

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
 Data File : VX011646.D
 Acq On : 19 Aug 2019 21:34
 Operator : JC/SP
 Sample : VX0819WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBL02

Quant Time: Aug 20 09:45:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	392357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	594066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	521617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	249499	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	203816	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	
35) Dibromofluoromethane	5.49	113	173827	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	
50) Toluene-d8	8.71	98	671760	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
62) 4-Bromofluorobenzene	11.13	95	233791	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	

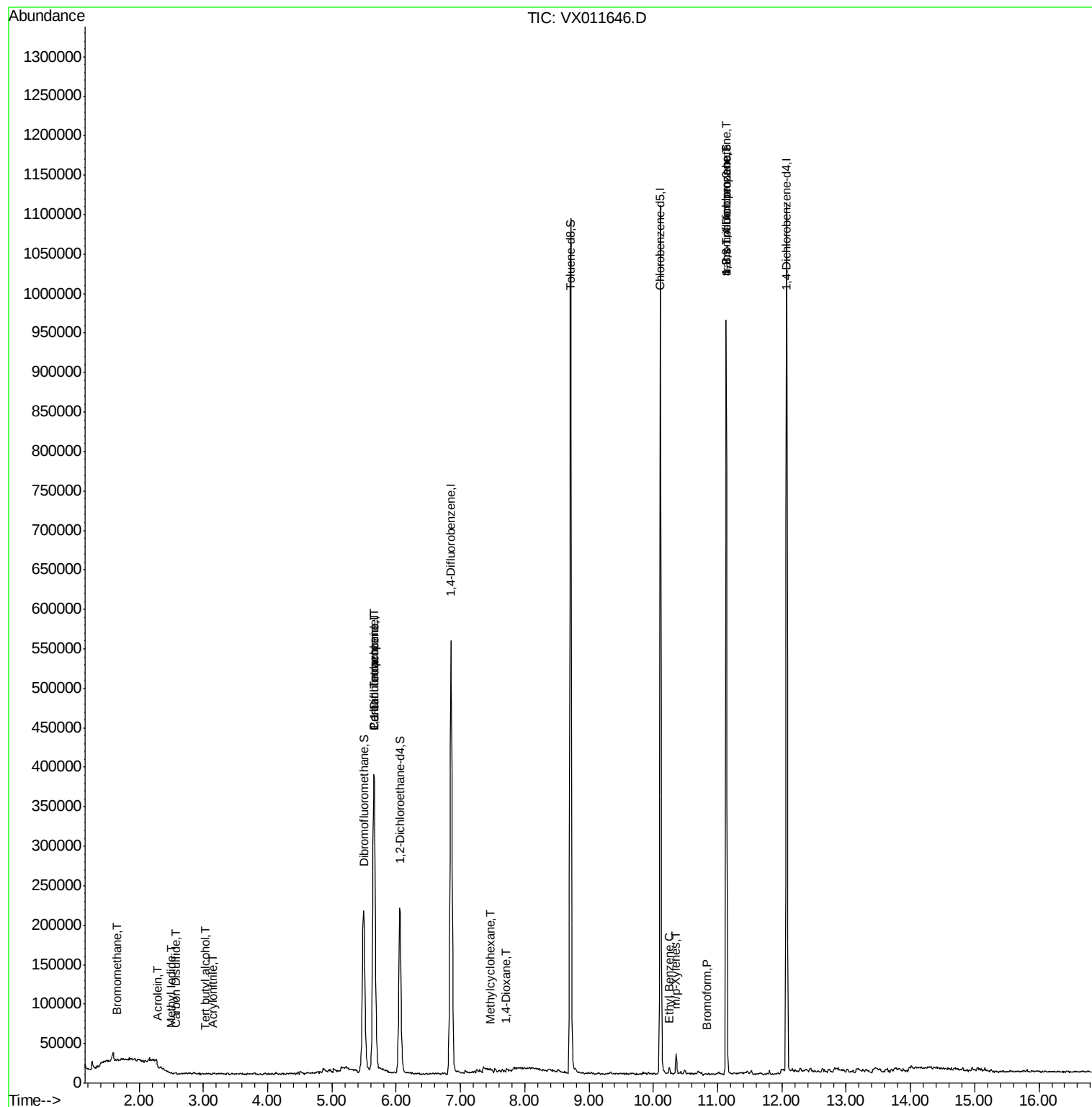
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	575	0.355	ug/l #	60
10) Methyl Iodide	2.50	142	1354	0.275	ug/l #	75
11) Tert butyl alcohol	3.03	59	483	0.541	ug/l #	1
13) Acrolein	2.29	56	128	12.627	ug/l #	15
15) Acrylonitrile	3.14	53	784	0.384	ug/l #	34
17) Carbon Disulfide	2.57	76	1921	0.244	ug/l #	55
36) 1,1-Dichloropropene	5.66	75	24213	4.767	ug/l #	51
38) Carbon Tetrachloride	5.66	117	36013	6.436	ug/l #	16
39) Methylcyclohexane	7.46	83	1520	0.242	ug/l #	74
49) 1,4-Dioxane	7.72	88	366	3.048	ug/l #	40
67) Ethyl Benzene	10.24	91	5378	0.290	ug/l	93
68) m/p-Xylenes	10.35	106	7063	0.991	ug/l	95
71) Bromoform	10.83	173	83	3.311	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	109464	23.137	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	109464	61.540	ug/l #	11

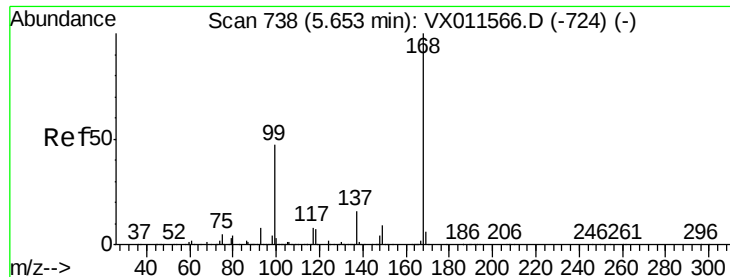
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
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QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011646.D

Acq: 19 Aug 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

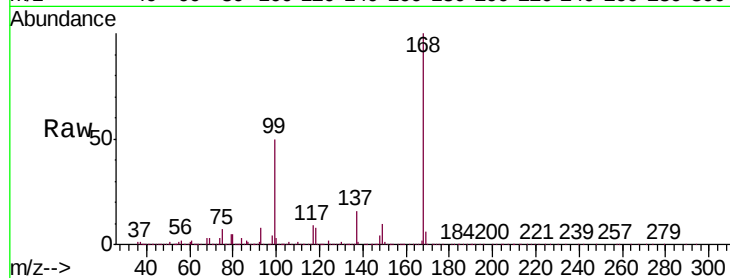
VX0819WBL02

Tgt Ion:168 Resp: 392357

Ion Ratio Lower Upper

168 100

99 50.2 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

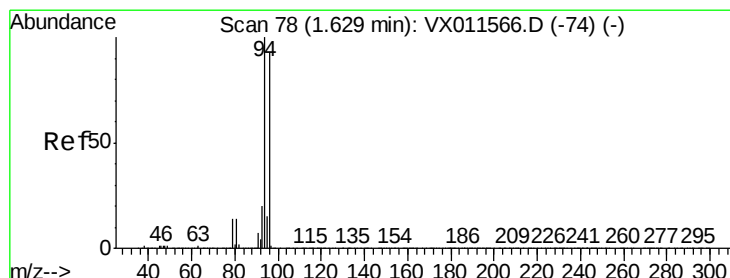
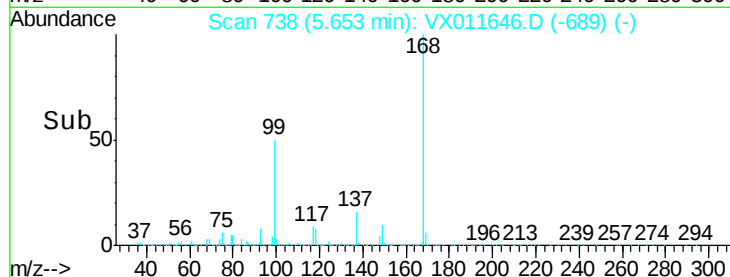
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.355 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX011646.D

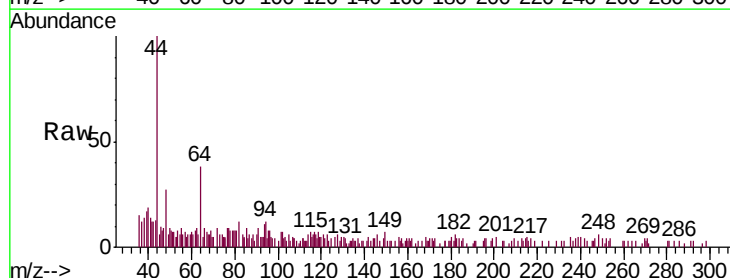
Acq: 19 Aug 2019 21:34

Tgt Ion: 94 Resp: 575

Ion Ratio Lower Upper

94 100

96 55.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

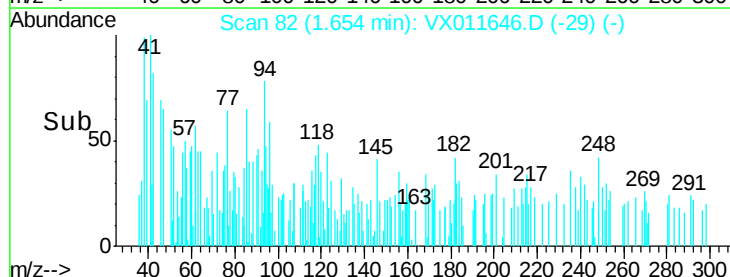
300

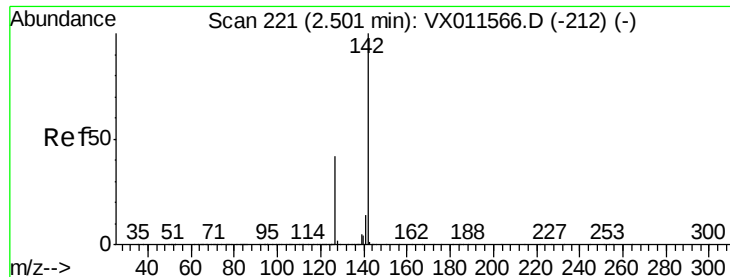
200

100

0

Time-->

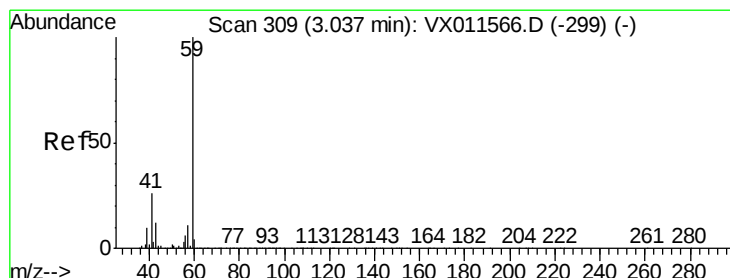
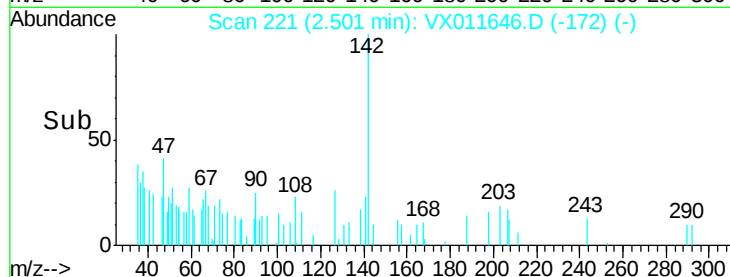
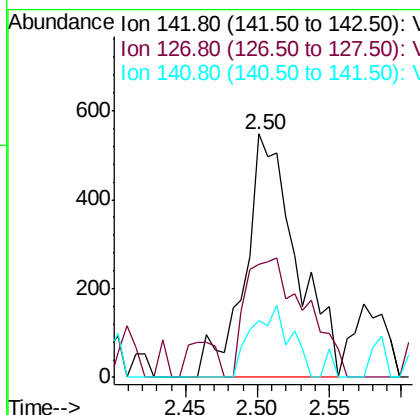
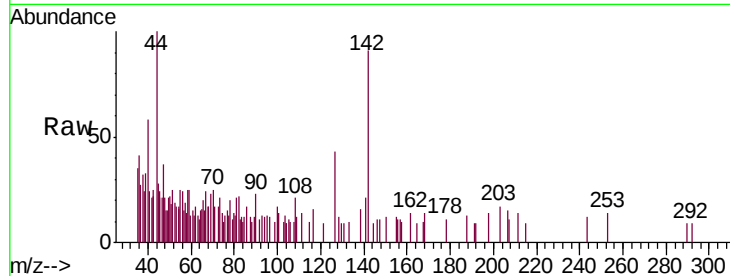




#10
Methyl Iodide
Concen: 0.275 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011646.D
Acq: 19 Aug 2019 21:34

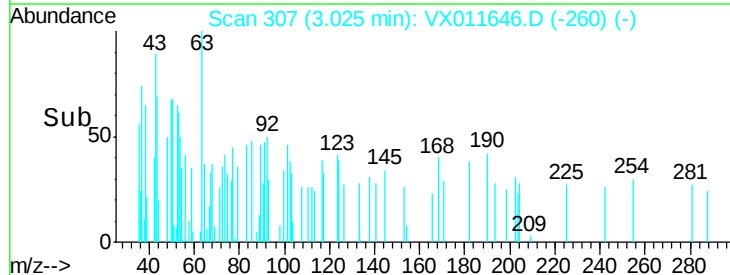
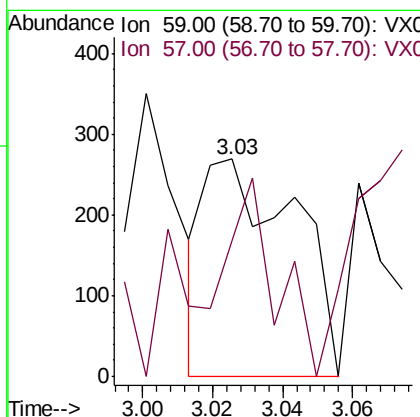
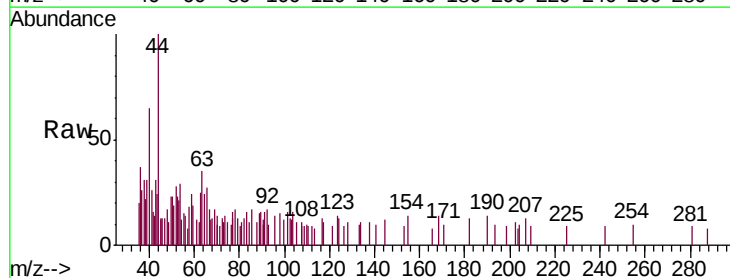
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL02

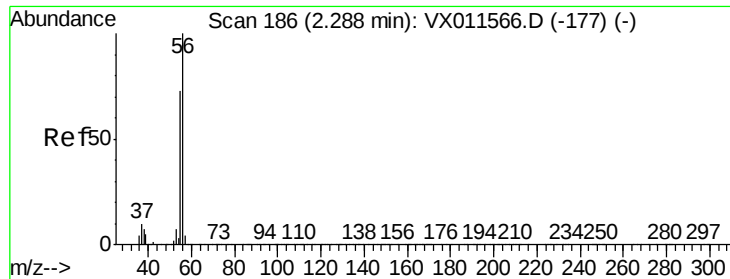
Tgt Ion:142 Resp: 1354
Ion Ratio Lower Upper
142 100
127 57.5 32.8 49.2#
141 22.5 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.541 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX011646.D
Acq: 19 Aug 2019 21:34

Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 73.9 8.7 13.1#

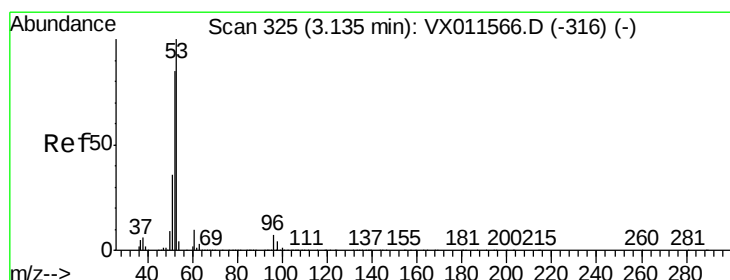
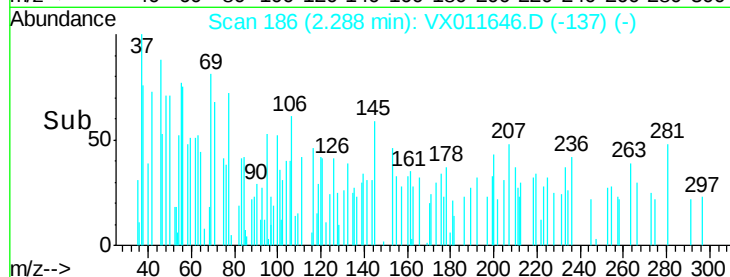
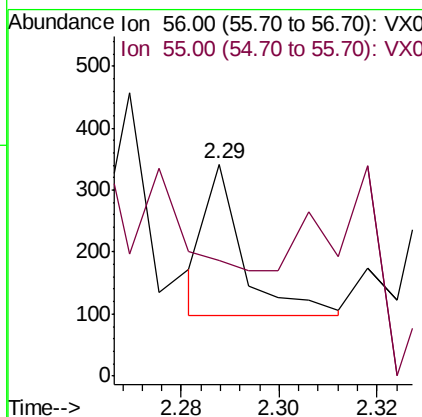
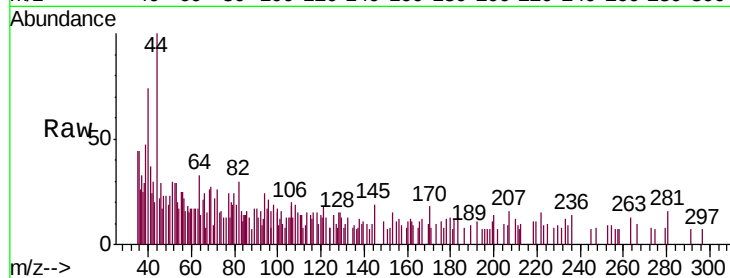




#13
Acrolein
Concen: 12.627 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011646.D
Acq: 19 Aug 2019 21:34

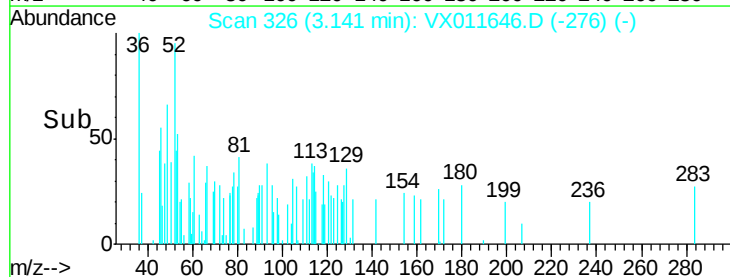
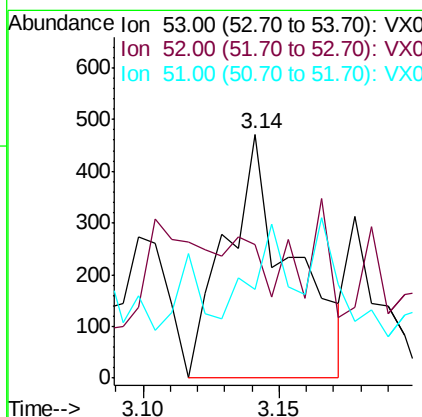
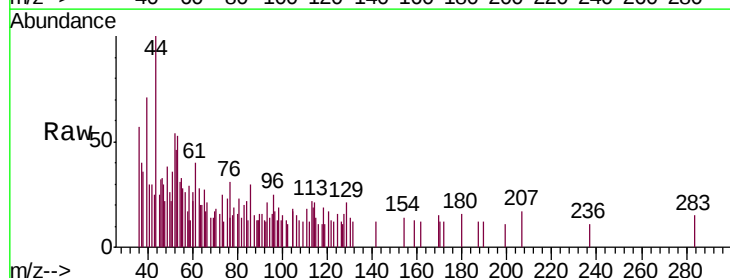
Instrument :
MSVOA_X
ClientSampled :
VX0819WBL02

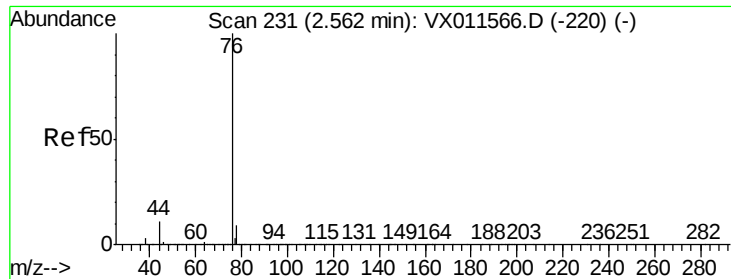
Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#



#15
Acrylonitrile
Concen: 0.384 ug/l
RT: 3.14 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX011646.D
Acq: 19 Aug 2019 21:34

Tgt Ion: 53 Resp: 784
Ion Ratio Lower Upper
53 100
52 8.8 66.7 100.1#
51 20.2 28.7 43.1#

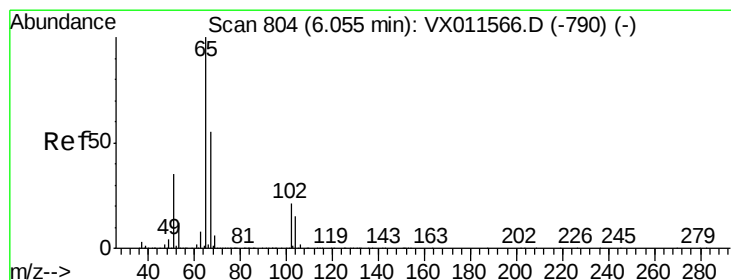
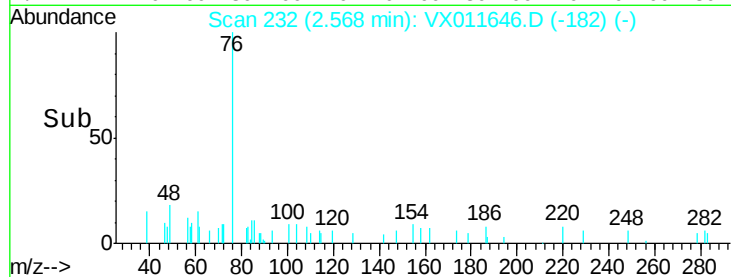
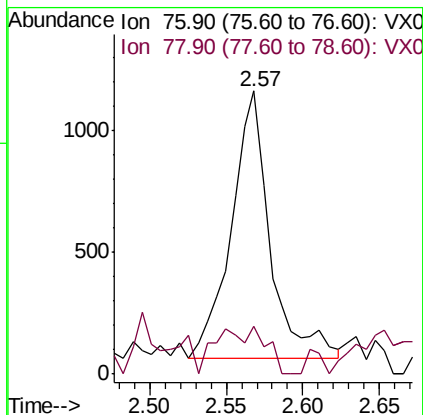
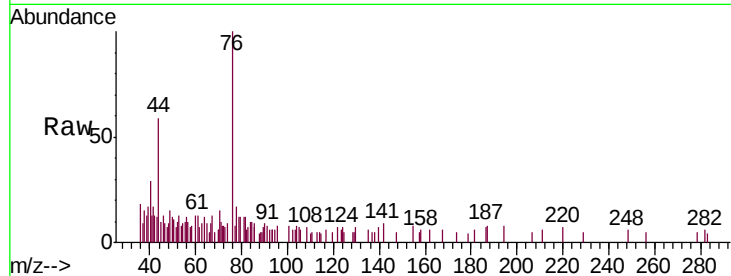




#17
Carbon Disulfide
Concen: 0.244 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX011646.D
Acq: 19 Aug 2019 21:34

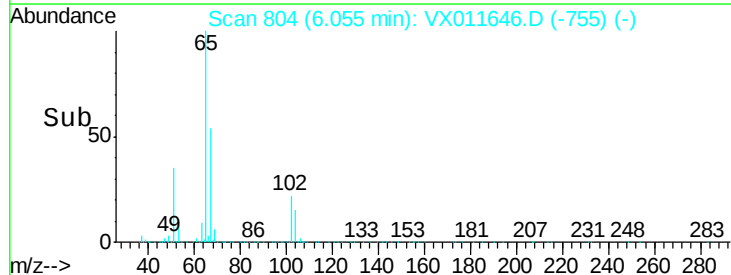
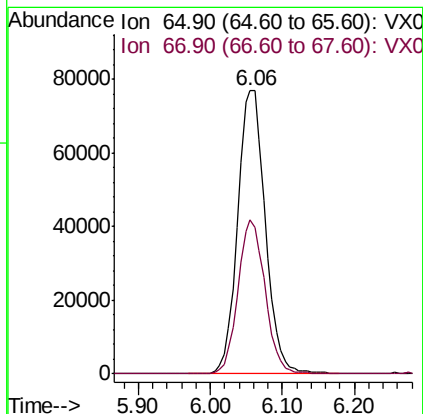
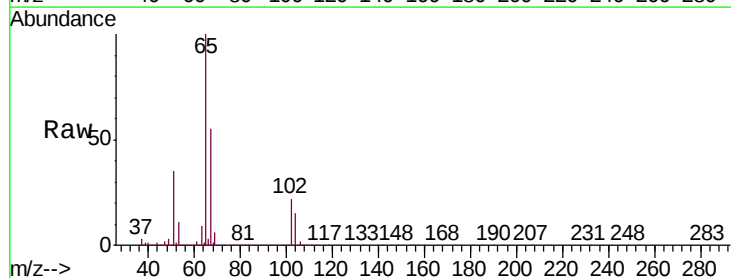
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL02

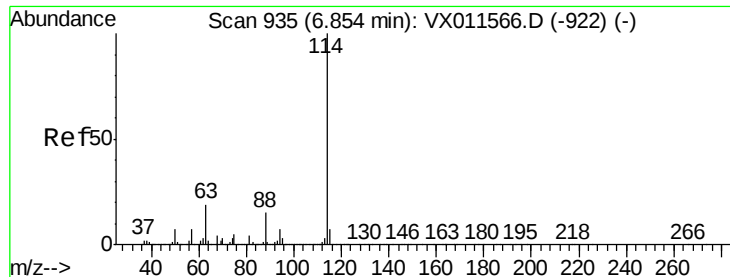
Tgt Ion: 76 Resp: 1921
Ion Ratio Lower Upper
76 100
78 25.1 7.2 10.8#



#33
1,2-Dichloroethane-d4
Concen: 56.015 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011646.D
Acq: 19 Aug 2019 21:34

Tgt Ion: 65 Resp: 203816
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011646.D

Acq: 19 Aug 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBL02

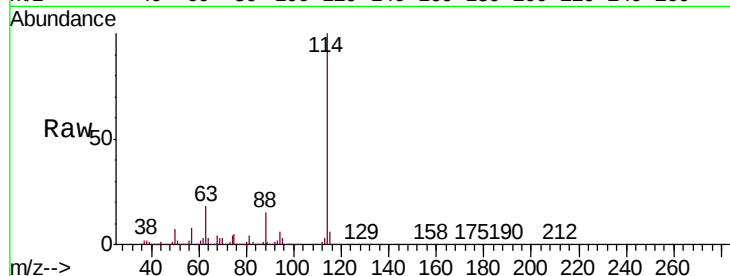
Tgt Ion:114 Resp: 594066

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.8

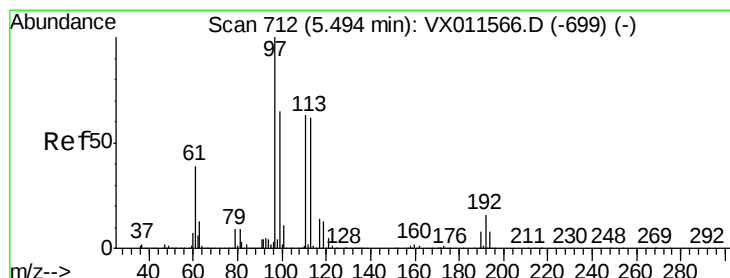
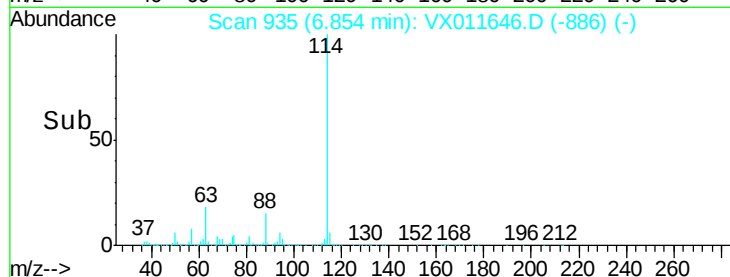
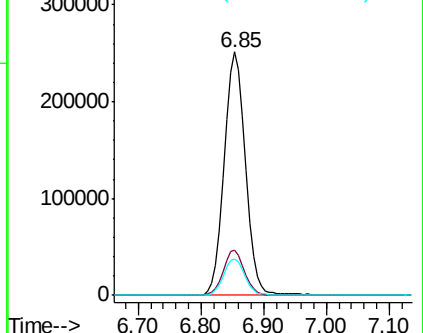
88 14.9 0.0 30.2



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: 44.737 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011646.D

Acq: 19 Aug 2019 21:34

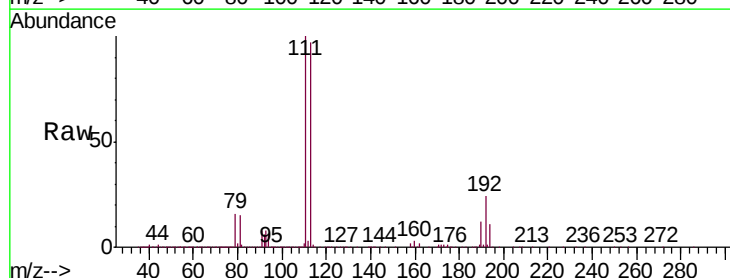
Tgt Ion:113 Resp: 173827

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

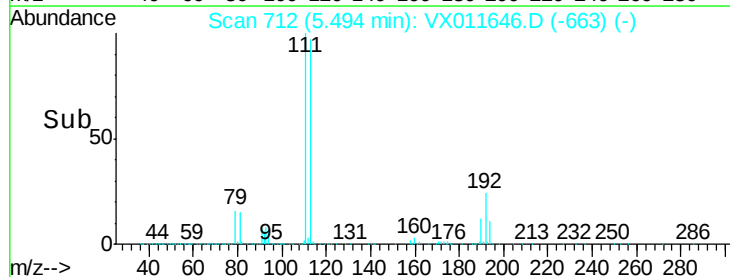
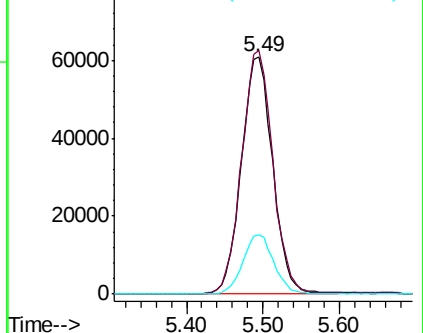
192 24.9 20.8 31.2

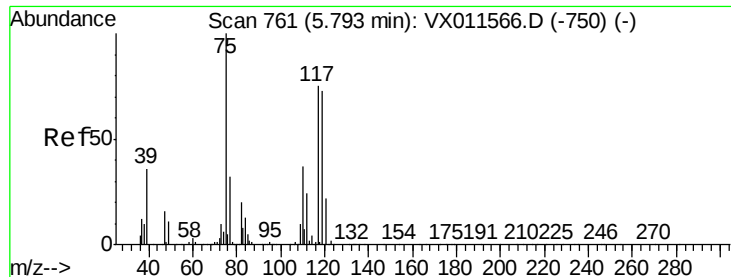


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

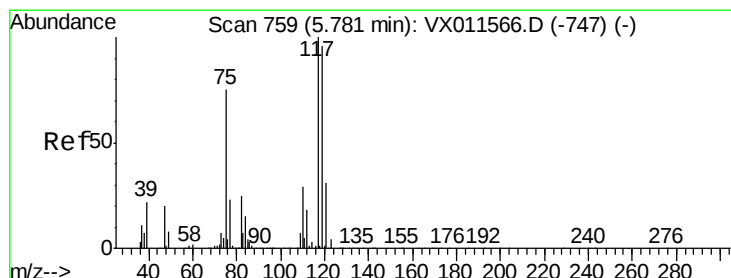
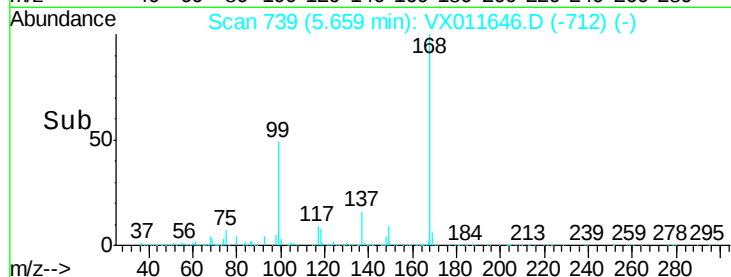
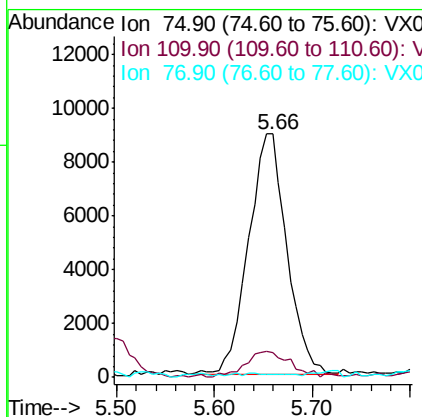
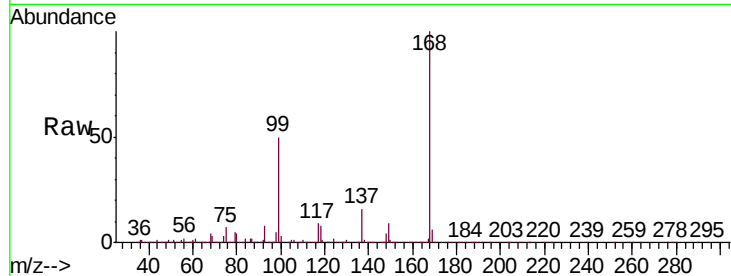




#36
 1,1-Dichloropropene
 Concen: 4.767 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011646.D
 Acq: 19 Aug 2019 21:34

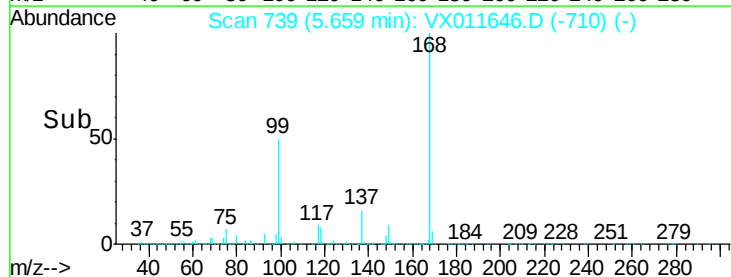
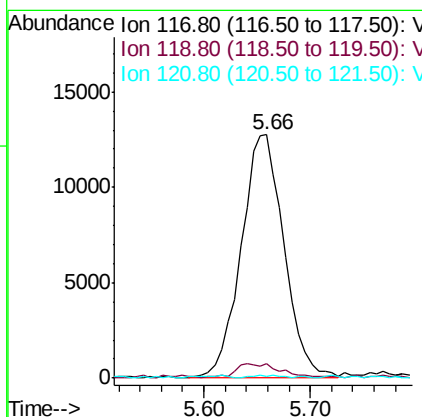
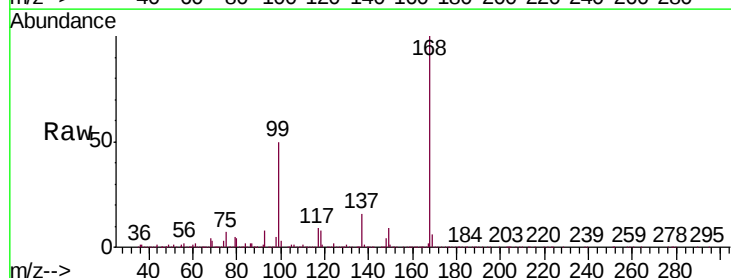
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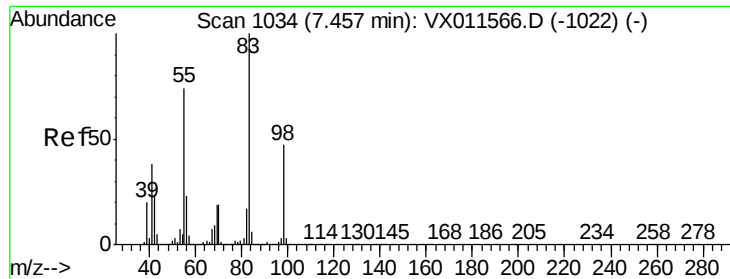
Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.6	19.4	58.1#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.436 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011646.D
 Acq: 19 Aug 2019 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.9	115.3#
121	0.1	24.8	37.2#





#39

Methylcyclohexane

Concen: 0.242 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX011646.D

Acq: 19 Aug 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBL02

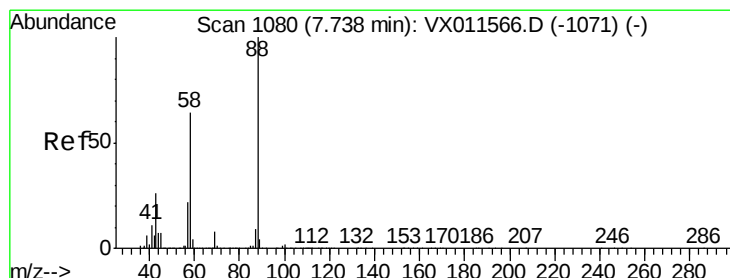
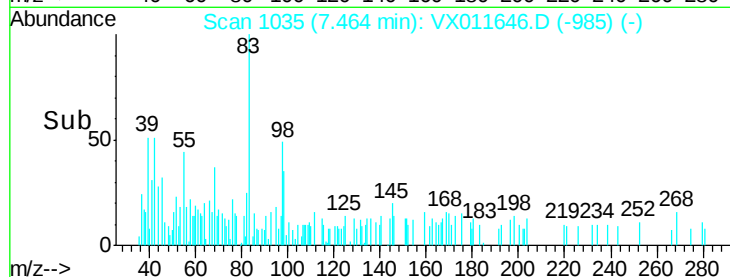
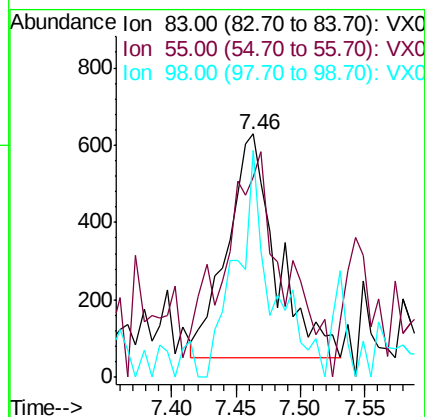
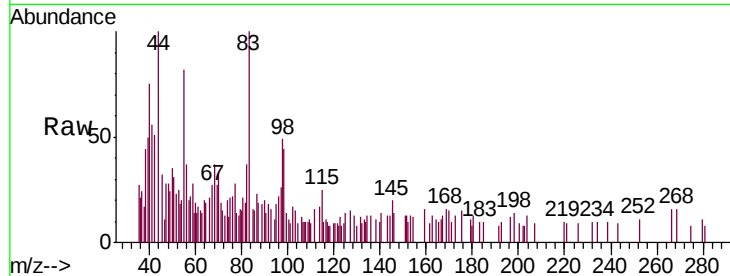
Tgt Ion: 83 Resp: 1520

Ion Ratio Lower Upper

83 100

55 69.2 58.8 88.2

98 85.8 37.8 56.6#



#49

1,4-Dioxane

Concen: 3.048 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX011646.D

Acq: 19 Aug 2019 21:34

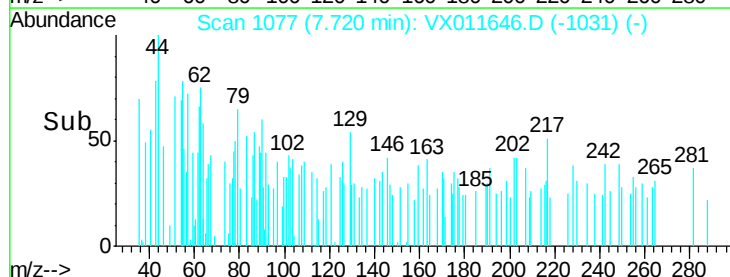
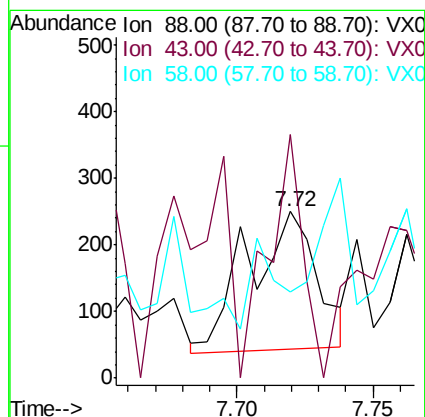
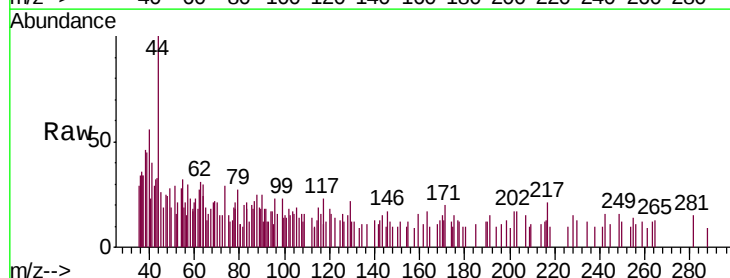
Tgt Ion: 88 Resp: 366

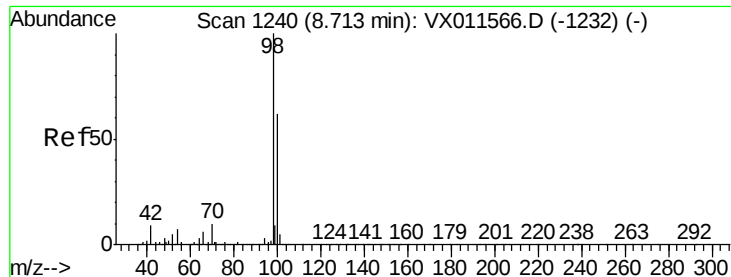
Ion Ratio Lower Upper

88 100

43 87.4 23.4 35.0#

58 36.6 54.3 81.5#





#50

Toluene-d8

Concen: 55.486 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011646.D

Acq: 19 Aug 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

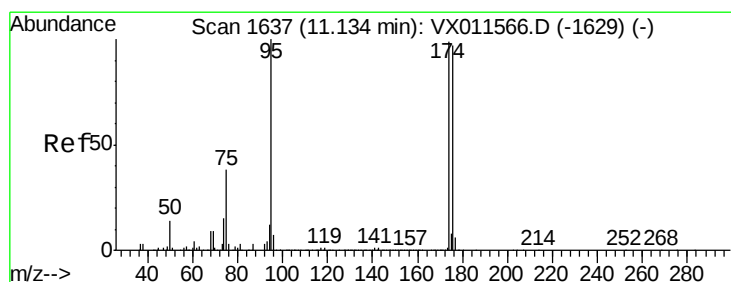
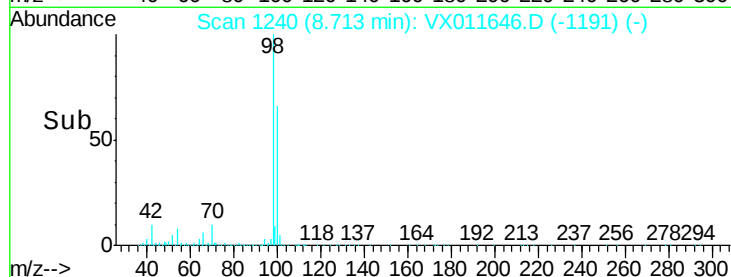
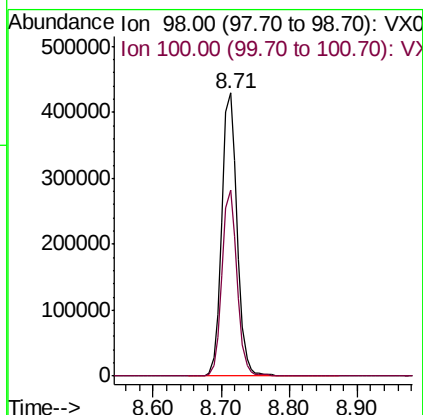
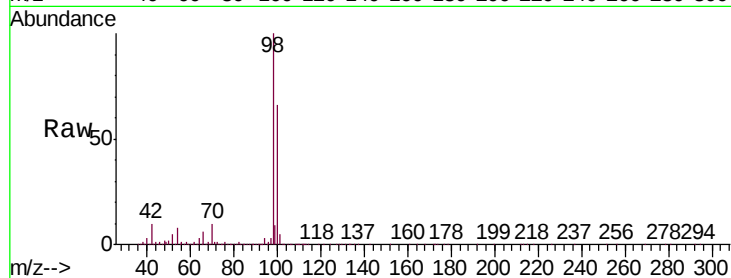
VX0819WBL02

Tgt Ion: 98 Resp: 671760

Ion Ratio Lower Upper

98 100

100 64.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.750 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011646.D

Acq: 19 Aug 2019 21:34

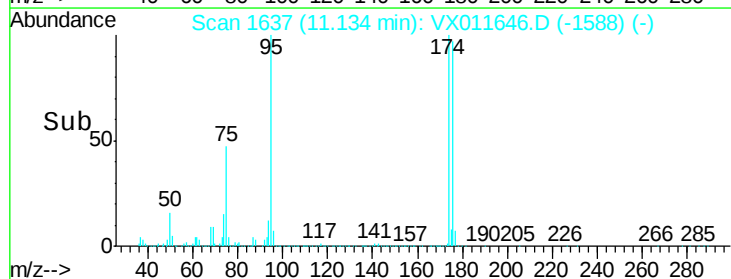
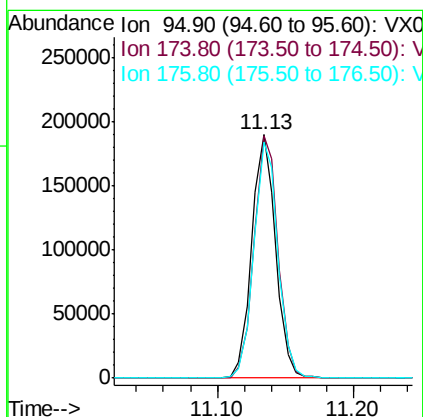
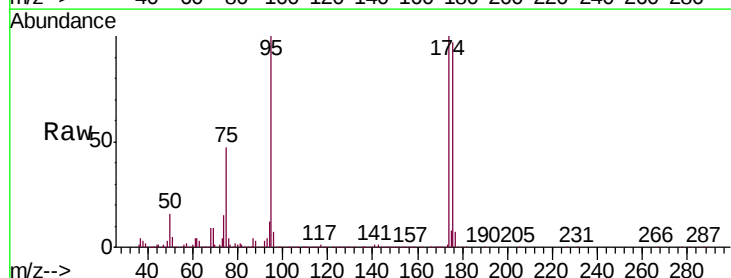
Tgt Ion: 95 Resp: 233791

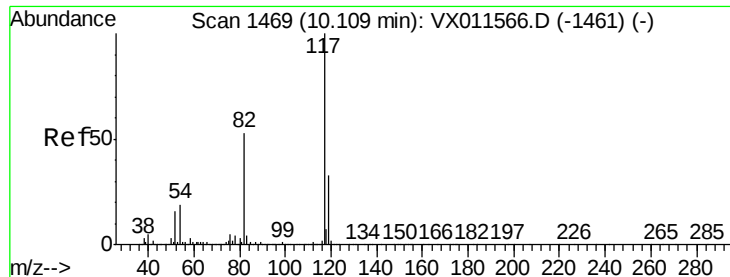
Ion Ratio Lower Upper

95 100

174 100.9 0.0 200.6

176 97.8 0.0 196.6

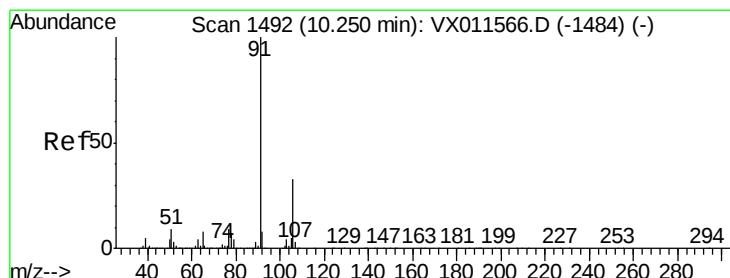
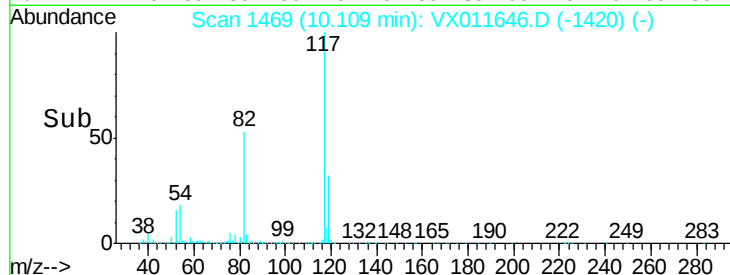
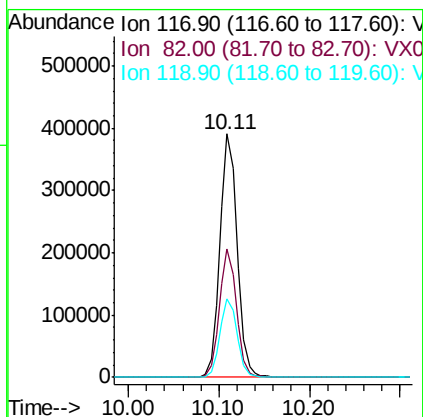
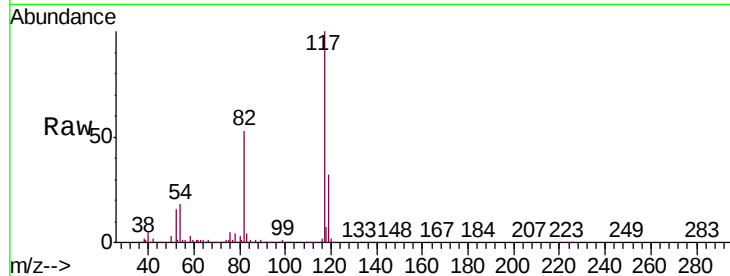




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011646.D
Acq: 19 Aug 2019 21:34

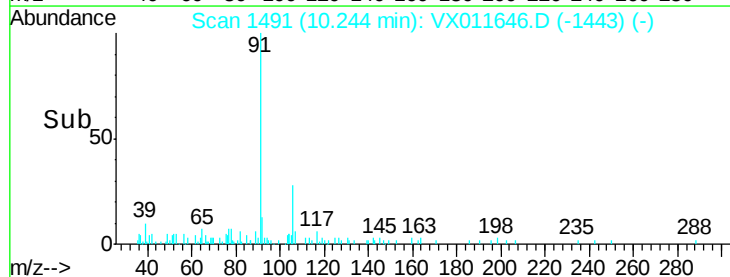
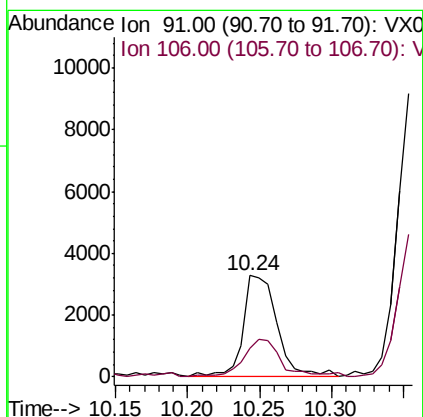
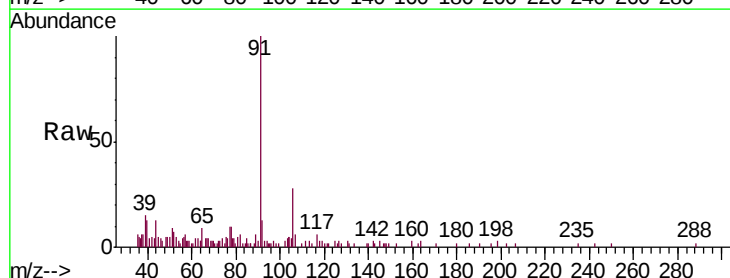
Instrument :
MSVOA_X
ClientSampled :
VX0819WBL02

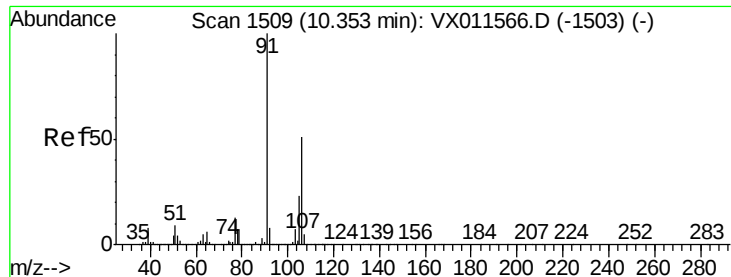
Tgt Ion: 117 Resp: 521617
Ion Ratio Lower Upper
117 100
82 52.8 42.0 63.0
119 32.0 26.5 39.7



#67
Ethyl Benzene
Concen: 0.290 ug/l
RT: 10.24 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VX011646.D
Acq: 19 Aug 2019 21:34

Tgt Ion: 91 Resp: 5378
Ion Ratio Lower Upper
91 100
106 28.5 26.0 39.0

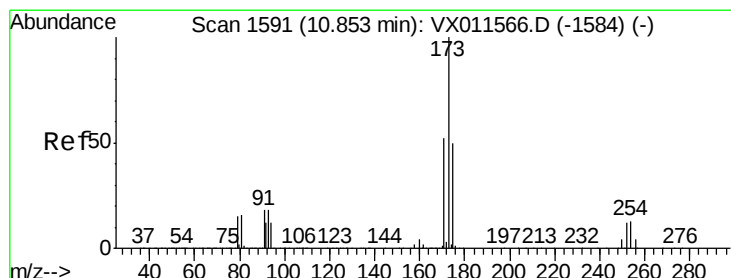
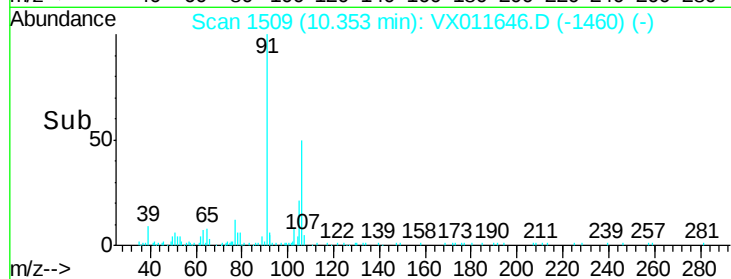
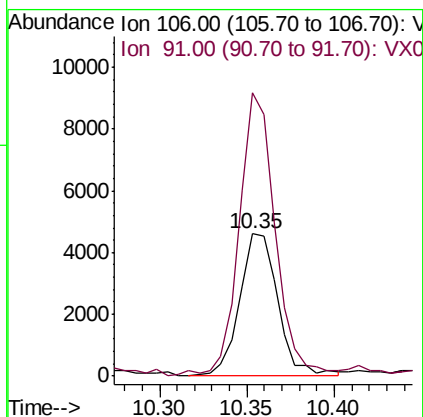
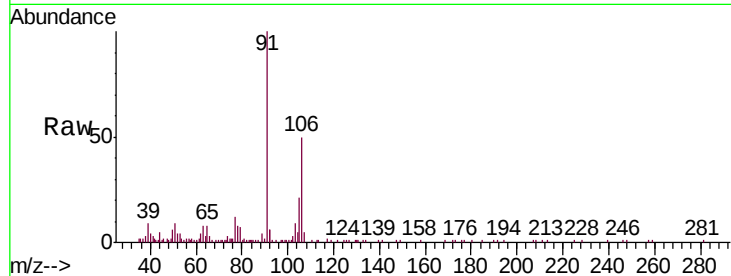




#68
m/p-Xylenes
Concen: 0.991 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011646.D
Acq: 19 Aug 2019 21:34

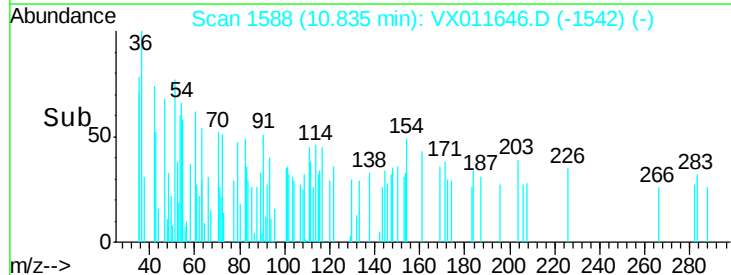
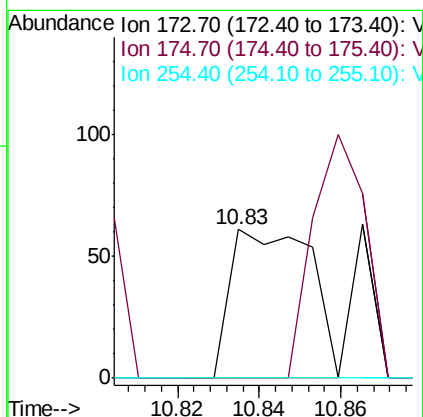
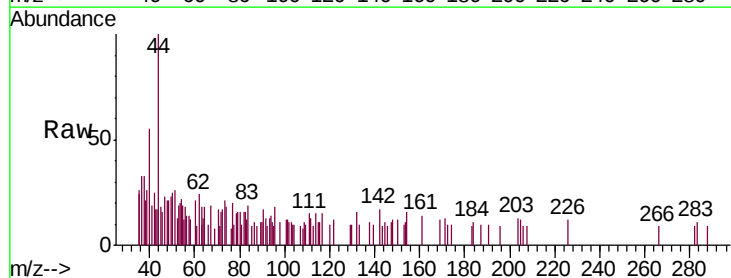
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL02

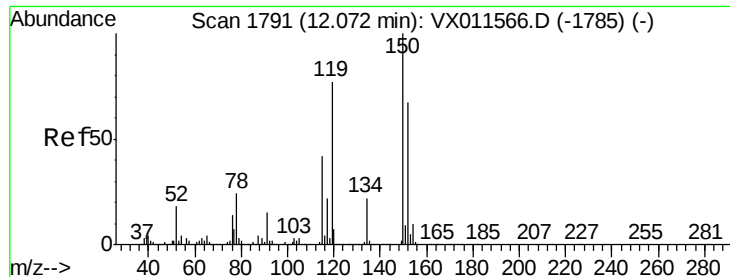
Tgt Ion:106 Resp: 7063
Ion Ratio Lower Upper
106 100
91 187.9 156.0 234.0



#71
Bromoform
Concen: 3.311 ug/l
RT: 10.83 min Scan# 1588
Delta R.T. -0.02 min
Lab File: VX011646.D
Acq: 19 Aug 2019 21:34

Tgt Ion:173 Resp: 83
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011646.D

Acq: 19 Aug 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBL02

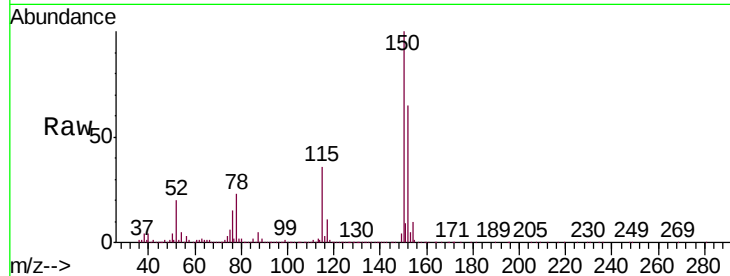
Tgt Ion: 152 Resp: 249499

Ion Ratio Lower Upper

152 100

115 54.5 37.3 111.9

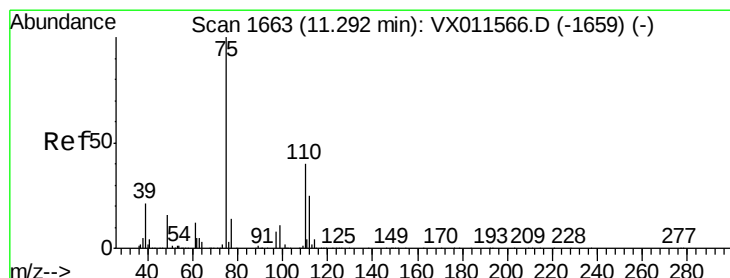
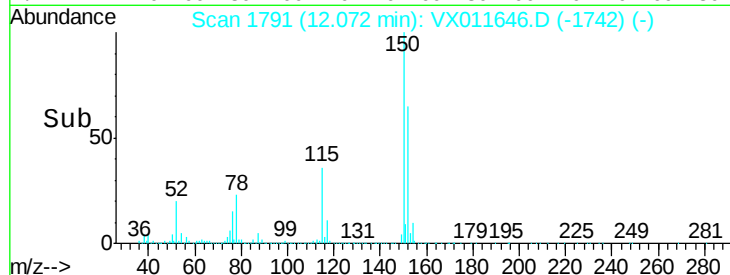
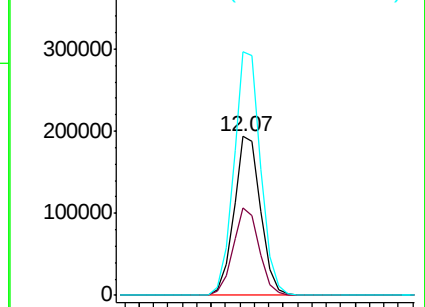
150 153.6 0.0 346.2



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: 23.137 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011646.D

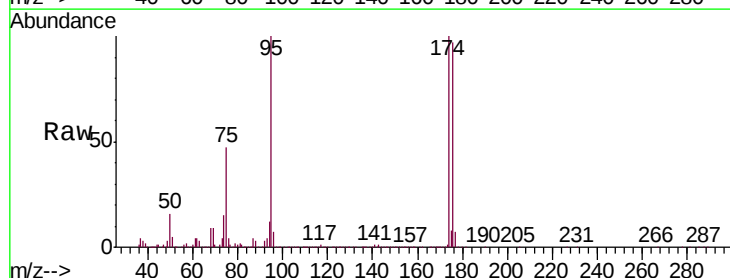
Acq: 19 Aug 2019 21:34

Tgt Ion: 75 Resp: 109464

Ion Ratio Lower Upper

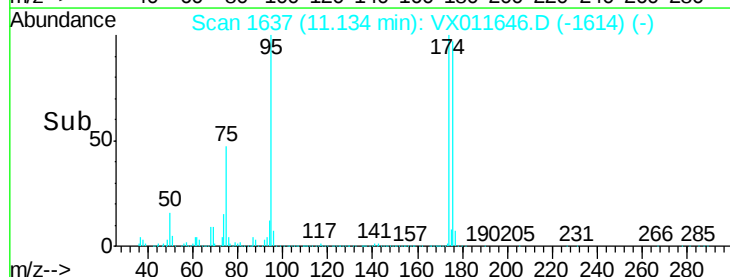
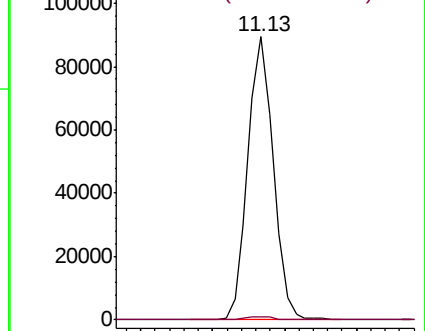
75 100

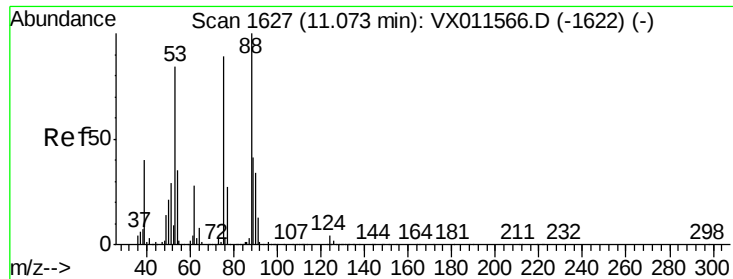
77 1.6 20.9 62.8#



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: 61.540 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011646.D

Acq: 19 Aug 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBL02

Tgt Ion: 75 Resp: 109464

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.1 37.3 55.9#

