

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013630.D
 Acq On : 27 Nov 2019 04:15
 Operator : JC/SP
 Sample : K5968-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPRING-20191121

Quant Time: Nov 27 06:22:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	653111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1035970	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	919930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	408381	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	379161	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	5.48	113	312091	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
50) Toluene-d8	8.71	98	1232029	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.14	95	413936	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

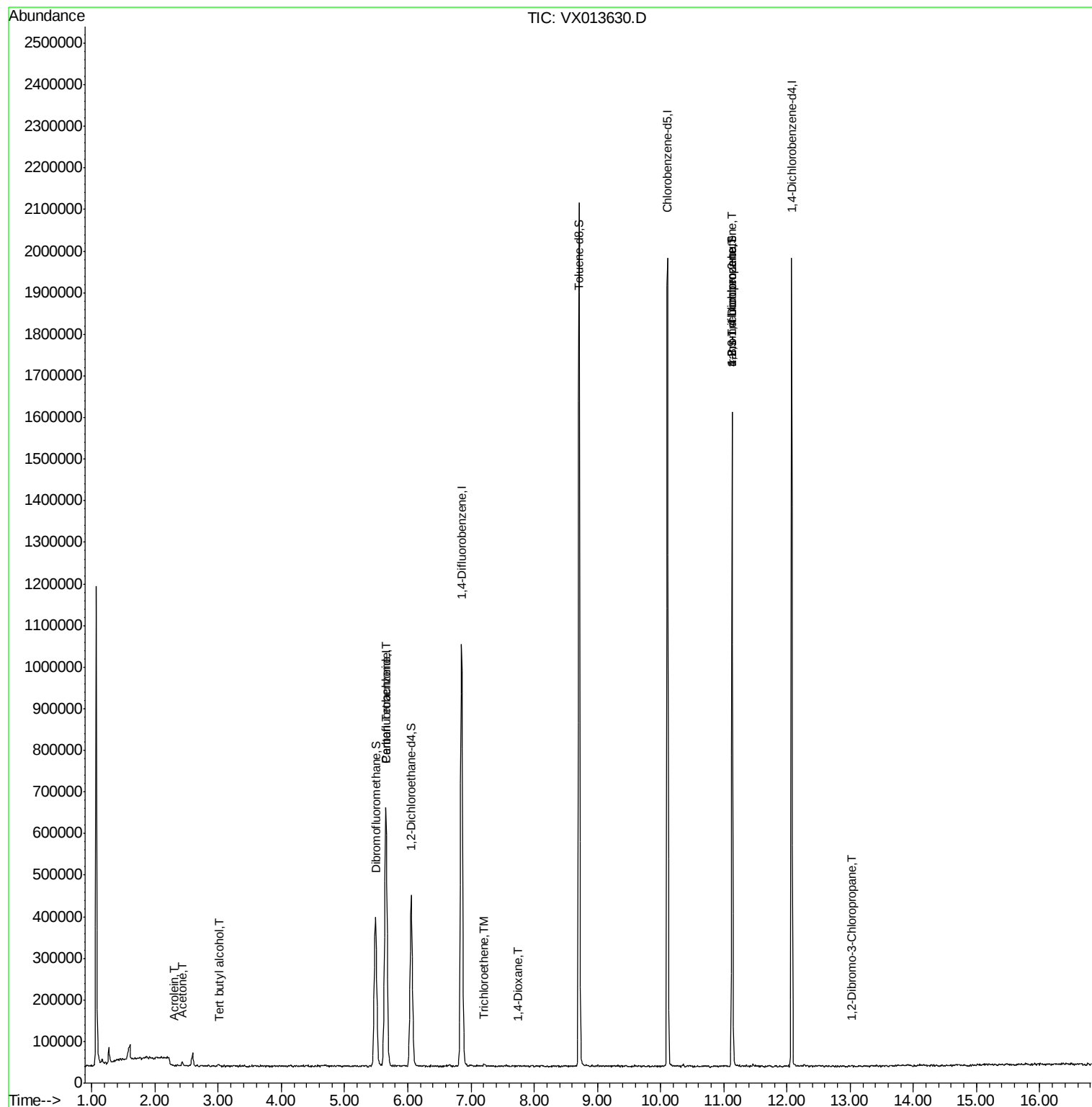
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	1000	0.534	ug/l #	30
13) Acrolein	2.31	56	143	6.115	ug/l #	11
16) Acetone	2.43	43	10842	2.897	ug/l	99
38) Carbon Tetrachloride	5.65	117	55952	6.453	ug/l #	16
44) Trichloroethene	7.20	130	2217	0.282	ug/l	70
49) 1,4-Dioxane	7.74	88	388	2.054	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	198582	21.620	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	198582	59.148	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.03	75	522	0.241	ug/l #	8

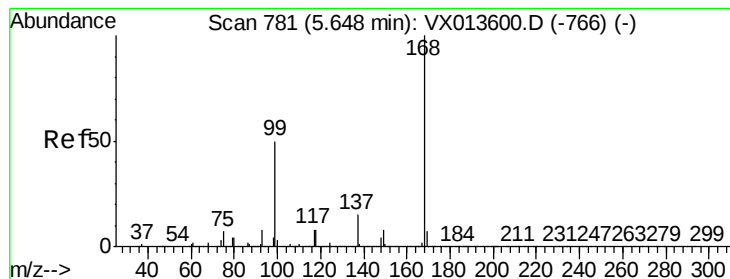
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

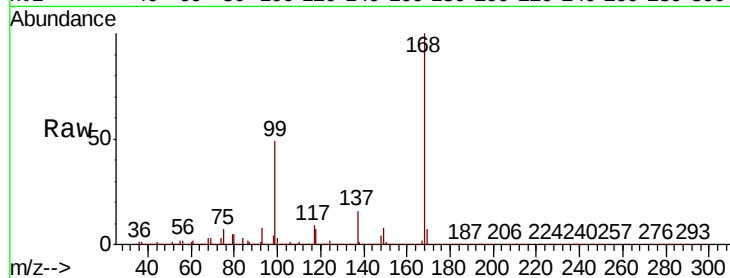
SPRING-20191121

Tot Ion:168 Resp: 653111

Ion Ratio Lower Upper

168 100

99 49.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

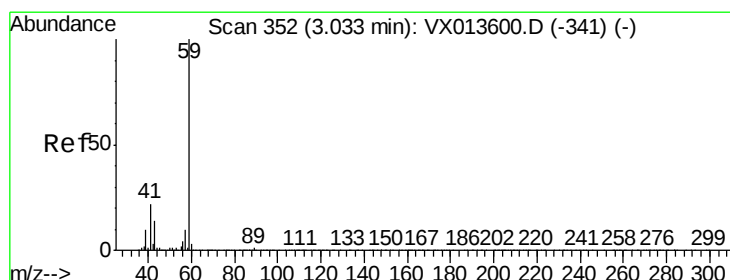
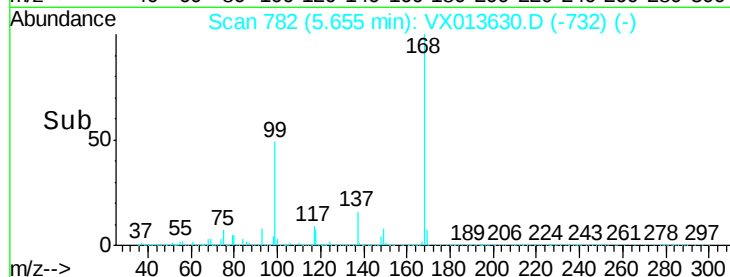
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.534 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013630.D

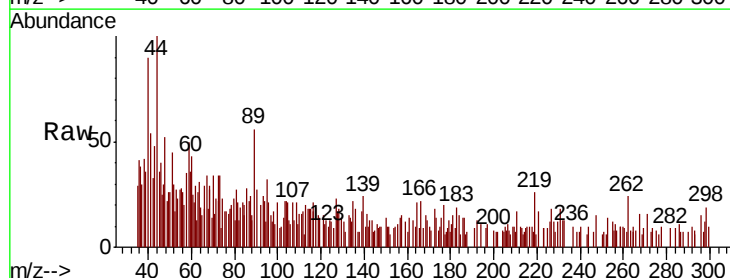
Acq: 27 Nov 2019 04:15

Tgt Ion: 59 Resp: 1000

Ion Ratio Lower Upper

59 100

57 35.4 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

800

600

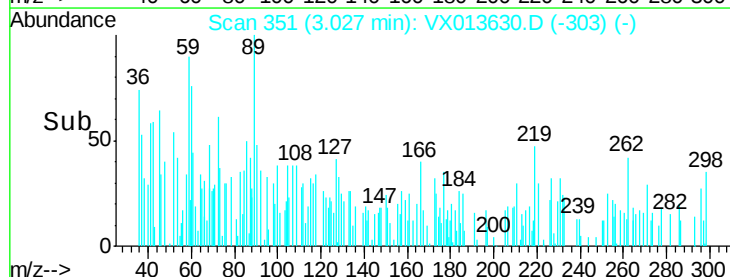
400

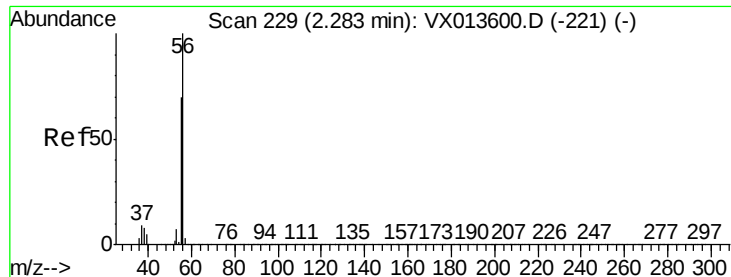
200

0

Time-->

3.00 3.02 3.04 3.06





#13

Acrolein

Concen: 6.115 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

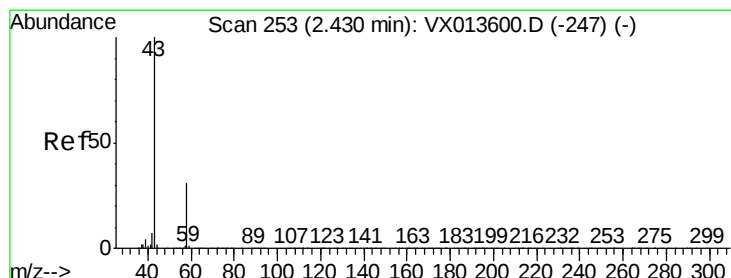
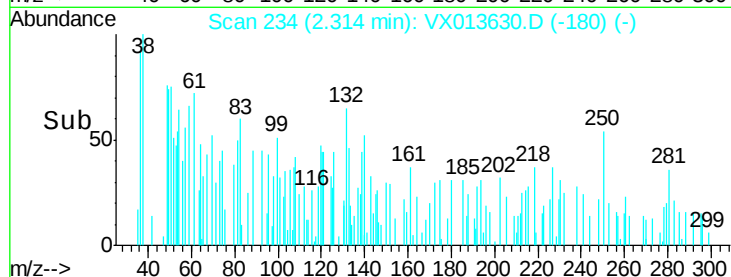
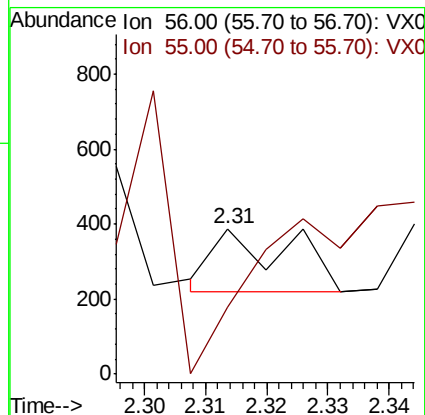
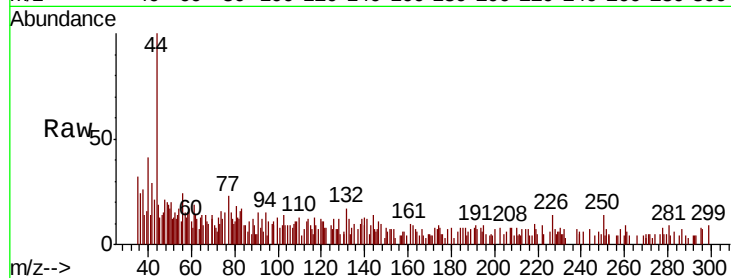
SPRING-20191121

Tot Ion: 56 Resp: 143

Ion Ratio Lower Upper

56 100

55 143.4 56.2 84.4#



#16

Acetone

Concen: 2.897 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013630.D

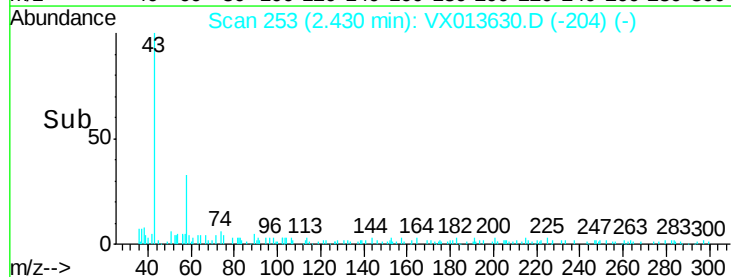
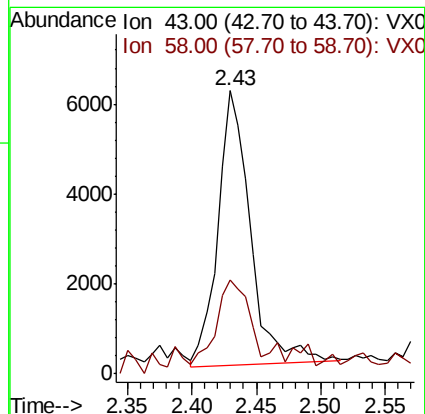
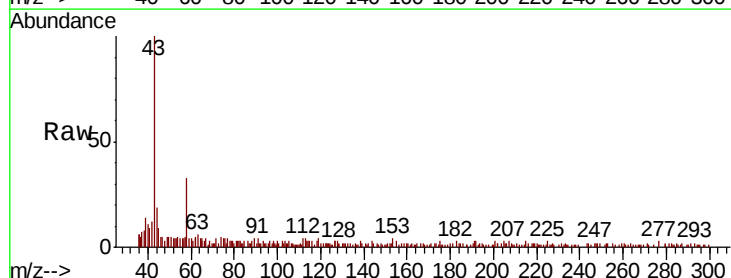
Acq: 27 Nov 2019 04:15

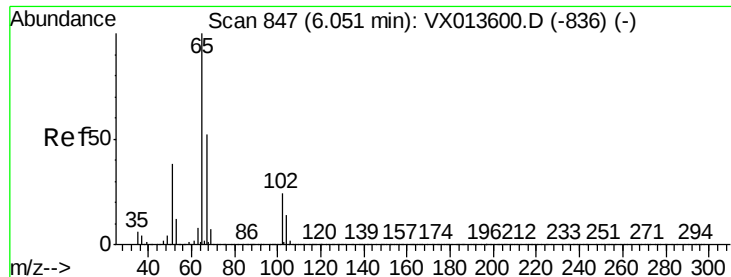
Tgt Ion: 43 Resp: 10842

Ion Ratio Lower Upper

43 100

58 31.3 24.6 36.8





#33

1,2-Dichloroethane-d4

Concen: 50.014 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

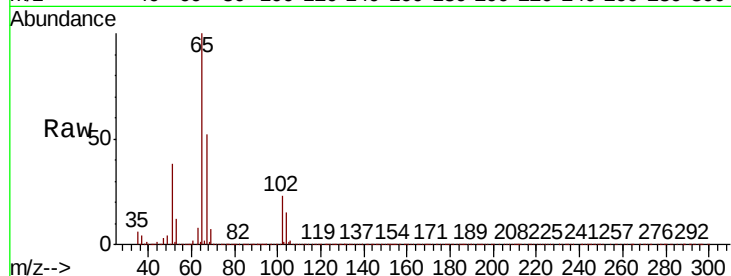
SPRING-20191121

Tot Ion: 65 Resp: 379161

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

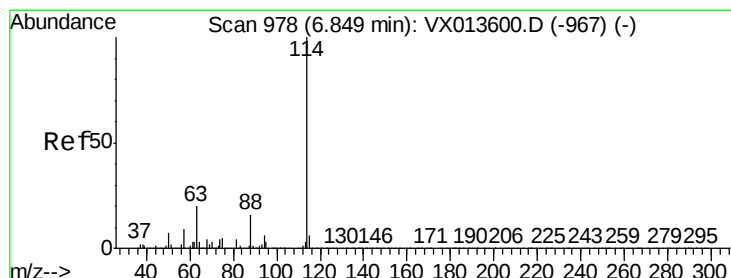
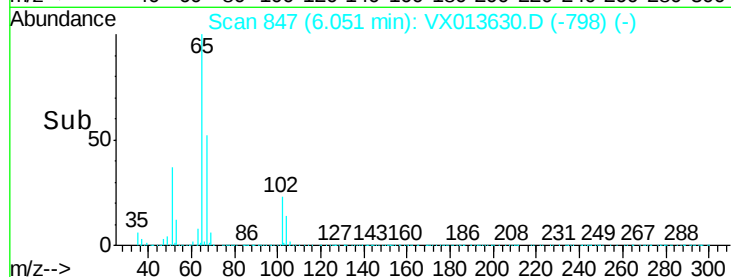
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

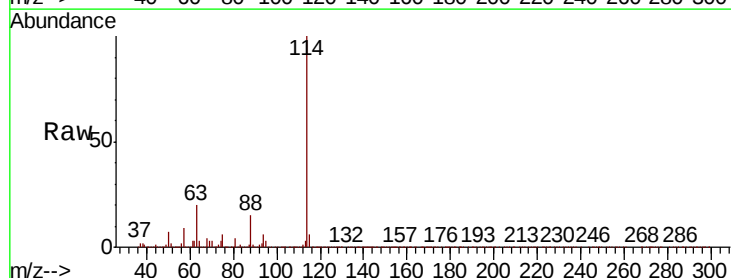
Tgt Ion: 114 Resp: 1035970

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 14.9 0.0 31.4



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

6.85

600000

500000

400000

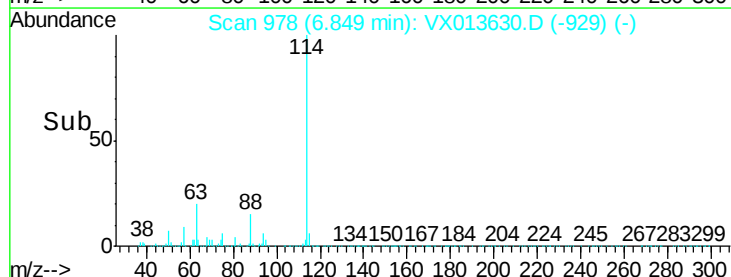
300000

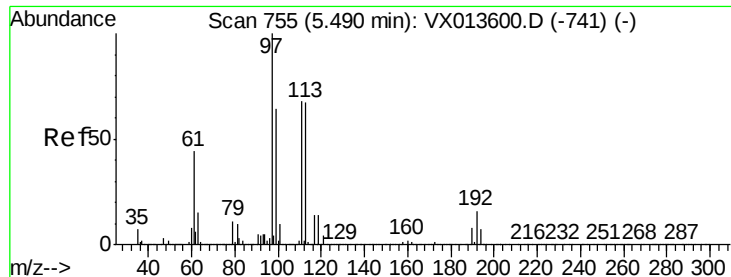
200000

100000

0

Time--> 6.70 6.80 6.90 7.00

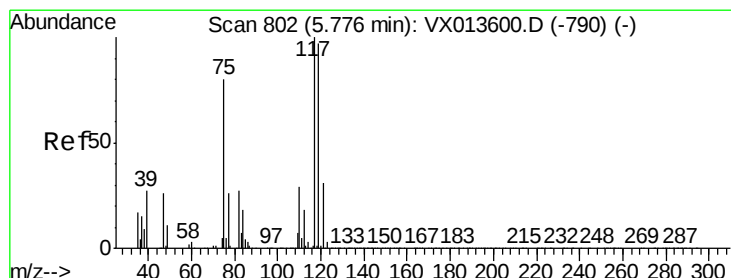
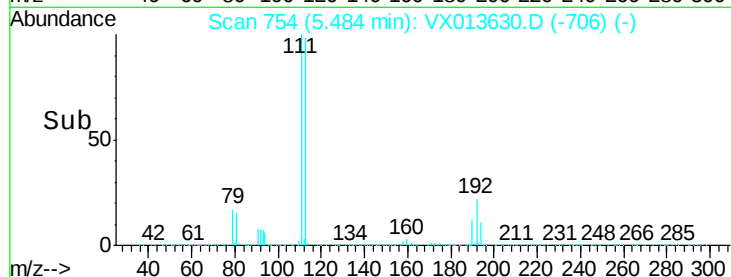
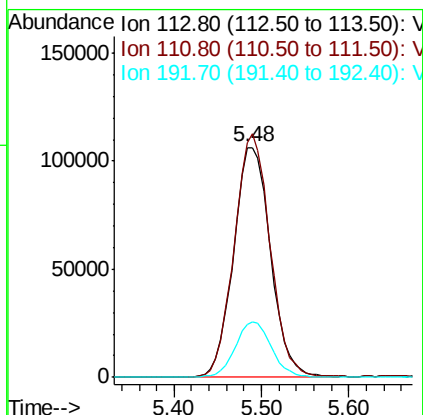
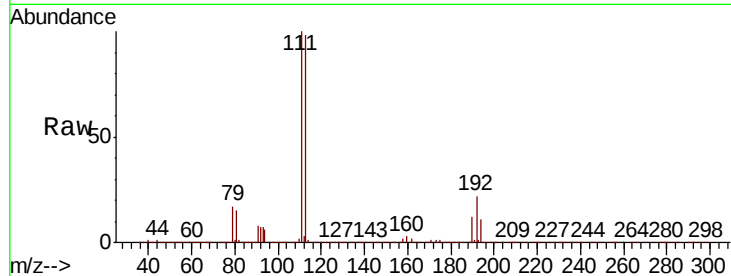




#35
Dibromofluoromethane
Concen: 48.730 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013630.D
Acq: 27 Nov 2019 04:15

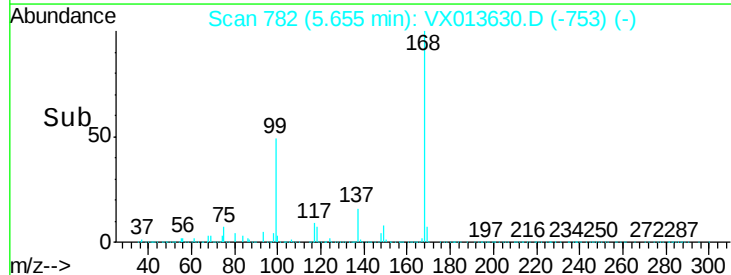
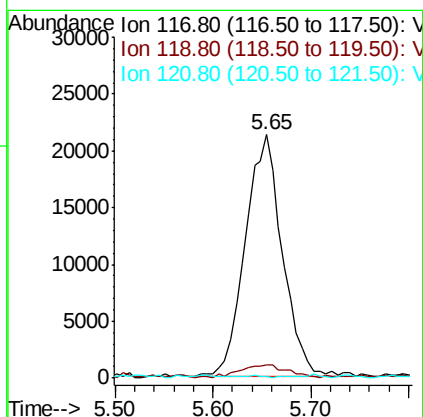
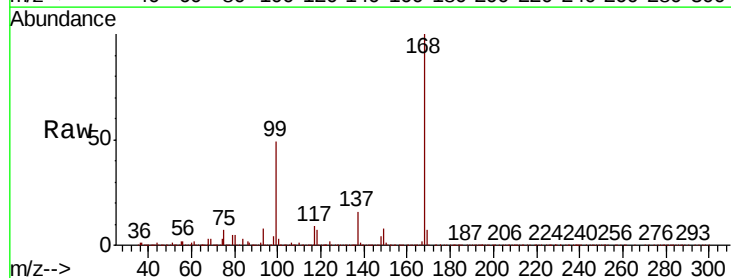
Instrument :
MSVOA_X
ClientSampleId :
SPRING-20191121

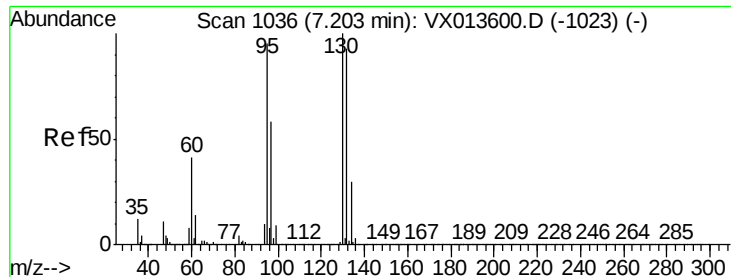
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.6	125.4
192	23.5	19.2	28.8



#38
Carbon Tetrachloride
Concen: 6.453 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013630.D
Acq: 27 Nov 2019 04:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.5	116.3#
121	0.7	25.0	37.6#





#44

Trichloroethene

Concen: 0.282 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

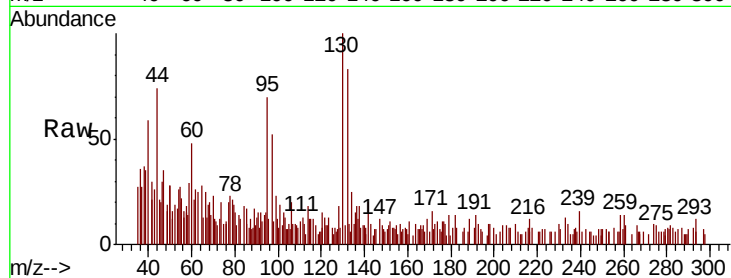
SPRING-20191121

Tot Ion:130 Resp: 2217

Ion Ratio Lower Upper

130 100

95 66.5 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

1500

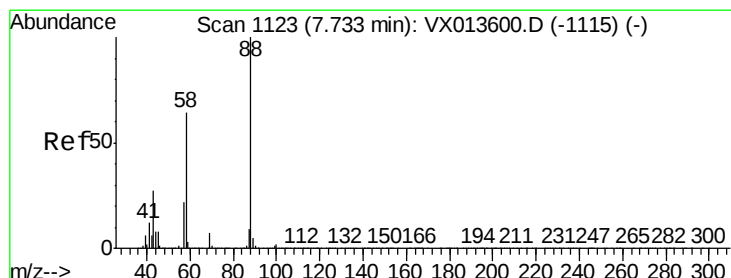
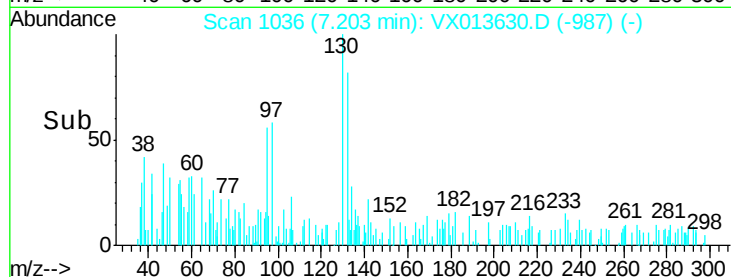
1000

500

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 2.054 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

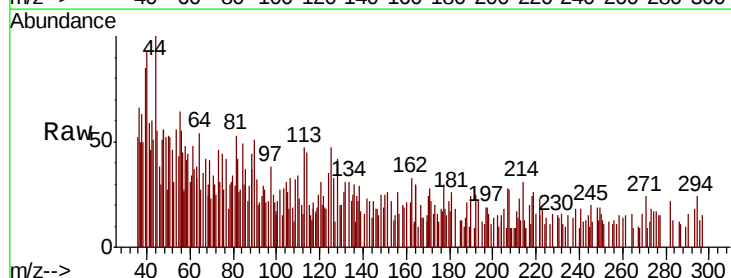
Tgt Ion: 88 Resp: 388

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 132.5 54.6 82.0#



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

1000

800

600

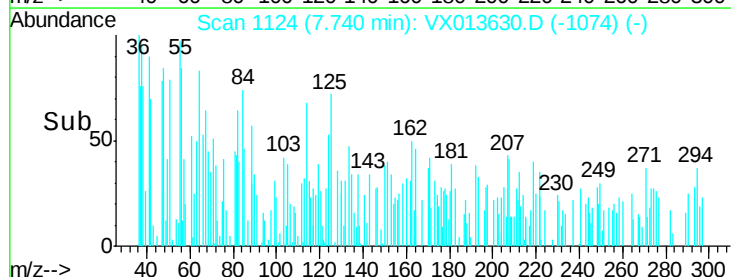
400

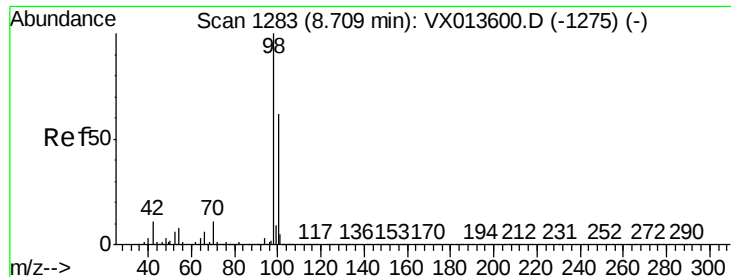
200

0

7.72 7.74 7.76 7.78

Time-->

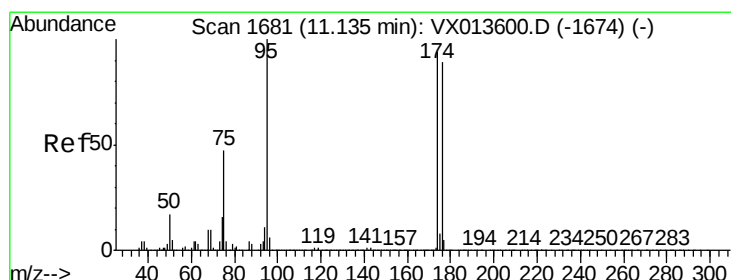
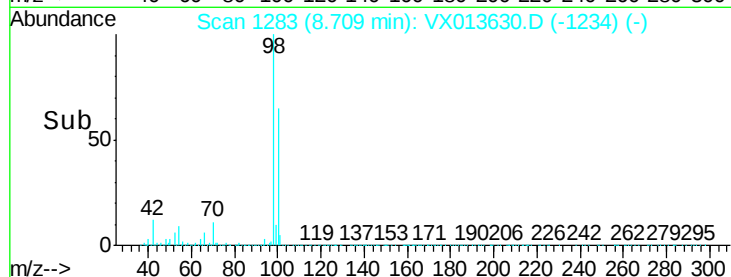
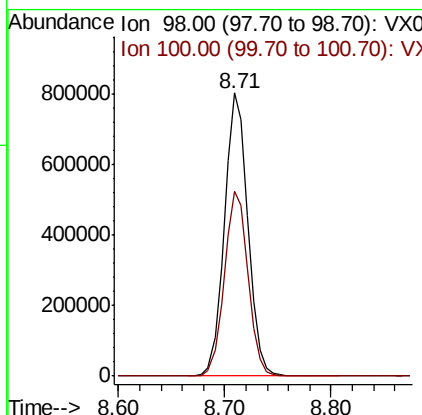
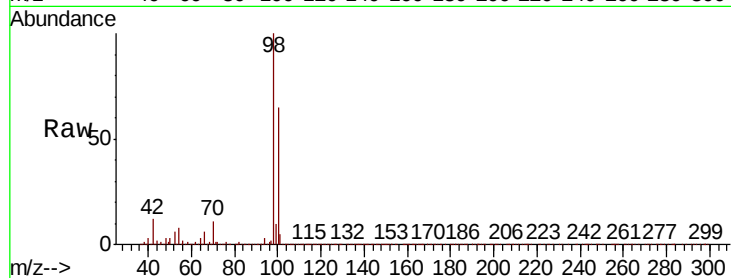




#50
Toluene-d8
Concen: 49.375 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013630.D
Acq: 27 Nov 2019 04:15

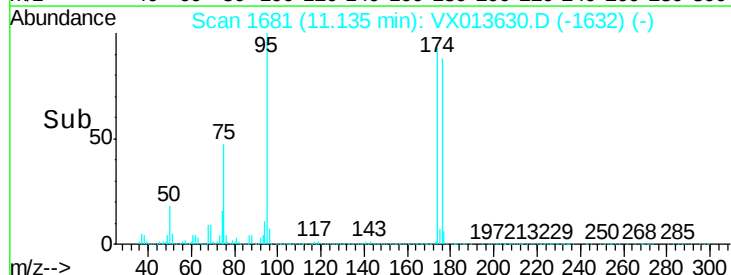
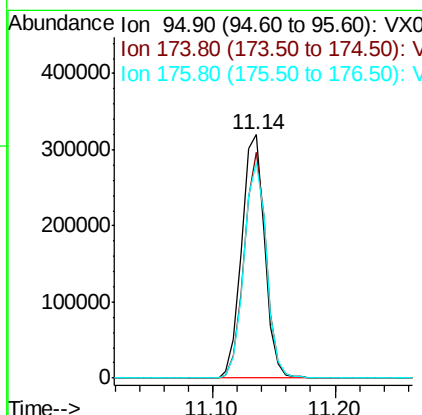
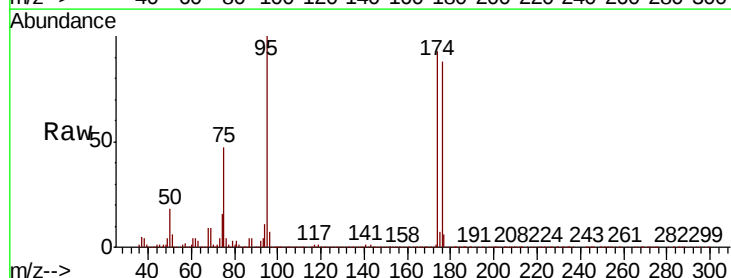
Instrument :
MSVOA_X
ClientSampleId :
SPRING-20191121

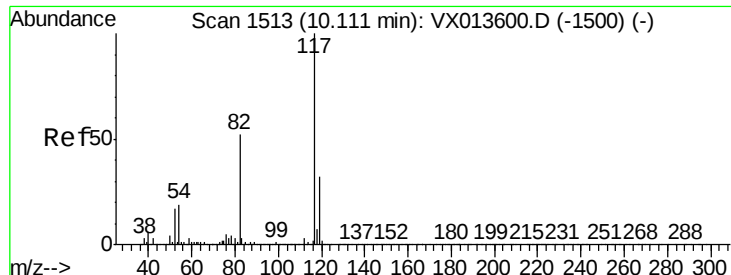
Tot Ion: 98 Resp: 1232029
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 46.003 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013630.D
Acq: 27 Nov 2019 04:15

Tgt Ion: 95 Resp: 413936
Ion Ratio Lower Upper
95 100
174 89.2 0.0 180.0
176 87.4 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

SPRING-20191121

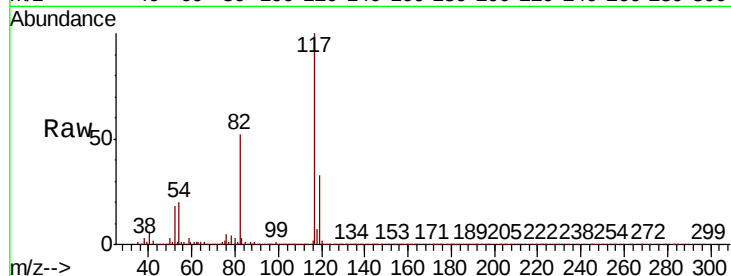
Tot Ion:117 Resp: 919930

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

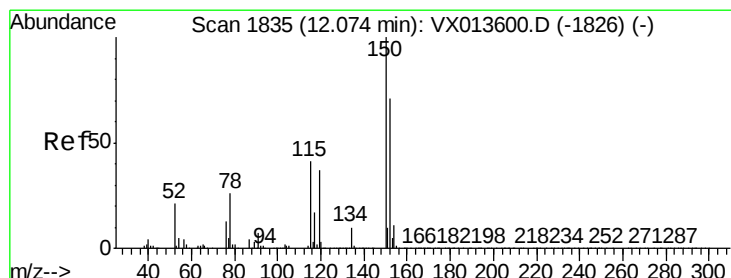
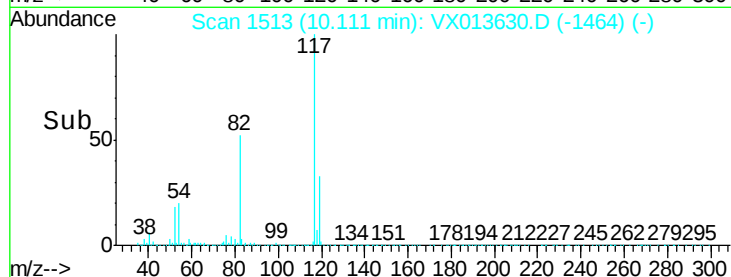
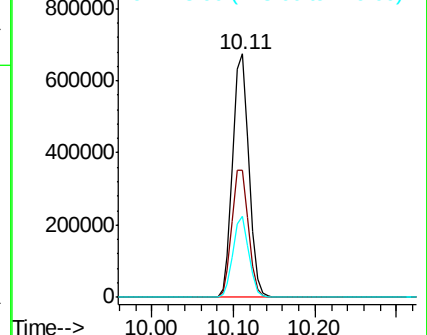
119 33.0 25.8 38.8



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# 1835

Delta R.T. -0.00 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

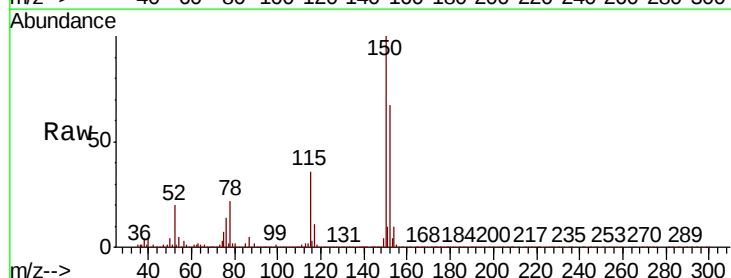
Tgt Ion:152 Resp: 408381

Ion Ratio Lower Upper

152 100

115 55.2 38.4 115.1

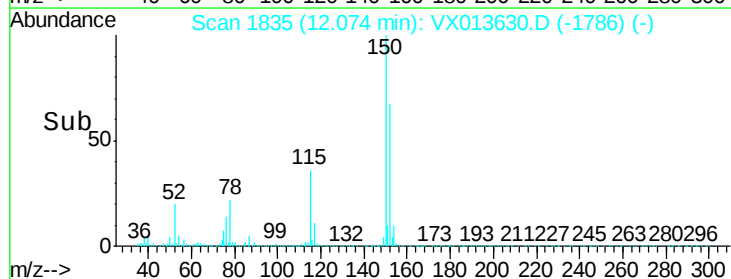
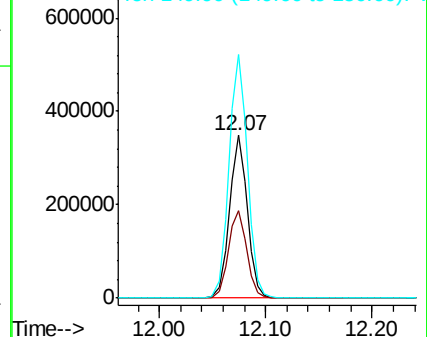
150 154.8 0.0 346.8

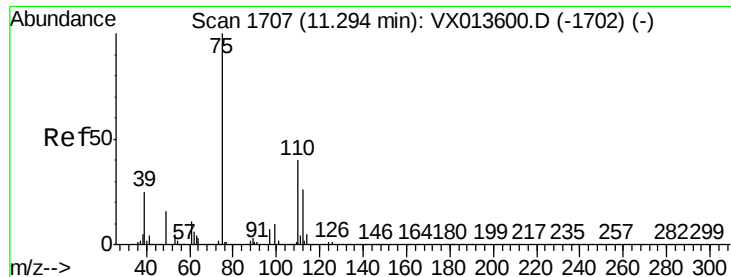


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.620 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

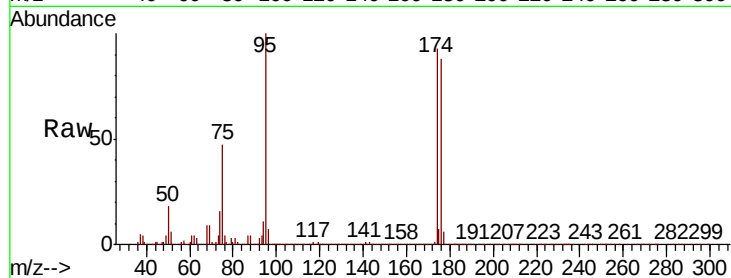
SPRING-20191121

Tot Ion: 75 Resp: 198582

Ion Ratio Lower Upper

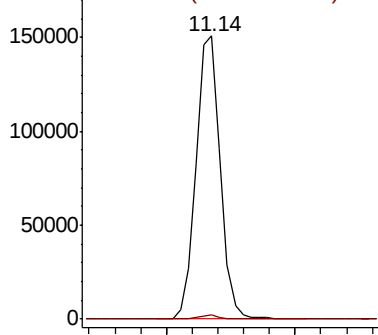
75 100

77 1.2 19.1 57.5#

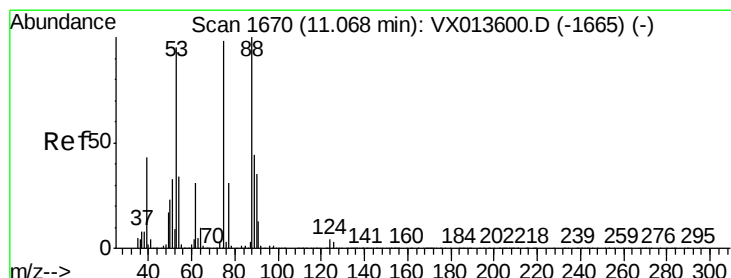
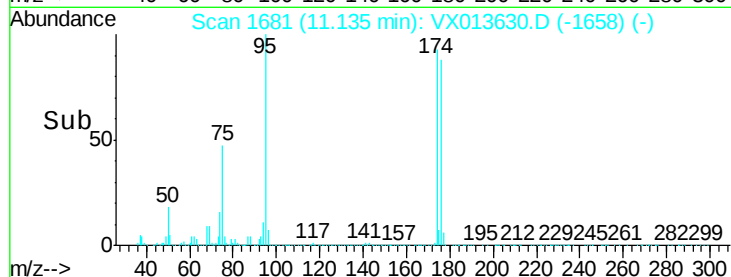


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.148 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

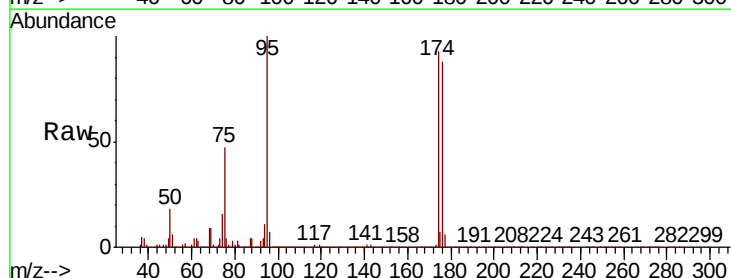
Tgt Ion: 75 Resp: 198582

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

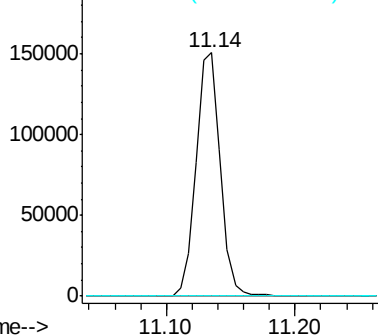
89 0.0 35.4 53.2#



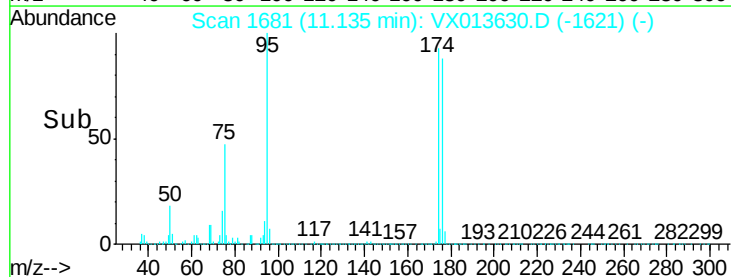
Abundance Ion 74.90 (74.60 to 75.60): VX0

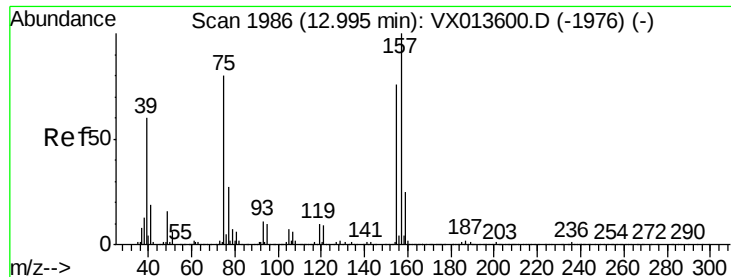
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.241 ug/l

RT: 13.03 min Scan# 1991

Delta R.T. 0.03 min

Lab File: VX013630.D

Acq: 27 Nov 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

SPRING-20191121

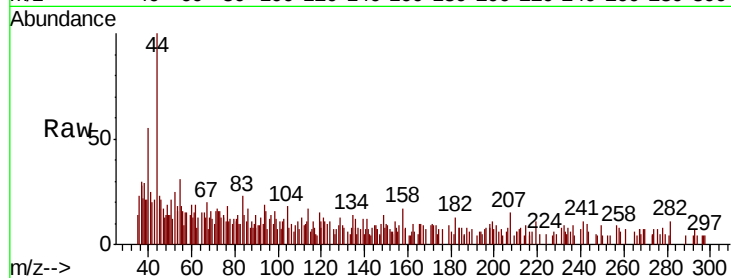
Tot Ion: 75 Resp: 522

Ion Ratio Lower Upper

75 100

155 28.7 47.6 142.8#

157 0.0 62.1 186.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

