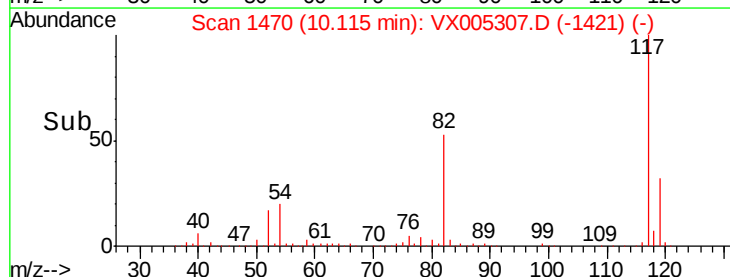
300000

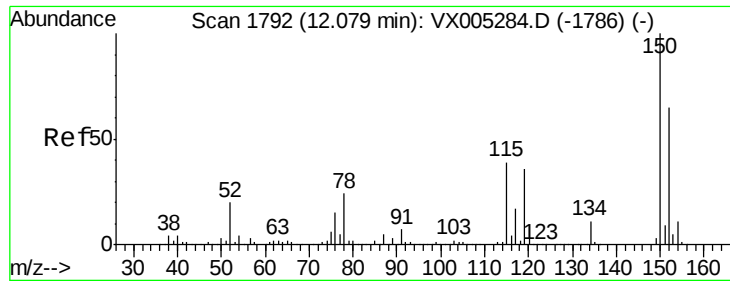
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005307.D

Acq: 12 Oct 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBL02

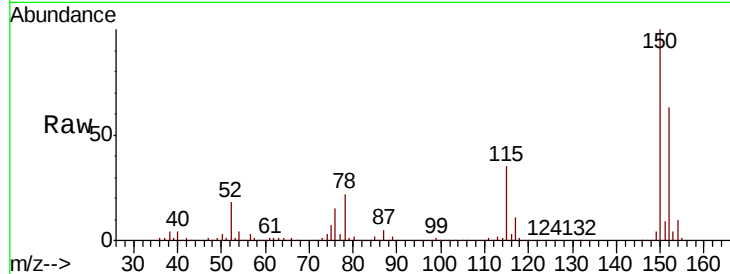
Tot Ion:152 Resp: 163641

Ion Ratio Lower Upper

152 100

115 54.8 39.0 117.0

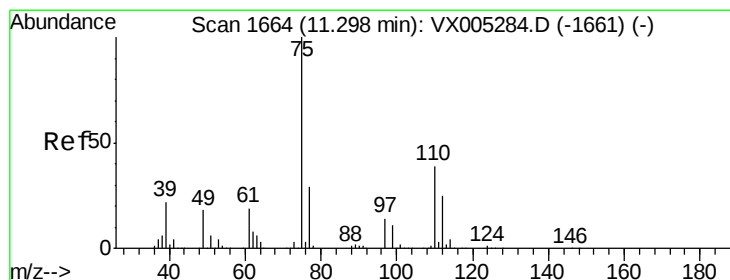
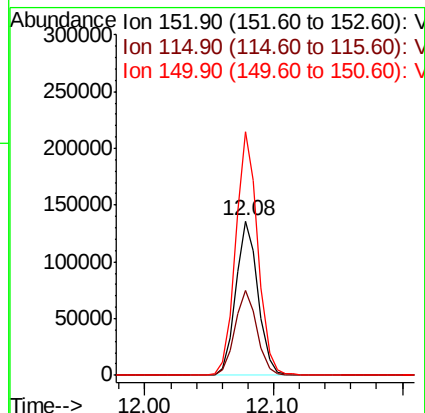
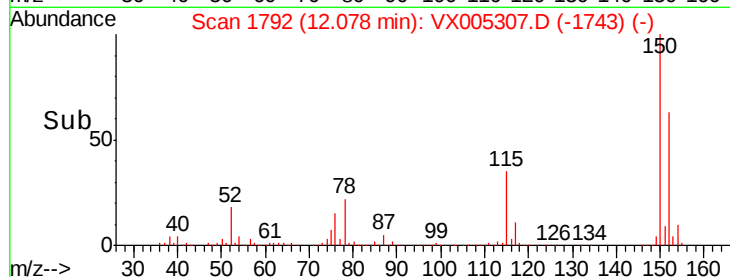
150 157.2 0.0 351.0



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: 22.937 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005307.D

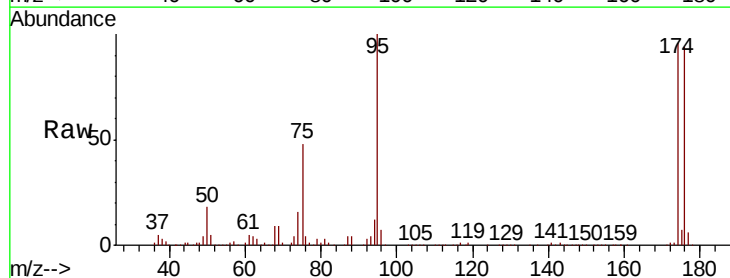
Acq: 12 Oct 2018 22:18

Tgt Ion: 75 Resp: 72807

Ion Ratio Lower Upper

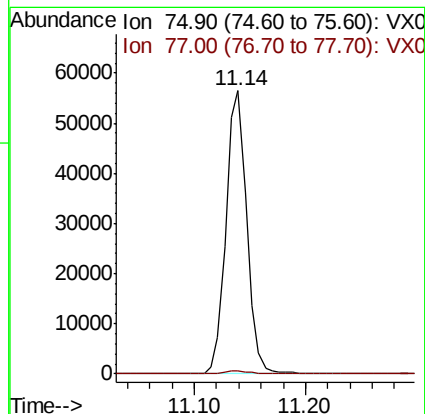
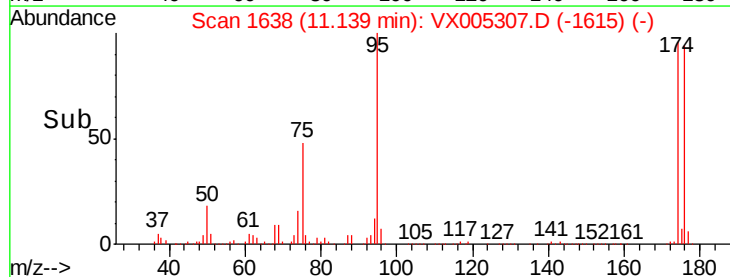
75 100

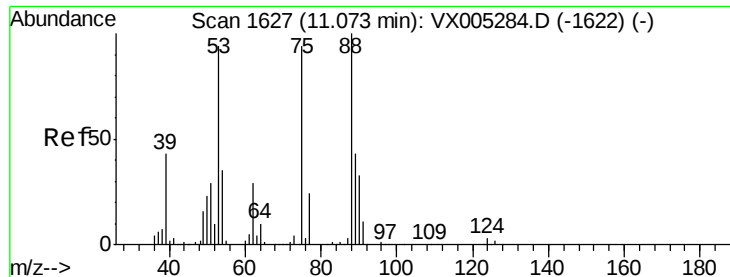
77 1.3 20.2 60.6#



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: 69.695 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005307.D

Acq: 12 Oct 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBL02

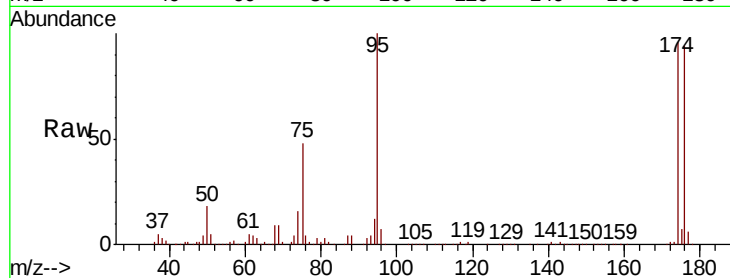
Tot Ion: 75 Resp: 72807

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#



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

