

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
 Data File : VX011421.D
 Acq On : 11 Aug 2019 11:04
 Operator : JC/SP
 Sample : VX0811WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBL01

Quant Time: Aug 12 07:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	224809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	324310	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	135023	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	115803	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
35) Dibromofluoromethane	5.49	113	99079	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
50) Toluene-d8	8.71	98	376573	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
62) 4-Bromofluorobenzene	11.13	95	127874	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

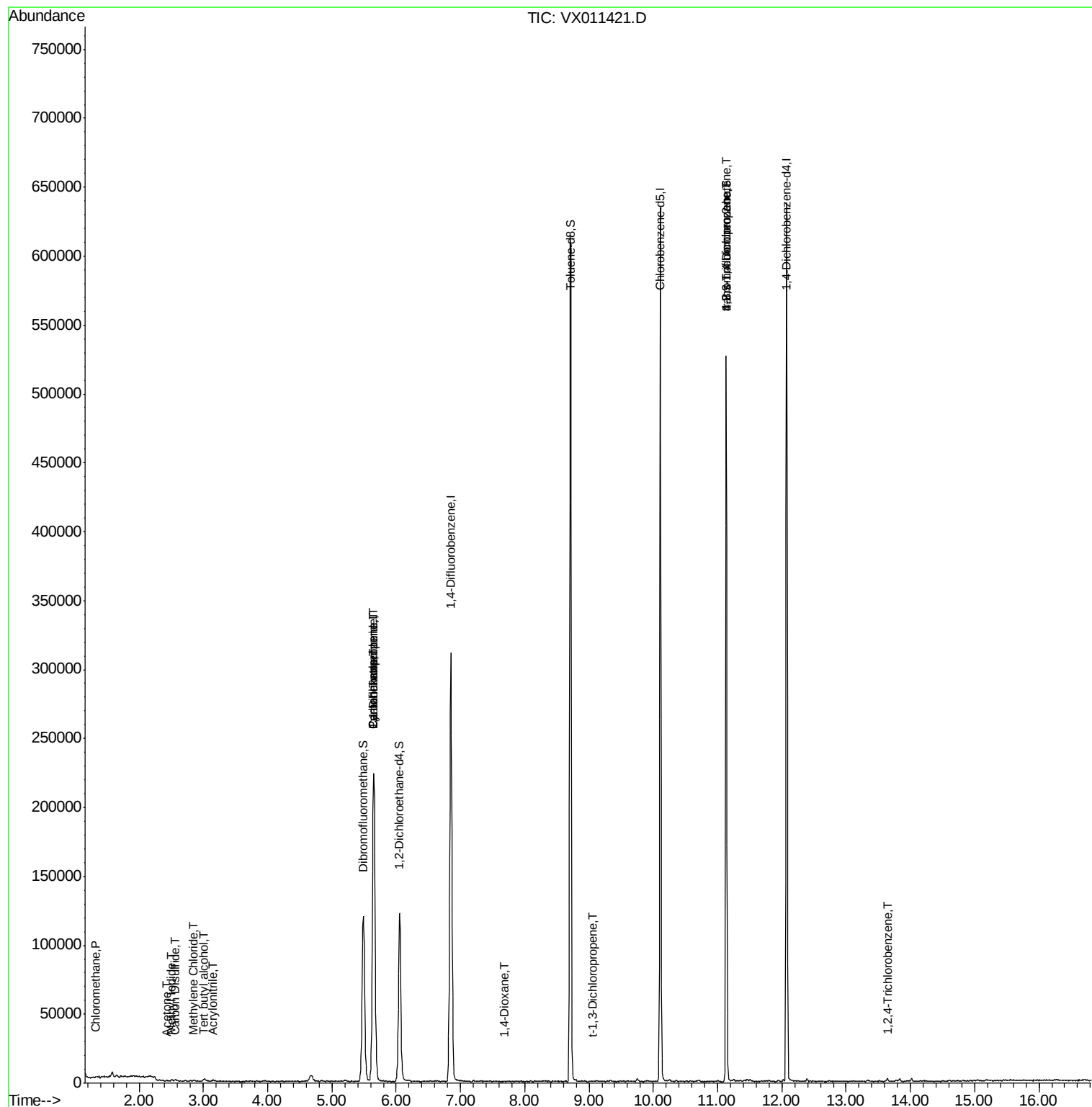
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	469	0.241	ug/l #	79
6) Chloroethane	1.71	64	188	Below Cal	#	17
10) Methyl Iodide	2.51	142	1008	0.387	ug/l #	82
11) Tert butyl alcohol	3.01	59	992	2.220	ug/l #	72
15) Acrylonitrile	3.15	53	474	0.440	ug/l #	80
16) Acetone	2.43	43	303	0.281	ug/l	92
17) Carbon Disulfide	2.57	76	1329	0.277	ug/l	95
20) Methylene Chloride	2.85	84	506	0.214	ug/l #	79
31) Cyclohexane	5.65	56	4417	1.515	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15109	5.336	ug/l #	49
38) Carbon Tetrachloride	5.65	117	21099	7.406	ug/l #	14
49) 1,4-Dioxane	7.68	88	26	0.420	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	148	2.883	ug/l #	12
76) 1,2,3-Trichloropropane	11.13	75	64330	26.162	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	64330	68.061	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.64	180	650	0.216	ug/l	90

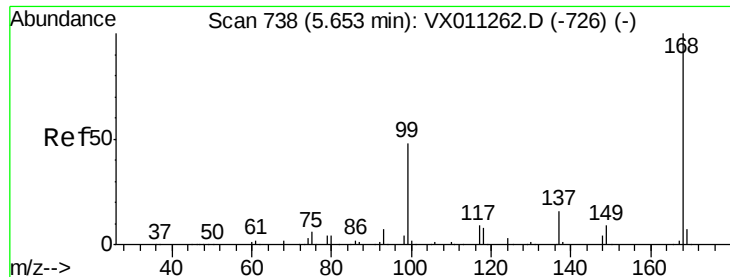
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
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QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

Instrument :

MSVOA_X

ClientSampleId :

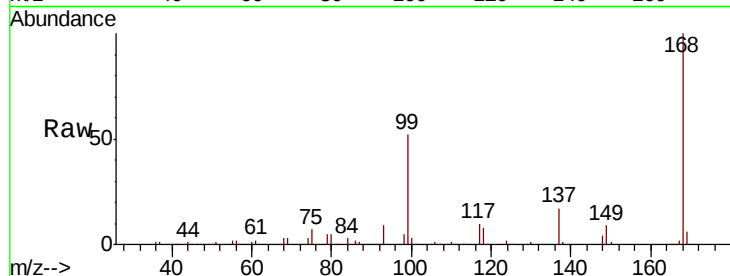
VX0811WBL01

Tgt Ion:168 Resp: 224809

Ion Ratio Lower Upper

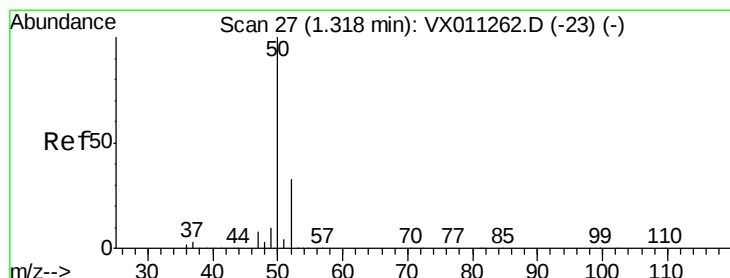
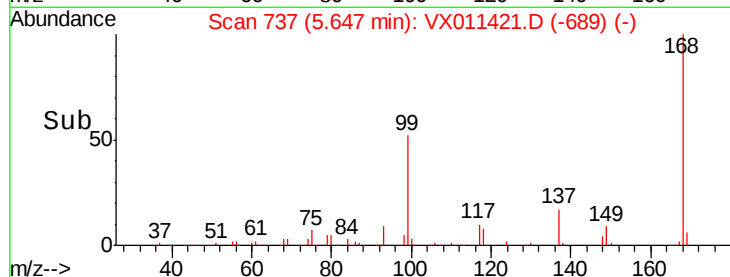
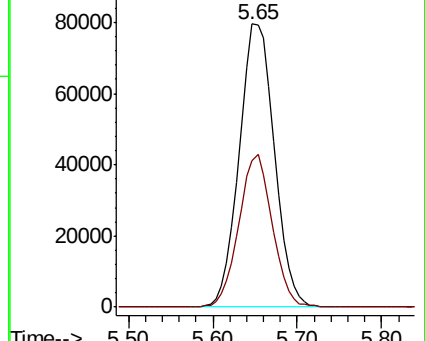
168 100

99 51.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.241 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011421.D

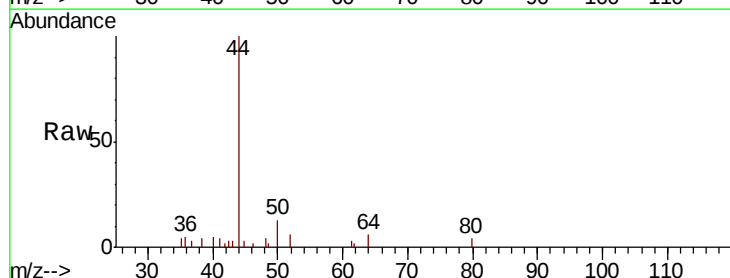
Acq: 11 Aug 2019 11:04

Tgt Ion: 50 Resp: 469

Ion Ratio Lower Upper

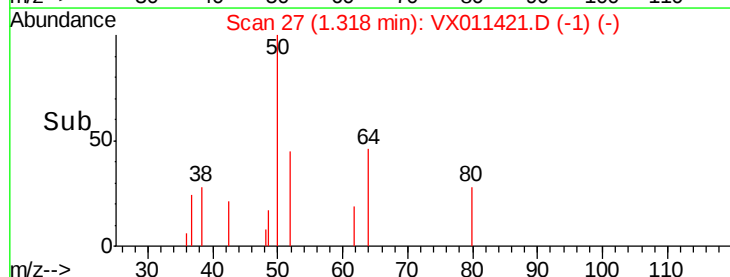
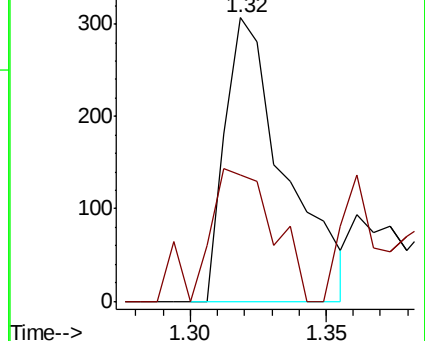
50 100

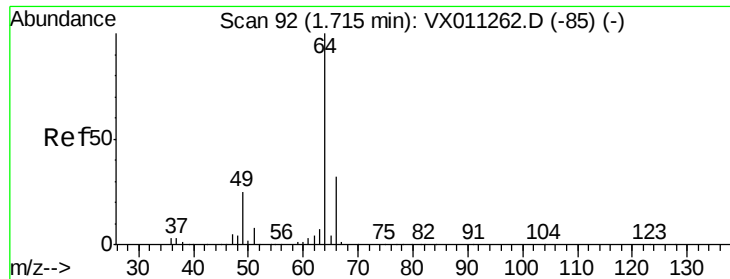
52 44.6 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

Instrument :

MSVOA_X

ClientSampleId :

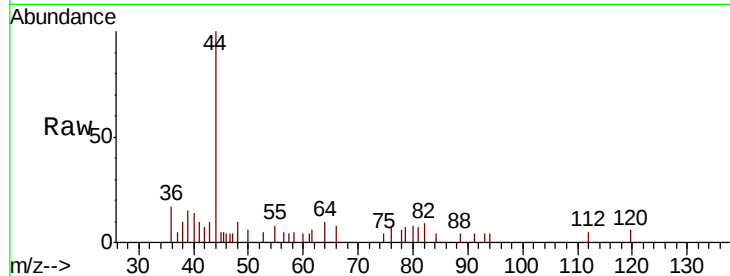
VX0811WBL01

Tgt Ion: 64 Resp: 188

Ion Ratio Lower Upper

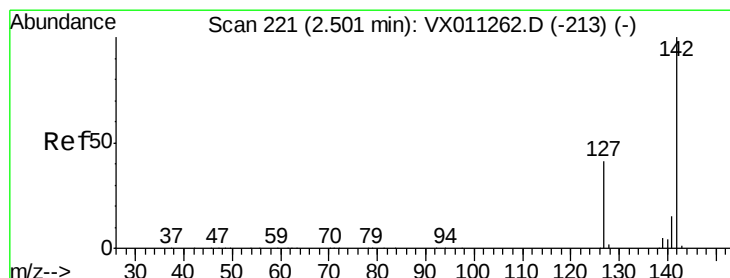
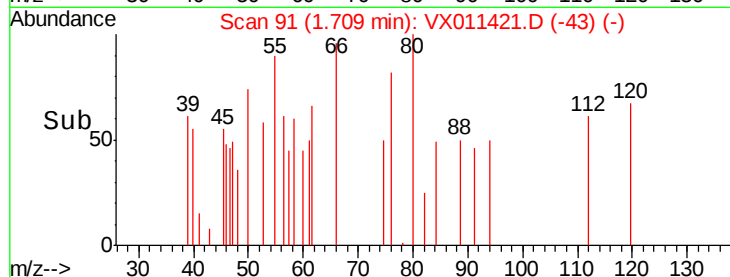
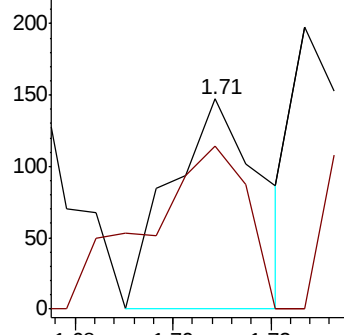
64 100

66 77.6 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.387 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.01 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

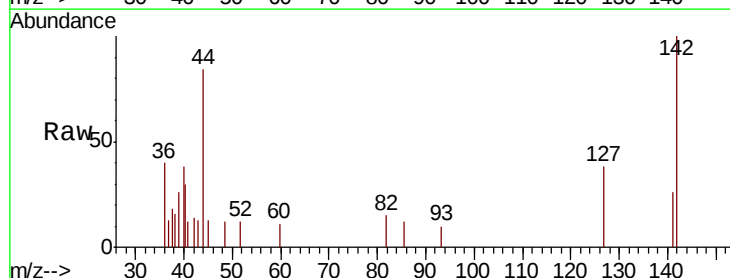
Tgt Ion: 142 Resp: 1008

Ion Ratio Lower Upper

142 100

127 56.3 33.8 50.8#

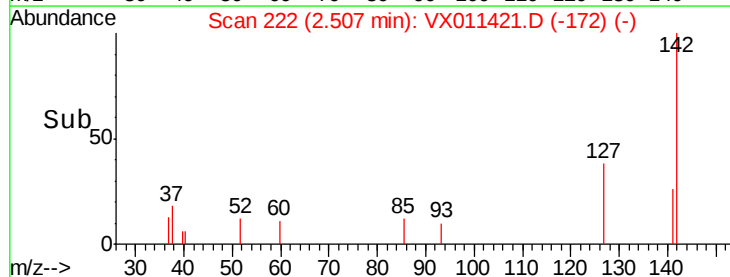
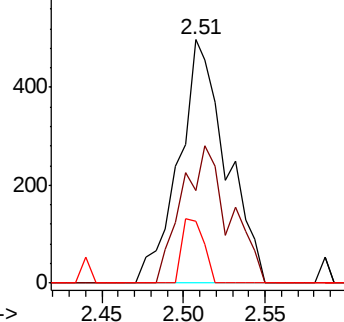
141 12.2 11.4 17.2

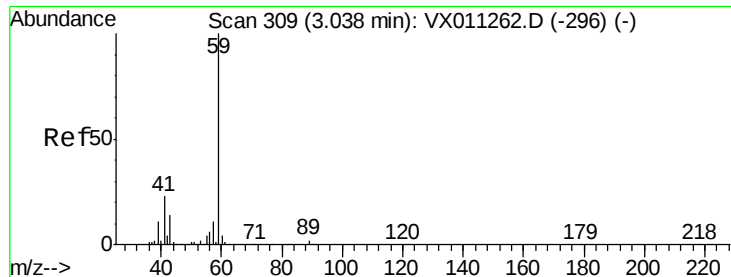


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

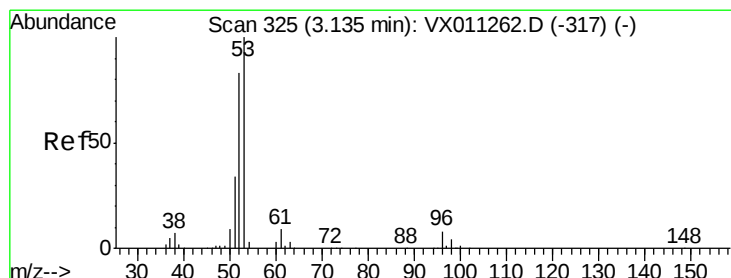
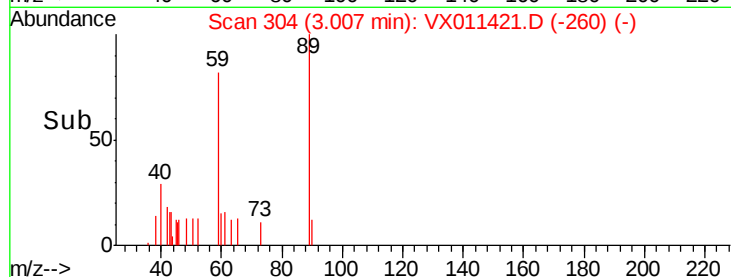
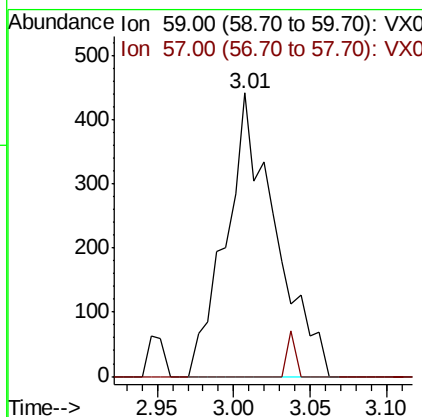
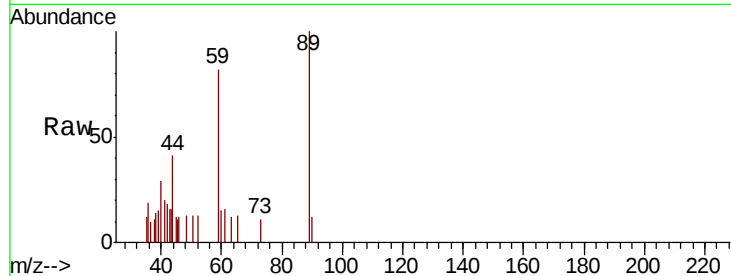




#11
Tert butyl alcohol
Concen: 2.220 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011421.D
Acq: 11 Aug 2019 11:04

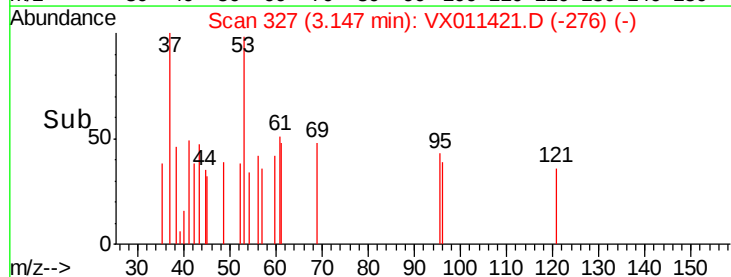
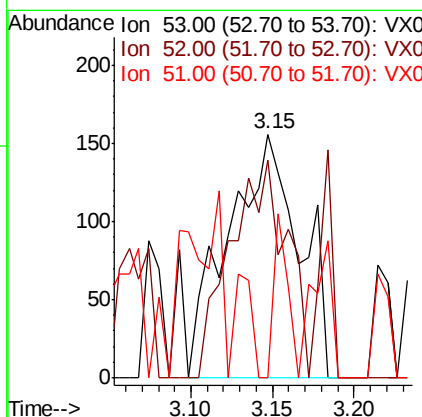
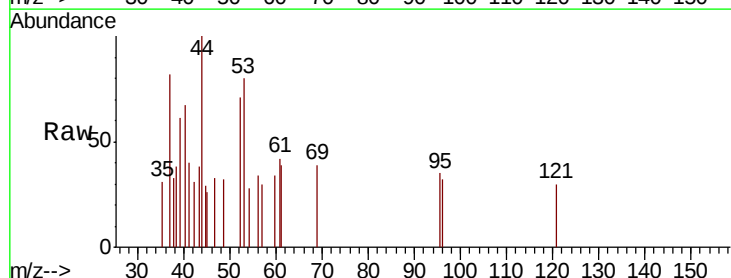
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBL01

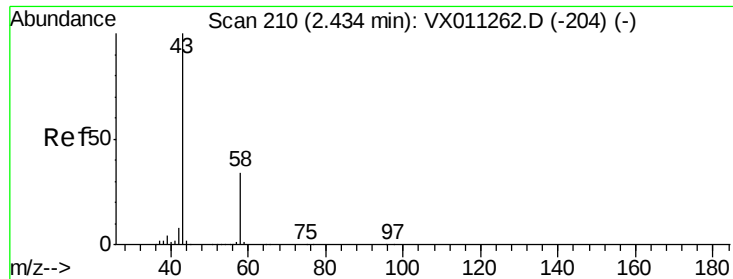
Tgt Ion: 59 Resp: 992
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#15
Acrylonitrile
Concen: 0.440 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX011421.D
Acq: 11 Aug 2019 11:04

Tgt Ion: 53 Resp: 474
Ion Ratio Lower Upper
53 100
52 70.5 65.5 98.3
51 12.7 27.9 41.9#





#16

Acetone

Concen: 0.281 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

Instrument :

MSVOA_X

ClientSampleId :

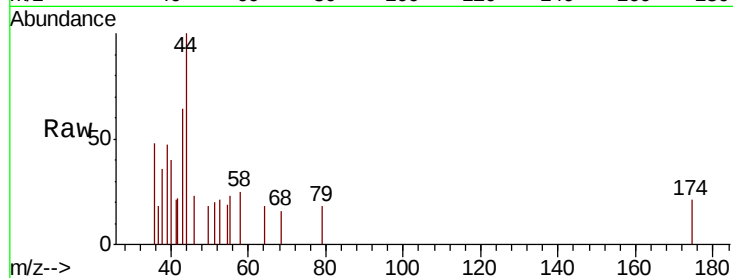
VX0811WBL01

Tgt Ion: 43 Resp: 303

Ion Ratio Lower Upper

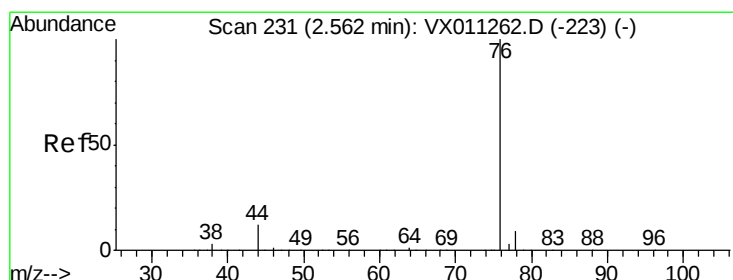
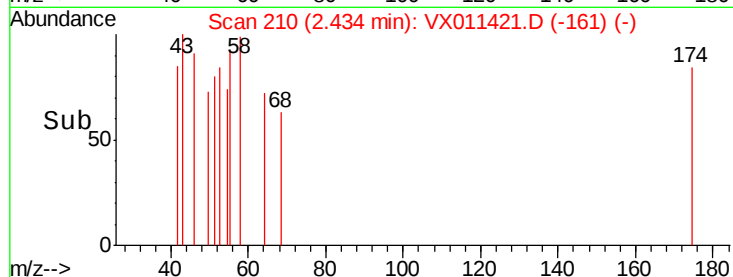
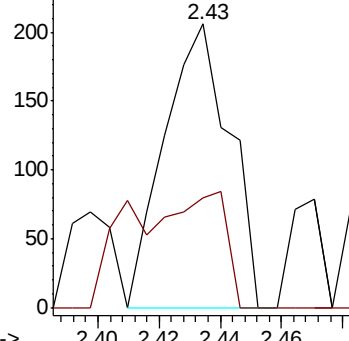
43 100

58 38.8 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.277 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX011421.D

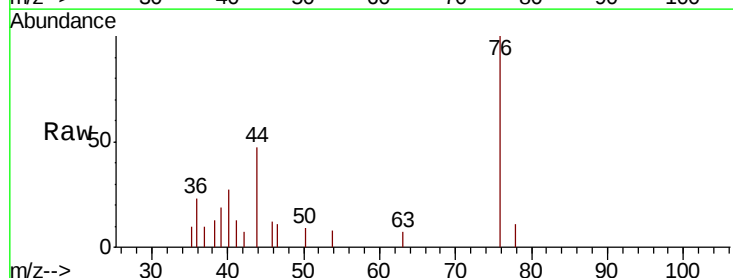
Acq: 11 Aug 2019 11:04

Tgt Ion: 76 Resp: 1329

Ion Ratio Lower Upper

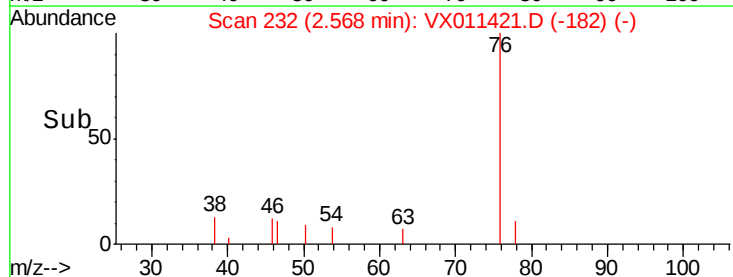
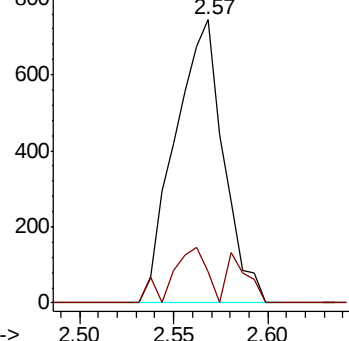
76 100

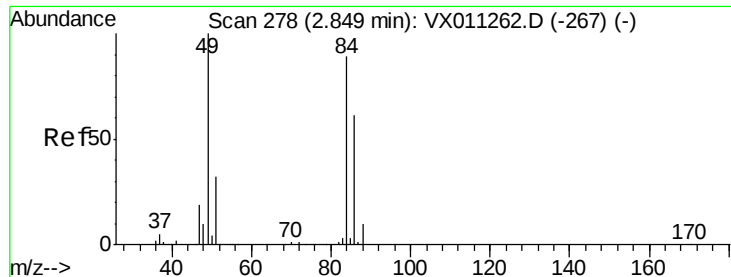
78 10.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

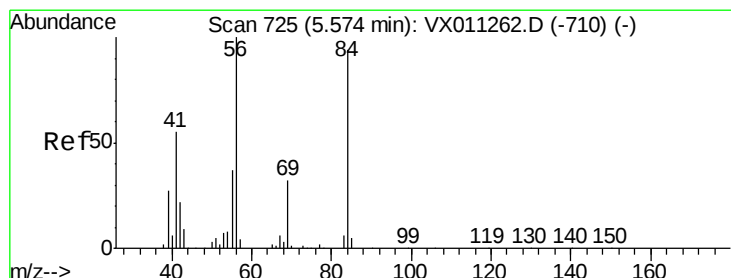
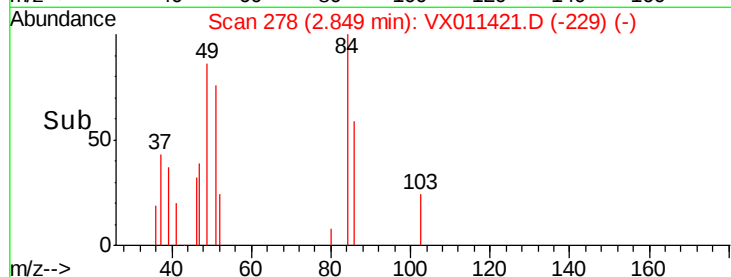
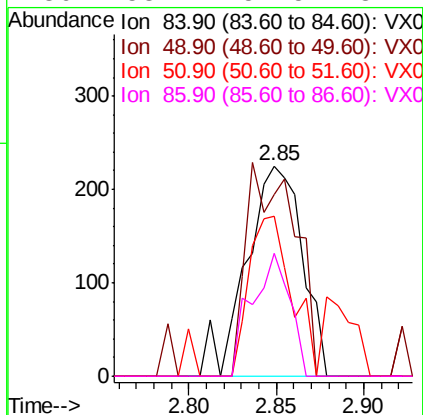
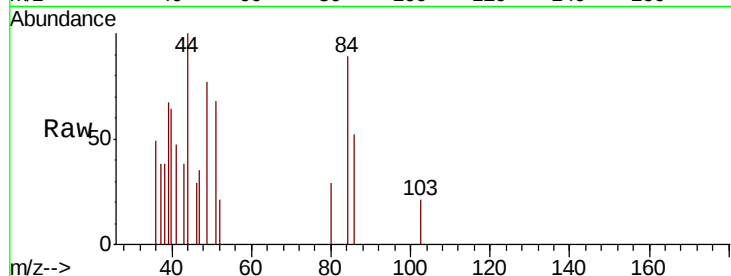




#20
Methylene Chloride
Concen: 0.214 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011421.D
Acq: 11 Aug 2019 11:04

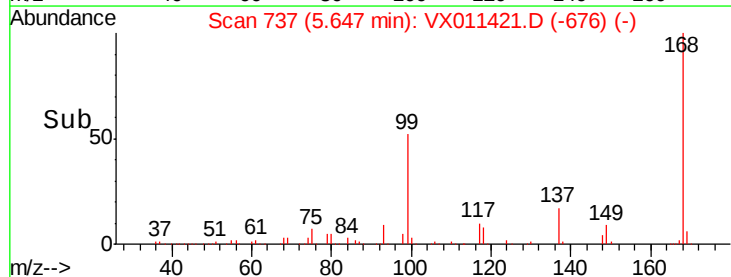
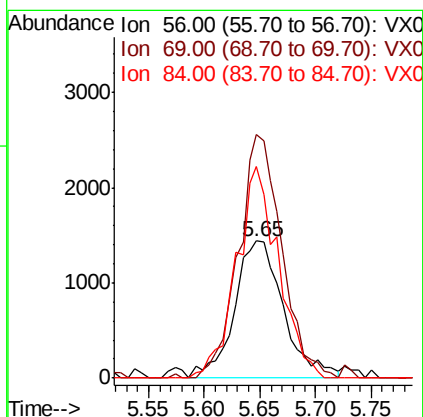
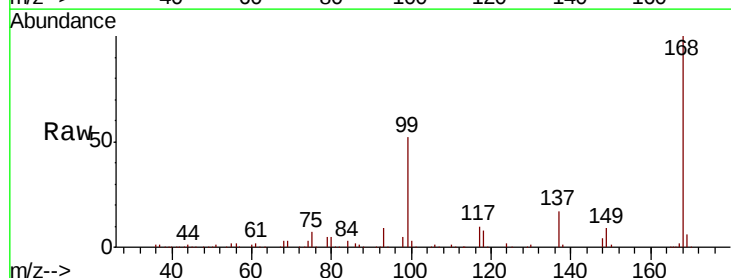
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBL01

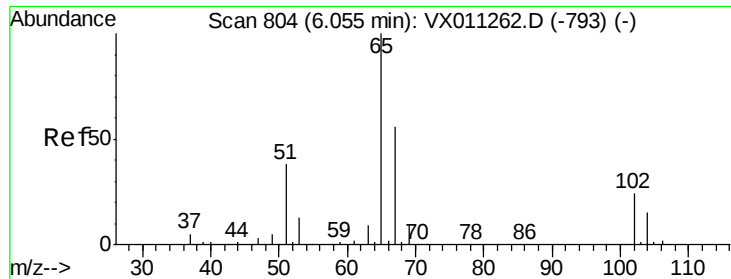
Tgt Ion:	84	Resp:	506
Ion	Ratio	Lower	Upper
84	100		
49	86.2	89.3	133.9#
51	53.3	28.3	42.5#
86	58.7	54.5	81.7



#31
Cyclohexane
Concen: 1.515 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX011421.D
Acq: 11 Aug 2019 11:04

Tgt Ion:	56	Resp:	4417
Ion	Ratio	Lower	Upper
56	100		
69	177.4	25.5	38.3#
84	154.1	75.0	112.4#

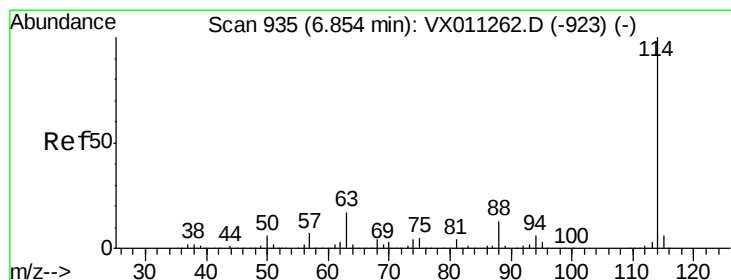
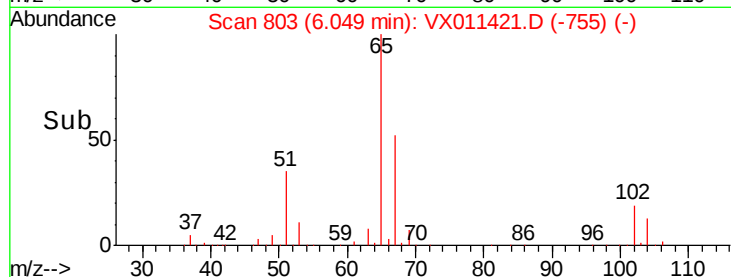
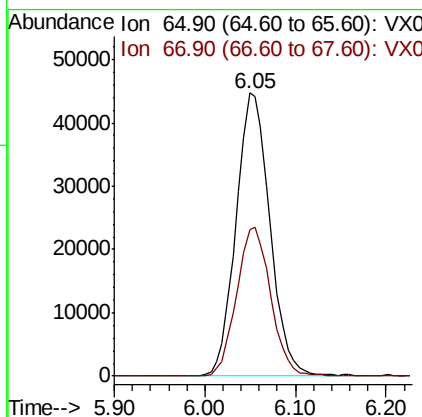
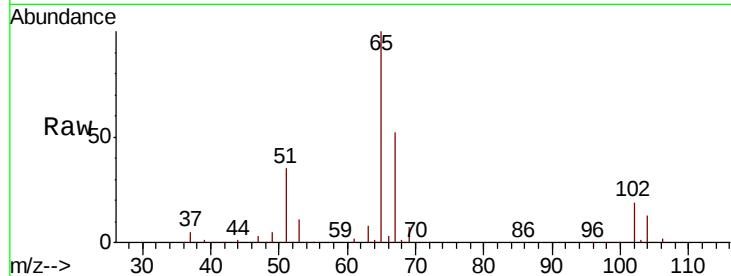




#33
 1,2-Dichloroethane-d4
 Concen: 51.151 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011421.D
 Acq: 11 Aug 2019 11:04

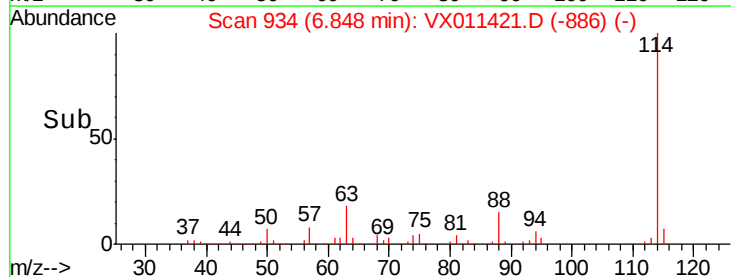
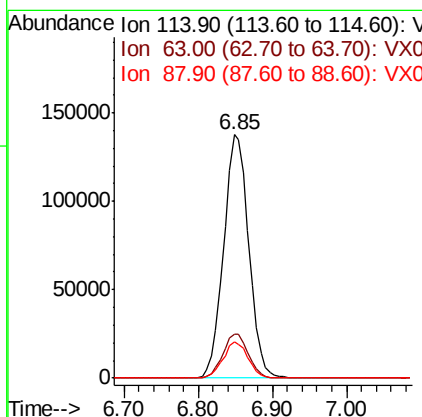
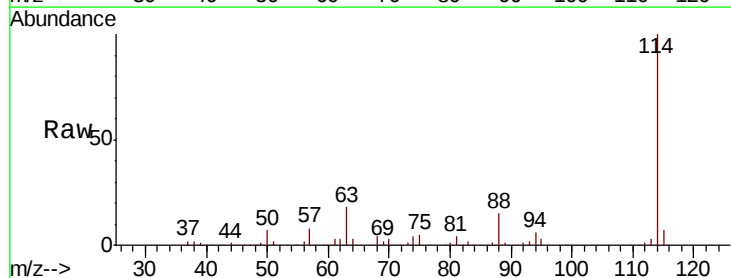
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBL01

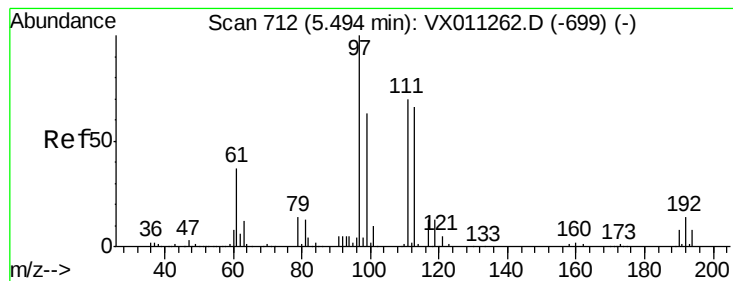
Tgt Ion: 65 Resp: 115803
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011421.D
 Acq: 11 Aug 2019 11:04

Tgt Ion: 114 Resp: 324310
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.0
 88 14.8 0.0 26.4





#35

Dibromofluoromethane

Concen: 46.794 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBL01

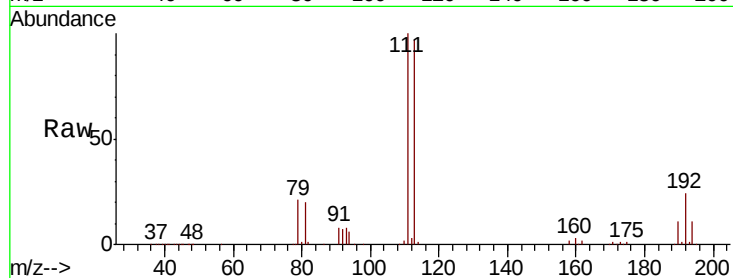
Tgt Ion:113 Resp: 99079

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

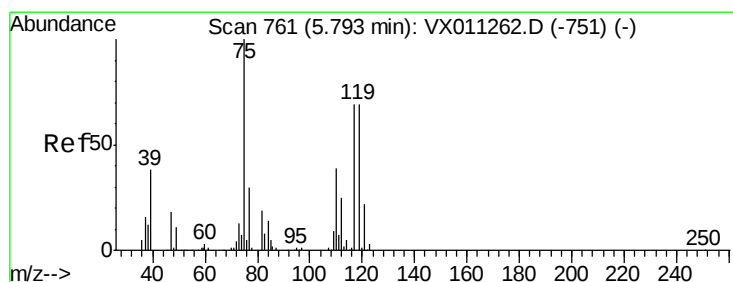
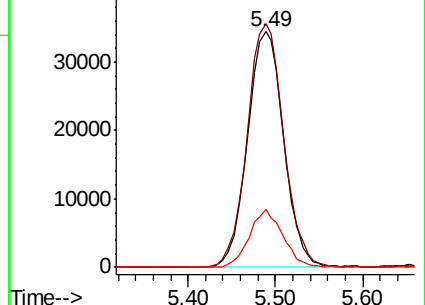
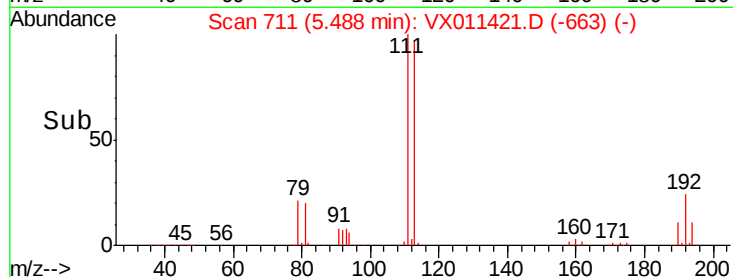
192 22.8 17.8 26.8



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: 5.336 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

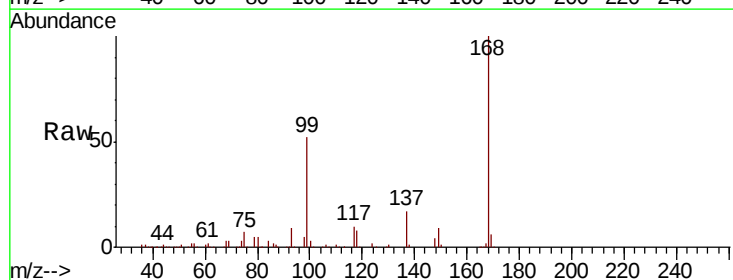
Tgt Ion: 75 Resp: 15109

Ion Ratio Lower Upper

75 100

110 11.3 20.0 59.9#

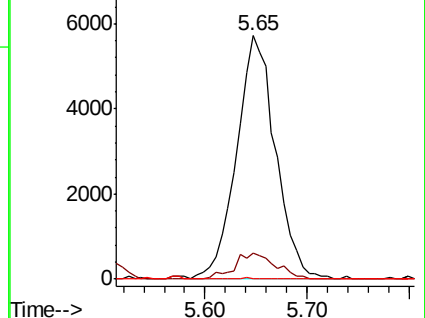
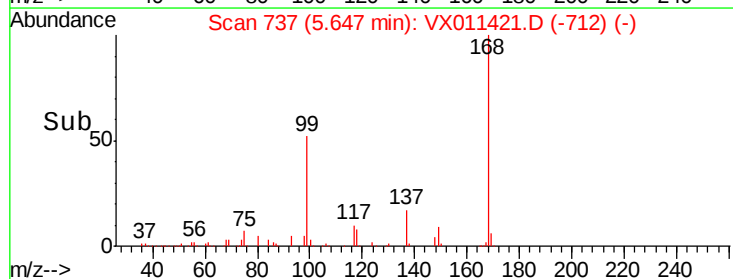
77 0.1 24.8 37.2#

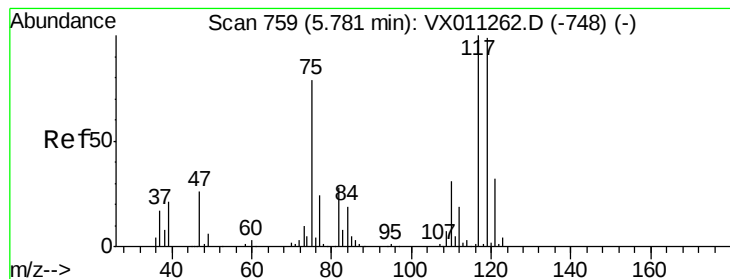


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.406 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.13 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

Instrument :

MSVOA_X

ClientSampled :

VX0811WBL01

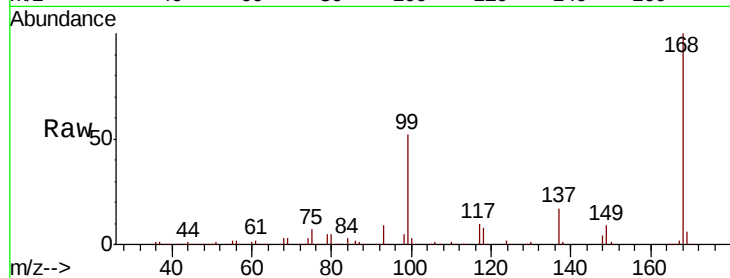
Tgt Ion: 117 Resp: 21099

Ion Ratio Lower Upper

117 100

119 4.6 79.0 118.4#

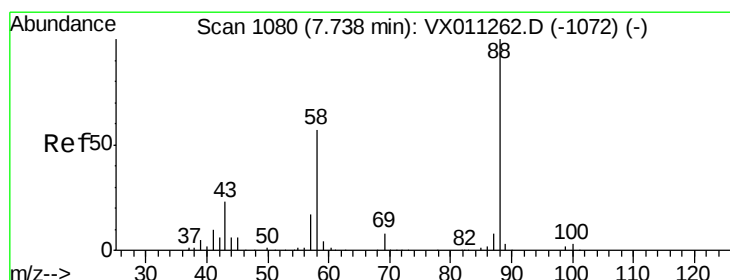
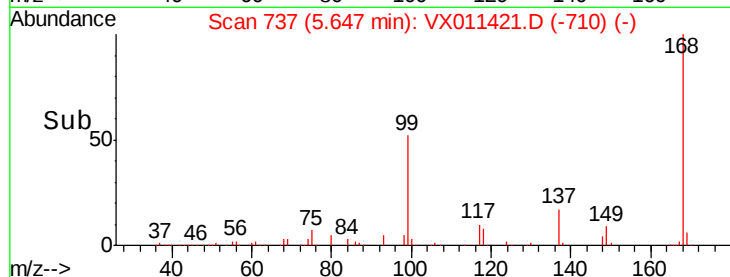
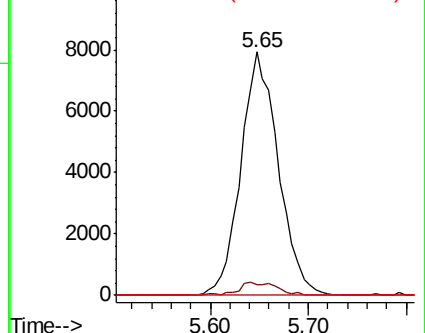
121 0.0 25.9 38.9#



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: 0.420 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.05 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

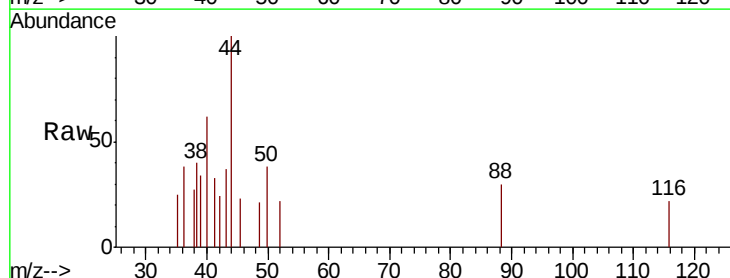
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 334.6 22.2 33.2#

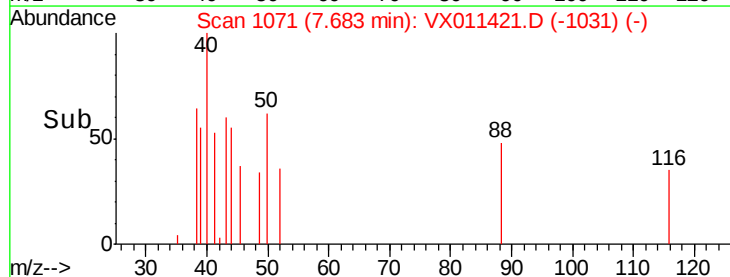
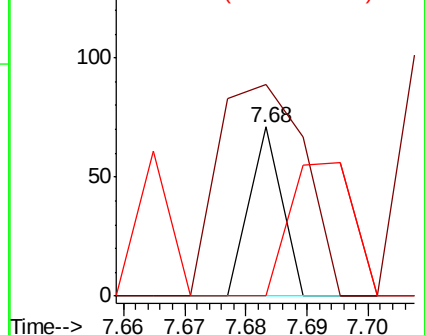
58 157.7 47.8 71.8#

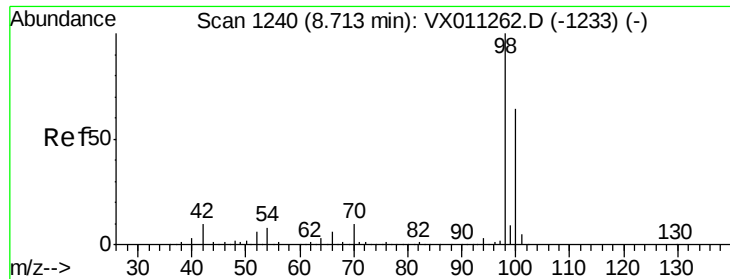


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.117 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

Instrument :

MSVOA_X

ClientSampled :

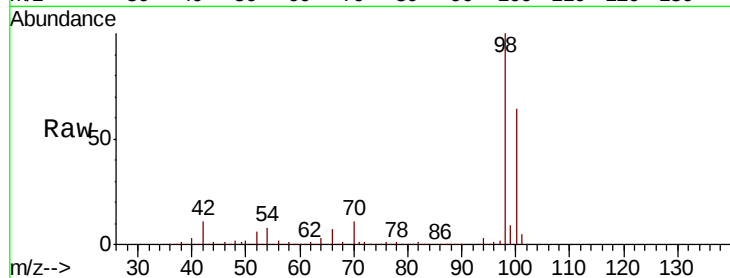
VX0811WBL01

Tgt Ion: 98 Resp: 376573

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

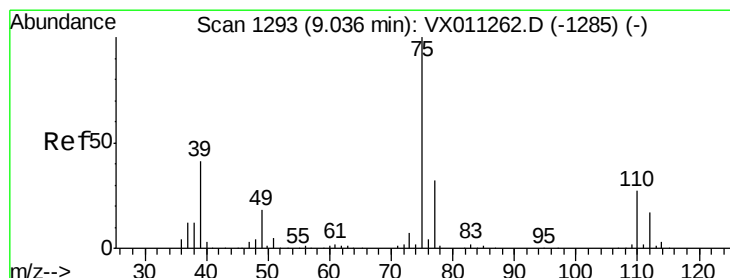
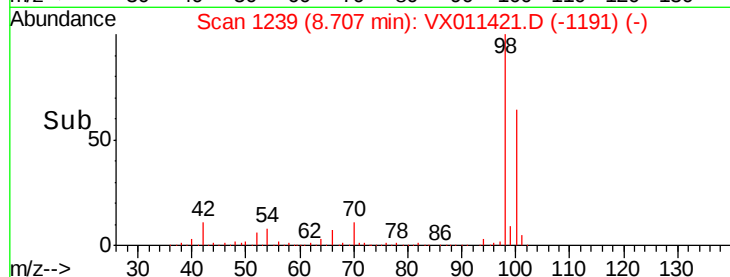
150000

100000

50000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.883 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.02 min

Lab File: VX011421.D

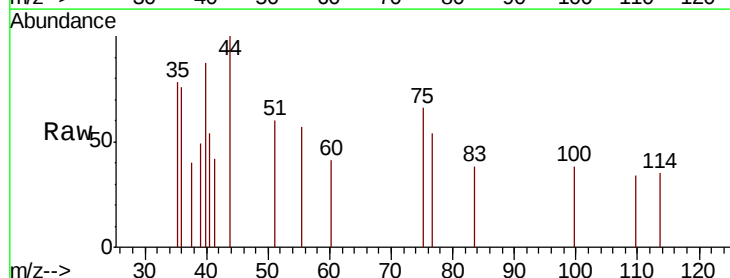
Acq: 11 Aug 2019 11:04

Tgt Ion: 75 Resp: 148

Ion Ratio Lower Upper

75 100

77 80.8 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.05

100

80

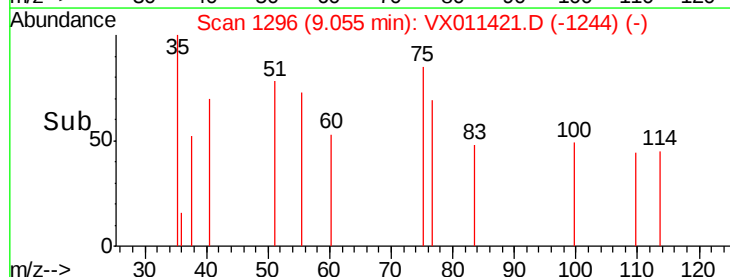
60

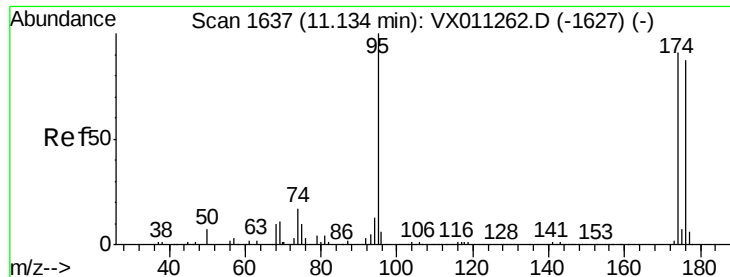
40

20

0

Time-->





#62

4-Bromofluorobenzene

Concen: 44.813 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBL01

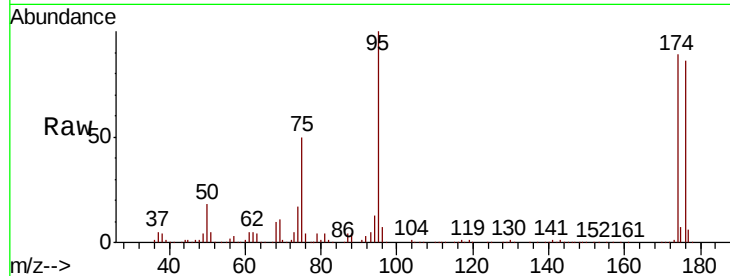
Tgt Ion: 95 Resp: 127874

Ion Ratio Lower Upper

95 100

174 90.0 0.0 191.2

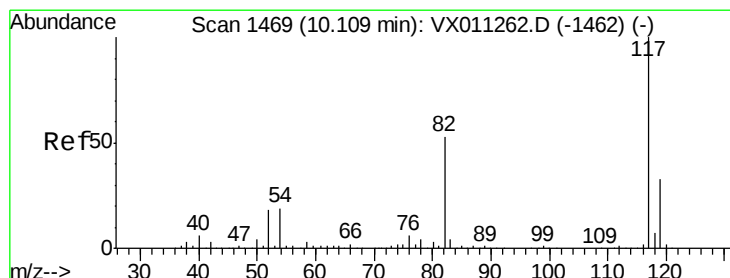
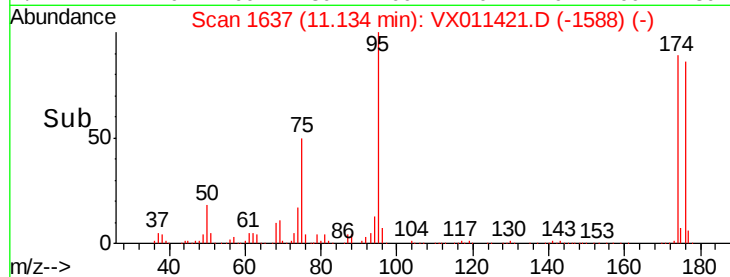
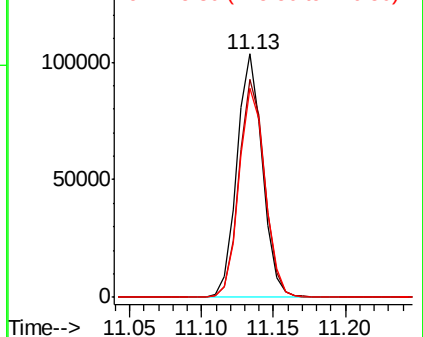
176 87.8 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

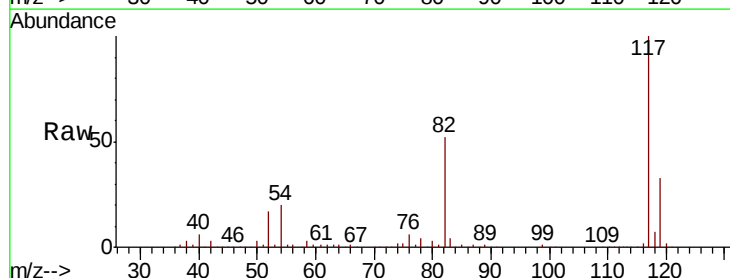
Tgt Ion: 117 Resp: 288183

Ion Ratio Lower Upper

117 100

82 51.6 42.2 63.2

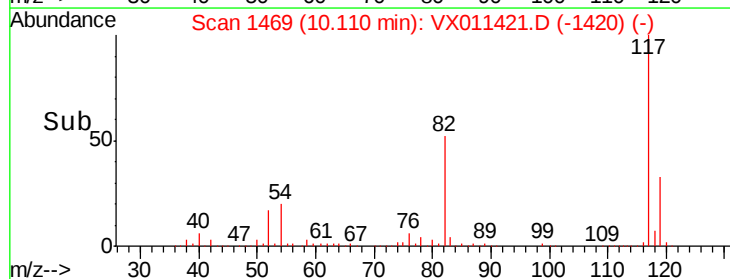
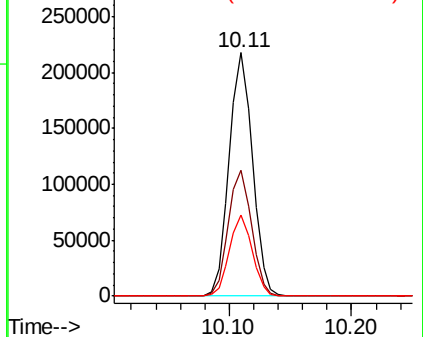
119 33.1 26.6 39.8

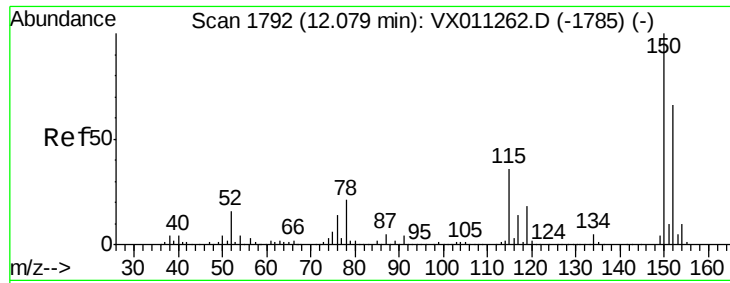


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBL01

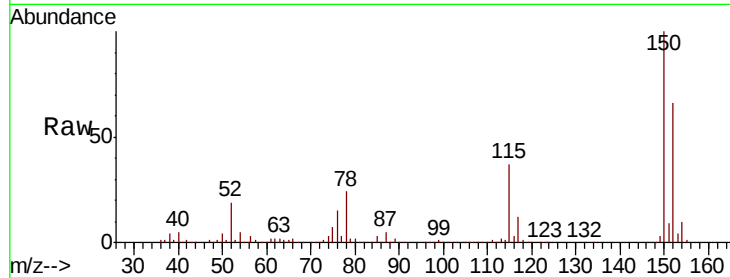
Tgt Ion:152 Resp: 135023

Ion Ratio Lower Upper

152 100

115 55.9 40.0 119.9

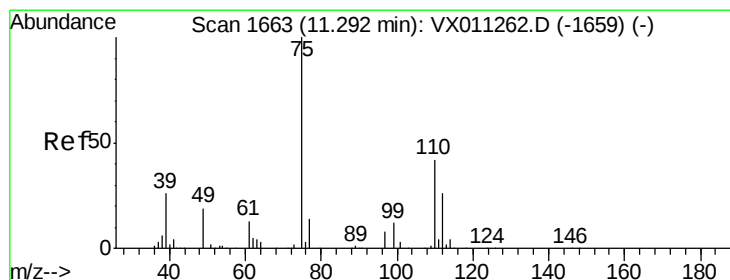
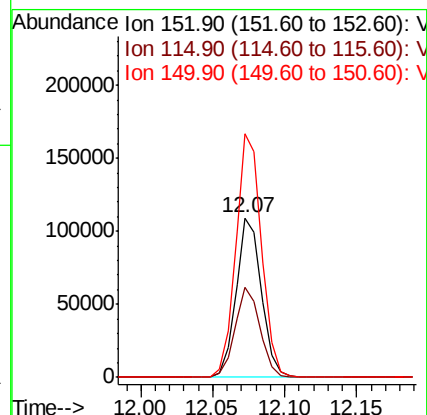
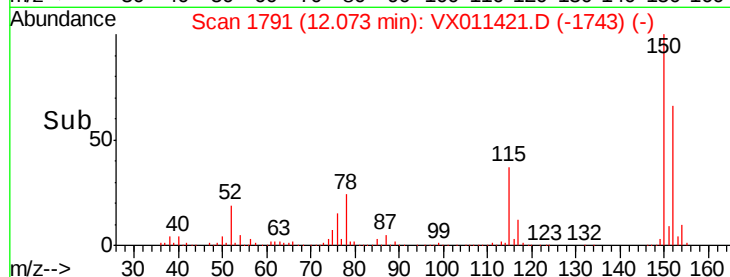
150 153.9 0.0 350.4



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: 26.162 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011421.D

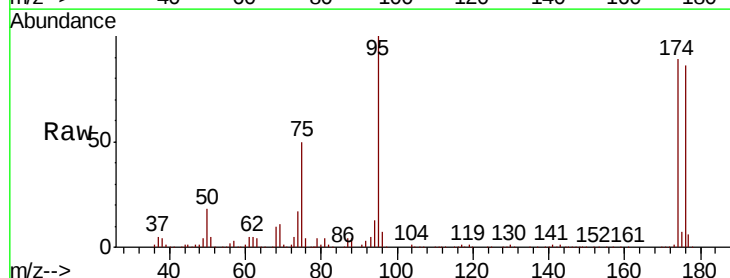
Acq: 11 Aug 2019 11:04

Tgt Ion: 75 Resp: 64330

Ion Ratio Lower Upper

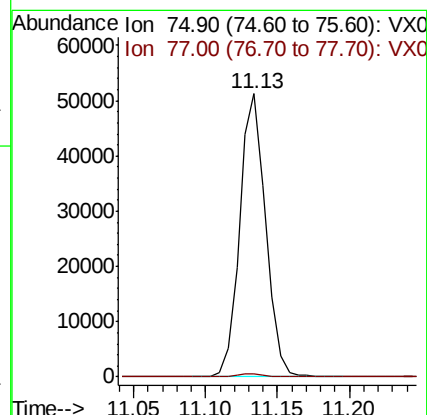
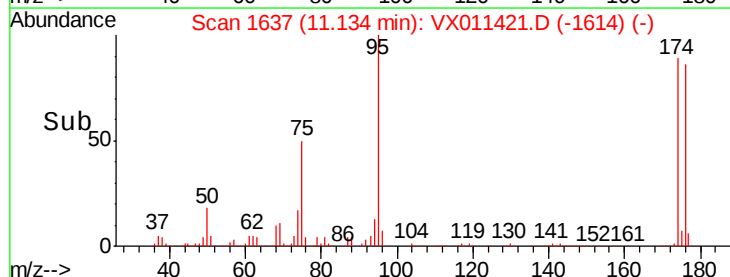
75 100

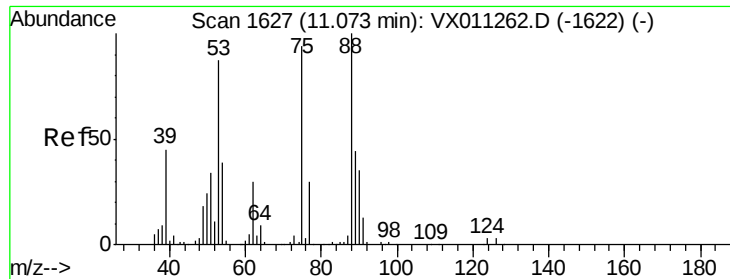
77 1.1 21.1 63.4#



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: 68.061 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBL01

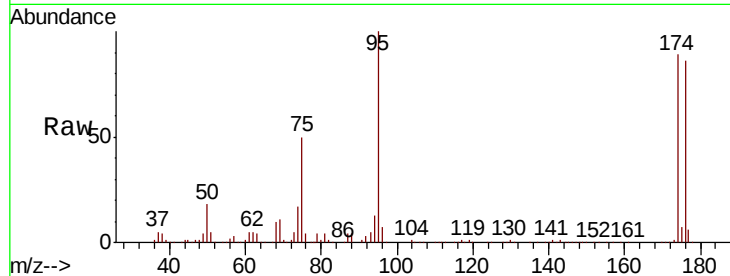
Tgt Ion: 75 Resp: 64330

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

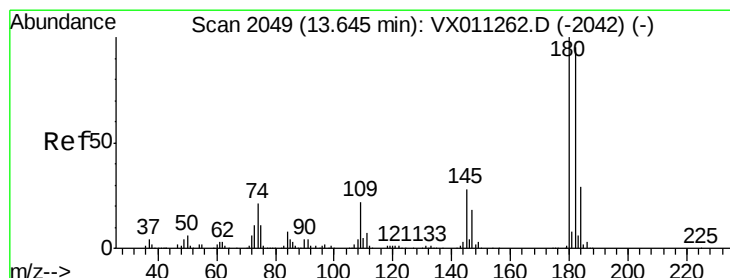
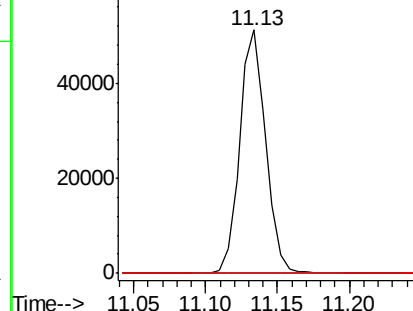
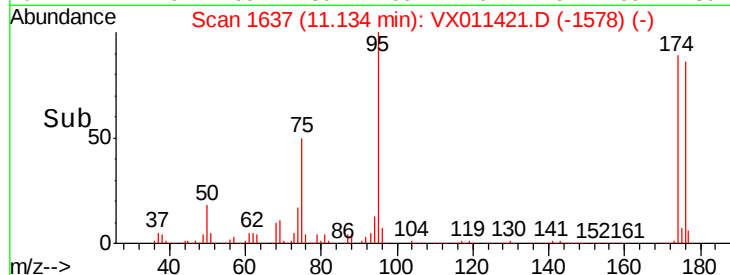
89 0.0 37.9 56.9#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.216 ug/l

RT: 13.64 min Scan# 2048

Delta R.T. -0.01 min

Lab File: VX011421.D

Acq: 11 Aug 2019 11:04

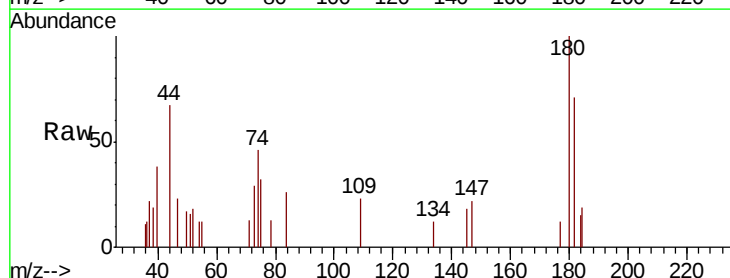
Tgt Ion: 180 Resp: 650

Ion Ratio Lower Upper

180 100

182 89.1 47.8 143.4

145 17.2 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

