

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015684.D
 Acq On : 15 Apr 2020 15:38
 Operator : JC/SP
 Sample : L2233-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW214-200409

Quant Time: Apr 16 05:52:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1070815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1679322	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1565833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	865890	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	654614	43.34	ug/l	0.00
Spiked Amount			Recovery	=	86.68%	
35) Dibromofluoromethane	5.47	113	503479	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
50) Toluene-d8	8.70	98	1978974	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.12	95	843378	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	

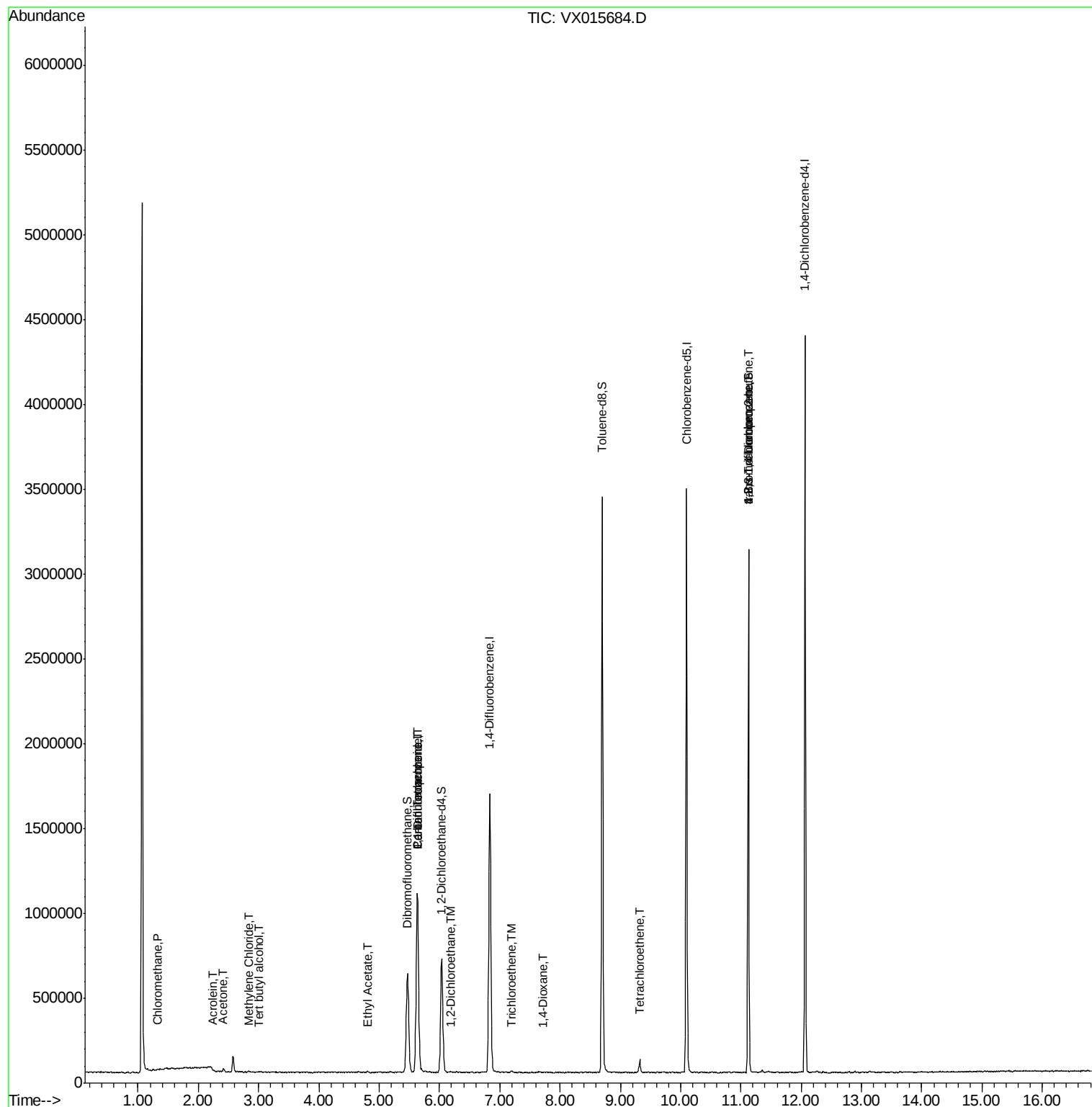
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2954	0.246	ug/l #	86
5) Bromomethane	1.64	94	1693	Below Cal	#	9
11) Tert butyl alcohol	3.01	59	2590	0.716	ug/l #	44
13) Acrolein	2.25	56	599	0.291	ug/l	90
16) Acetone	2.41	43	24228	3.734	ug/l #	89
20) Methylene Chloride	2.83	84	4359	0.360	ug/l #	70
36) 1,1-Dichloropropene	5.63	75	74584	4.820	ug/l #	54
37) Ethyl Acetate	4.81	43	8726	0.433	ug/l #	87
38) Carbon Tetrachloride	5.64	117	97594	5.823	ug/l #	14
42) 1,2-Dichloroethane	6.17	62	3774	0.207	ug/l	79
44) Trichloroethene	7.20	130	4988	0.404	ug/l	70
49) 1,4-Dioxane	7.71	88	327	1.032	ug/l #	1
64) Tetrachloroethene	9.32	164	18024	1.525	ug/l #	85
76) 1,2,3-Trichloropropane	11.12	75	422583	23.732	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	422583	56.944	ug/l #	10

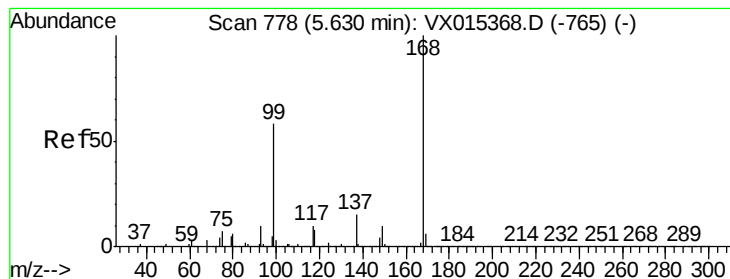
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041520\
Data File : VX015684.D
Acq On : 15 Apr 2020 15:38
Operator : JC/SP
Sample : L2233-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW214-200409

Quant Time: Apr 16 05:52:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 905

Delta R.T. 0.00 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

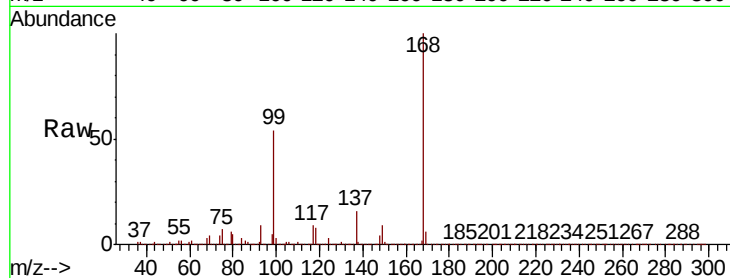
ST008MW214-200409

Tot Ion:168 Resp: 1070815

Ion Ratio Lower Upper

168 100

99 53.6 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

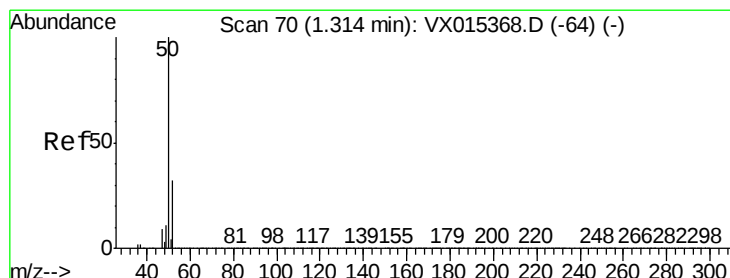
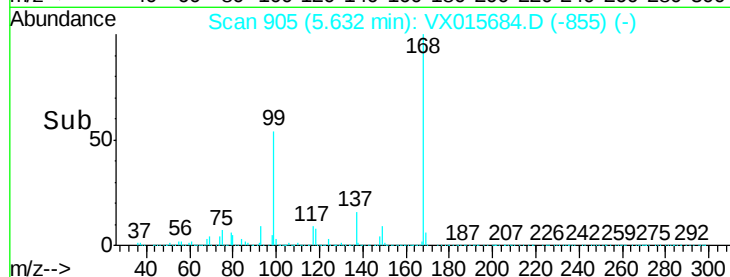
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.246 ug/l

RT: 1.32 min Scan# 197

Delta R.T. 0.00 min

Lab File: VX015684.D

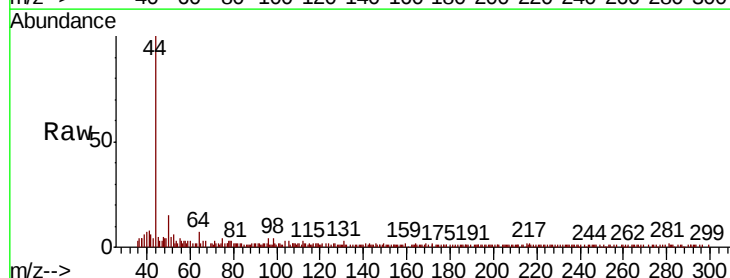
Acq: 15 Apr 2020 15:38

Tgt Ion: 50 Resp: 2954

Ion Ratio Lower Upper

50 100

52 23.9 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

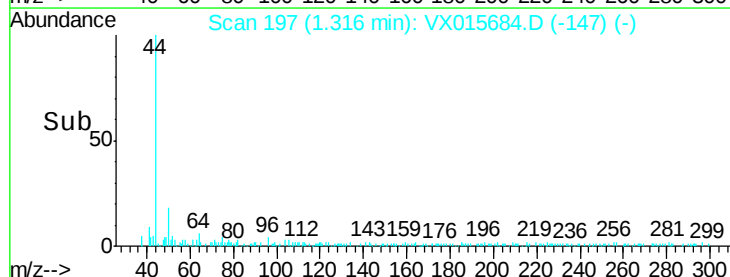
1500

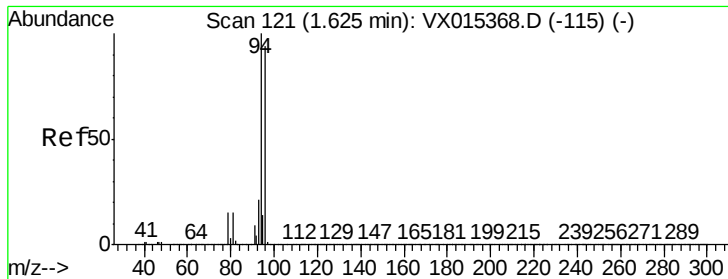
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 250

Delta R.T. 0.02 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

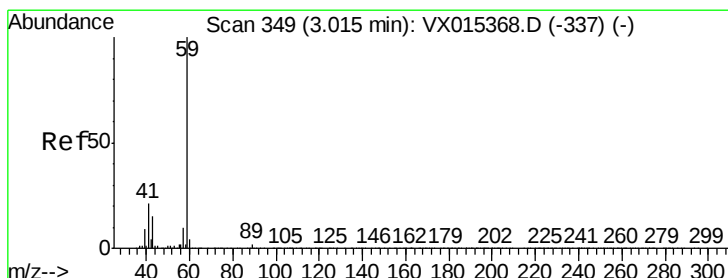
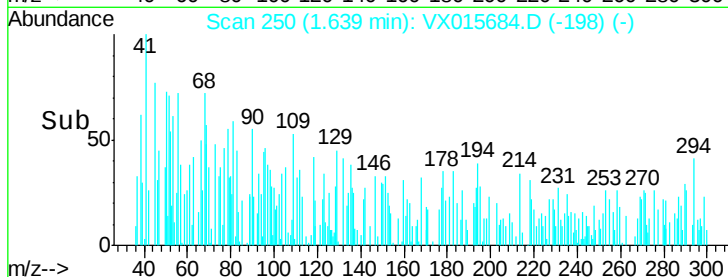
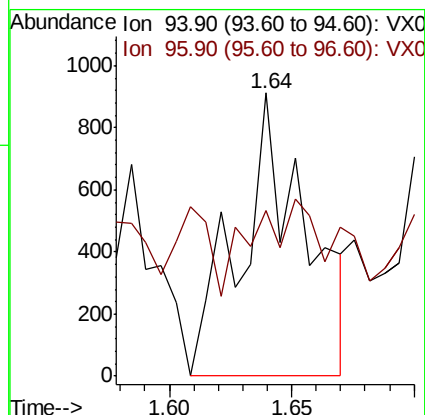
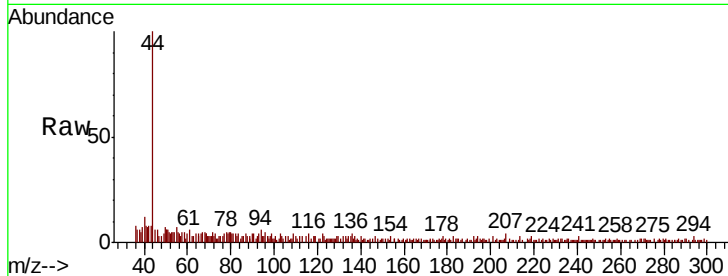
ST008MW214-200409

Tot Ion: 94 Resp: 1693

Ion Ratio Lower Upper

94 100

96 5.9 74.8 112.2#



#11

Tert butyl alcohol

Concen: 0.716 ug/l

RT: 3.01 min Scan# 475

Delta R.T. -0.00 min

Lab File: VX015684.D

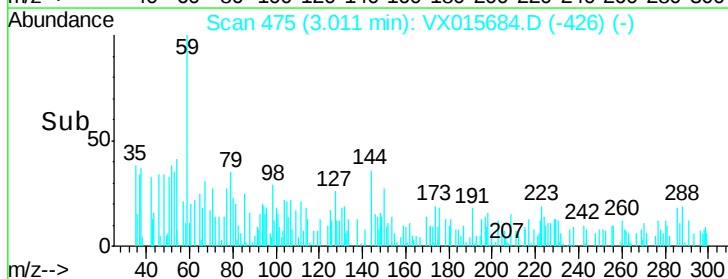
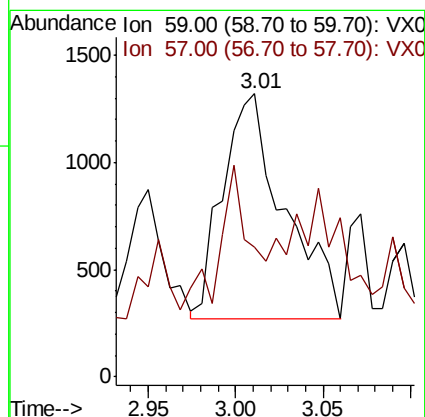
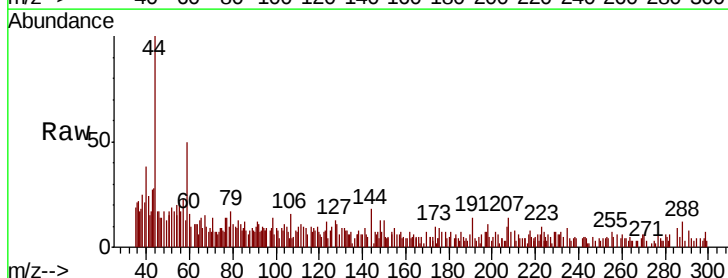
Acq: 15 Apr 2020 15:38

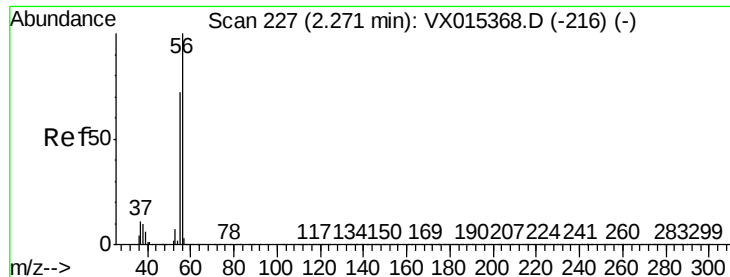
Tgt Ion: 59 Resp: 2590

Ion Ratio Lower Upper

59 100

57 30.7 8.1 12.1#

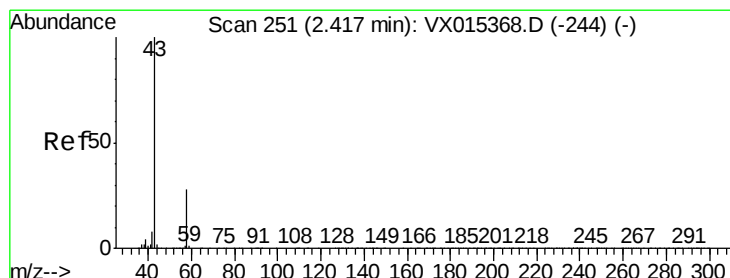
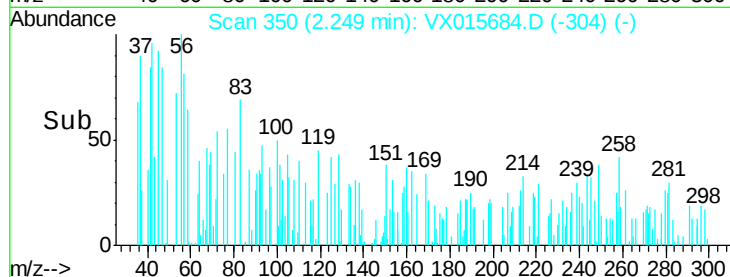
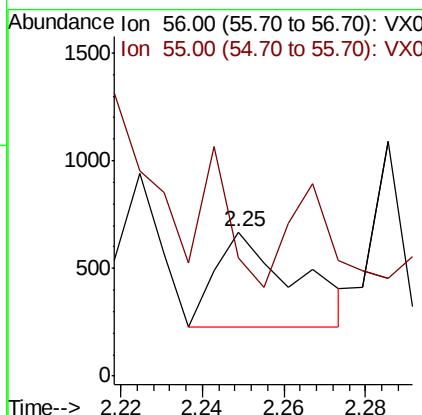
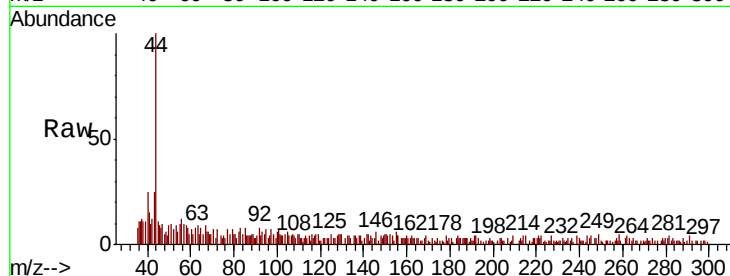




#13
Acrolein
Concen: 0.291 ug/l
RT: 2.25 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX015684.D
Acq: 15 Apr 2020 15:38

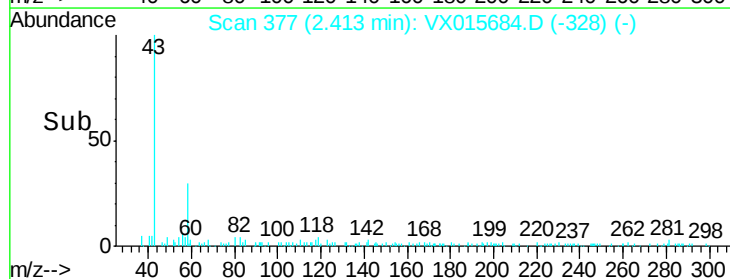
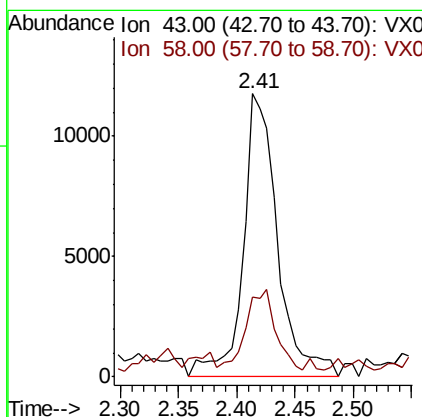
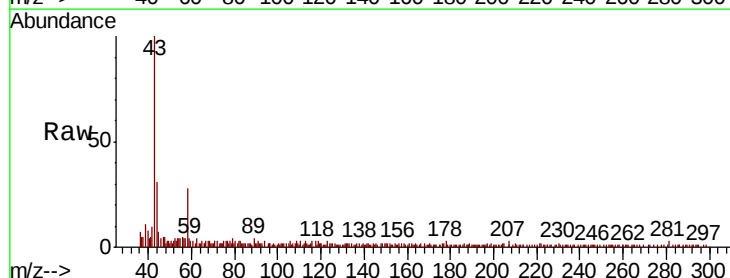
Instrument :
MSVOA_X
ClientSampleId :
ST008MW214-200409

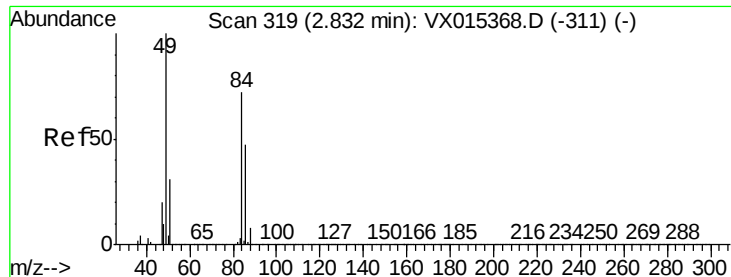
Tot Ion: 56 Resp: 599
Ion Ratio Lower Upper
56 100
55 62.8 57.0 85.4



#16
Acetone
Concen: 3.734 ug/l
RT: 2.41 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX015684.D
Acq: 15 Apr 2020 15:38

Tgt Ion: 43 Resp: 24228
Ion Ratio Lower Upper
43 100
58 22.0 22.1 33.1#

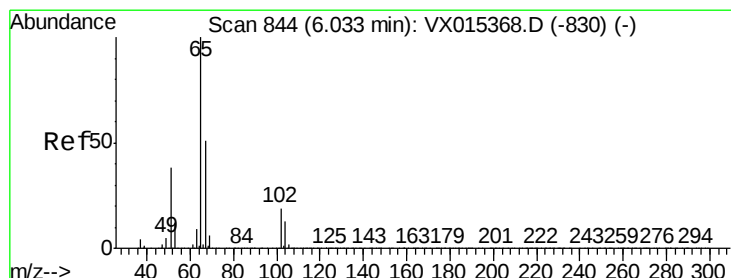
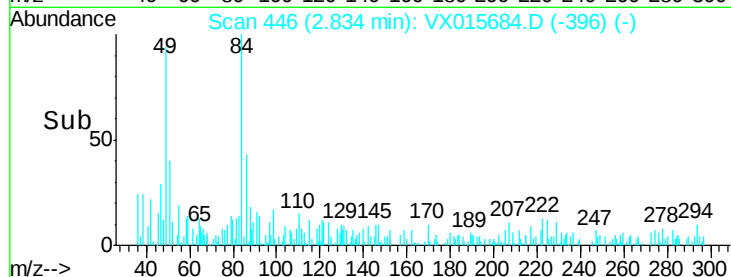
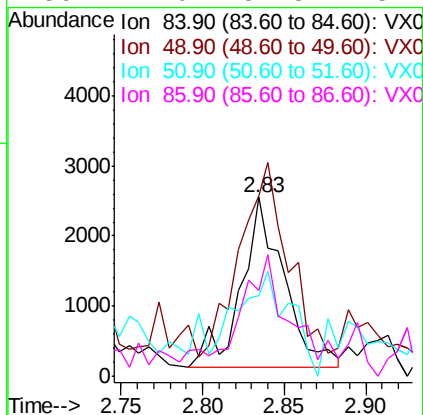
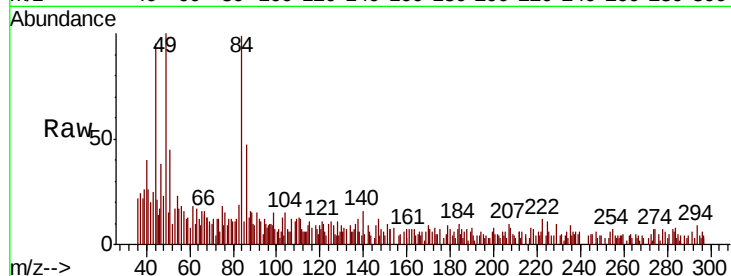




#20
Methvlene Chloride
Concen: 0.360 ug/l
RT: 2.83 min Scan# 446
Delta R.T. 0.00 min
Lab File: VX015684.D
Acq: 15 Apr 2020 15:38

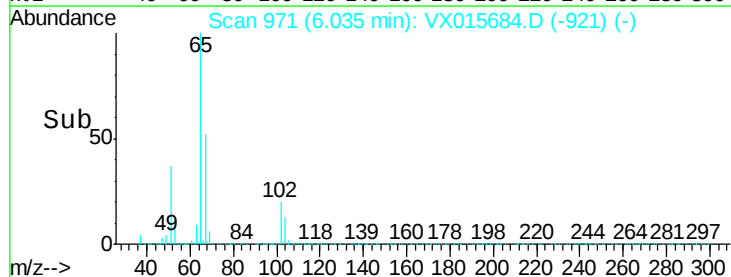
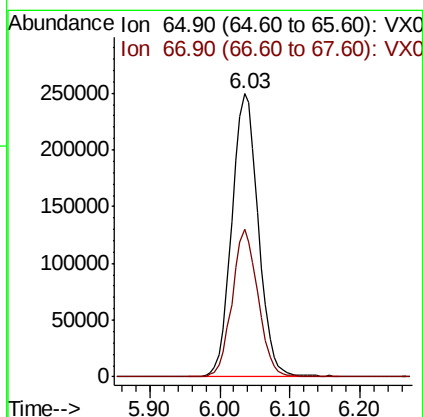
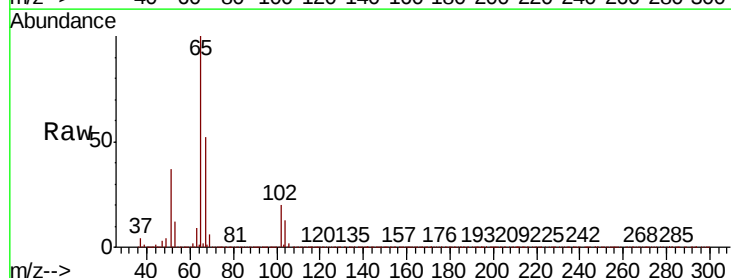
Instrument :
MSVOA_X
ClientSampleId :
ST008MW214-200409

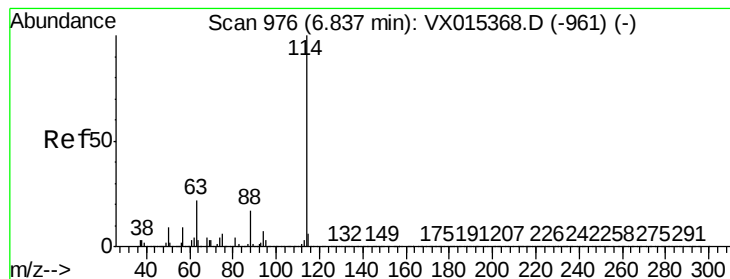
Tot Ion:	84	Resp:	4359
Ion	Ratio	Lower	Upper
84	100		
49	94.5	111.3	166.9#
51	37.3	34.0	51.0
86	42.0	52.5	78.7#



#33
1,2-Dichloroethane-d4
Concen: 43.344 ug/l
RT: 6.03 min Scan# 971
Delta R.T. 0.00 min
Lab File: VX015684.D
Acq: 15 Apr 2020 15:38

Tgt Ion:	65	Resp:	654614
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

ST008MW214-200409

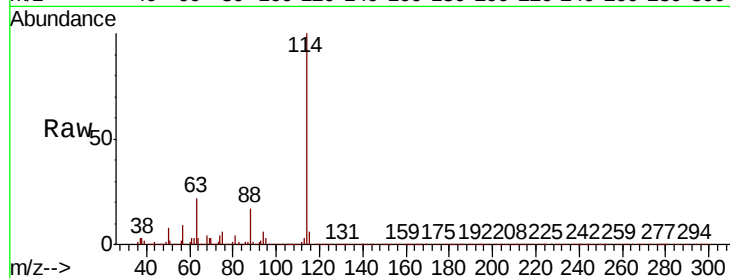
Tot Ion:114 Resp: 1679322

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.2

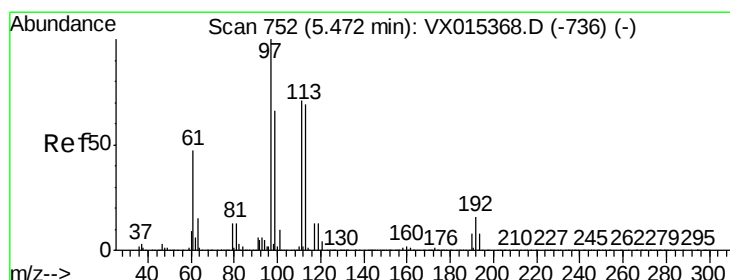
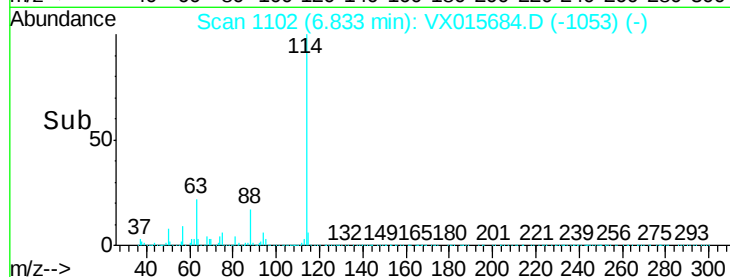
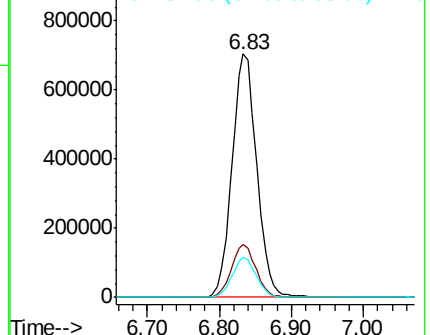
88 16.7 0.0 33.8



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: 46.902 ug/l

RT: 5.47 min Scan# 878

Delta R.T. -0.00 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

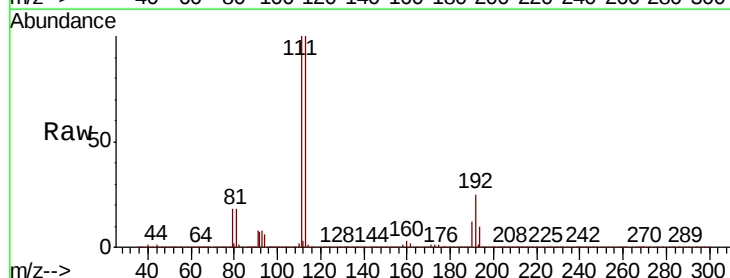
Tgt Ion:113 Resp: 503479

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

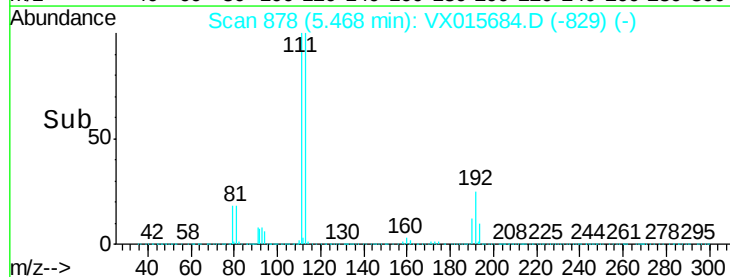
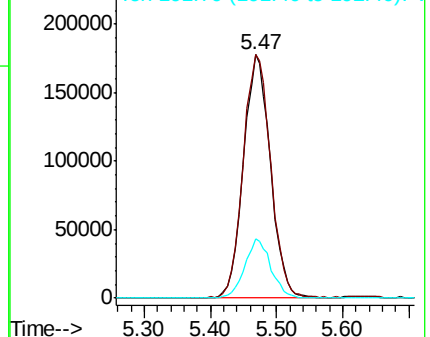
192 23.3 17.8 26.6

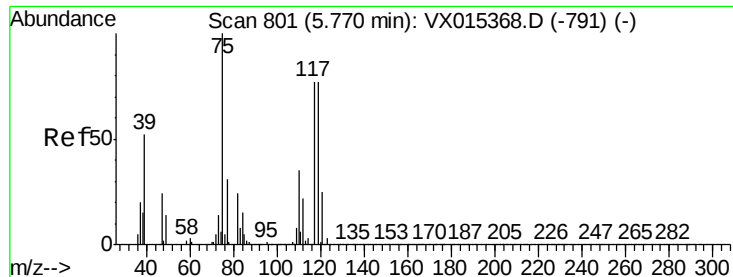


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

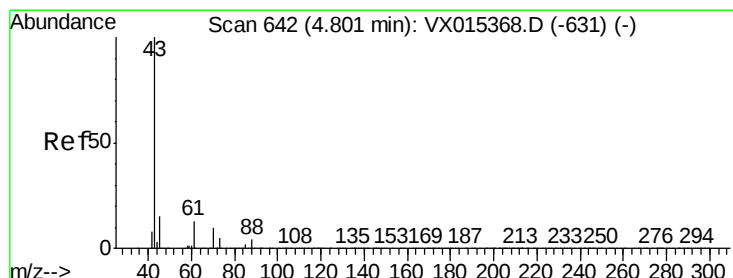
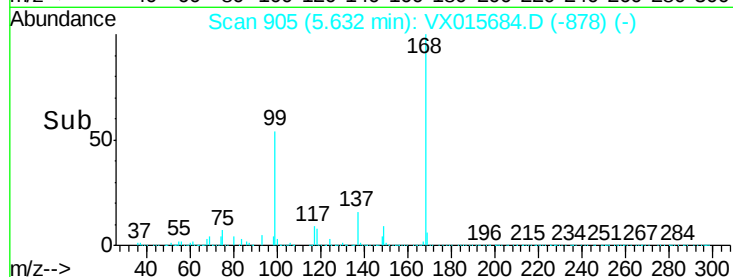
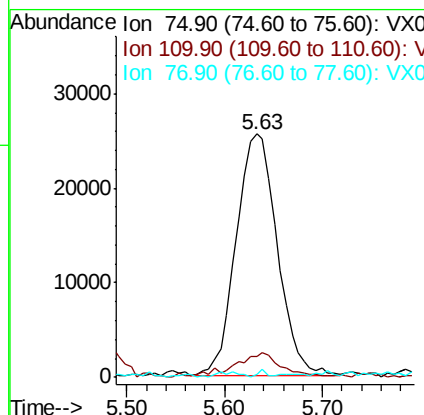
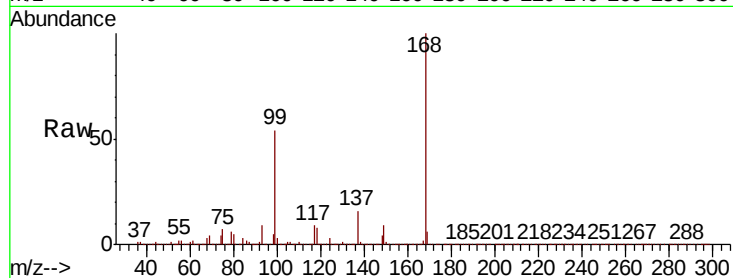




#36
 1,1-Dichloropropene
 Concen: 4.820 ug/l
 RT: 5.63 min Scan# 905
 Delta R.T. -0.14 min
 Lab File: VX015684.D
 Acq: 15 Apr 2020 15:38

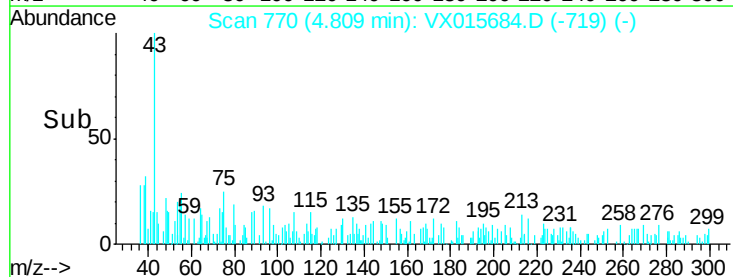
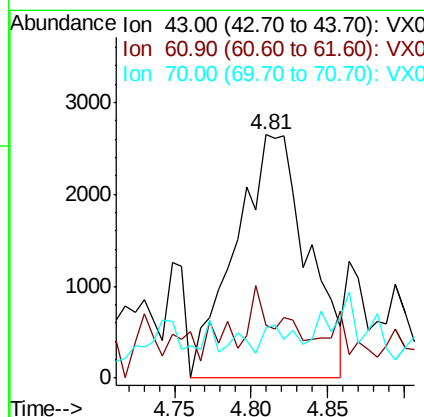
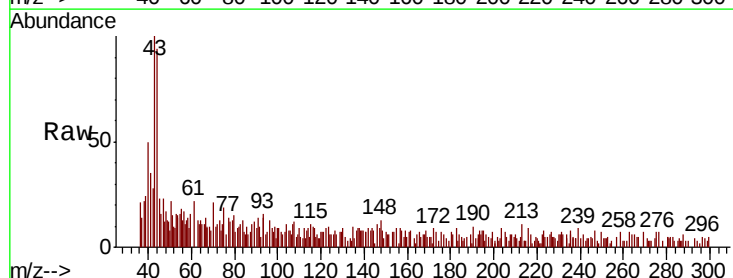
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW214-200409

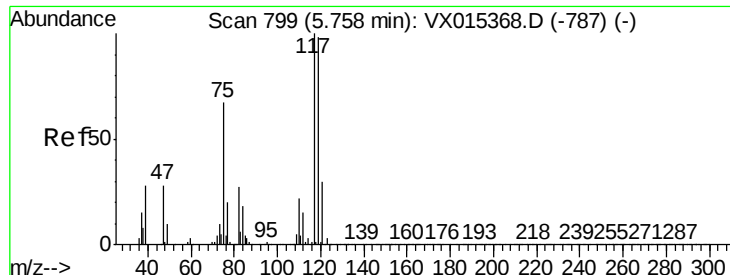
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.7	17.1	51.3#
77	0.8	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.433 ug/l
 RT: 4.81 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VX015684.D
 Acq: 15 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.6	9.9	14.9#
70	7.4	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 5.823 ug/l

RT: 5.64 min Scan# 906

Delta R.T. -0.12 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

ST008MW214-200409

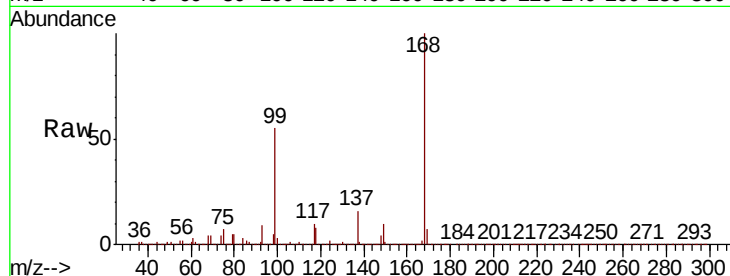
Tot Ion:117 Resp: 97594

Ion Ratio Lower Upper

117 100

119 3.2 78.0 117.0#

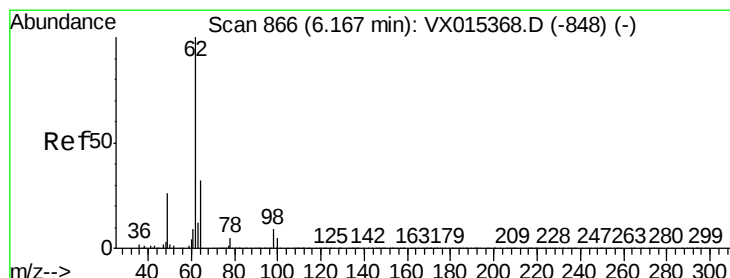
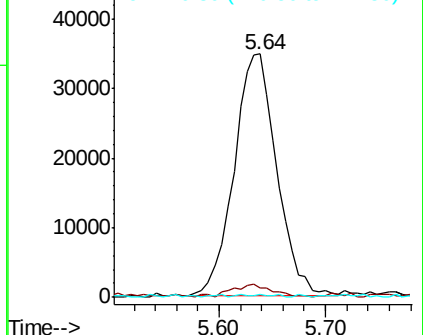
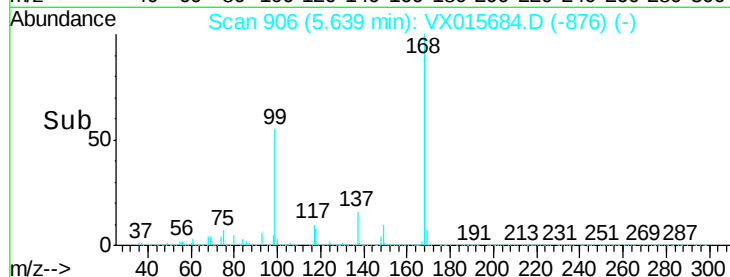
121 0.2 23.8 35.8#



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



#42

1,2-Dichloroethane

Concen: 0.207 ug/l

RT: 6.17 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX015684.D

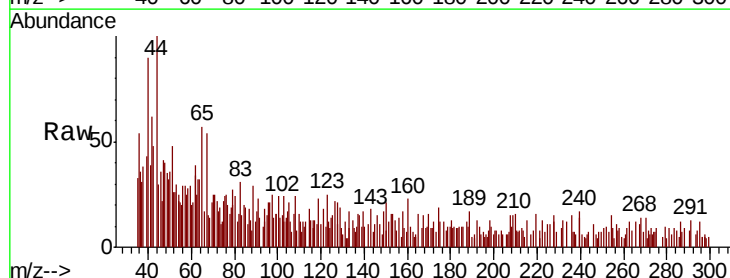
Acq: 15 Apr 2020 15:38

Tgt Ion: 62 Resp: 3774

Ion Ratio Lower Upper

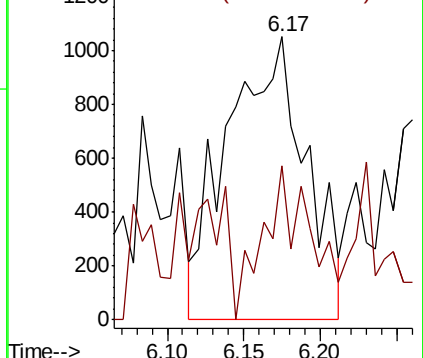
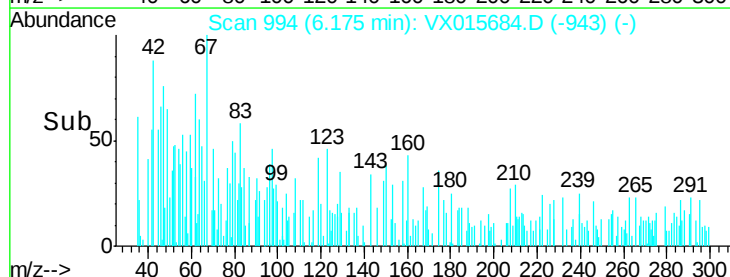
62 100

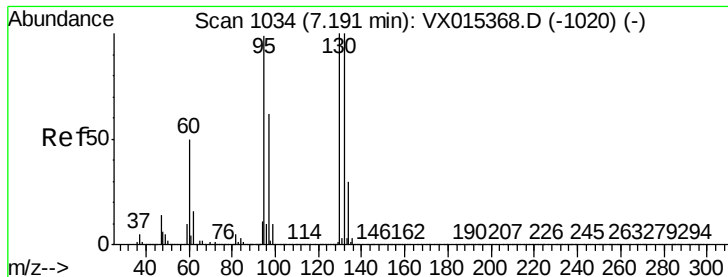
98 16.5 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 0.404 ug/l

RT: 7.20 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

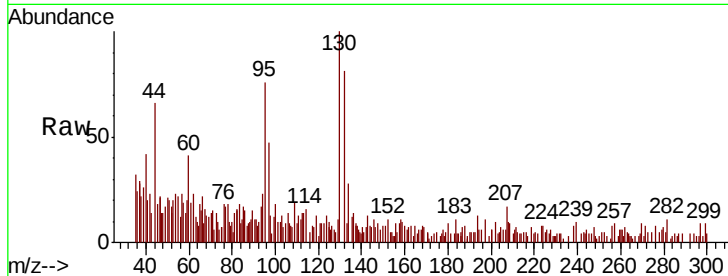
ST008MW214-200409

Tot Ion:130 Resp: 4988

Ion Ratio Lower Upper

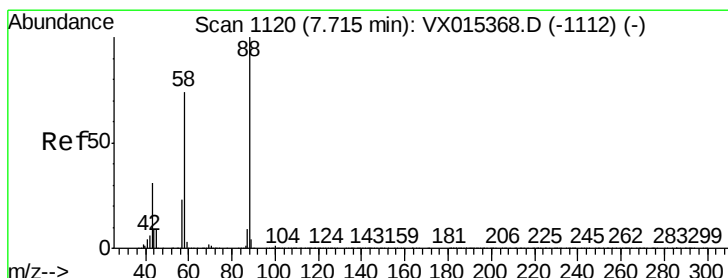
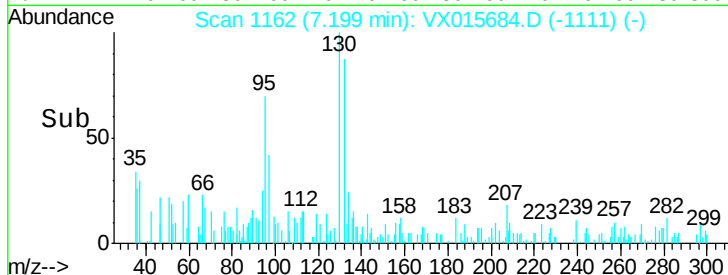
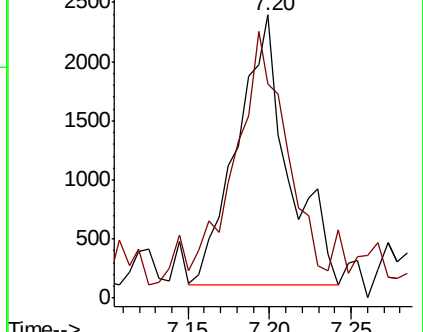
130 100

95 69.3 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.032 ug/l

RT: 7.71 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

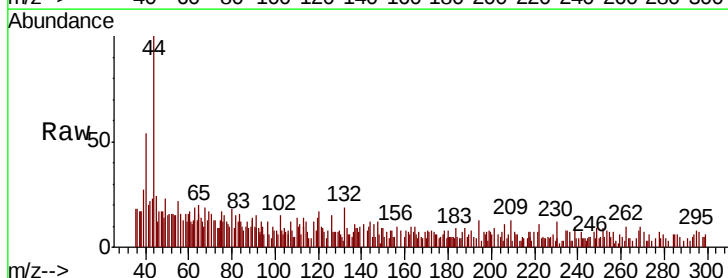
Tgt Ion: 88 Resp: 327

Ion Ratio Lower Upper

88 100

43 117.1 30.1 45.1#

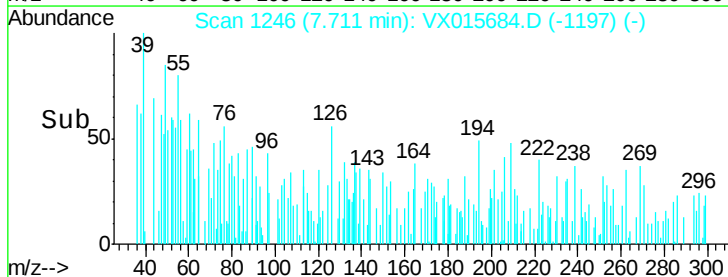
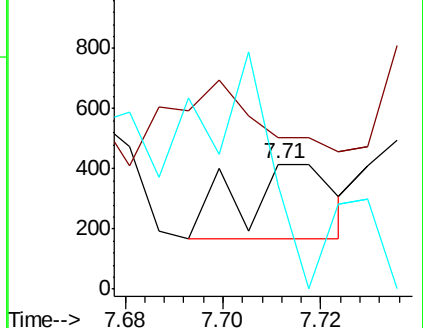
58 248.3 60.6 90.8#

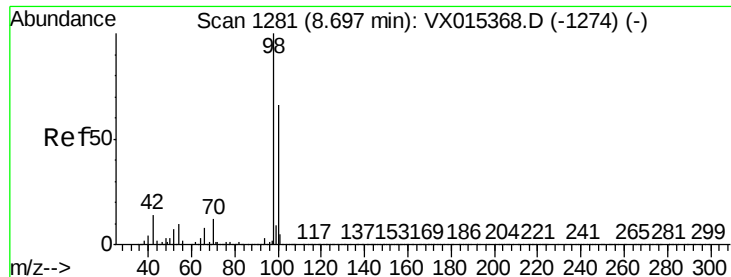


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.072 ug/l

RT: 8.70 min Scan# 1408

Delta R.T. 0.00 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

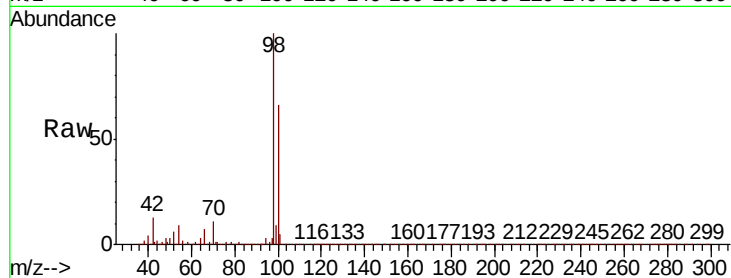
ST008MW214-200409

Tot Ion: 98 Resp: 1978974

Ion Ratio Lower Upper

98 100

100 66.5 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

1500000

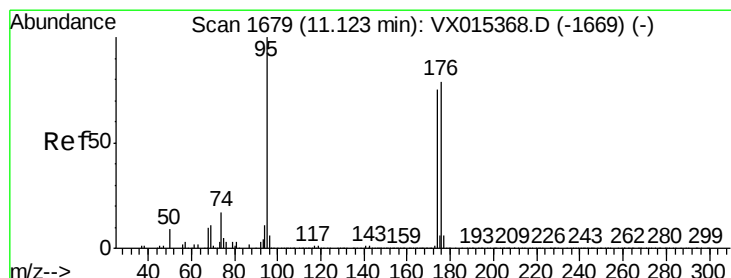
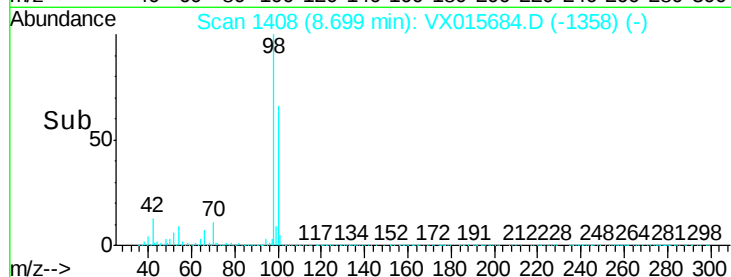
8.70

1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.508 ug/l

RT: 11.12 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

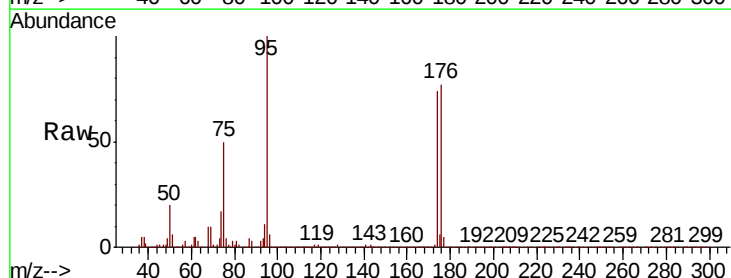
Tgt Ion: 95 Resp: 843378

Ion Ratio Lower Upper

95 100

174 83.6 0.0 158.6

176 82.3 0.0 159.0



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

800000

11.12

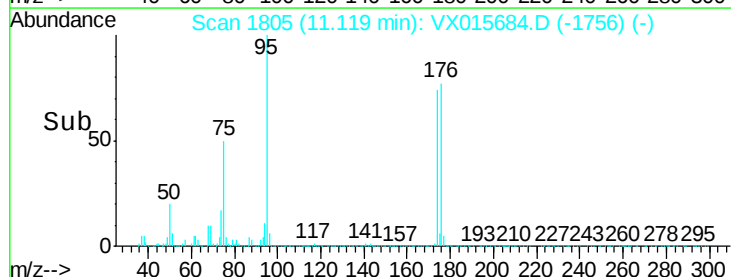
600000

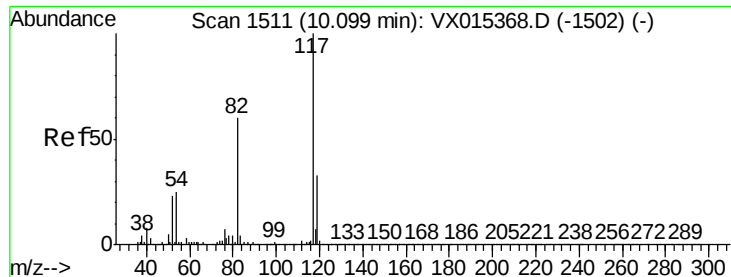
400000

200000

0

Time-->

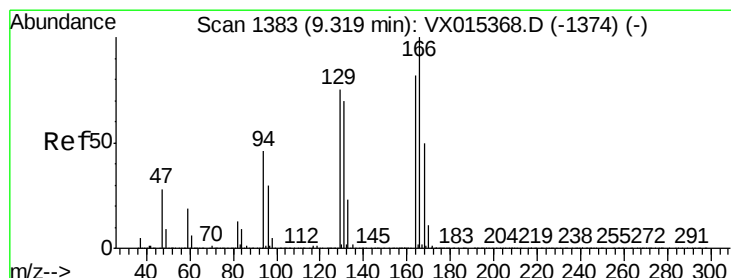
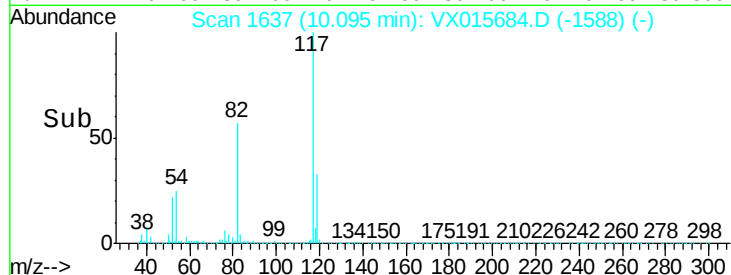
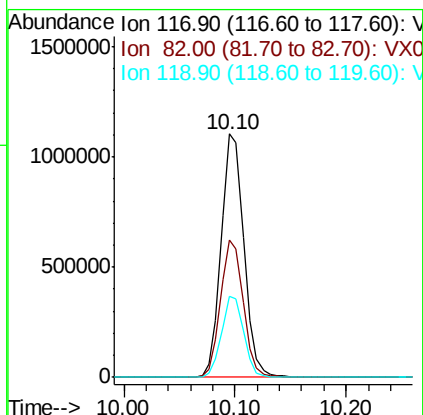
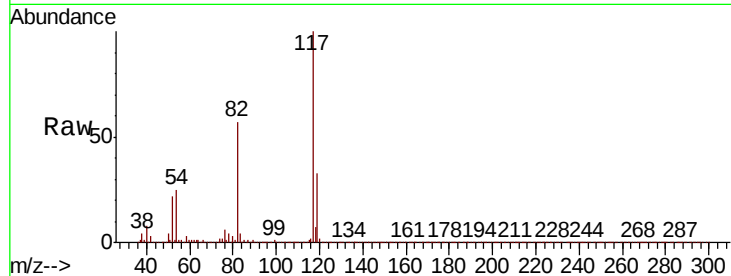




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX015684.D
Acq: 15 Apr 2020 15:38

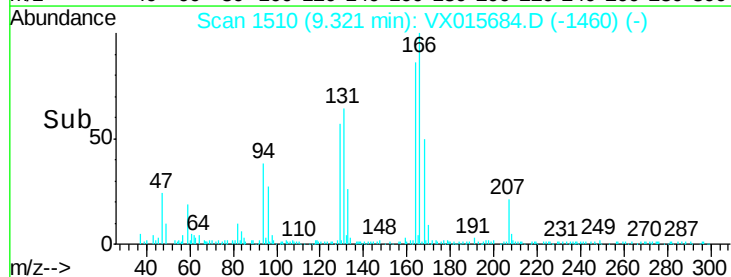
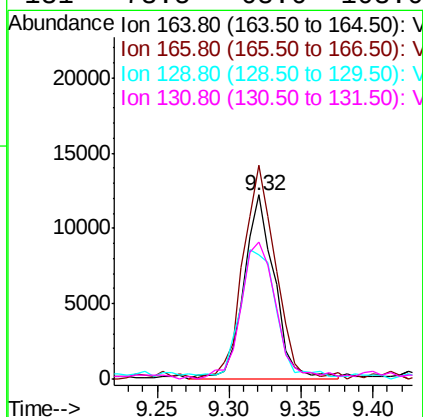
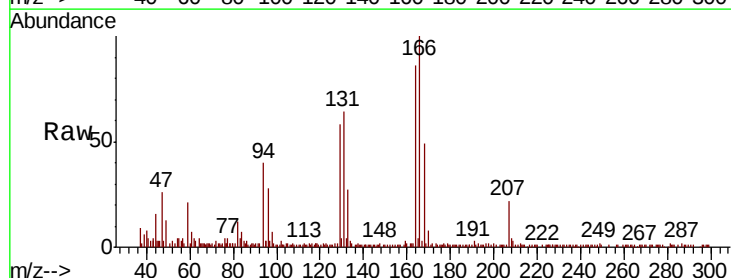
Instrument :
MSVOA_X
ClientSampleId :
ST008MW214-200409

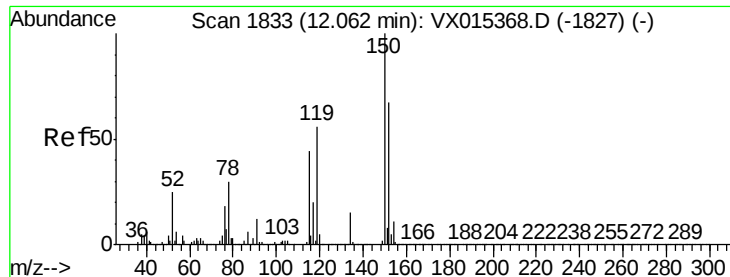
Tot Ion:117 Resp: 1565833
Ion Ratio Lower Upper
117 100
82 56.7 47.8 71.8
119 33.4 26.8 40.2



#64
Tetrachloroethene
Concen: 1.525 ug/l
RT: 9.32 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX015684.D
Acq: 15 Apr 2020 15:38

Tgt Ion:164 Resp: 18024
Ion Ratio Lower Upper
164 100
166 114.9 97.8 146.6
129 65.0 73.0 109.4#
131 73.5 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

ST008MW214-200409

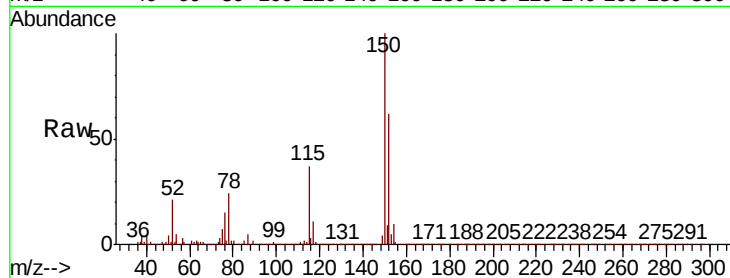
Tot Ion:152 Resp: 865890

Ion Ratio Lower Upper

152 100

115 58.3 39.0 116.9

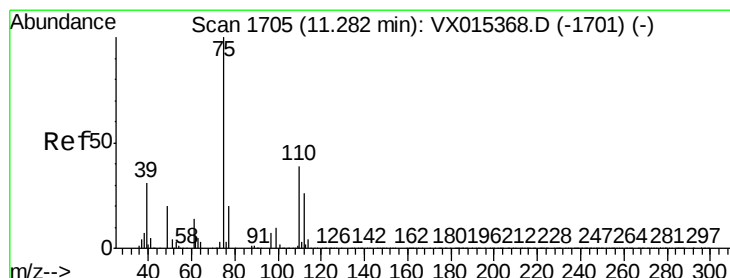
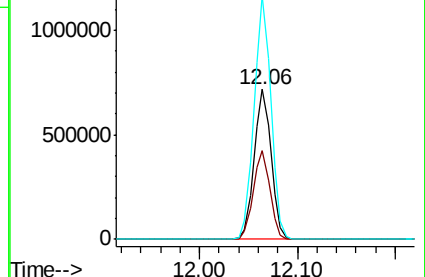
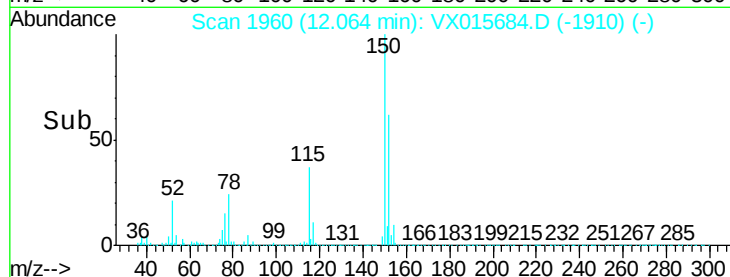
150 160.1 0.0 340.8



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: 23.732 ug/l

RT: 11.12 min Scan# 1805

Delta R.T. -0.16 min

Lab File: VX015684.D

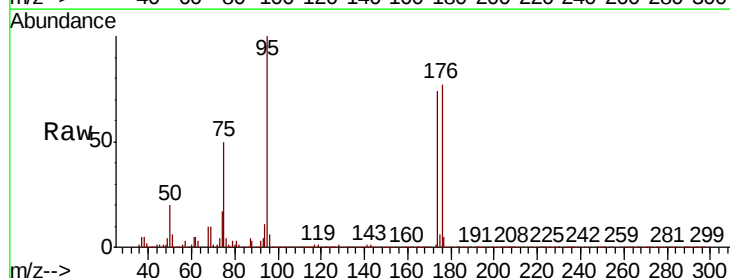
Acq: 15 Apr 2020 15:38

Tgt Ion: 75 Resp: 422583

Ion Ratio Lower Upper

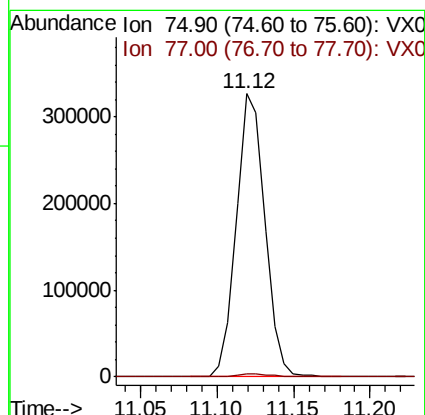
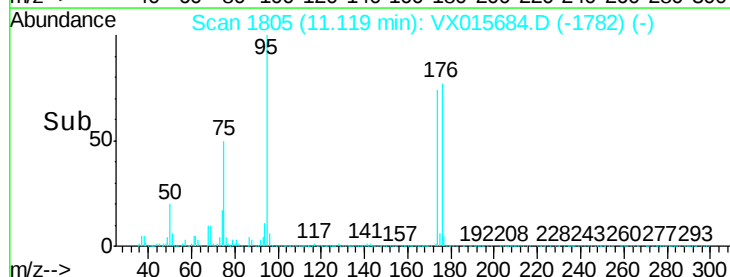
75 100

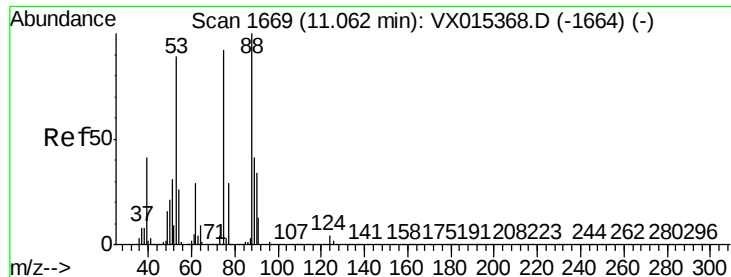
77 1.3 21.2 63.6#



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: 56.944 ug/l

RT: 11.12 min Scan# 1805

Delta R.T. 0.06 min

Lab File: VX015684.D

Acq: 15 Apr 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

ST008MW214-200409

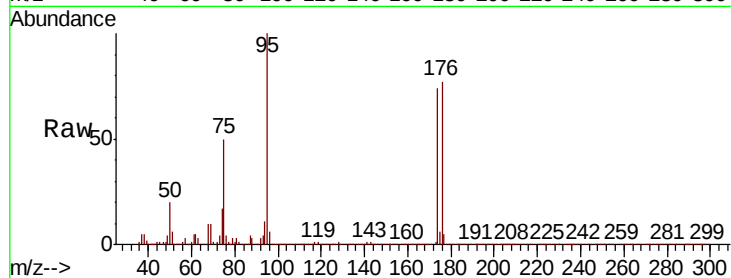
Tot Ion: 75 Resp: 422583

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#



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

