

Data File : VX011305.D
Acq On : 02 Aug 2019 15:20
Operator : JC/SP
Sample : K4119-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Z3-0683

Quant Time: Aug 03 05:43:52 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	146169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	236274	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	77811	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	5.49	113	74874	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	8.71	98	287617	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	97248	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	

Target Compounds

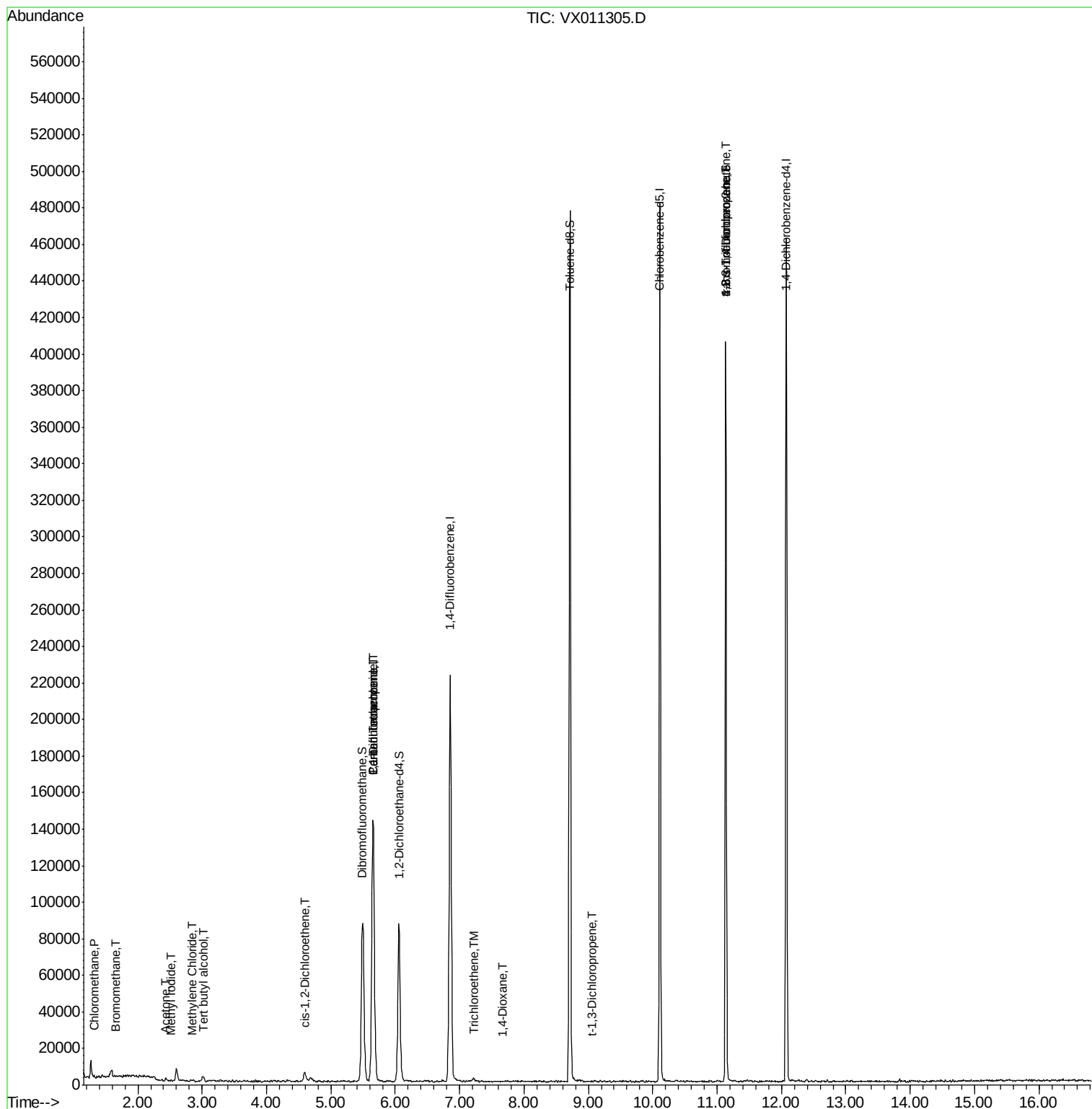
						Qvalue
3) Chloromethane	1.32	50	605	0.477	ug/l #	82
5) Bromomethane	1.65	94	522	0.525	ug/l #	58
6) Chloroethane	1.73	64	1413	Below Cal	#	47
10) Methyl Iodide	2.51	142	442	0.261	ug/l #	60
11) Tert butyl alcohol	3.01	59	1596	5.460	ug/l	100
13) Acrolein	2.29	56	70	Below Cal	#	1
16) Acetone	2.44	43	1702	2.429	ug/l #	88
20) Methylene Chloride	2.85	84	329	0.214	ug/l #	71
27) cis-1,2-Dichloroethene	4.59	96	3111	1.920	ug/l	93
36) 1,1-Dichloropropene	5.65	75	9885	4.792	ug/l #	48
38) Carbon Tetrachloride	5.65	117	13658	6.581	ug/l #	15
44) Trichloroethene	7.21	130	810	0.435	ug/l	77
49) 1,4-Dioxane	7.66	88	23	0.510	ug/l #	29
53) t-1,3-Dichloropropene	9.06	75	46	2.857	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	47054	25.315	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	47054	66.004	ug/l #	10

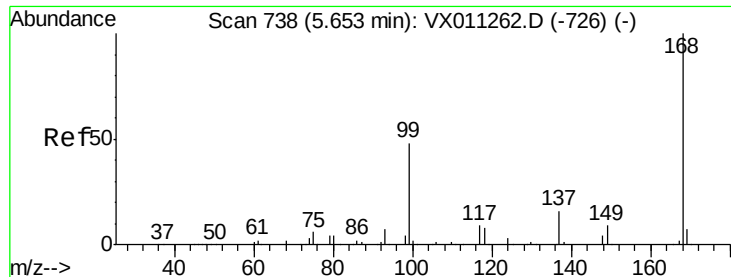
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

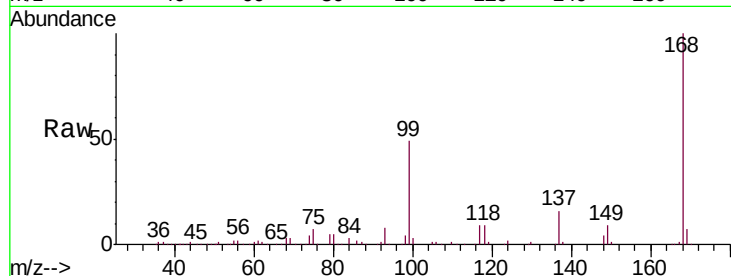
Z3-0683

Tgt Ion: 168 Resp: 146169

Ion Ratio Lower Upper

168 100

99 49.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

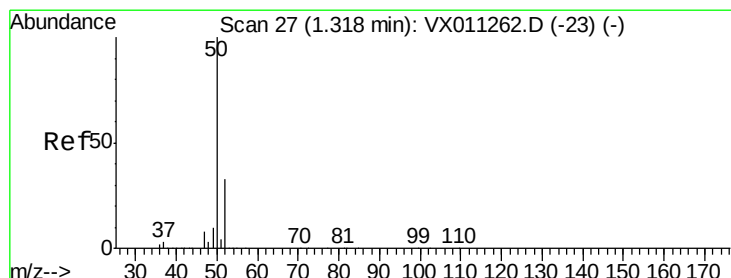
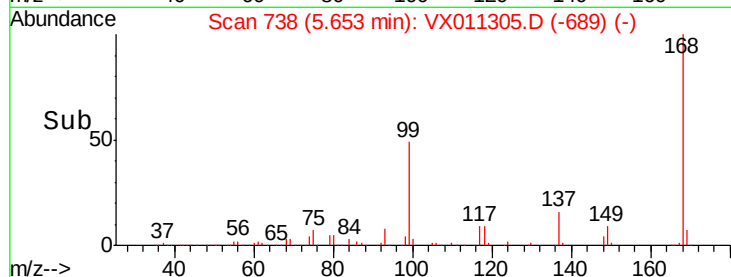
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.477 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011305.D

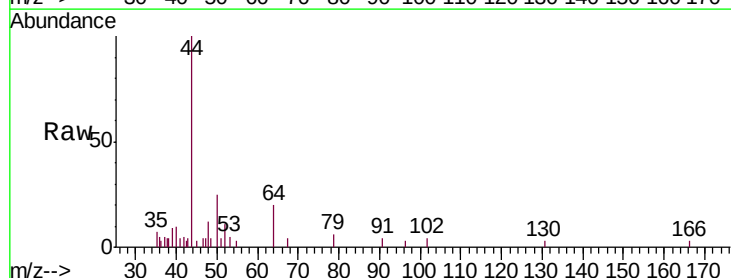
Acq: 02 Aug 2019 15:20

Tgt Ion: 50 Resp: 605

Ion Ratio Lower Upper

50 100

52 43.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

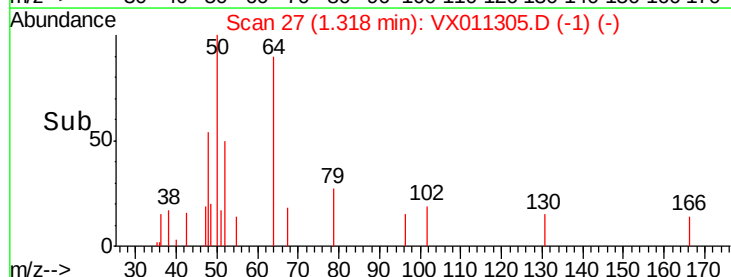
200

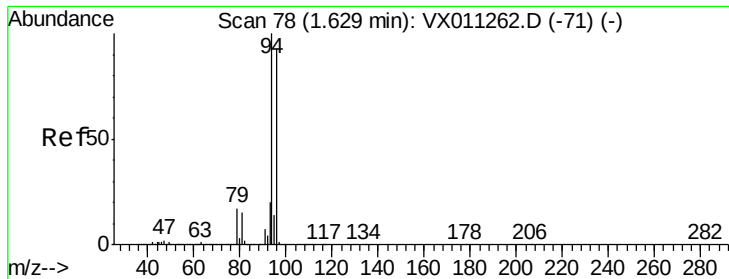
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.525 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

Instrument :

MSVOA_N

ClientSampled :

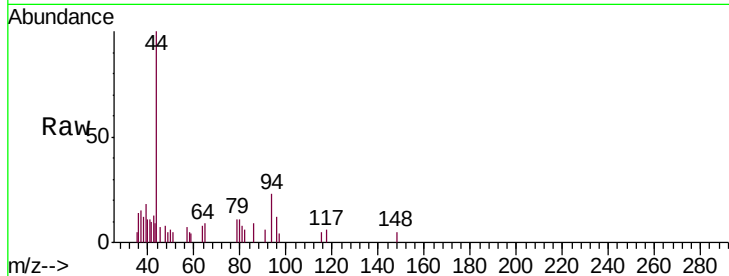
Z3-0683

Tgt Ion: 94 Resp: 522

Ion Ratio Lower Upper

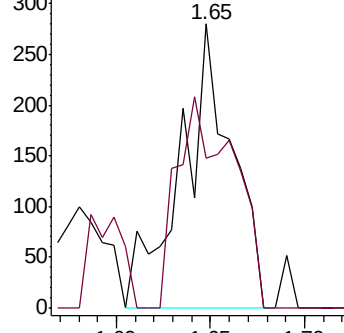
94 100

96 52.5 74.6 112.0#

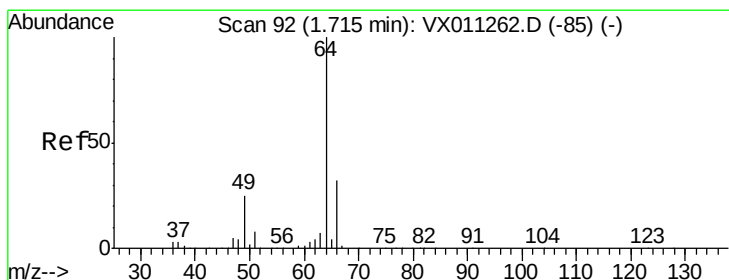
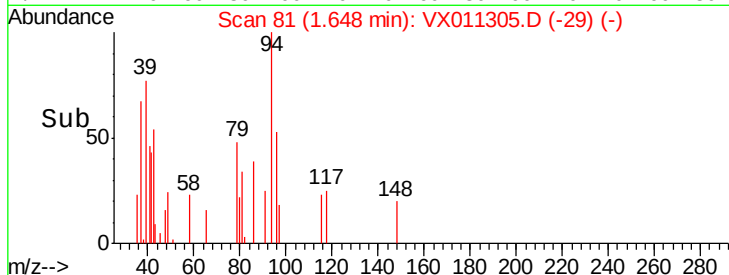


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011305.D

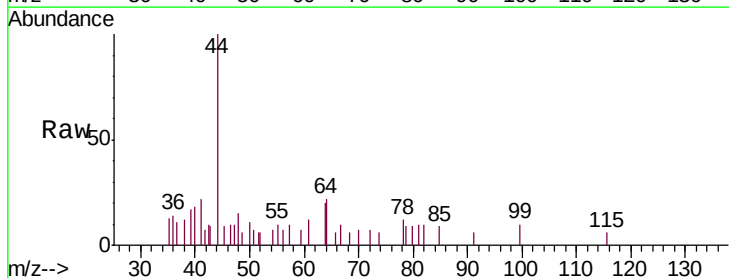
Acq: 02 Aug 2019 15:20

Tgt Ion: 64 Resp: 1413

Ion Ratio Lower Upper

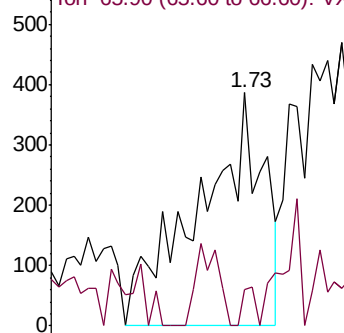
64 100

66 2.3 25.1 37.7#

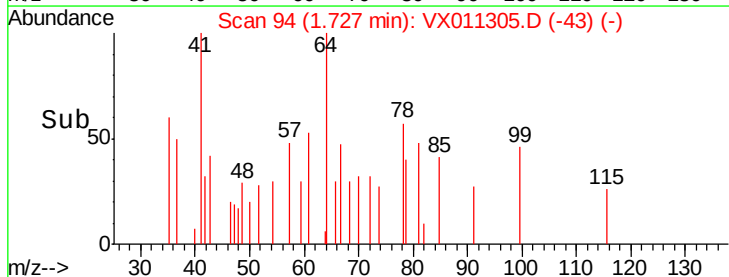


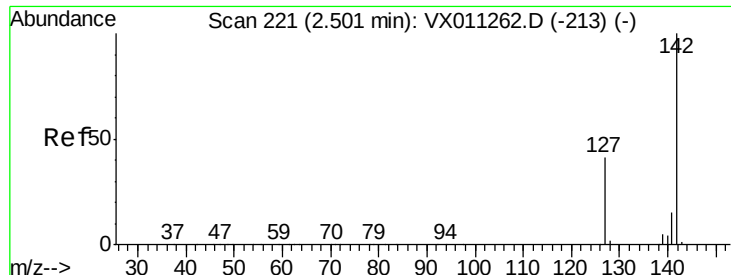
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

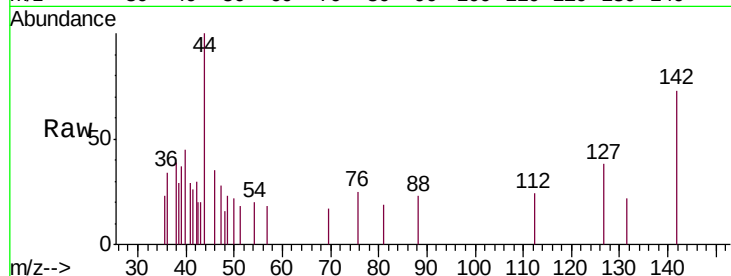




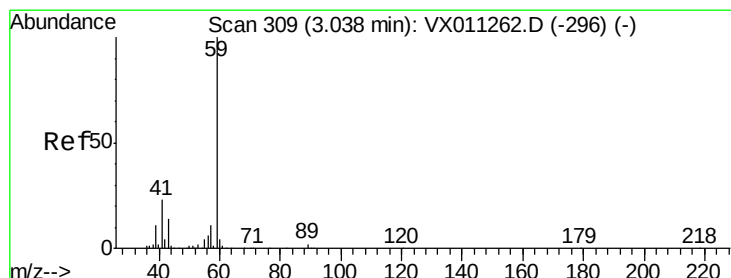
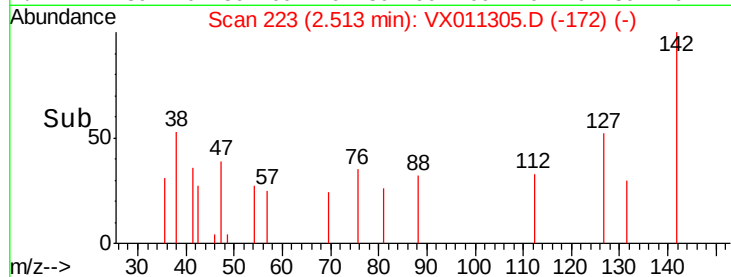
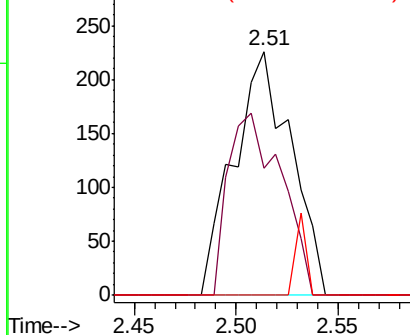
#10
Methyl Iodide
Concen: 0.261 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011305.D
Acq: 02 Aug 2019 15:20

Instrument :
MSVOA_N
ClientSampleId :
Z3-0683

Tgt Ion:142 Resp: 442
Ion Ratio Lower Upper
142 100
127 69.0 33.8 50.8#
141 0.0 11.4 17.2#

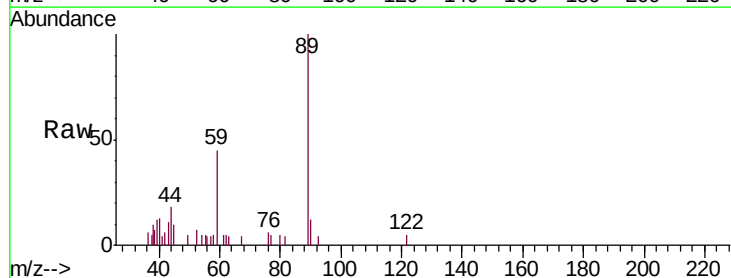


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

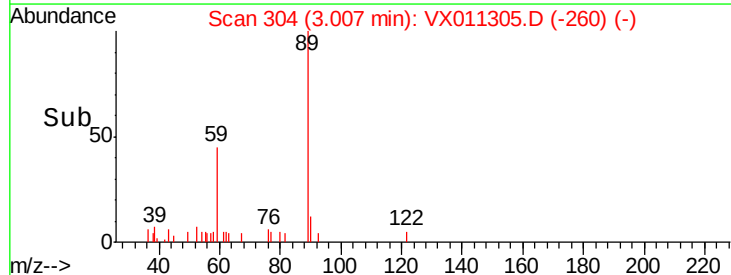
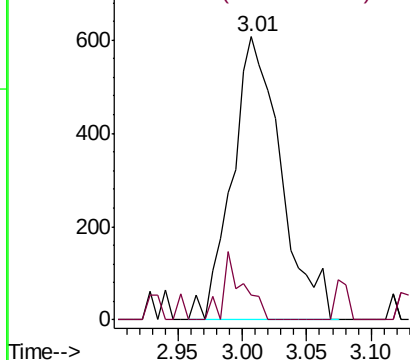


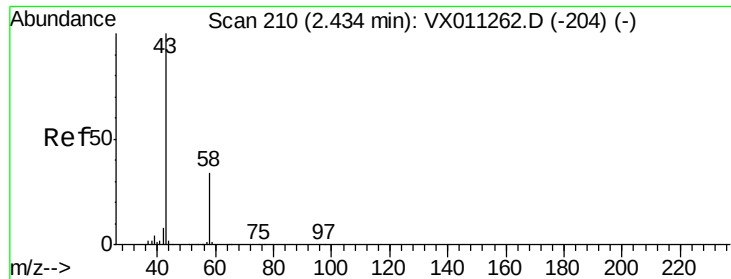
#11
Tert butyl alcohol
Concen: 5.460 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011305.D
Acq: 02 Aug 2019 15:20

Tgt Ion: 59 Resp: 1596
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

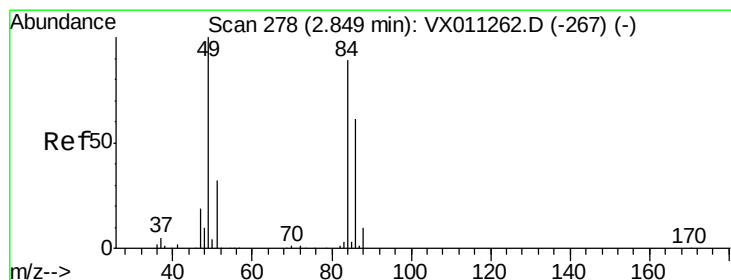
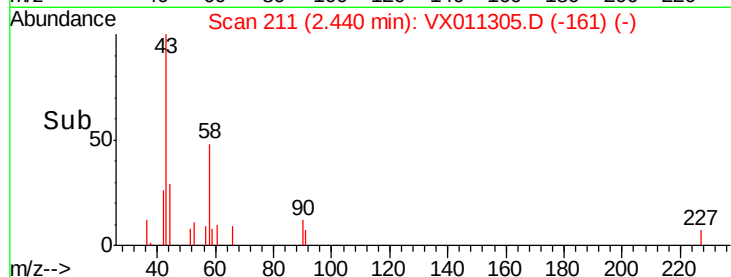
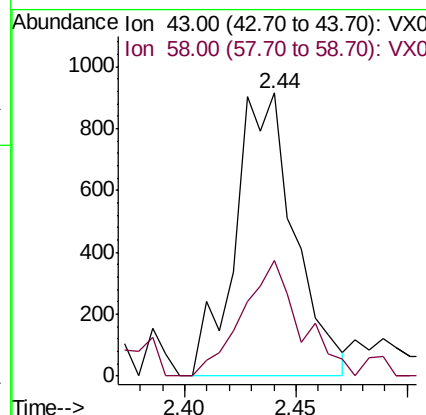
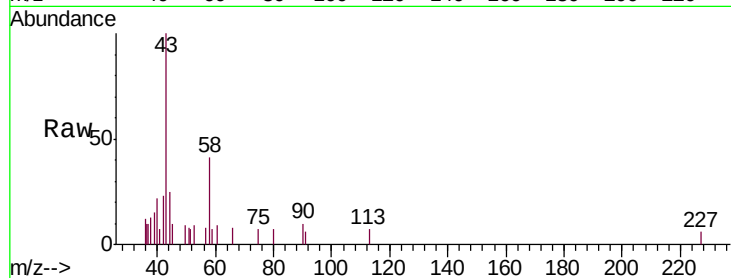




#16
Acetone
Concen: 2.429 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.01 min
Lab File: VX011305.D
Acq: 02 Aug 2019 15:20

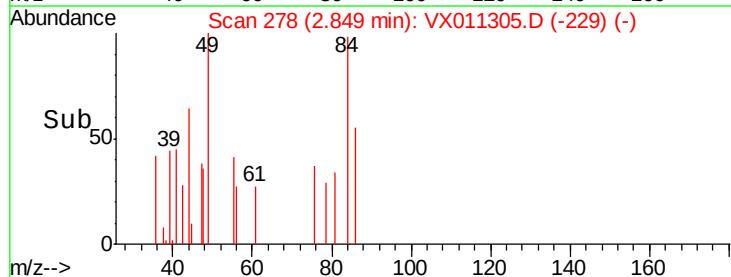
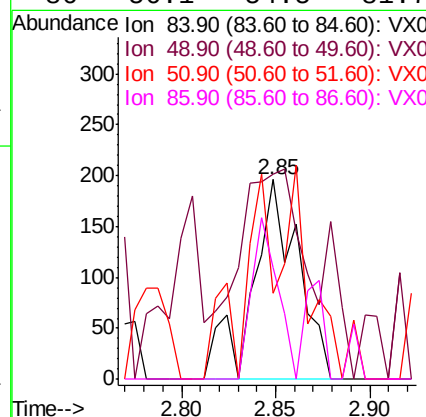
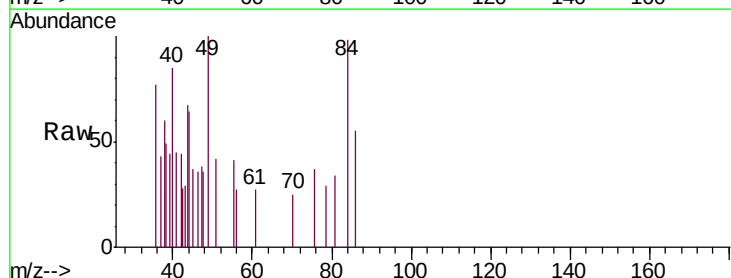
Instrument :
MSVOA_N
ClientSampled :
Z3-0683

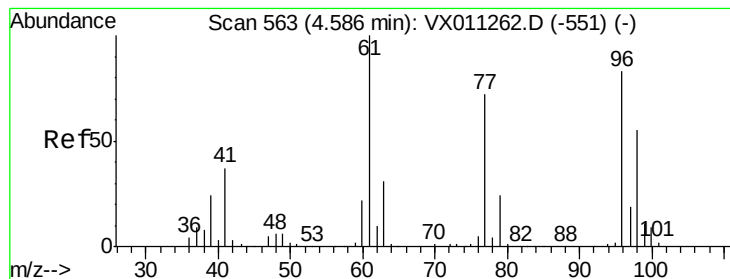
Tgt Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
58 41.1 27.4 41.0#



#20
Methylene Chloride
Concen: 0.214 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011305.D
Acq: 02 Aug 2019 15:20

Tgt Ion: 84 Resp: 329
Ion Ratio Lower Upper
84 100
49 66.3 89.3 133.9#
51 42.9 28.3 42.5#
86 56.1 54.5 81.7



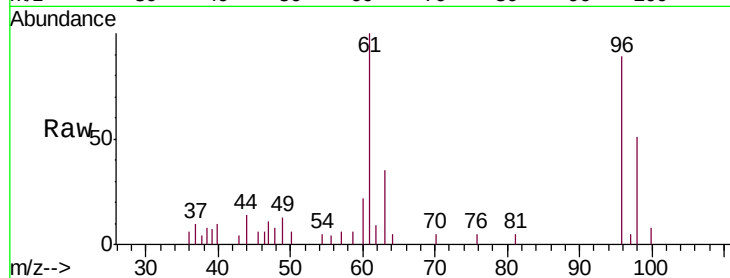


#27

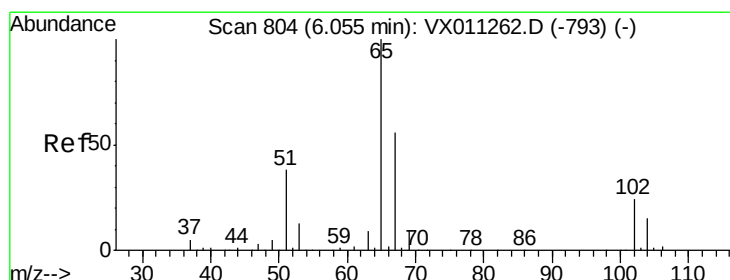
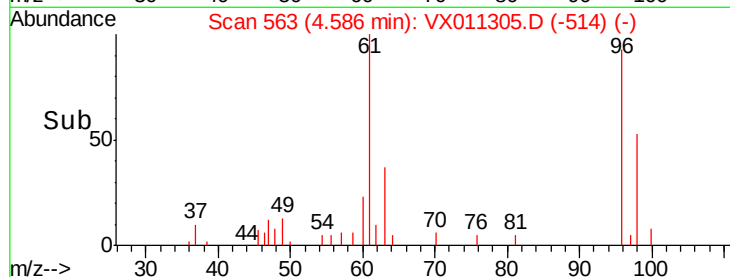
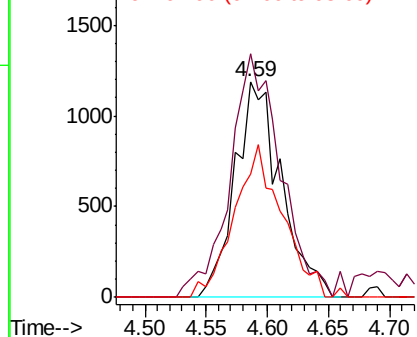
cis-1,2-Dichloroethene
 Concen: 1.920 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011305.D
 Acq: 02 Aug 2019 15:20

Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0683

Tgt Ion: 96 Resp: 3111
 Ion Ratio Lower Upper
 96 100
 61 123.7 0.0 260.2
 98 73.5 0.0 133.2



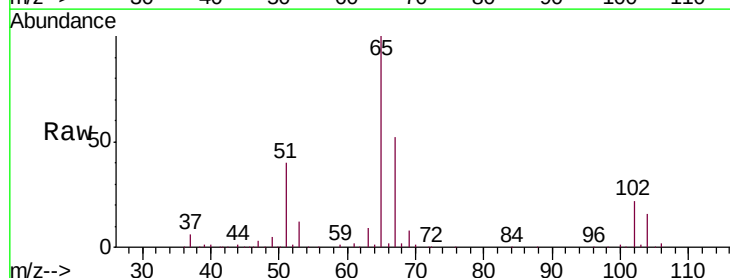
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



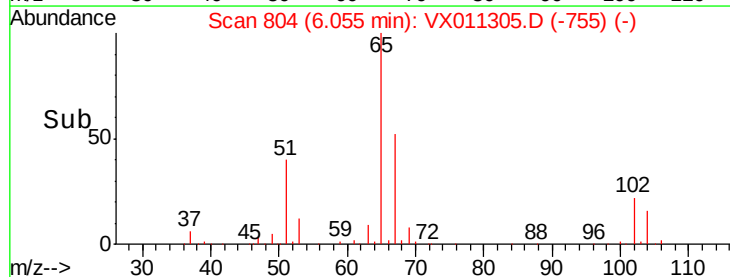
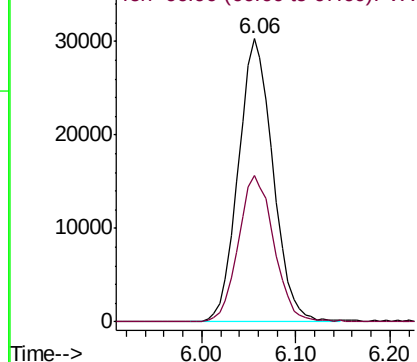
#33

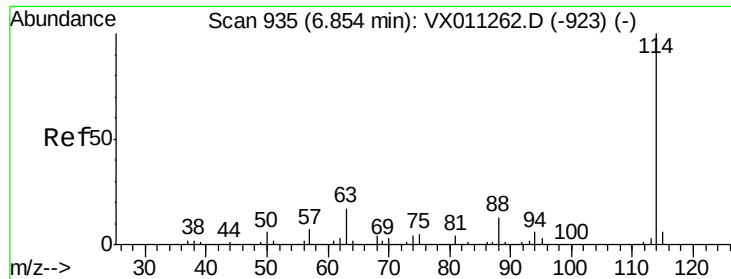
1,2-Dichloroethane-d4
 Concen: 52.861 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011305.D
 Acq: 02 Aug 2019 15:20

Tgt Ion: 65 Resp: 77811
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

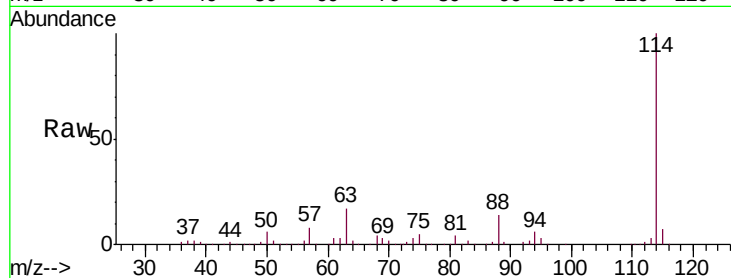




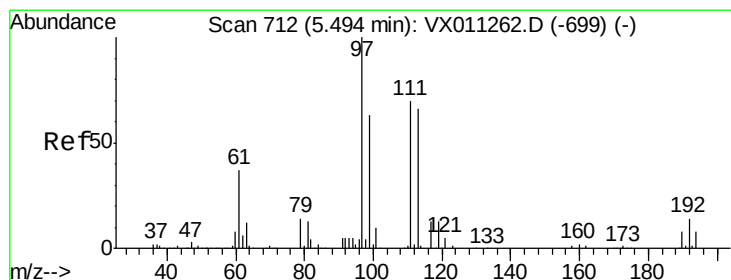
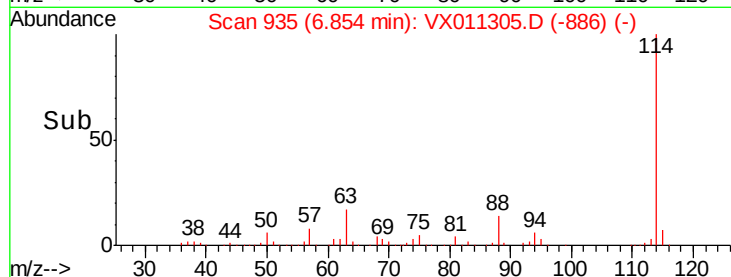
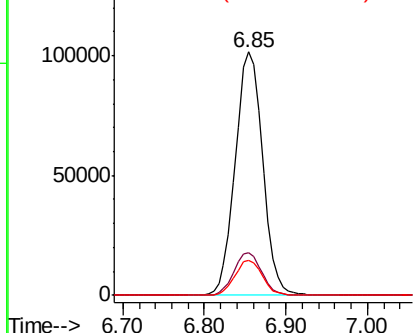
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011305.D
 Acq: 02 Aug 2019 15:20

Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0683

Tgt Ion:114 Resp: 236274
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.0
 88 14.2 0.0 26.4

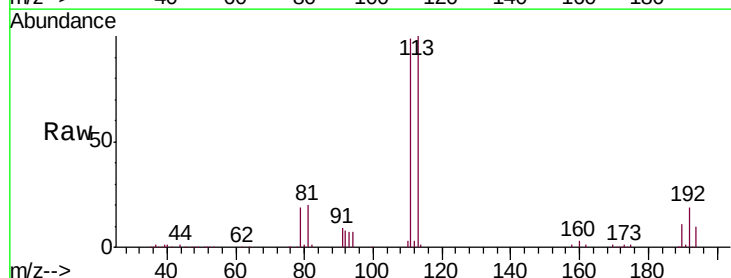


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

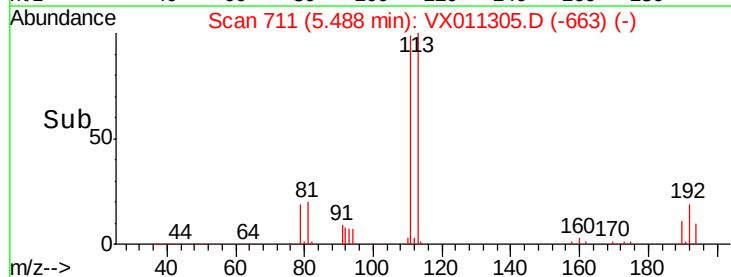
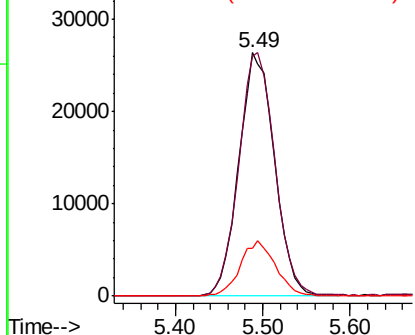


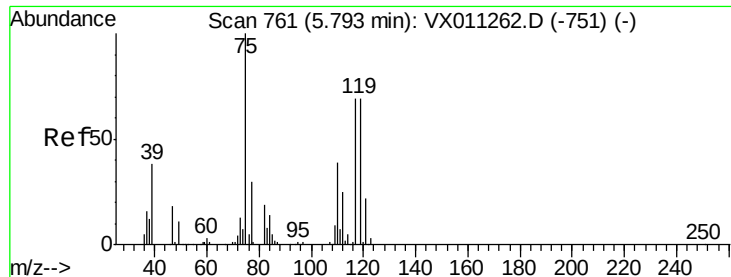
#35
 Dibromofluoromethane
 Concen: 48.538 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011305.D
 Acq: 02 Aug 2019 15:20

Tgt Ion:113 Resp: 74874
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.9 122.9
 192 22.4 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

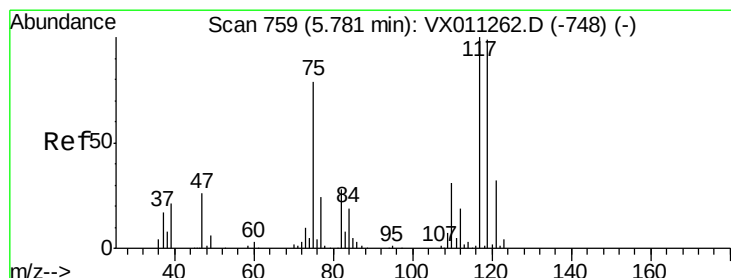
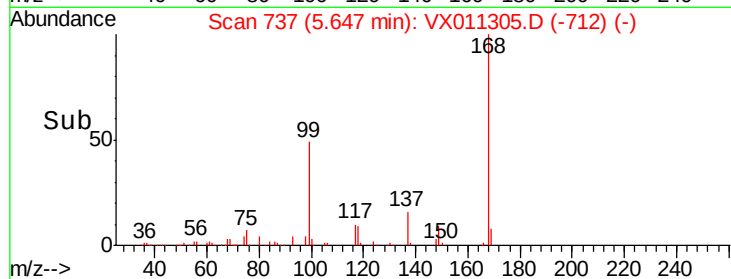
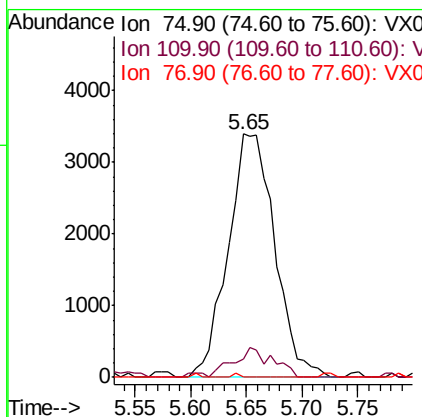
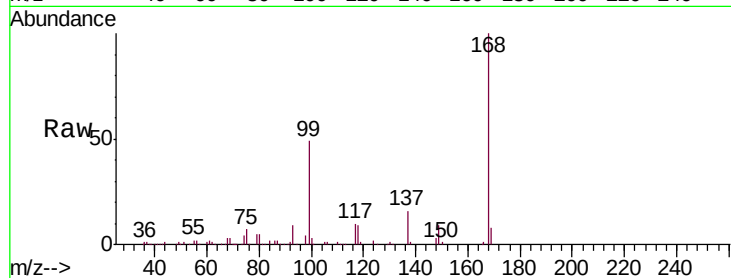




#36
 1,1-Dichloropropene
 Concen: 4.792 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011305.D
 Acq: 02 Aug 2019 15:20

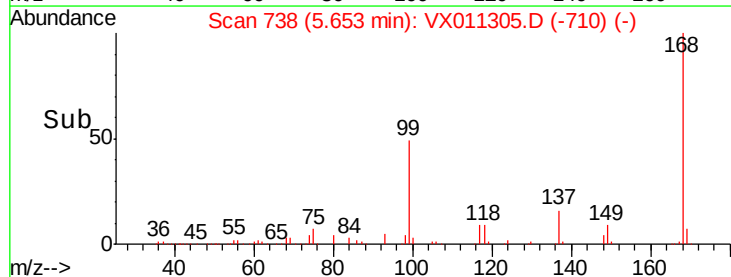
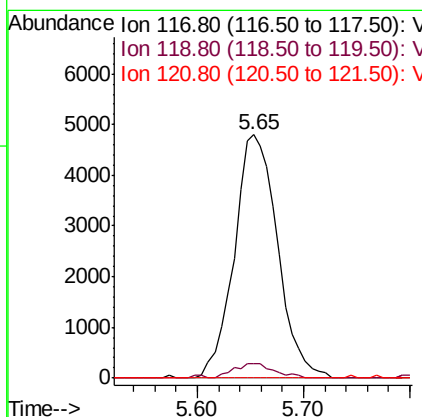
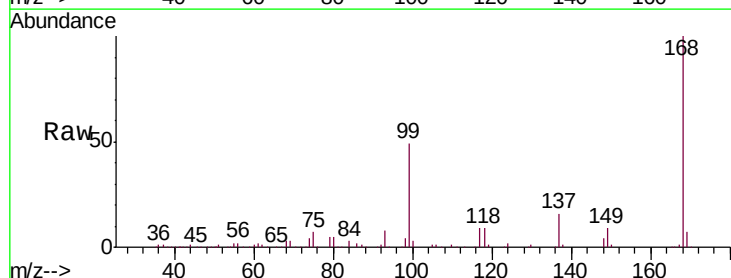
Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0683

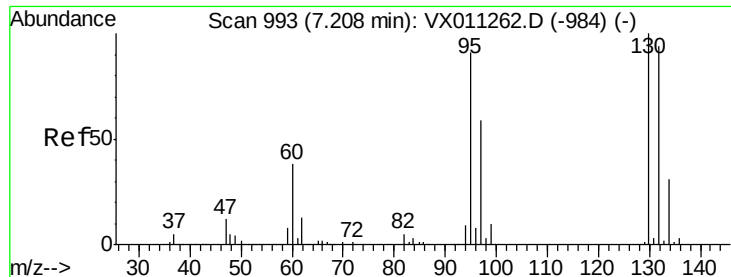
Tgt Ion: 75 Resp: 9885
 Ion Ratio Lower Upper
 75 100
 110 10.1 20.0 59.9#
 77 0.2 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.581 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011305.D
 Acq: 02 Aug 2019 15:20

Tgt Ion: 117 Resp: 13658
 Ion Ratio Lower Upper
 117 100
 119 5.7 79.0 118.4#
 121 0.0 25.9 38.9#





#44

Trichloroethene

Concen: 0.435 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

Instrument :

MSVOA_N

ClientSampled :

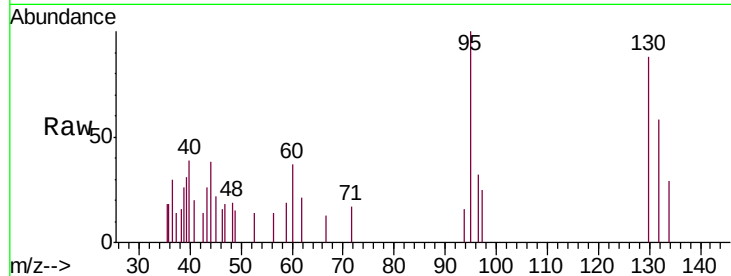
Z3-0683

Tgt Ion: 130 Resp: 810

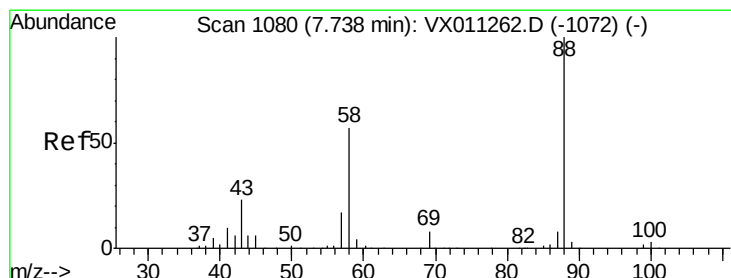
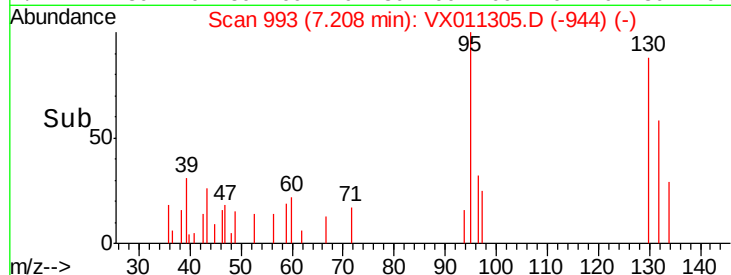
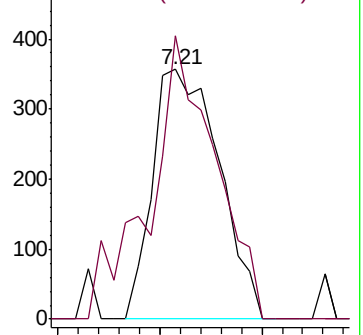
Ion Ratio Lower Upper

130 100

95 113.2 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 0.510 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.08 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

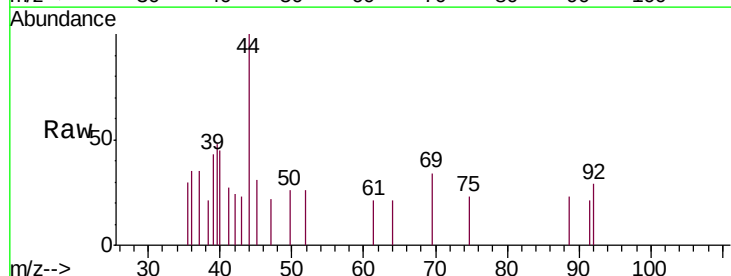
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.2#

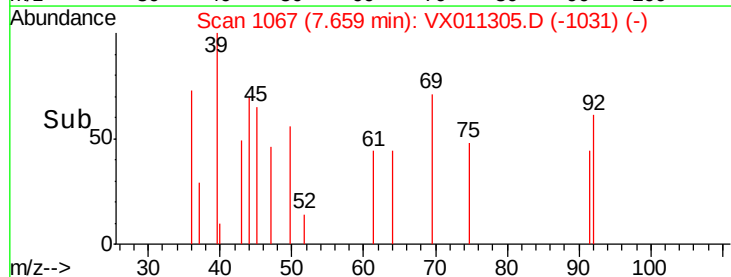
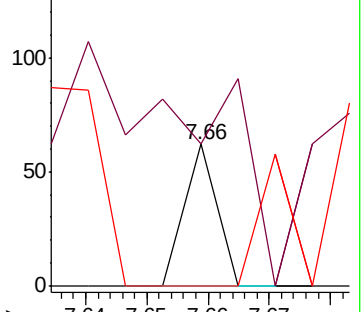
58 0.0 47.8 71.8#

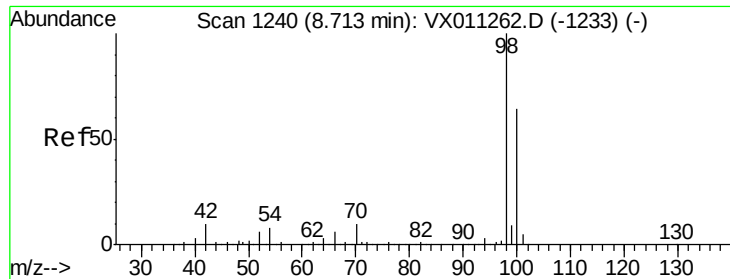


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.395 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

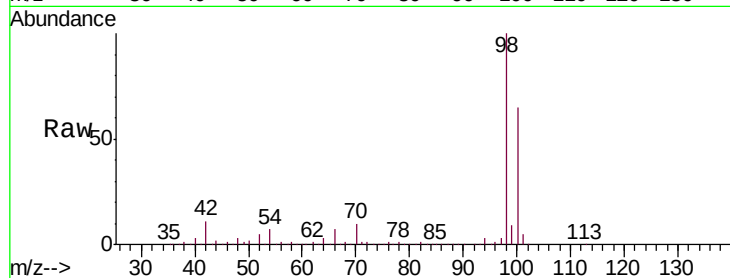
Z3-0683

Tgt Ion: 98 Resp: 287617

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

200000

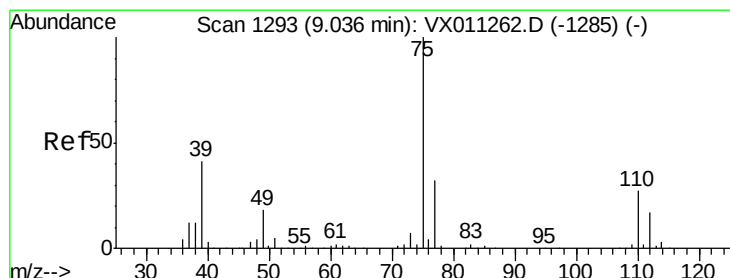
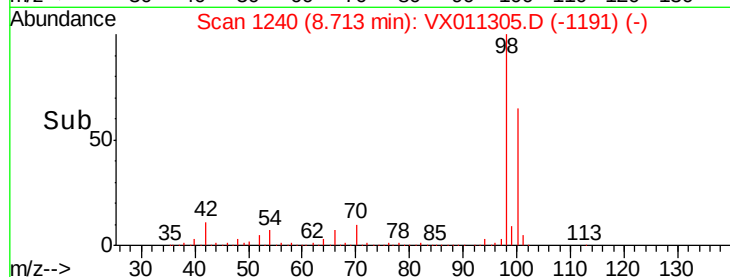
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#53

t-1,3-Dichloropropene

Concen: 2.857 ug/l

RT: 9.06 min Scan# 1297

Delta R.T. 0.02 min

Lab File: VX011305.D

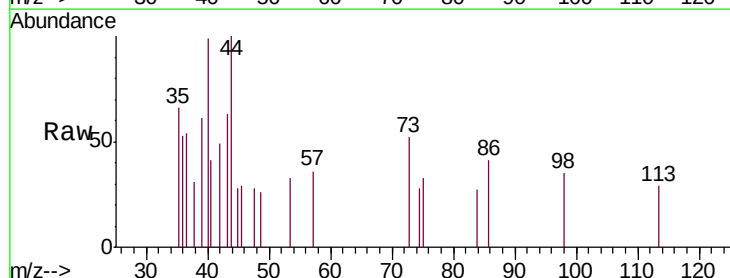
Acq: 02 Aug 2019 15:20

Tgt Ion: 75 Resp: 46

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

100

80

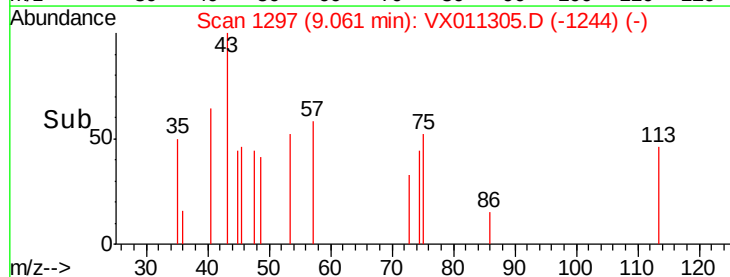
60

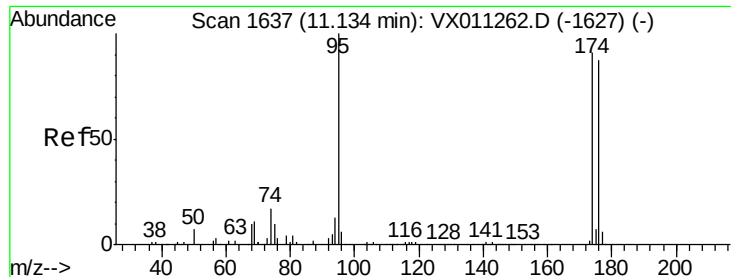
40

20

0

Time--> 9.04 9.06 9.08





#62

4-Bromofluorobenzene

Concen: 46.779 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

Z3-0683

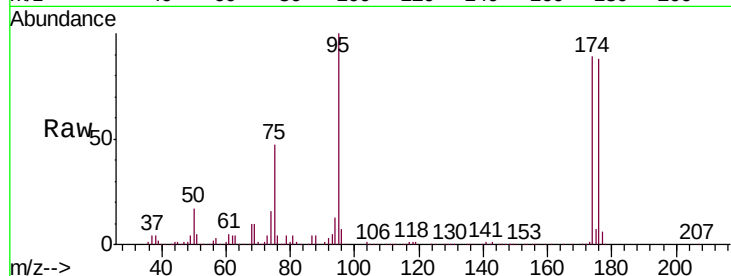
Tgt Ion: 95 Resp: 97248

Ion Ratio Lower Upper

95 100

174 93.4 0.0 191.2

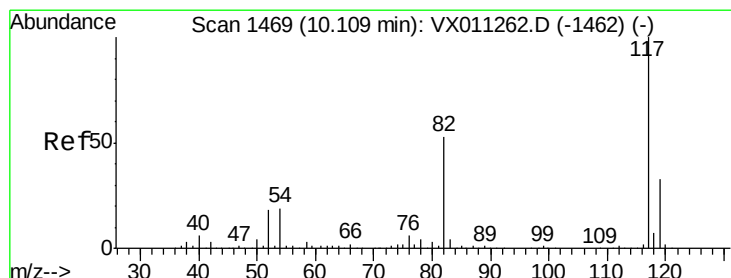
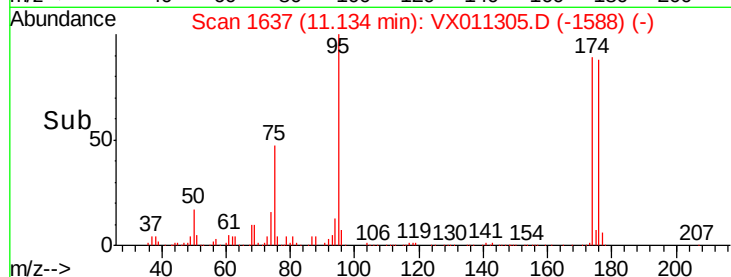
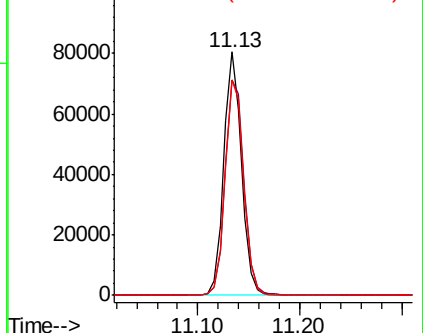
176 91.5 0.0 184.8



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: VX011305.D

Acq: 02 Aug 2019 15:20

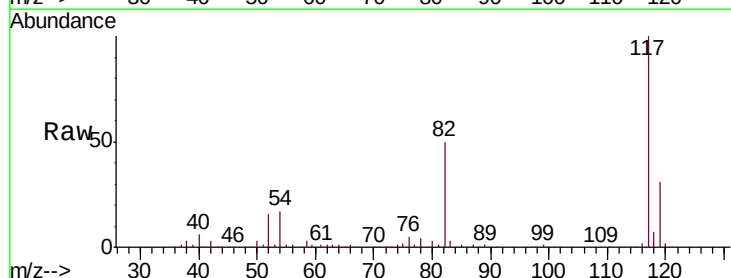
Tgt Ion: 117 Resp: 224816

Ion Ratio Lower Upper

117 100

82 50.4 42.2 63.2

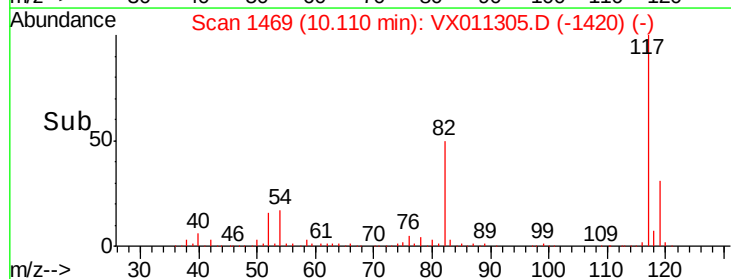
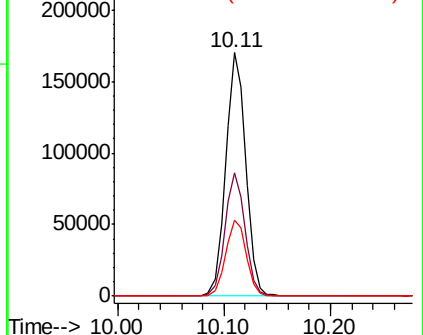
119 31.4 26.6 39.8

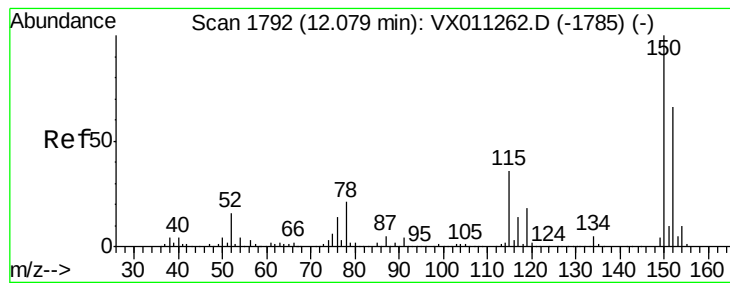


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

Z3-0683

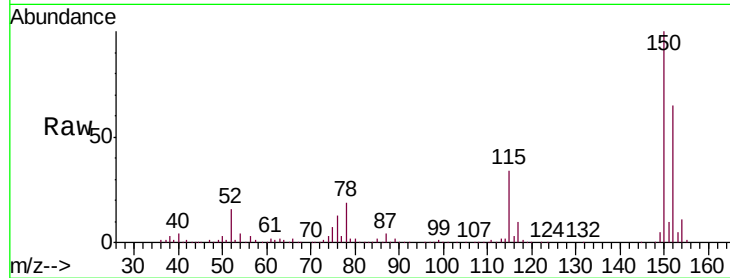
Tgt Ion:152 Resp: 102066

Ion Ratio Lower Upper

152 100

115 54.6 40.0 119.9

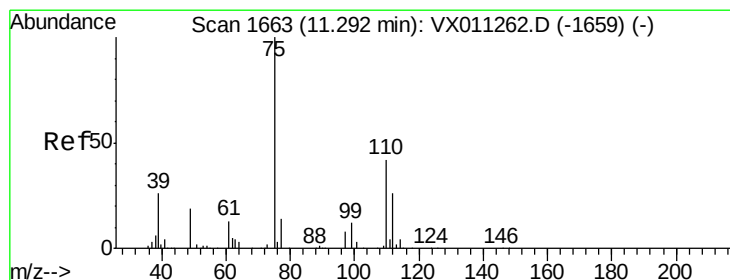
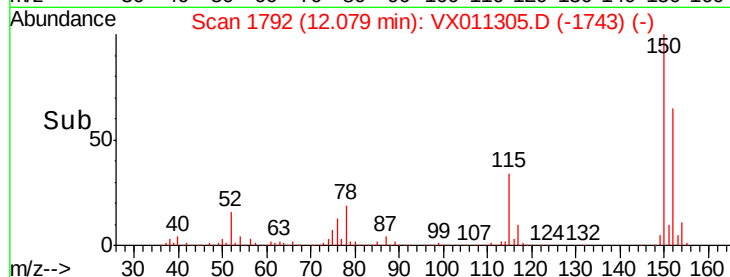
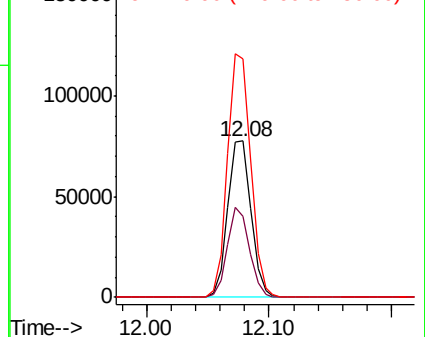
150 155.8 0.0 350.4



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: 25.315 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011305.D

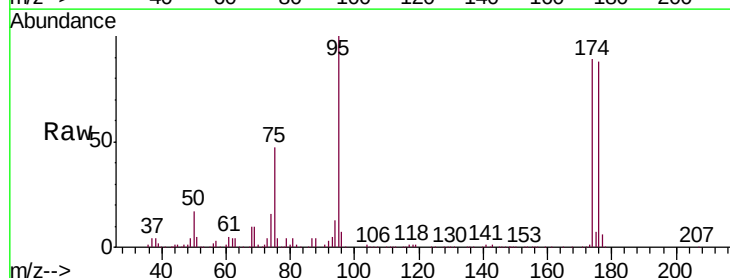
Acq: 02 Aug 2019 15:20

Tgt Ion: 75 Resp: 47054

Ion Ratio Lower Upper

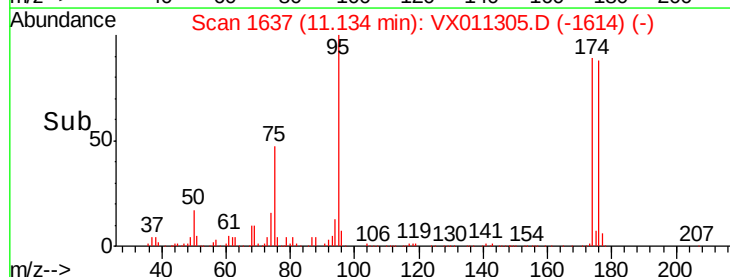
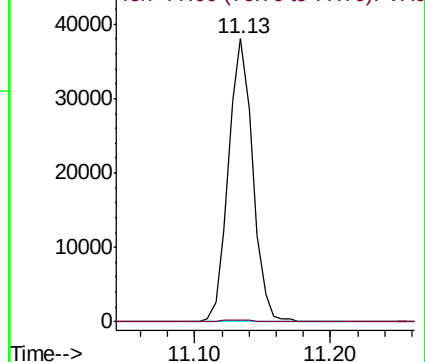
75 100

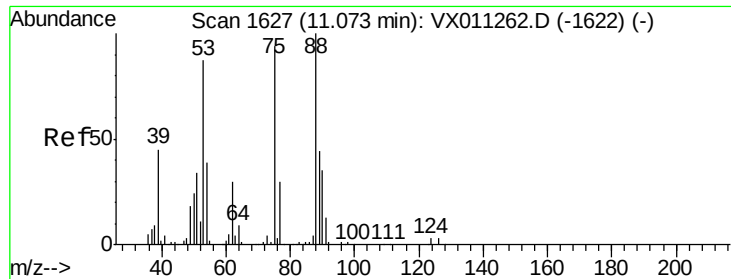
77 1.1 21.1 63.4#



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: 66.004 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011305.D

Acq: 02 Aug 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

Z3-0683

Tgt Ion: 75 Resp: 47054

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.2 37.9 56.9#

