

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012573.D
 Acq On : 20 Sep 2019 22:12
 Operator : JC/SP
 Sample : VX0920WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBL02

Quant Time: Sep 21 01:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295098	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101657	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	122417	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
35) Dibromofluoromethane	5.49	113	86499	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	8.71	98	338206	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.14	95	122805	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	

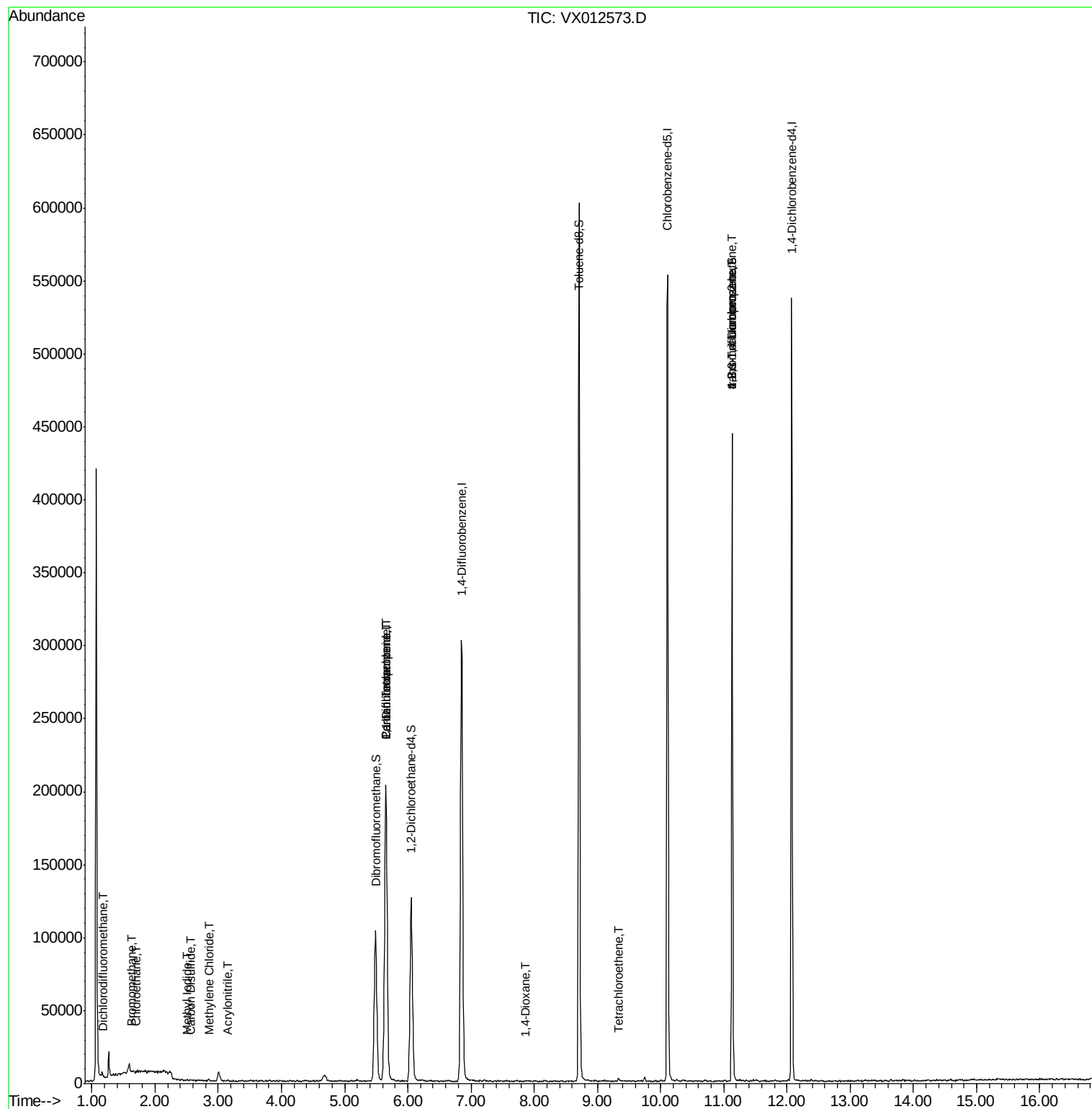
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	46	0.429	ug/l #	43
5) Bromomethane	1.64	94	378	0.885	ug/l	95
6) Chloroethane	1.70	64	173	0.203	ug/l #	53
10) Methyl Iodide	2.50	142	463	4.783	ug/l #	83
11) Tert butyl alcohol	3.01	59	3715	Below Cal	#	72
13) Acrolein	2.29	56	70	Below Cal	#	1
15) Acrylonitrile	3.16	53	249	0.219	ug/l #	58
16) Acetone	2.44	43	330	Below Cal	#	82
17) Carbon Disulfide	2.56	76	439	2.066	ug/l #	75
20) Methylene Chloride	2.85	84	395	0.249	ug/l #	85
36) 1,1-Dichloropropene	5.65	75	15176	8.462	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19200	8.608	ug/l #	18
49) 1,4-Dioxane	7.86	88	22	0.388	ug/l #	1
64) Tetrachloroethene	9.33	164	347	0.304	ug/l #	88
76) 1,2,3-Trichloropropane	11.14	75	62761	26.877	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	62761	72.314	ug/l #	8

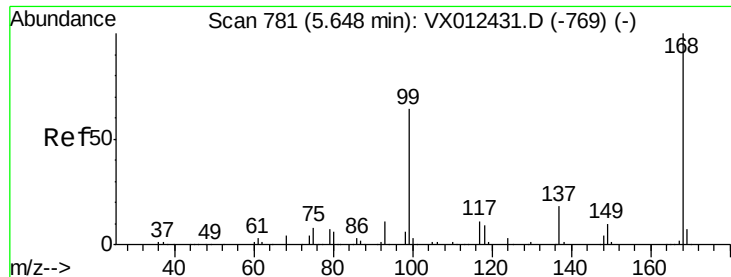
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

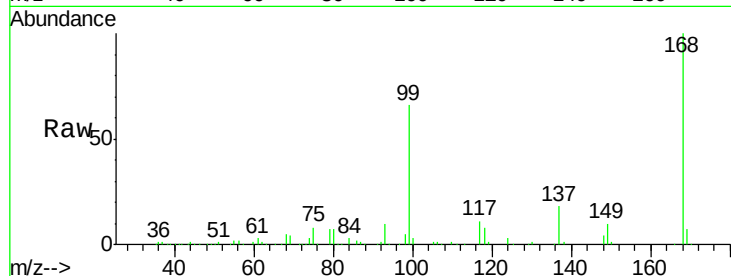
VX0920WBL02

Tot Ion:168 Resp: 182995

Ion Ratio Lower Upper

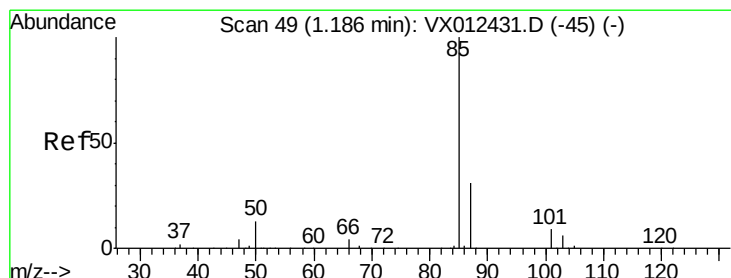
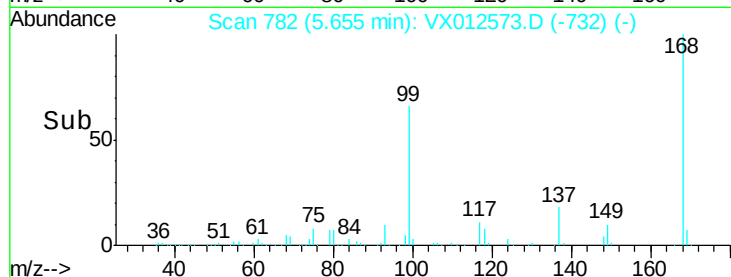
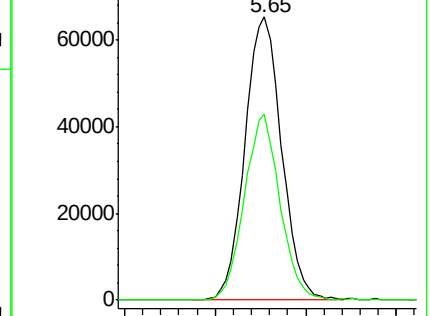
168 100

99 65.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.429 ug/l

RT: 1.18 min Scan# 48

Delta R.T. -0.01 min

Lab File: VX012573.D

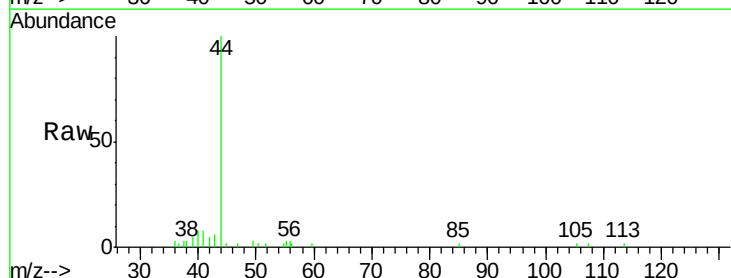
Acq: 20 Sep 2019 22:12

Tgt Ion: 85 Resp: 46

Ion Ratio Lower Upper

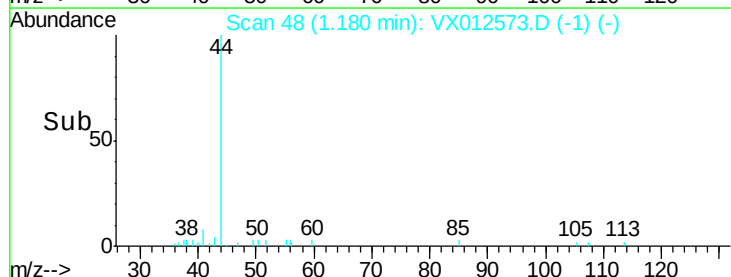
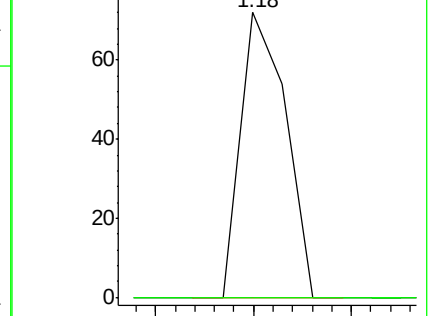
85 100

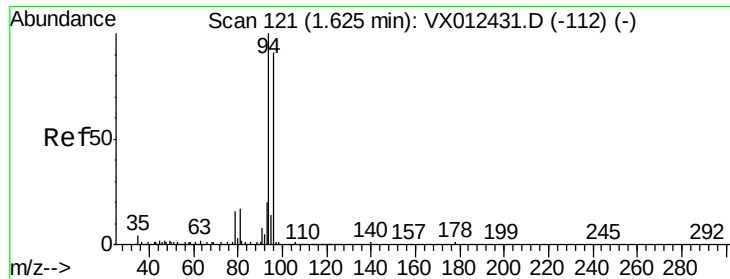
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.885 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampled :

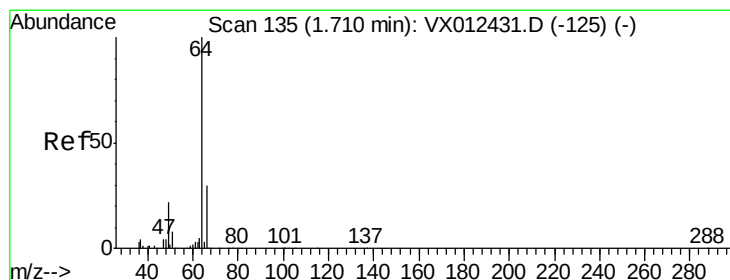
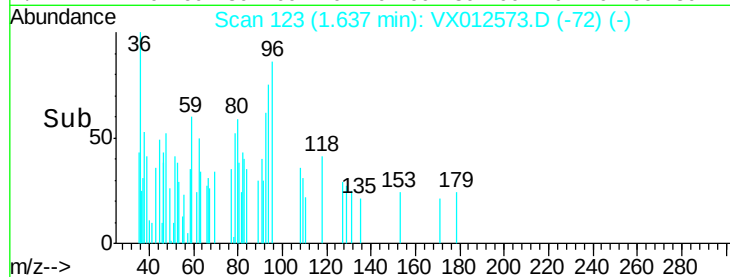
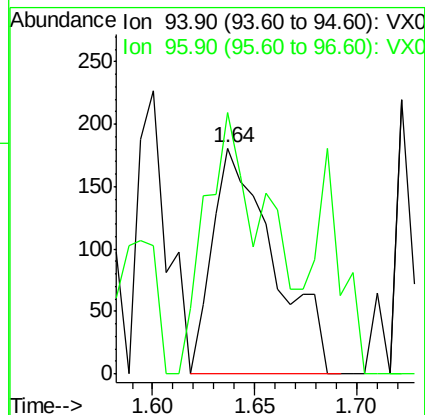
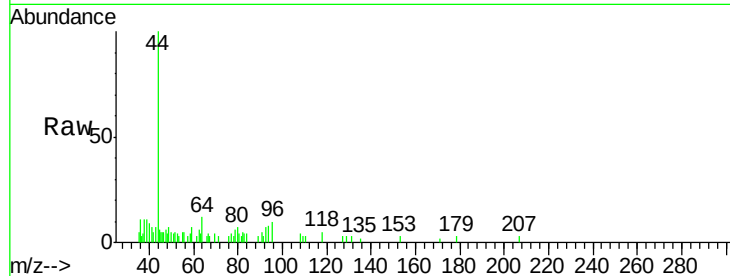
VX0920WBL02

Tot Ion: 94 Resp: 378

Ion Ratio Lower Upper

94 100

96 86.2 72.8 109.2



#6

Chloroethane

Concen: 0.203 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012573.D

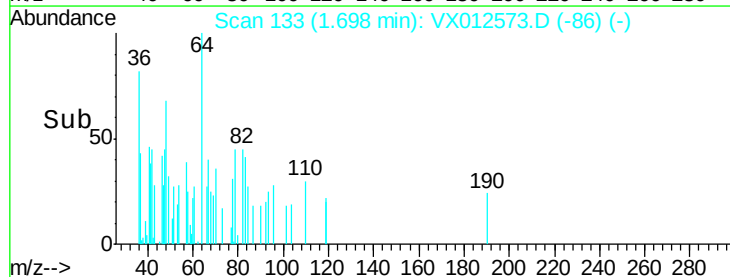
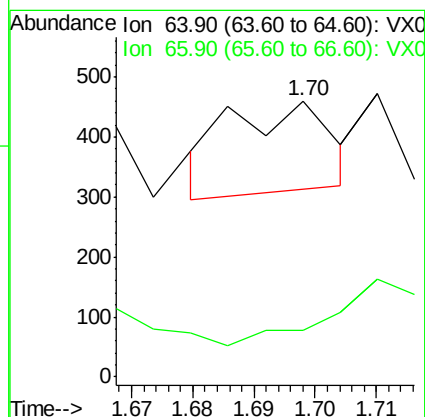
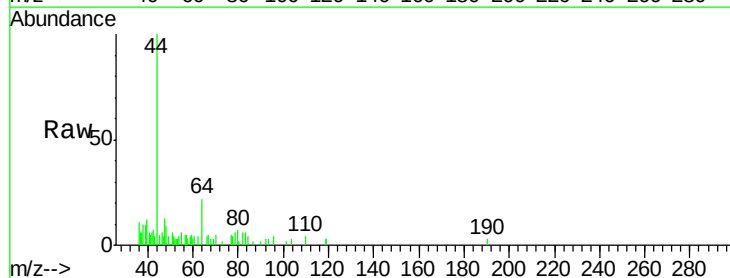
Acq: 20 Sep 2019 22:12

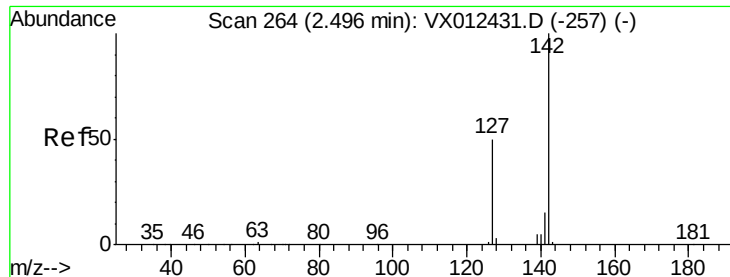
Tgt Ion: 64 Resp: 173

Ion Ratio Lower Upper

64 100

66 4.8 24.0 36.0#

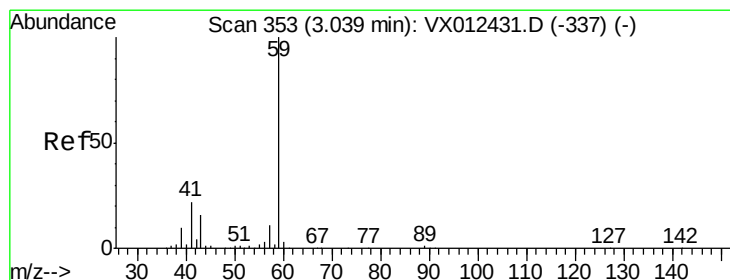
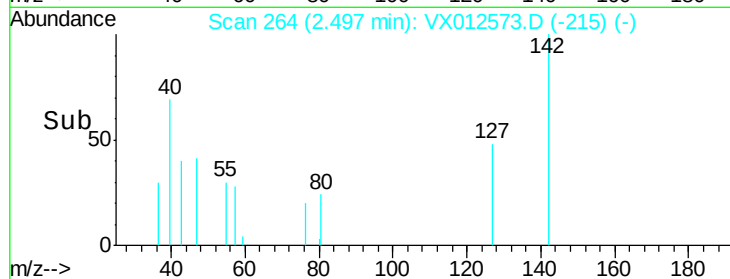
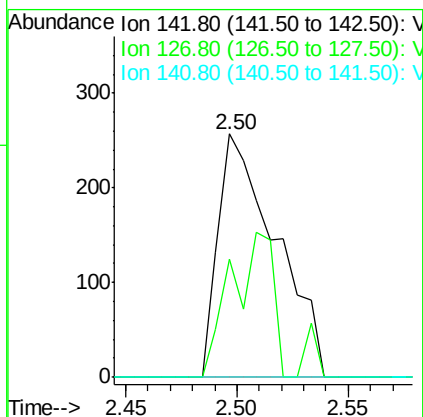
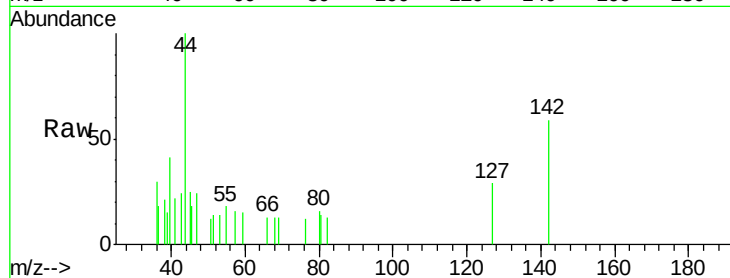




#10
Methvl Iodide
Concen: 4.783 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012573.D
Acq: 20 Sep 2019 22:12

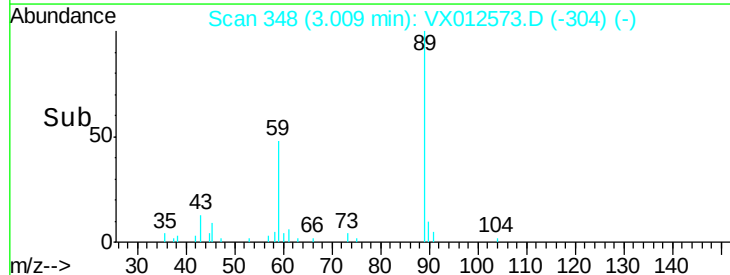
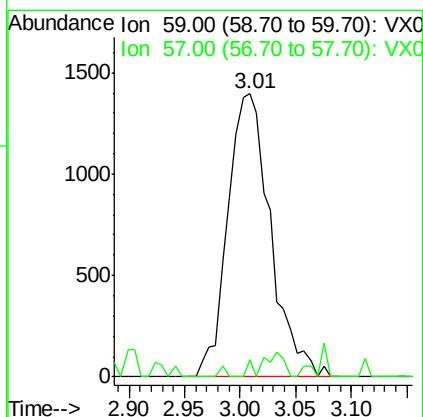
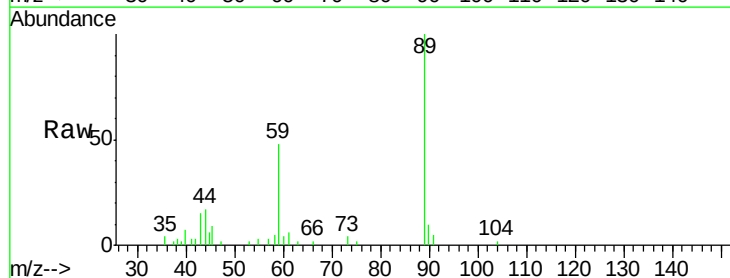
Instrument :
MSVOA_X
ClientSampleId :
VX0920WBL02

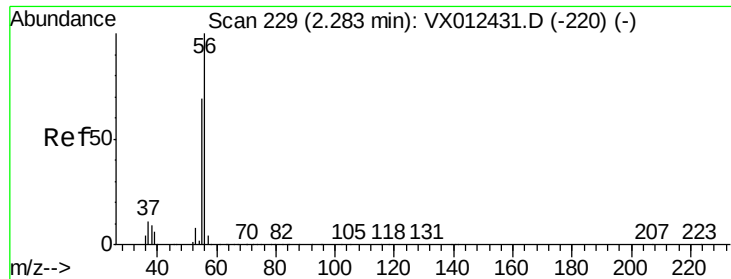
Tot Ion:142 Resp: 463
Ion Ratio Lower Upper
142 100
127 43.0 40.8 61.2
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012573.D
Acq: 20 Sep 2019 22:12

Tgt Ion: 59 Resp: 3715
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

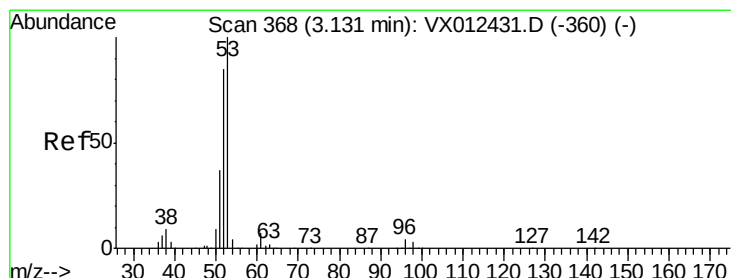
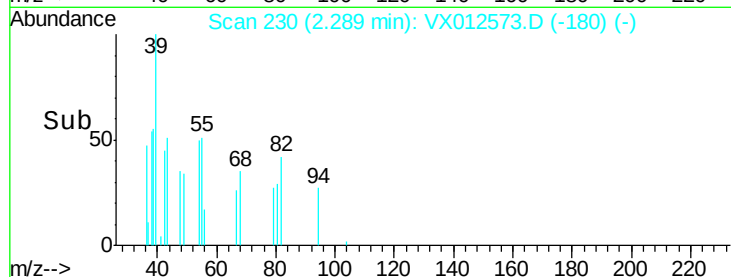
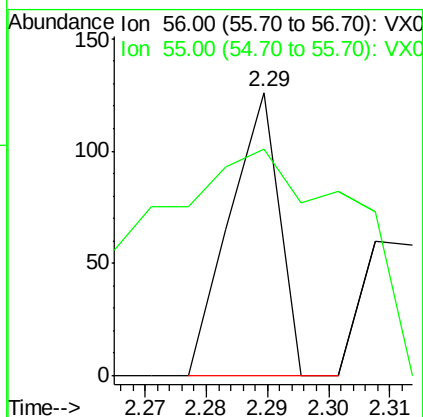
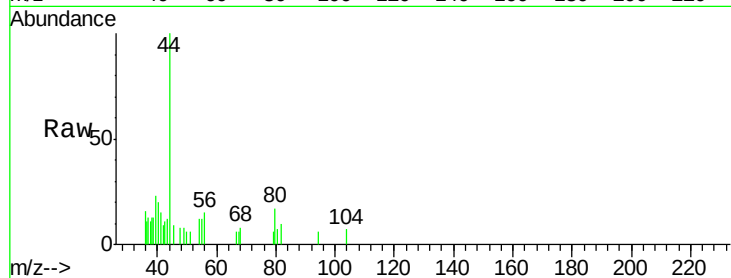
VX0920WBL02

Tot Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 222.9 55.8 83.8#



#15

Acrylonitrile

Concen: 0.219 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.02 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

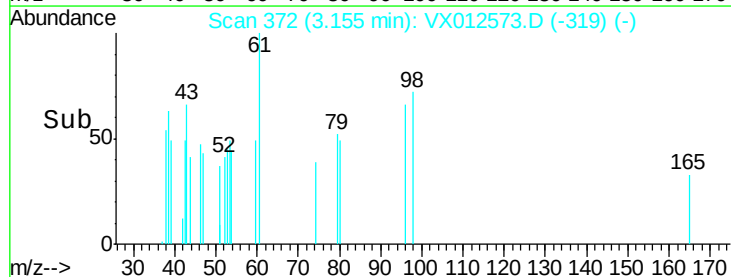
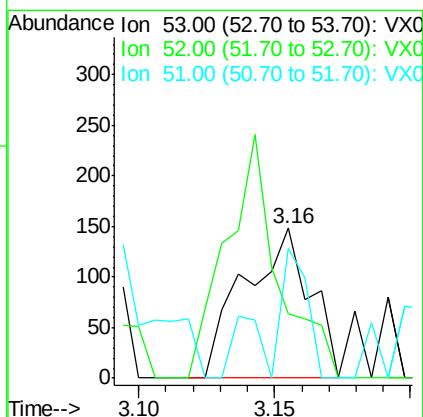
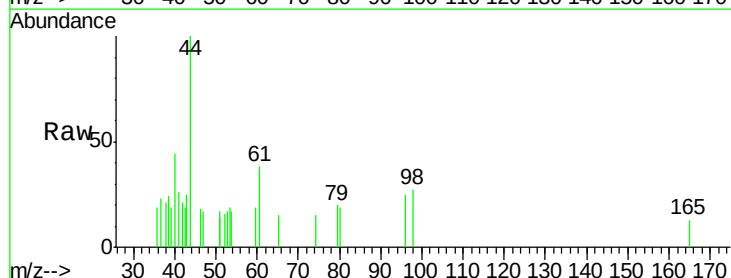
Tgt Ion: 53 Resp: 249

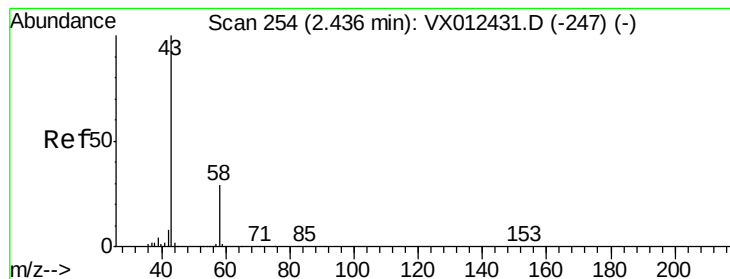
Ion Ratio Lower Upper

53 100

52 128.5 67.0 100.4#

51 51.0 29.6 44.4#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

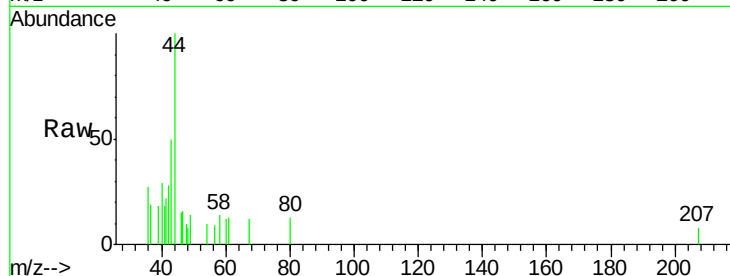
VX0920WBL02

Tot Ion: 43 Resp: 330

Ion Ratio Lower Upper

43 100

58 38.7 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

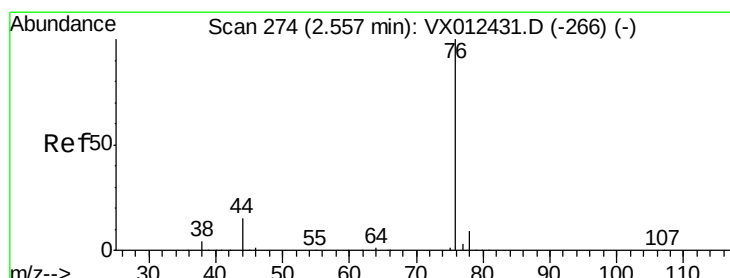
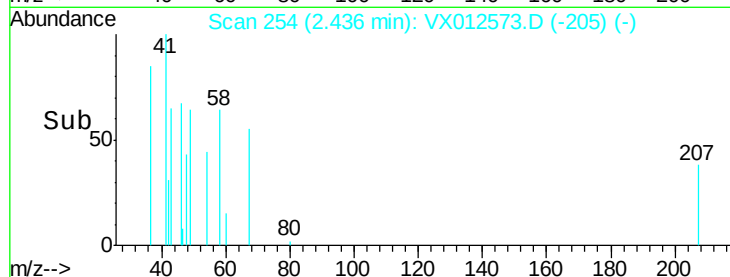
300

200

100

0

Time--> 2.38 2.40 2.42 2.44 2.46



#17

Carbon Disulfide

Concen: 2.066 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012573.D

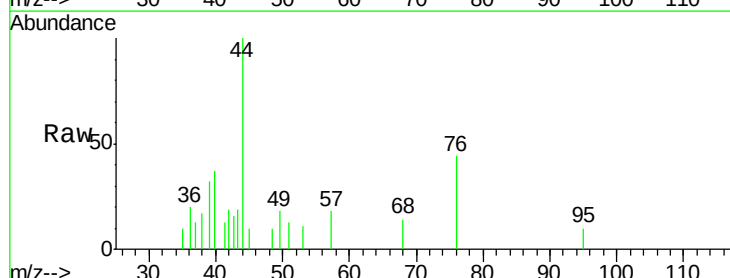
Acq: 20 Sep 2019 22:12

Tgt Ion: 76 Resp: 439

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

300

250

200

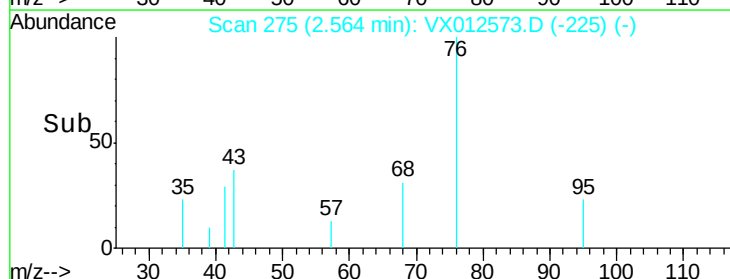
150

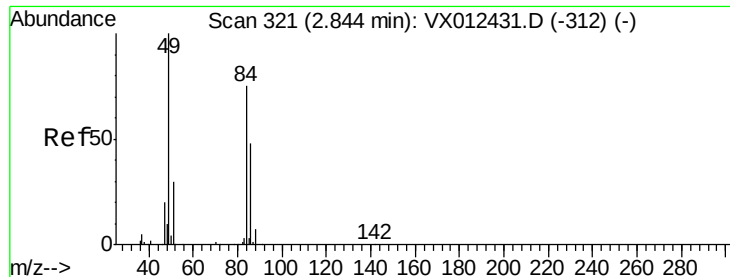
100

50

0

Time--> 2.50 2.55 2.60

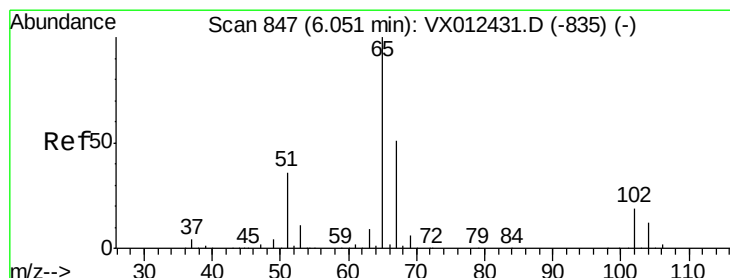
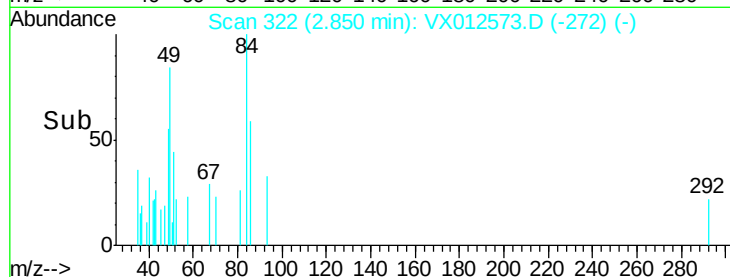
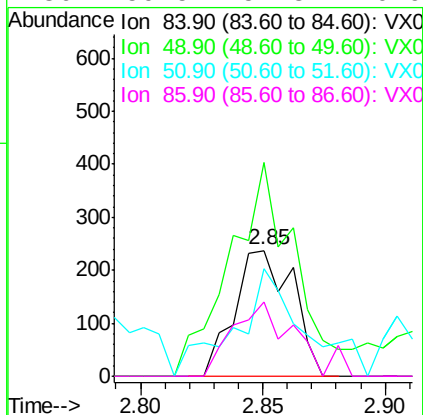
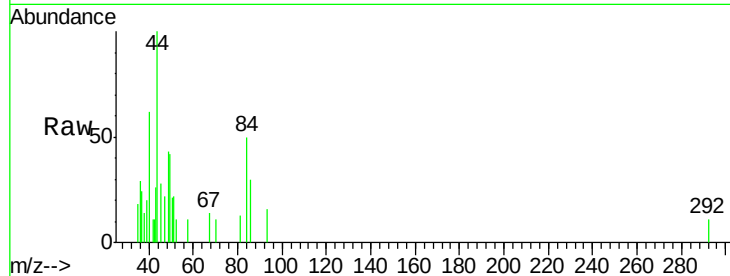




#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012573.D
Acq: 20 Sep 2019 22:12

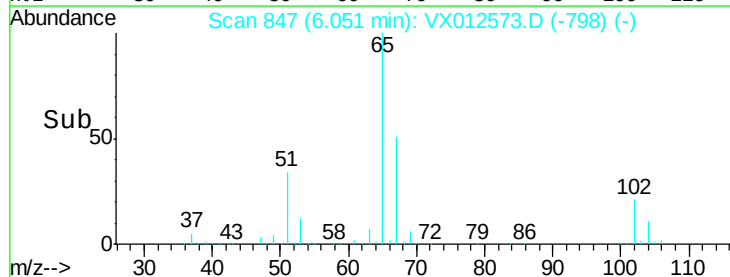
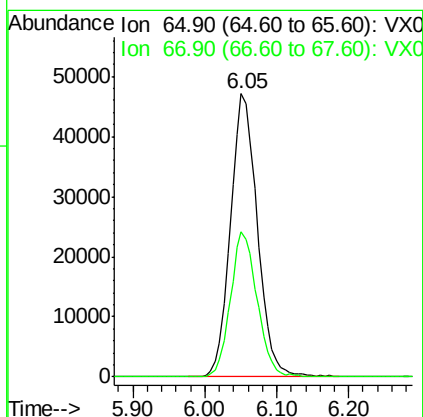
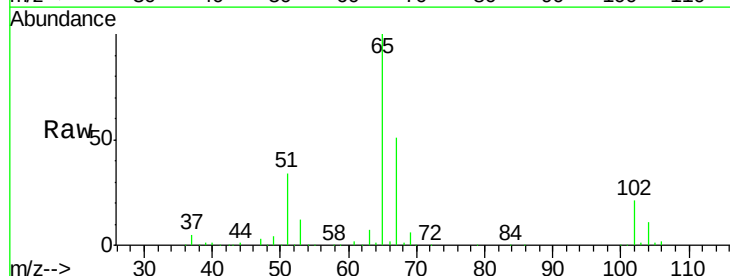
Instrument :
MSVOA_X
ClientSampleId :
VX0920WBL02

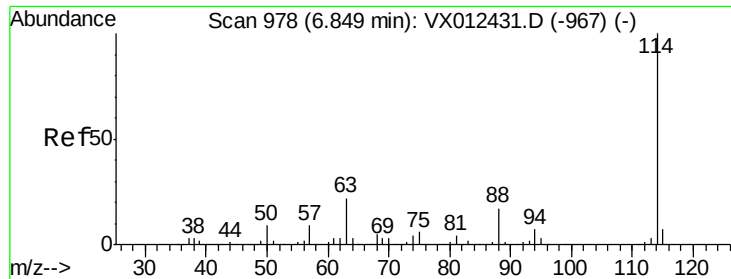
Tot Ion:	84	Resp:	395
Ion	Ratio	Lower	Upper
84	100		
49	148.9	106.8	160.2
51	61.2	32.3	48.5#
86	59.5	51.3	76.9



#33
1,2-Dichloroethane-d4
Concen: 46.676 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012573.D
Acq: 20 Sep 2019 22:12

Tgt Ion:	65	Resp:	122417
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.2

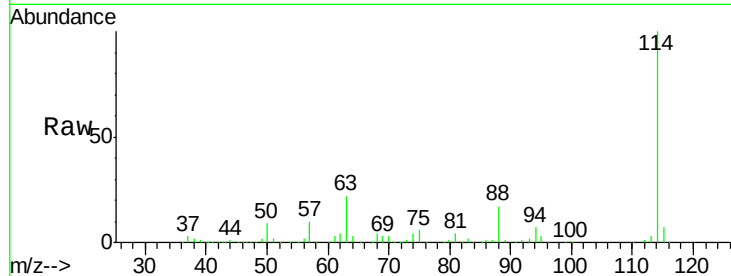




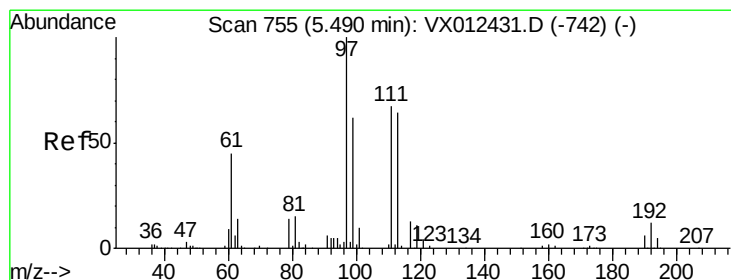
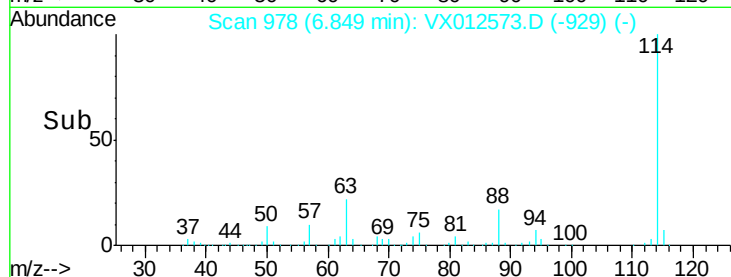
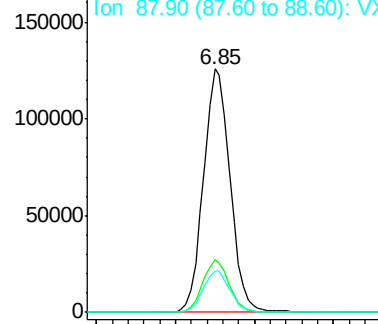
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012573.D
 Acq: 20 Sep 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBL02

Tot Ion:114 Resp: 295098
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 16.9 0.0 33.2

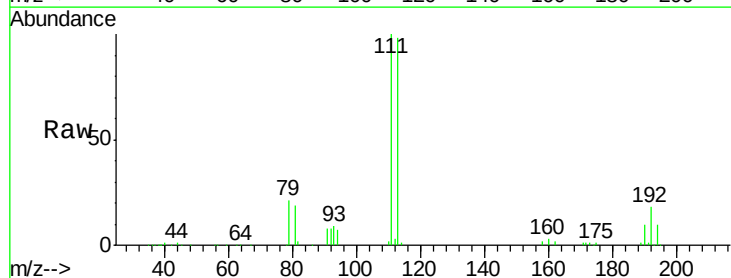


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

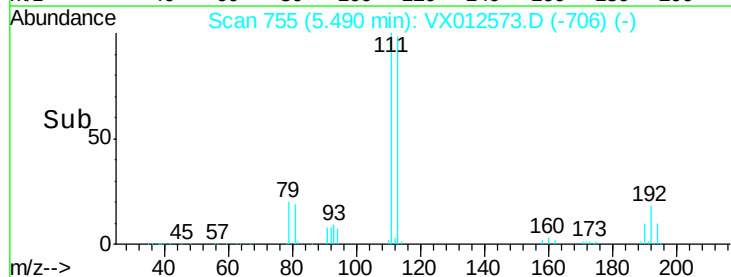
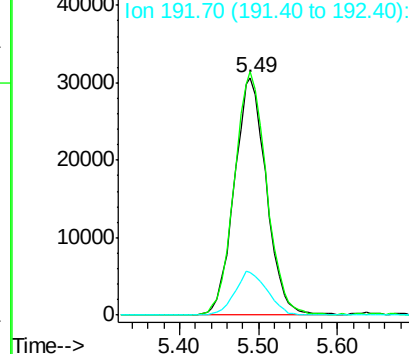


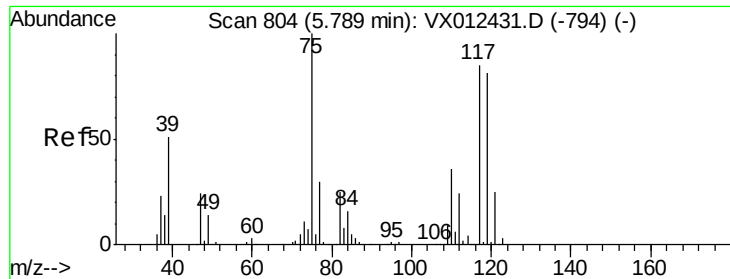
#35
 Dibromofluoromethane
 Concen: 48.429 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012573.D
 Acq: 20 Sep 2019 22:12

Tgt Ion:113 Resp: 86499
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 18.6 14.4 21.6



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

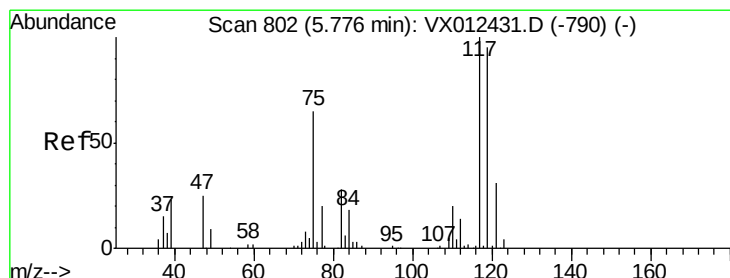
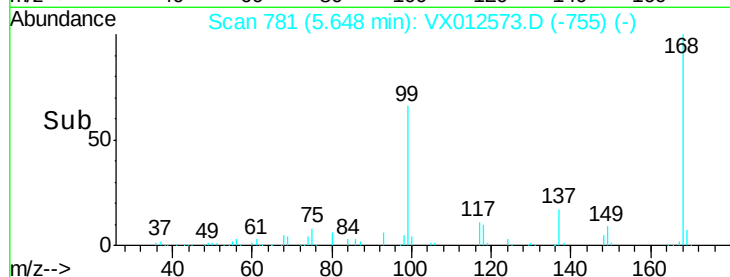
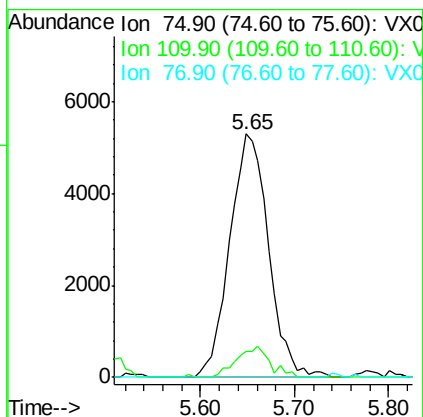
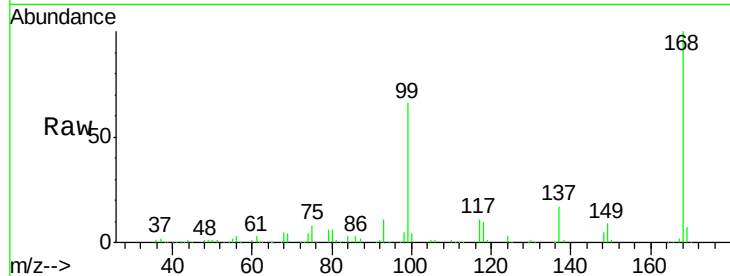




#36
 1,1-Dichloropropene
 Concen: 8.462 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012573.D
 Acq: 20 Sep 2019 22:12

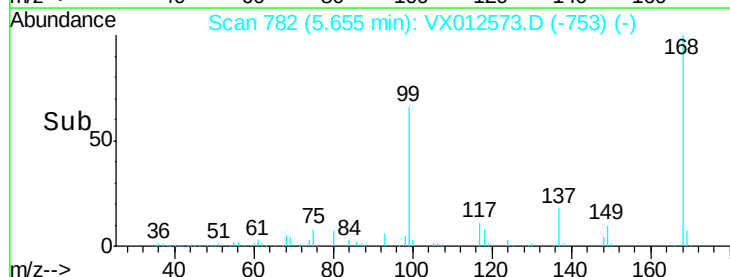
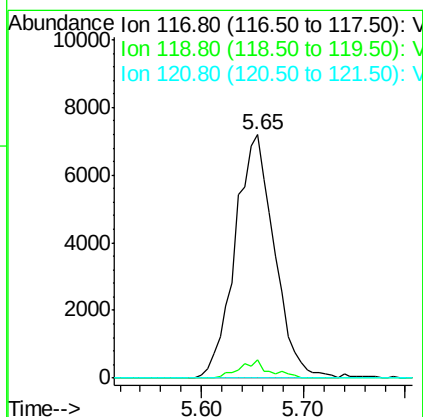
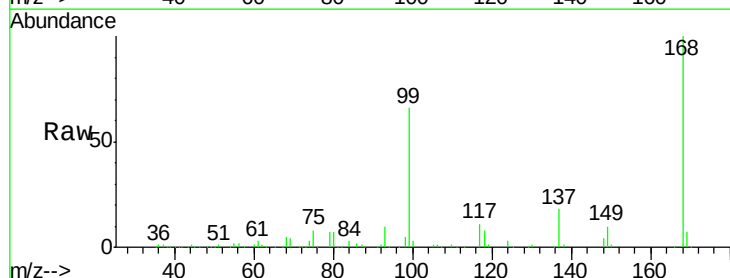
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBL02

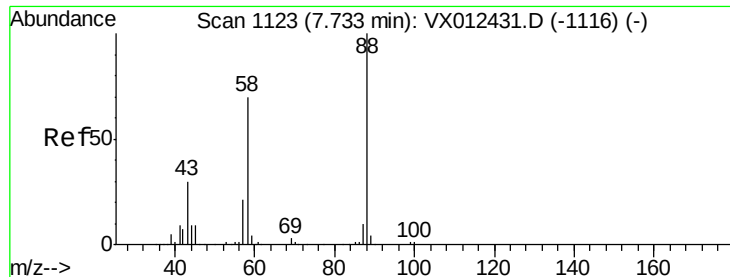
Tot Ion: 75 Resp: 15176
 Ion Ratio Lower Upper
 75 100
 110 11.0 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 8.608 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012573.D
 Acq: 20 Sep 2019 22:12

Tgt Ion: 117 Resp: 19200
 Ion Ratio Lower Upper
 117 100
 119 7.4 75.7 113.5#
 121 0.0 24.2 36.4#

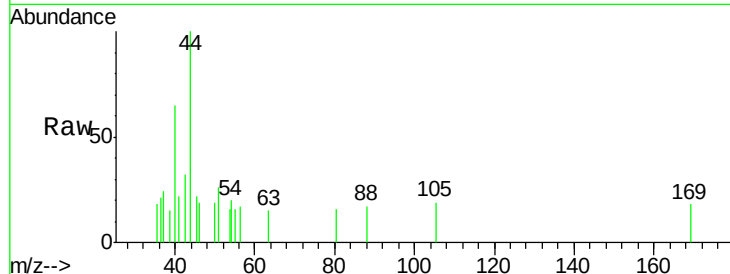




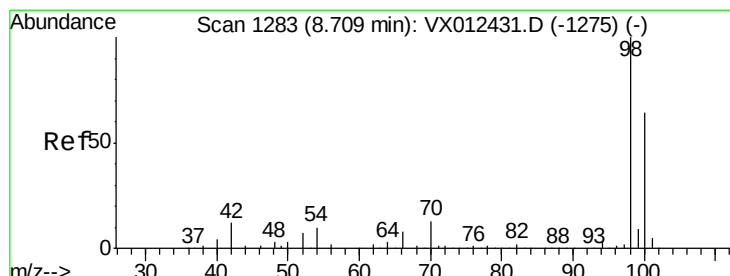
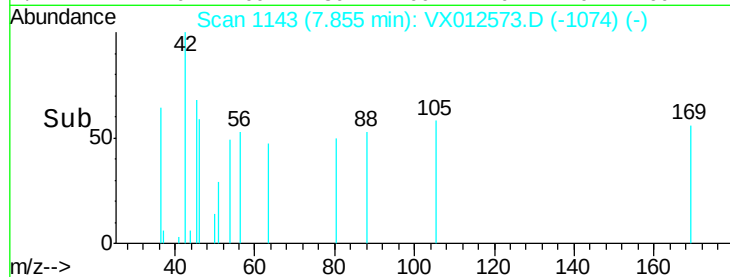
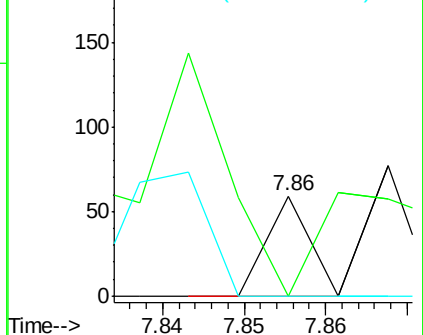
#49
1,4-Dioxane
Concen: 0.388 ug/l
RT: 7.86 min Scan# 1143
Delta R.T. 0.12 min
Lab File: VX012573.D
Acq: 20 Sep 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBL02

Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 286.4 29.4 44.0#
58 0.0 57.5 86.3#

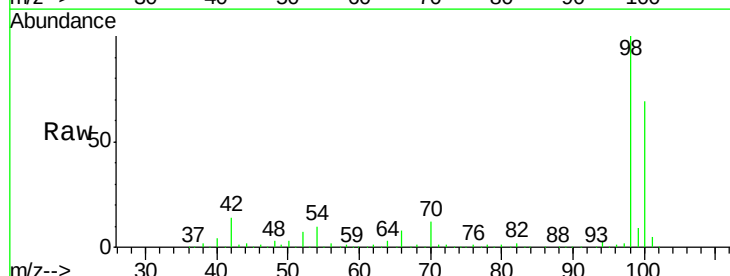


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

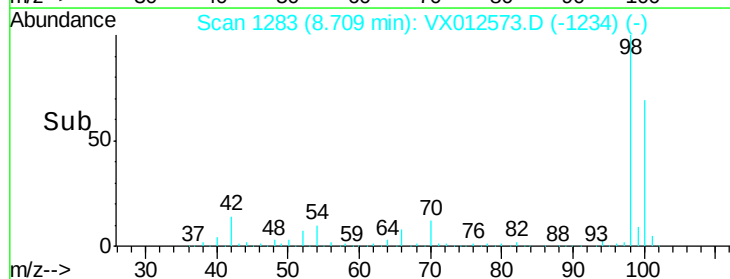
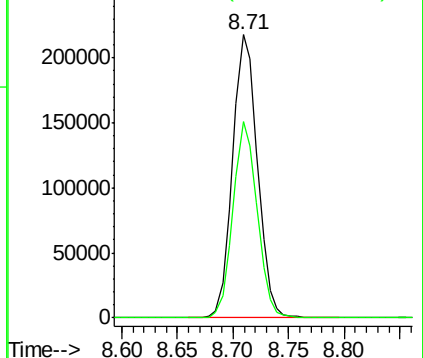


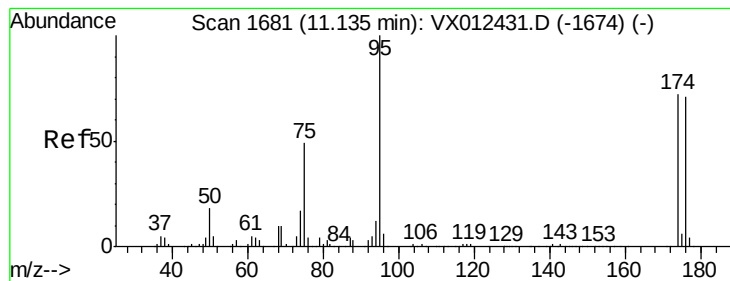
#50
Toluene-d8
Concen: 51.157 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012573.D
Acq: 20 Sep 2019 22:12

Tgt Ion: 98 Resp: 338206
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



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





#62

4-Bromofluorobenzene

Concen: 44.738 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBL02

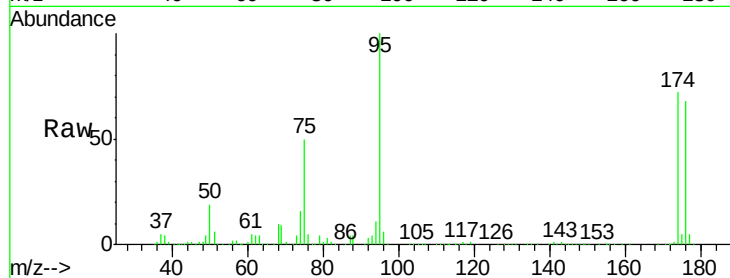
Tot Ion: 95 Resp: 122805

Ion Ratio Lower Upper

95 100

174 70.2 0.0 140.0

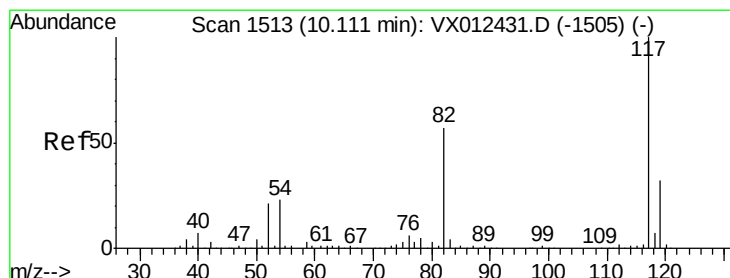
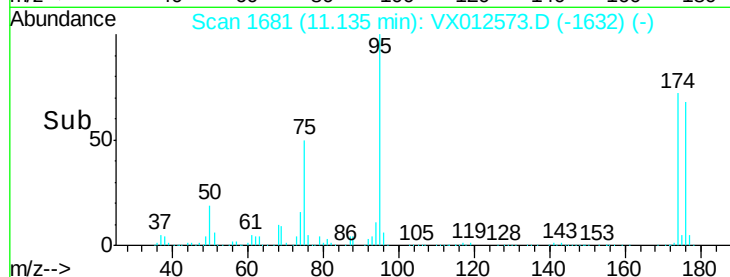
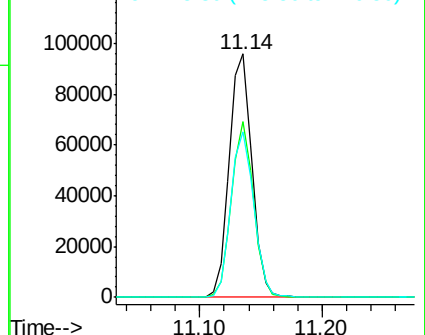
176 68.8 0.0 135.4



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# 1513

Delta R.T. 0.00 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

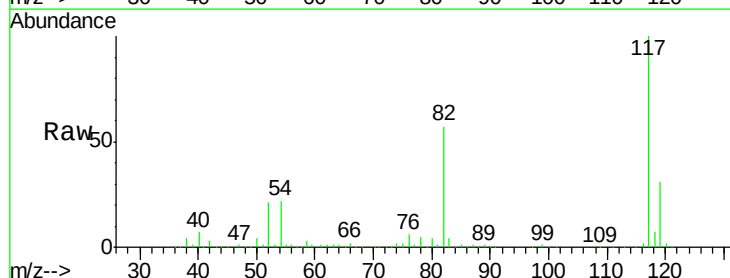
Tgt Ion: 117 Resp: 248738

Ion Ratio Lower Upper

117 100

82 56.7 45.9 68.9

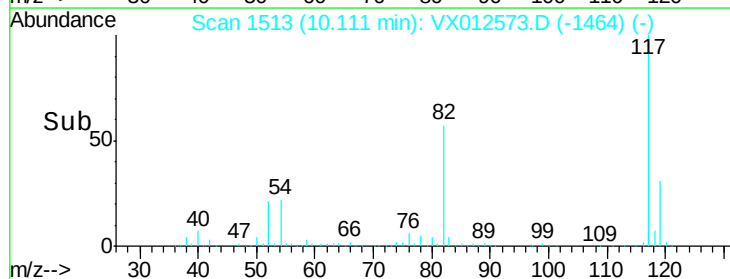
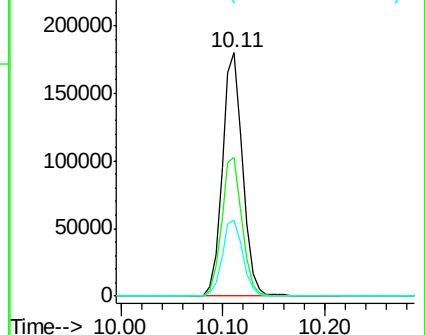
119 31.3 25.3 37.9

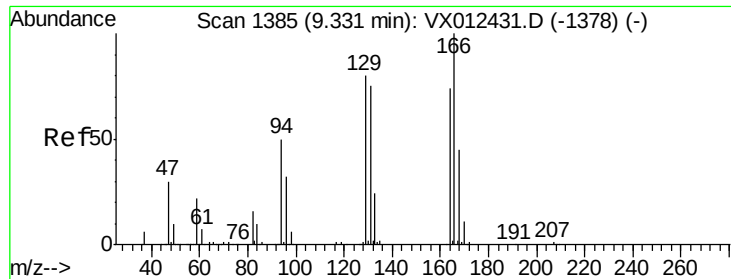


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.304 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampled :

VX0920WBL02

Tot Ion:164 Resp: 347

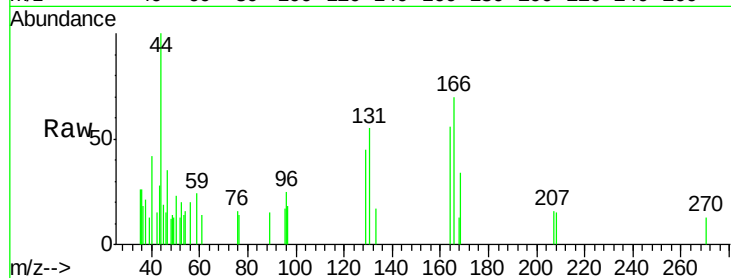
Ion Ratio Lower Upper

164 100

166 124.7 107.8 161.6

129 81.4 86.2 129.2#

131 98.3 80.4 120.6

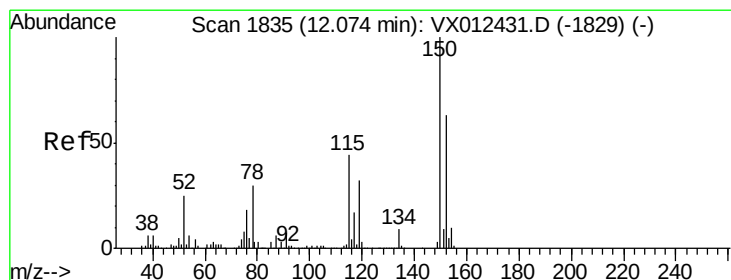
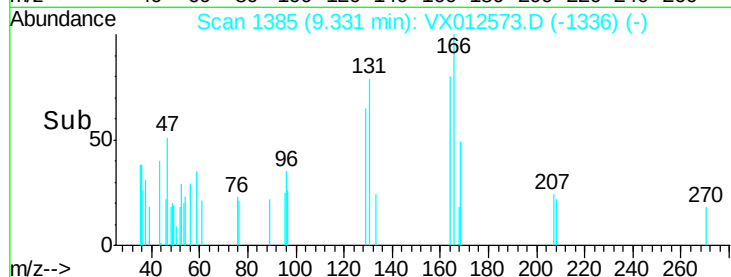
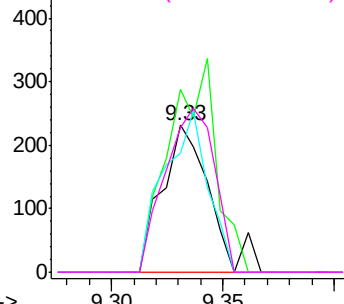


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

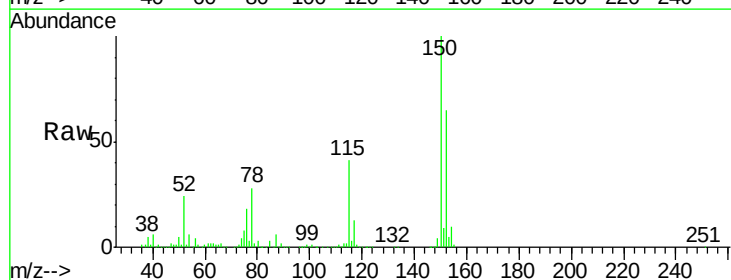
Tgt Ion:152 Resp: 101657

Ion Ratio Lower Upper

152 100

115 61.9 44.1 132.3

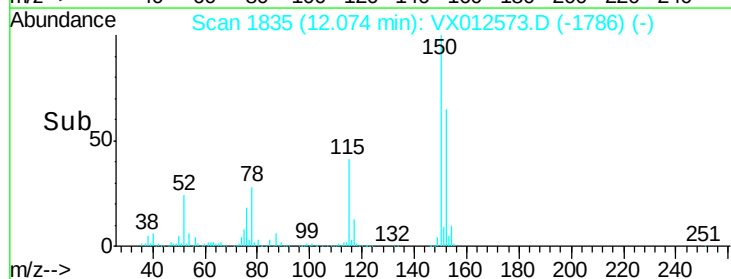
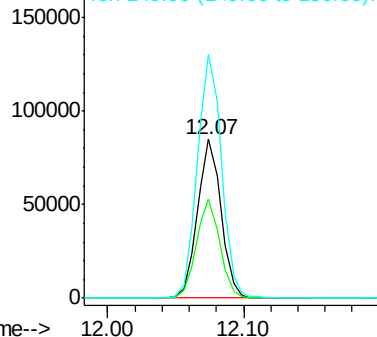
150 157.4 0.0 343.8

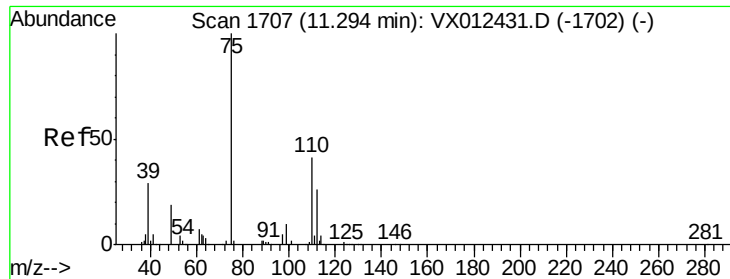


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.877 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

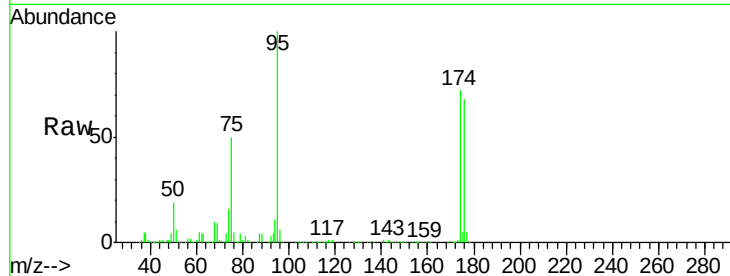
VX0920WBL02

Tot Ion: 75 Resp: 62761

Ion Ratio Lower Upper

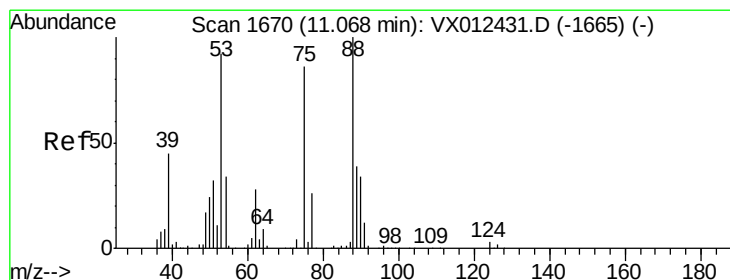
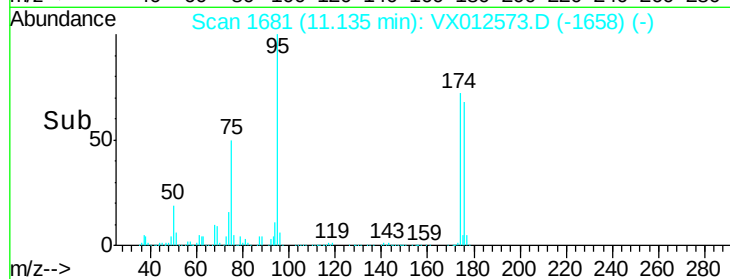
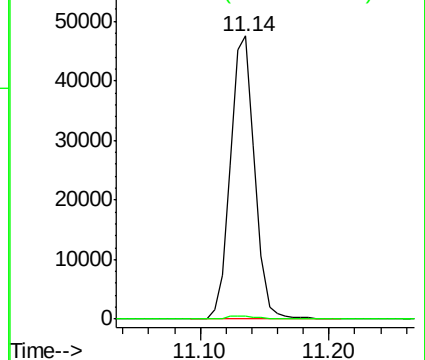
75 100

77 1.4 19.7 59.0#



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: 72.314 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012573.D

Acq: 20 Sep 2019 22:12

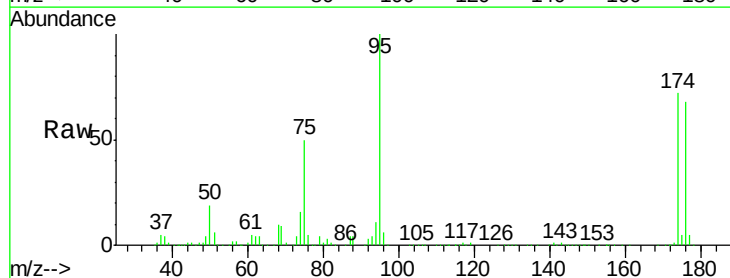
Tgt Ion: 75 Resp: 62761

Ion Ratio Lower Upper

75 100

53 0.2 83.6 125.4#

89 0.1 36.3 54.5#



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

