

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
 Data File : VX014362.D
 Acq On : 30 Dec 2019 18:30
 Operator : JC/SP
 Sample : K6464-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-DUPLICATE

Quant Time: Dec 31 01:21:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	512813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	804062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	724054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	321409	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	291893	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	5.49	113	240176	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	8.71	98	957195	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	317835	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	

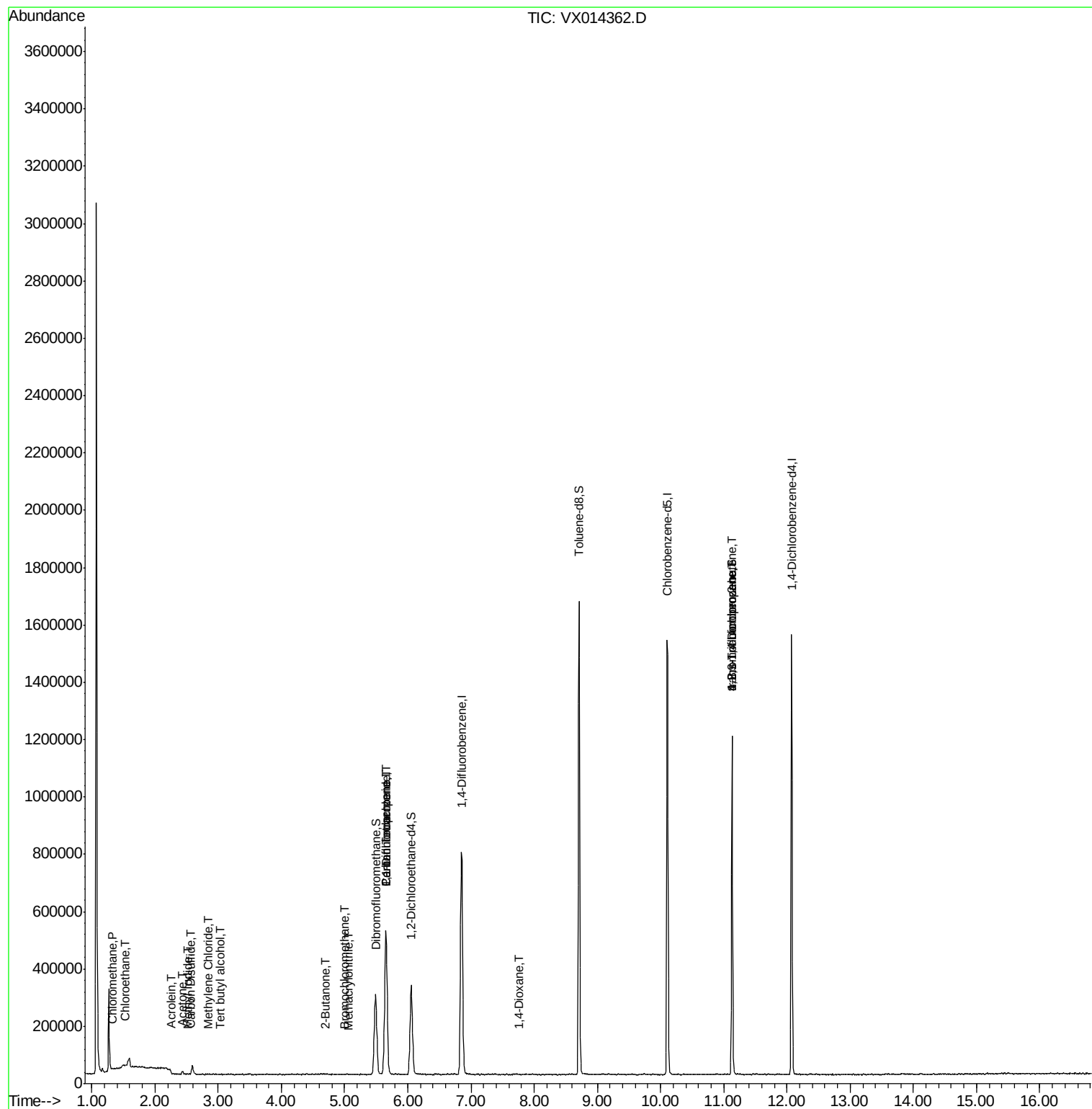
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1484	0.241	ug/l	96
6) Chloroethane	1.53	64	27576	6.877	ug/l #	50
10) Methyl Iodide	2.51	142	281	2.662	ug/l #	1
11) Tert butyl alcohol	3.04	59	770	0.613	ug/l #	72
13) Acrolein	2.27	56	525	0.730	ug/l #	74
16) Acetone	2.43	43	10897	2.888	ug/l #	89
17) Carbon Disulfide	2.56	76	3655	1.013	ug/l #	93
20) Methylene Chloride	2.84	84	1777	0.299	ug/l #	54
25) 2-Butanone	4.69	43	3061	0.658	ug/l #	49
28) Bromochloromethane	4.99	49	378	0.553	ug/l #	79
36) 1,1-Dichloropropene	5.65	75	34714	4.705	ug/l #	51
38) Carbon Tetrachloride	5.65	117	45597	6.784	ug/l #	16
41) Methacrylonitrile	5.05	41	1131	0.250	ug/l #	30
49) 1,4-Dioxane	7.76	88	502	3.736	ug/l #	71
76) 1,2,3-Trichloropropane	11.13	75	158086	22.656	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	158086	63.946	ug/l #	12

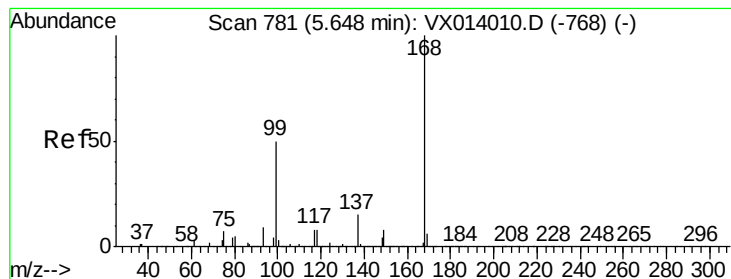
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 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: VX014362.D

Acq: 30 Dec 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

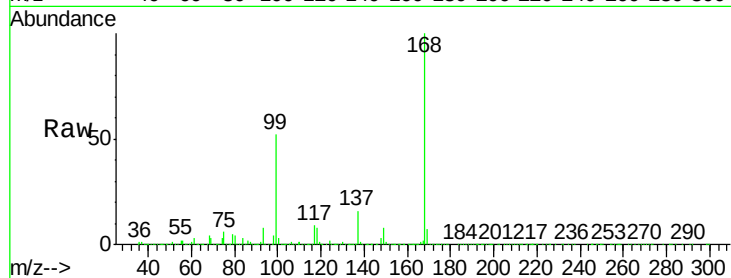
GW-DUPLICATE

Tot Ion:168 Resp: 512813

Ion Ratio Lower Upper

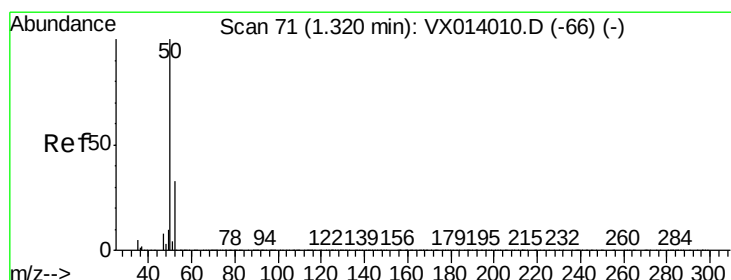
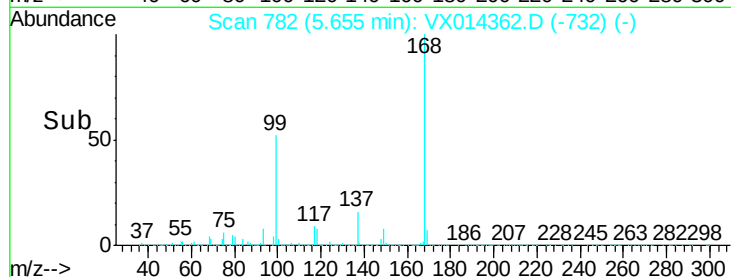
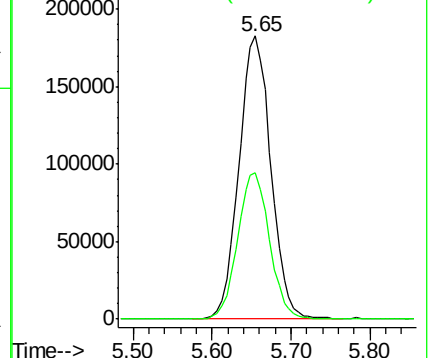
168 100

99 51.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.241 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014362.D

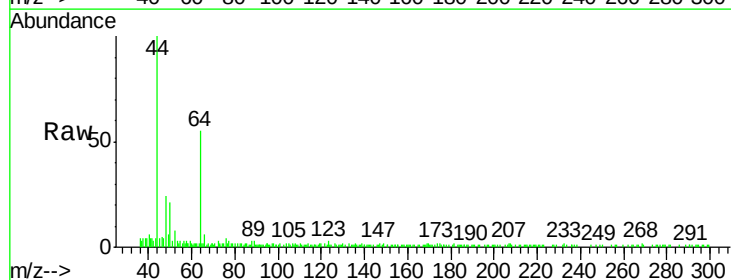
Acq: 30 Dec 2019 18:30

Tgt Ion: 50 Resp: 1484

Ion Ratio Lower Upper

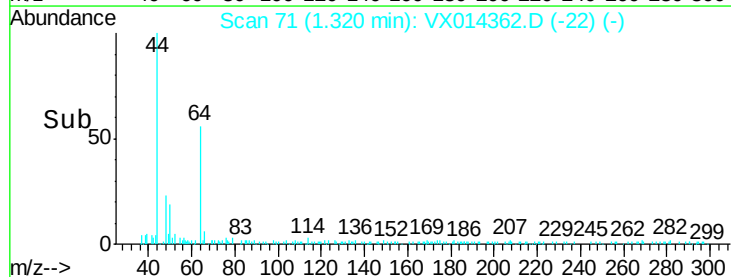
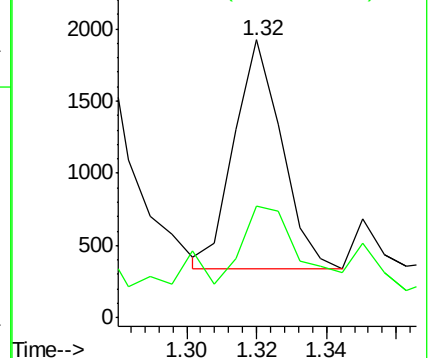
50 100

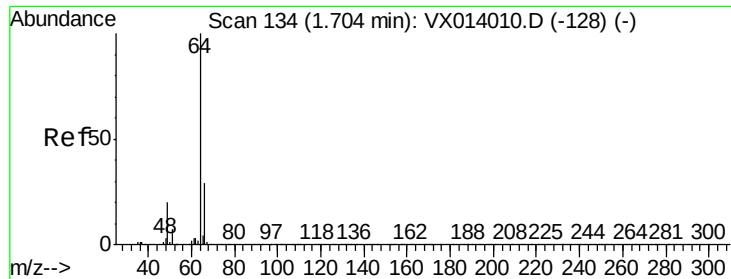
52 30.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 6.877 ug/l

RT: 1.53 min Scan# 105

Delta R.T. -0.18 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

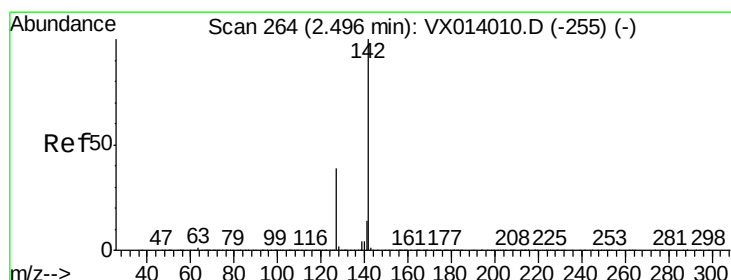
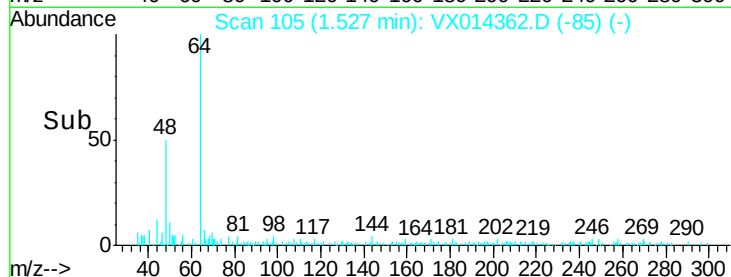
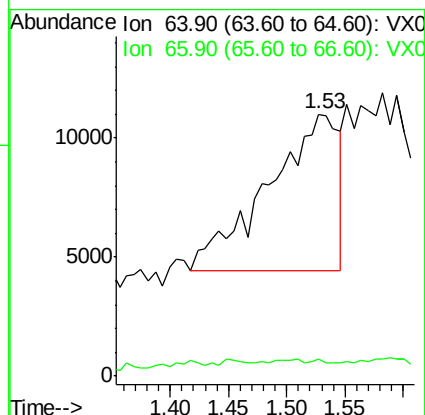
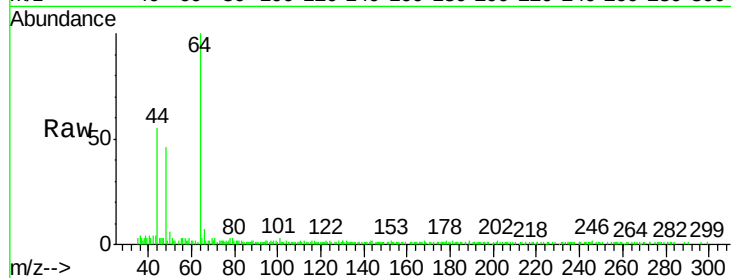
GW-DUPLICATE

Tot Ion: 64 Resp: 27576

Ion Ratio Lower Upper

64 100

66 2.7 23.4 35.2#



#10

Methyl Iodide

Concen: 2.662 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

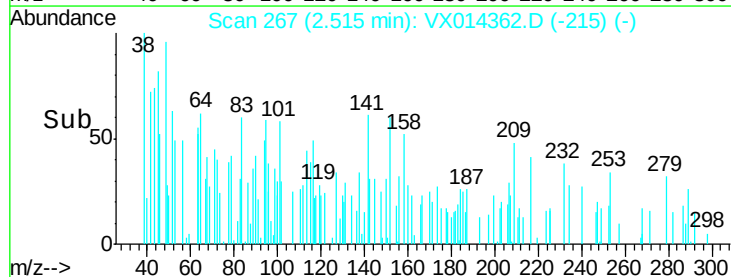
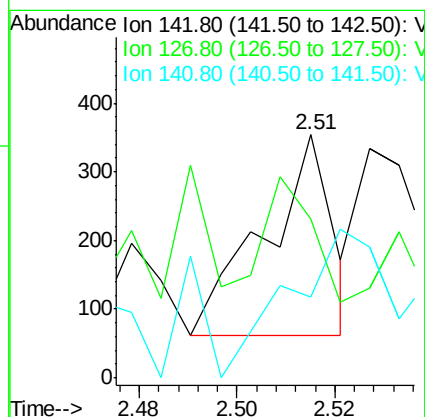
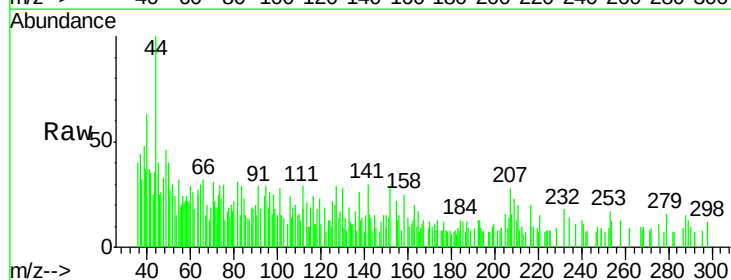
Tgt Ion: 142 Resp: 281

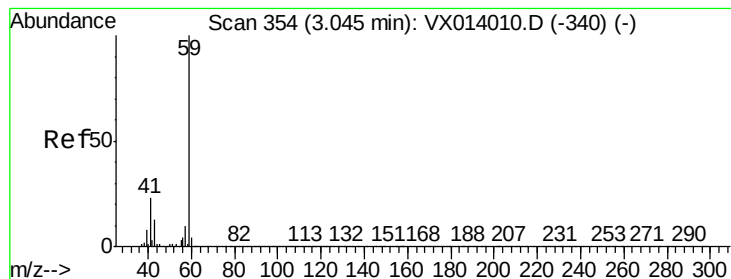
Ion Ratio Lower Upper

142 100

127 61.2 31.6 47.4#

141 142.0 11.6 17.4#



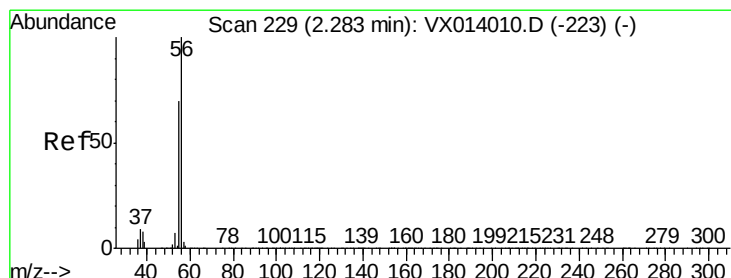
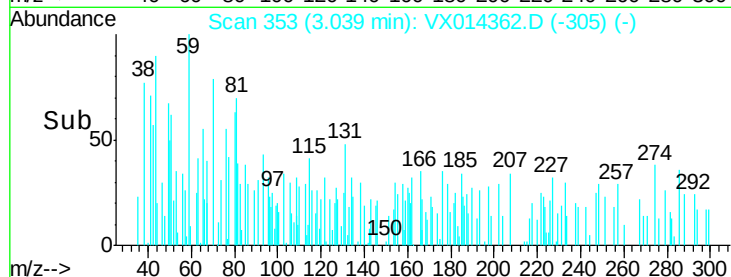
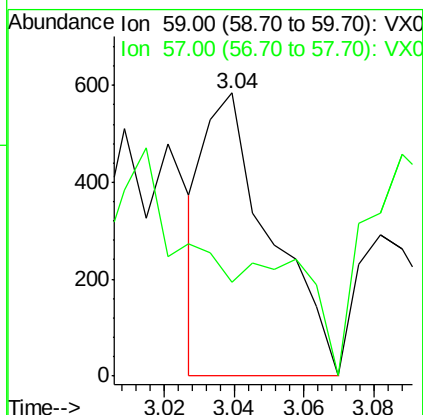
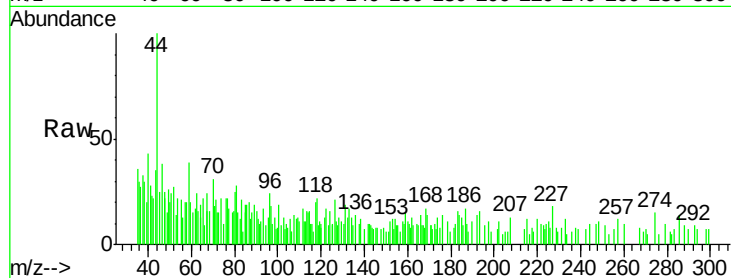


#11

Tert butyl alcohol
Concen: 0.613 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.01 min
Lab File: VX014362.D
Acq: 30 Dec 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
GW-DUPLICATE

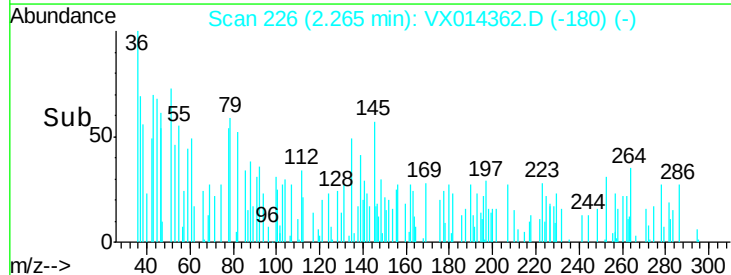
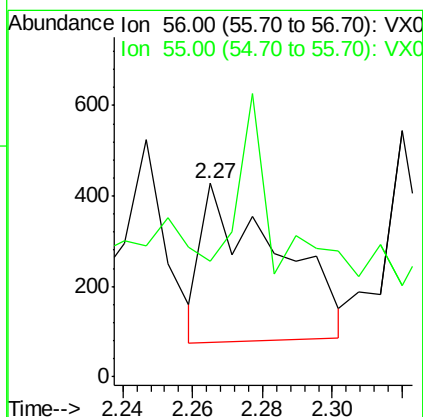
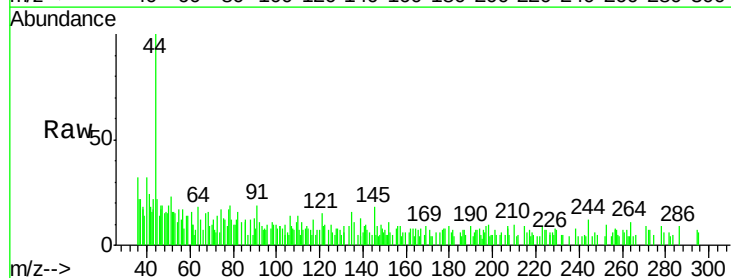
Tot Ion: 59 Resp: 770
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

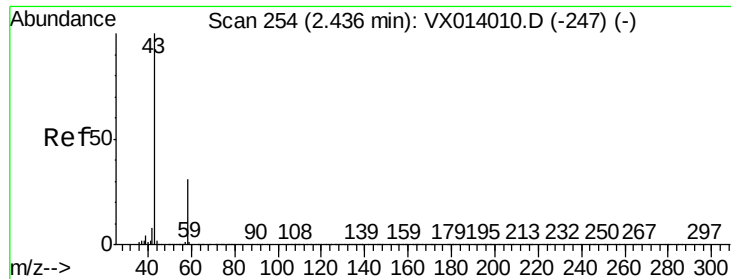


#13

Acrolein
Concen: 0.730 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX014362.D
Acq: 30 Dec 2019 18:30

Tgt Ion: 56 Resp: 525
Ion Ratio Lower Upper
56 100
55 49.5 56.9 85.3#





#16

Acetone

Concen: 2.888 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

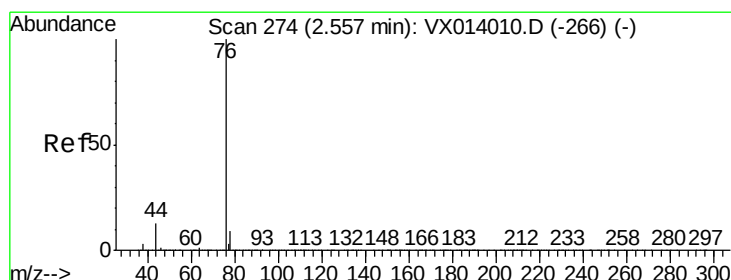
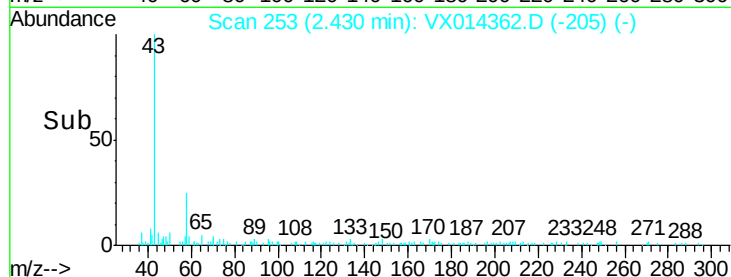
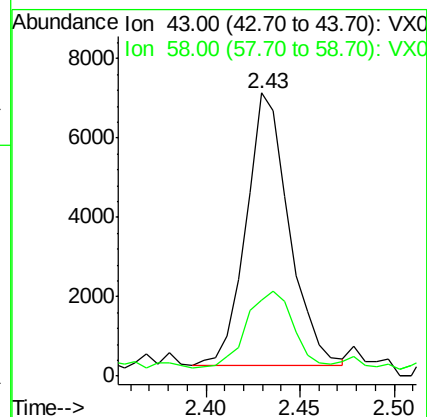
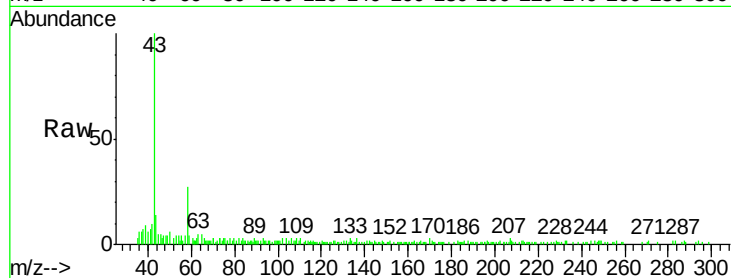
GW-DUPLICATE

Tot Ion: 43 Resp: 10897

Ion Ratio Lower Upper

43 100

58 24.8 24.9 37.3#



#17

Carbon Disulfide

Concen: 1.013 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014362.D

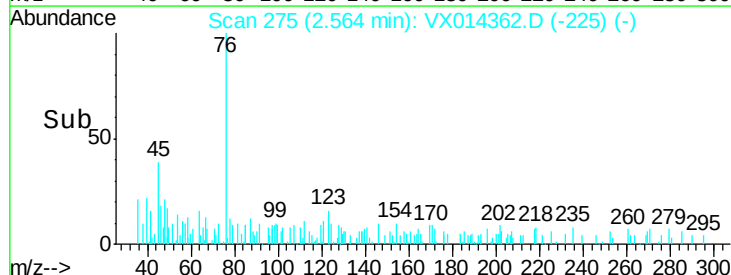
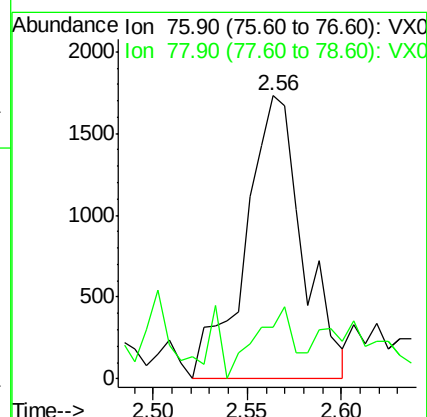
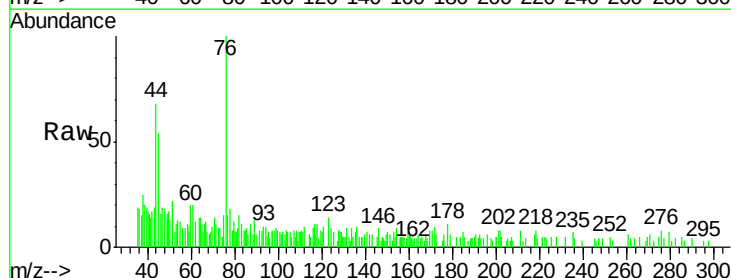
Acq: 30 Dec 2019 18:30

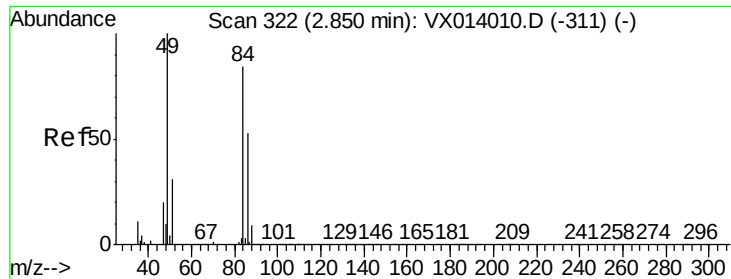
Tgt Ion: 76 Resp: 3655

Ion Ratio Lower Upper

76 100

78 11.6 7.2 10.8#

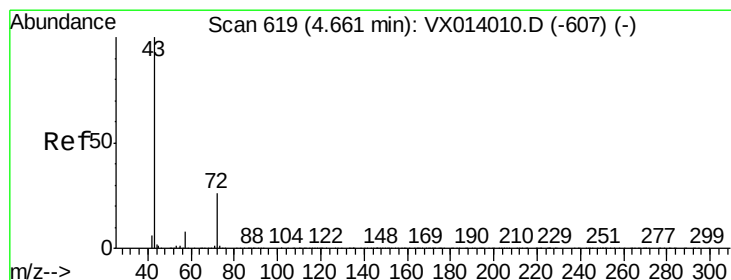
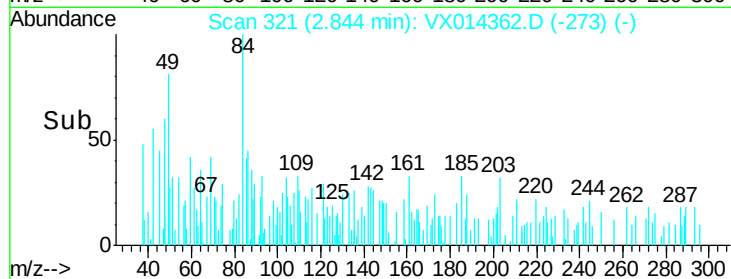
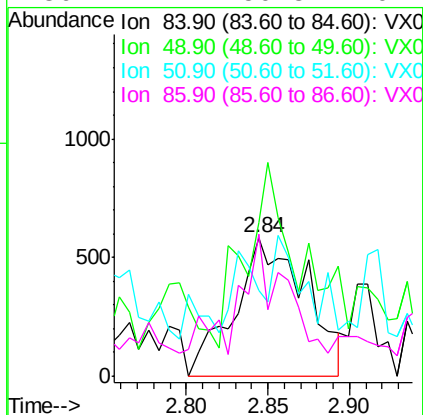
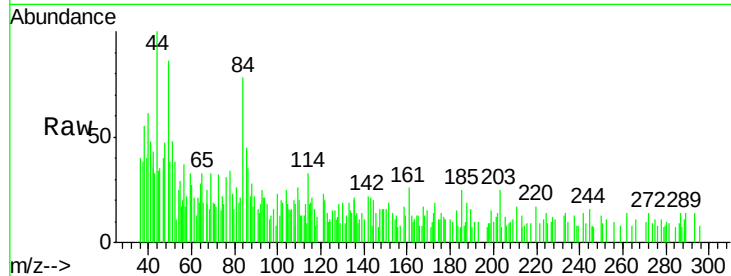




#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014362.D
Acq: 30 Dec 2019 18:30

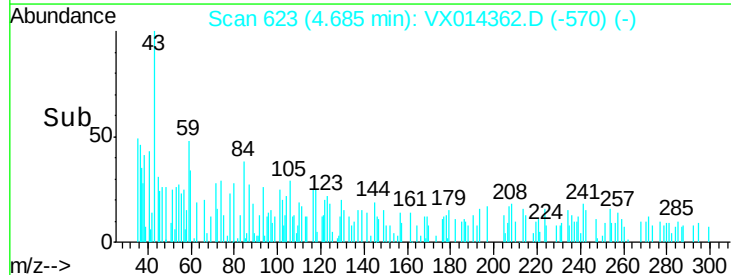
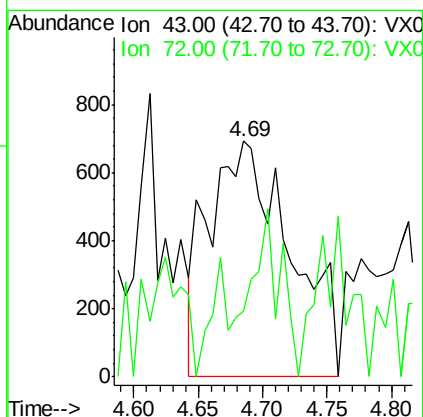
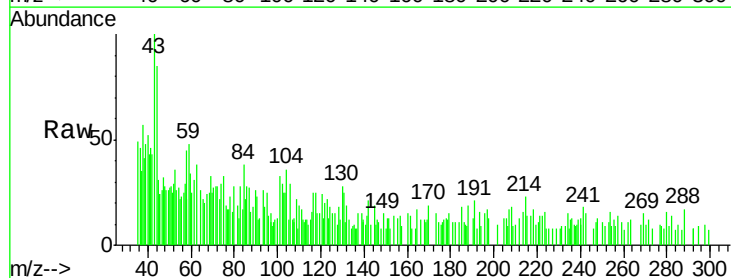
Instrument :
MSVOA_X
ClientSampleId :
GW-DUPLICATE

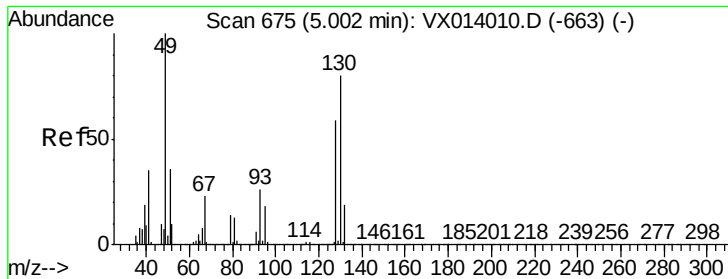
Tot Ion: 84 Resp: 1777
Ion Ratio Lower Upper
84 100
49 87.8 95.8 143.6#
51 3.5 29.8 44.8#
86 121.1 50.8 76.2#



#25
2-Butanone
Concen: 0.658 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.02 min
Lab File: VX014362.D
Acq: 30 Dec 2019 18:30

Tgt Ion: 43 Resp: 3061
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#





#28

Bromochloromethane

Concen: 0.553 ug/l

RT: 4.99 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

GW-DUPLICATE

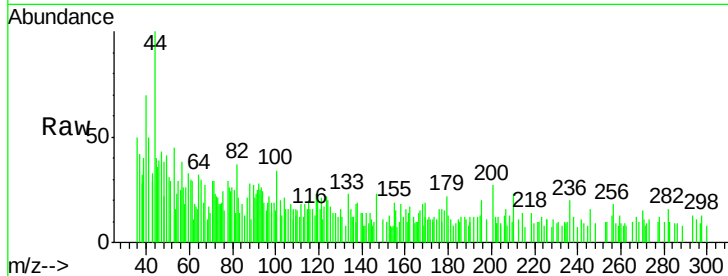
Tot Ion: 49 Resp: 378

Ion Ratio Lower Upper

49 100

129 88.6 0.0 5.0#

130 92.6 64.6 97.0



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

600

400

200

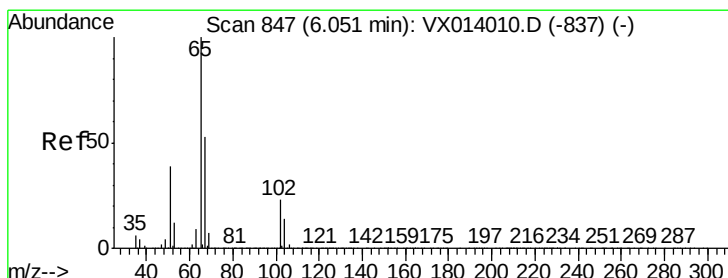
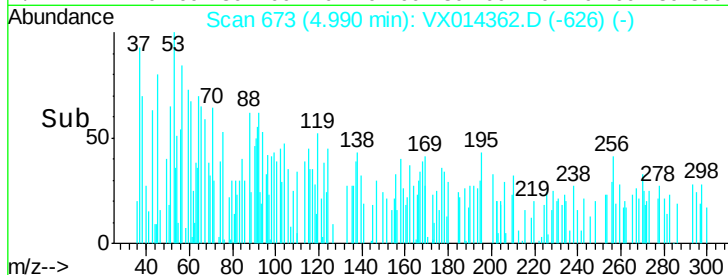
0

4.96

4.98

5.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.222 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014362.D

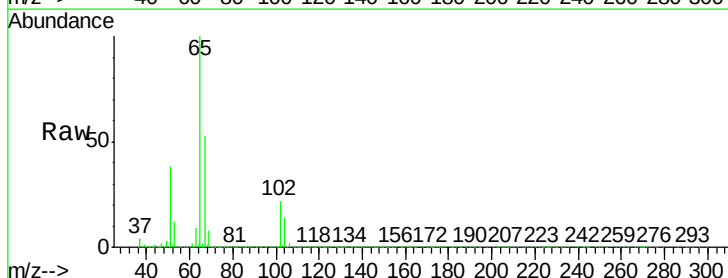
Acq: 30 Dec 2019 18:30

Tgt Ion: 65 Resp: 291893

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

120000

100000

80000

60000

40000

20000

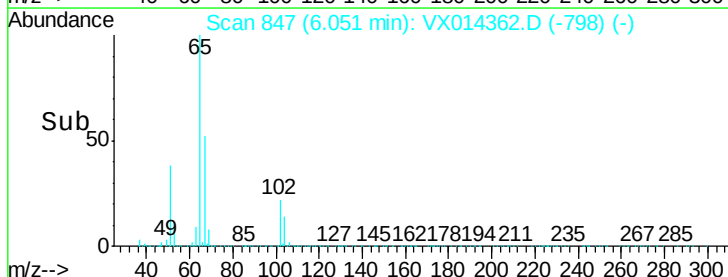
0

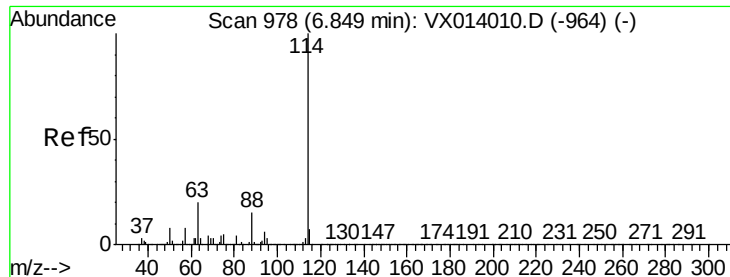
5.90

6.00

6.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

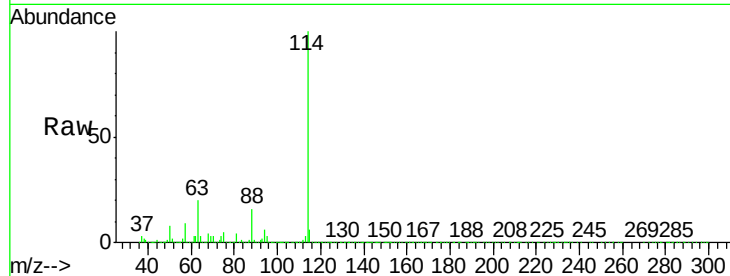
Instrument :

MSVOA_X

ClientSampleId :

GW-DUPLICATE

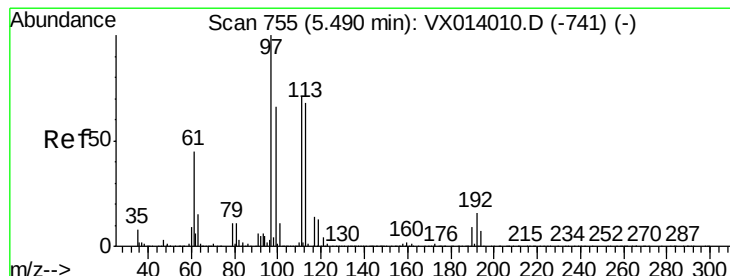
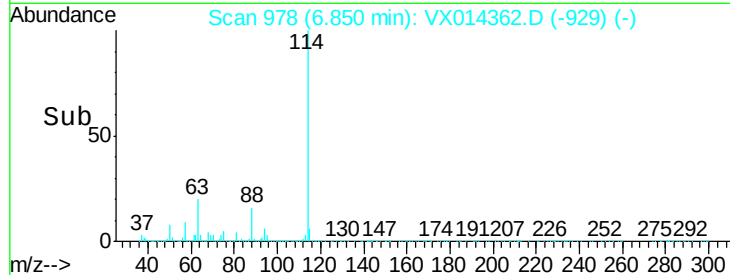
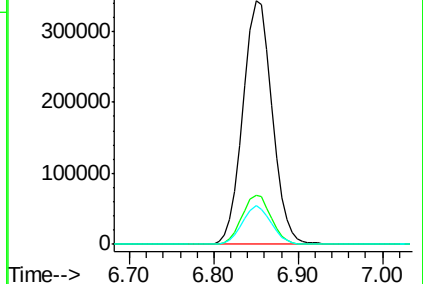
Tot Ion:	114	Resp:	804062
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	16.1	0.0	30.4



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: 49.138 ug/l

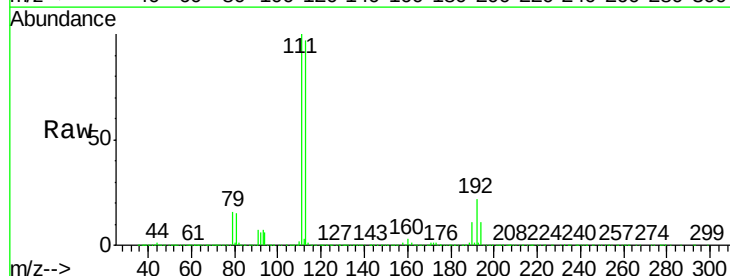
RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

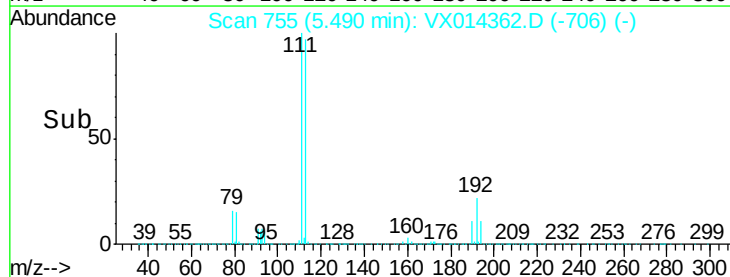
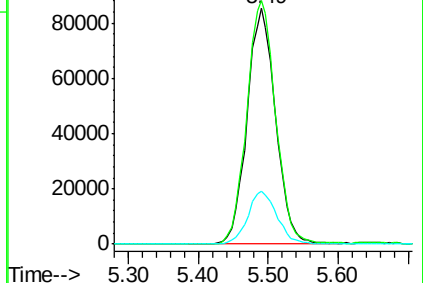
Tgt Ion:	113	Resp:	240176
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.0	123.0
192	22.6	19.3	28.9

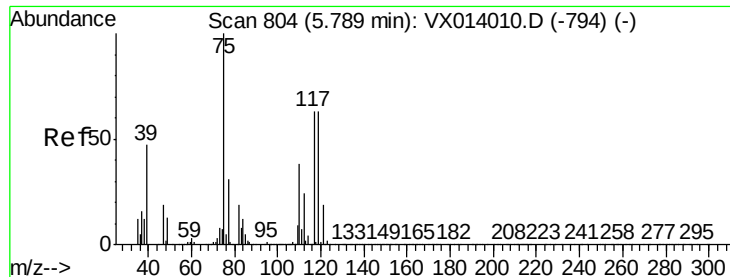


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

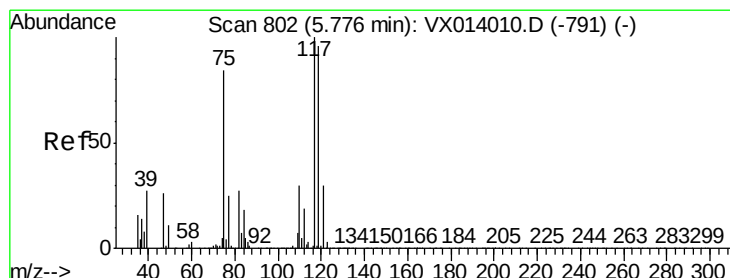
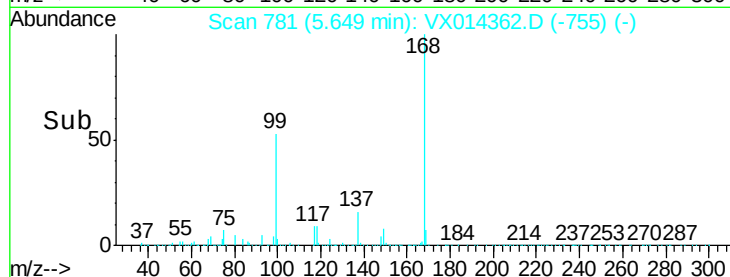
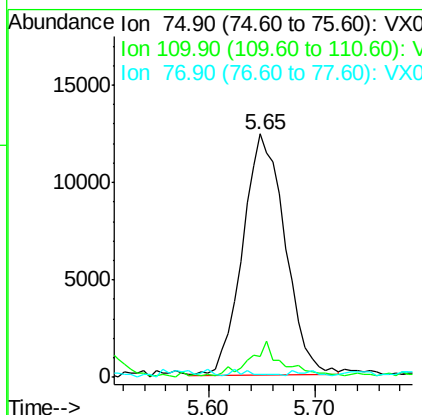
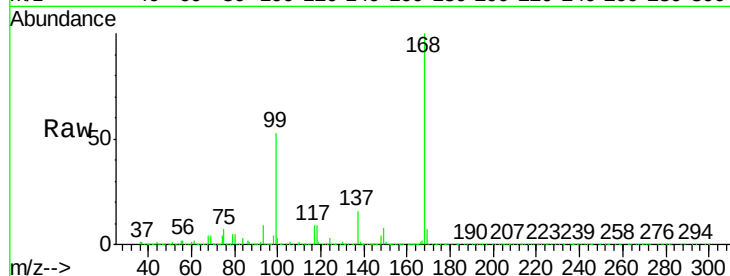




#36
 1,1-Dichloropropene
 Concen: 4.705 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014362.D
 Acq: 30 Dec 2019 18:30

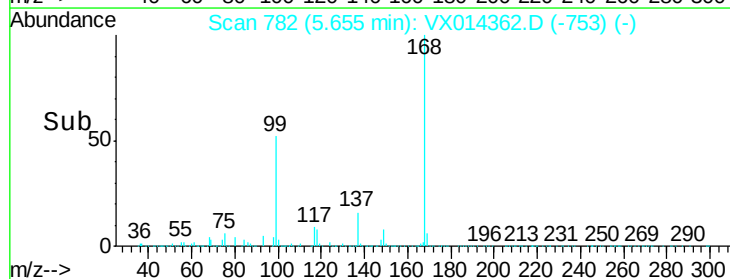
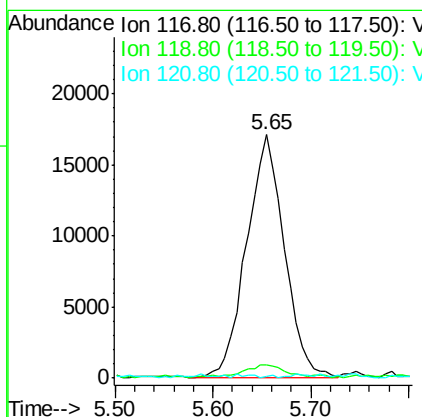
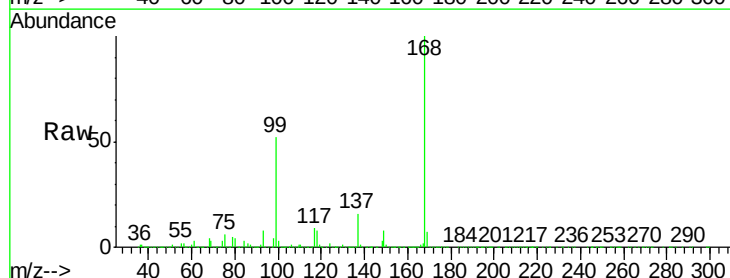
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-DUPLICATE

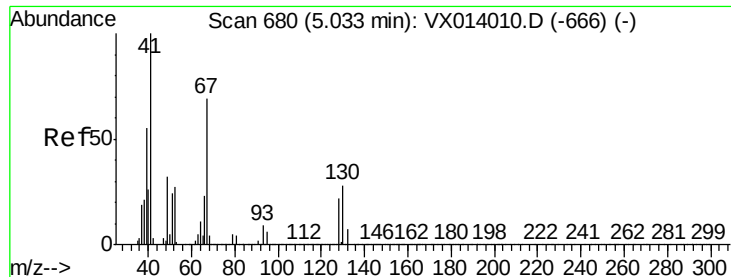
Tot Ion	75	Resp	Lower	Upper
75	100			
110	11.7	18.3	54.9#	
77	0.0	24.8	37.2#	



#38
 Carbon Tetrachloride
 Concen: 6.784 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014362.D
 Acq: 30 Dec 2019 18:30

Tgt Ion	117	Resp	Lower	Upper
117	100			
119	5.3	76.2	114.4#	
121	0.0	23.6	35.4#	





#41

Methacrylonitrile

Concen: 0.250 ug/l

RT: 5.05 min Scan# 683

Delta R.T. 0.02 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

GW-DUPLICATE

Tot Ion: 41 Resp: 1131

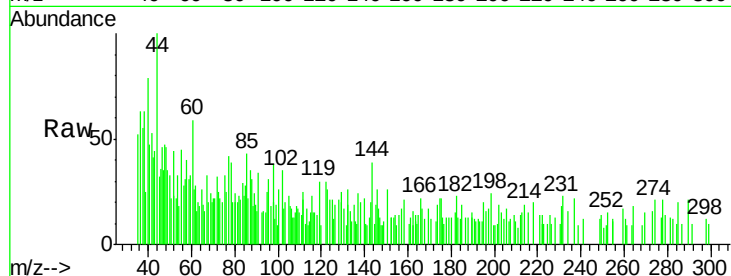
Ion Ratio Lower Upper

41 100

39 0.0 44.5 66.7#

67 0.0 57.4 86.0#

52 18.6 23.0 34.4#

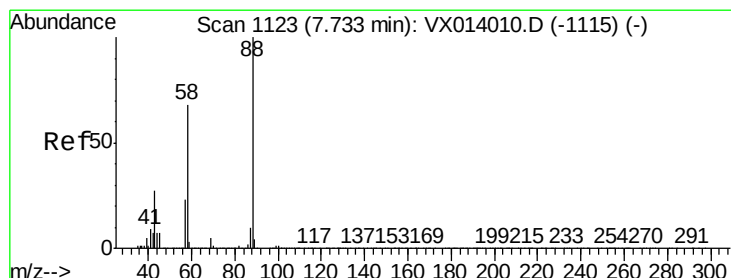
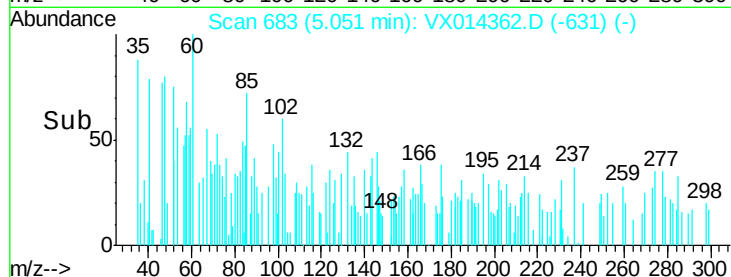
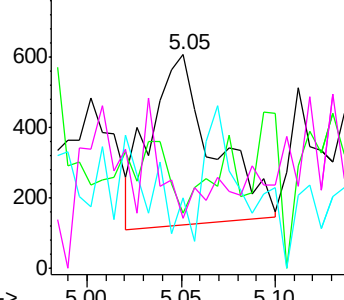


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#49

1,4-Dioxane

Concen: 3.736 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

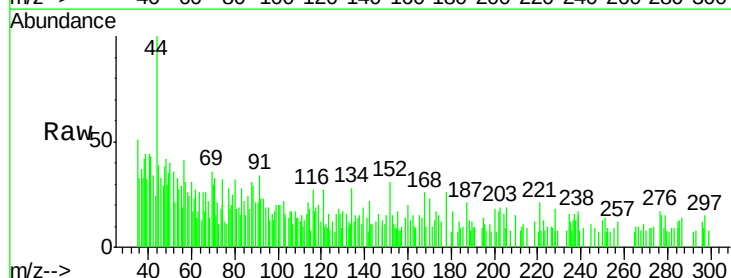
Tgt Ion: 88 Resp: 502

Ion Ratio Lower Upper

88 100

43 36.9 26.5 39.7

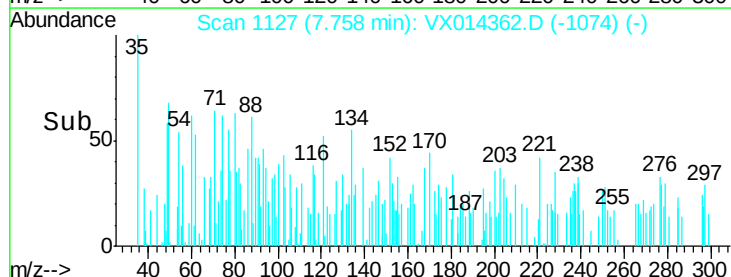
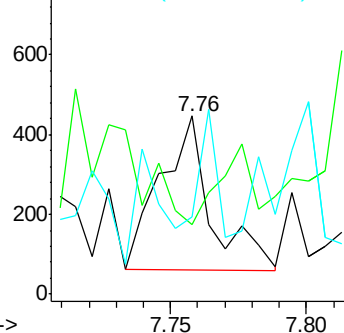
58 38.2 56.8 85.2#

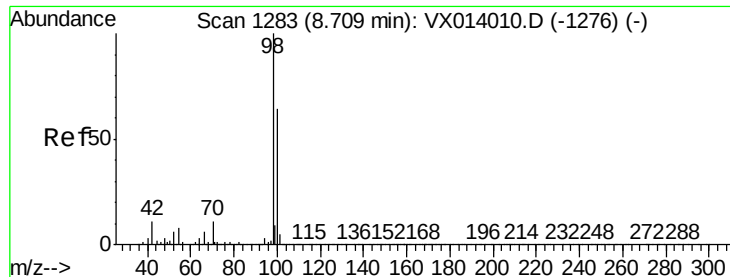


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

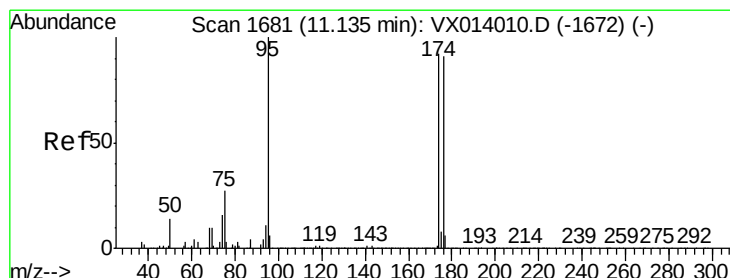
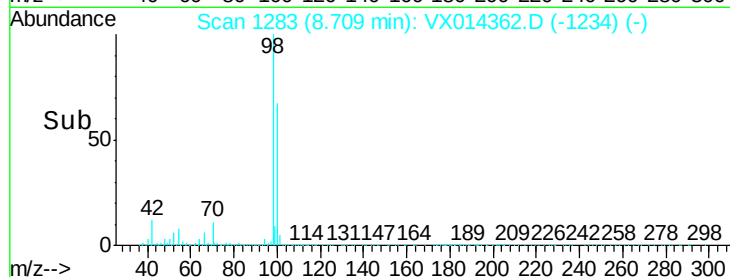
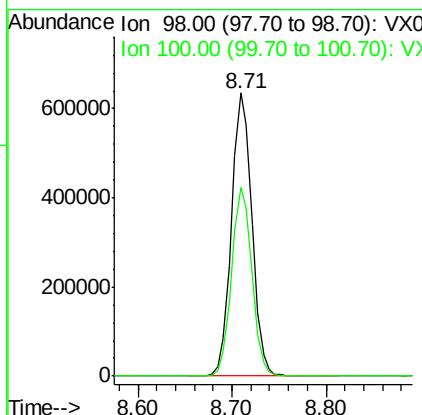
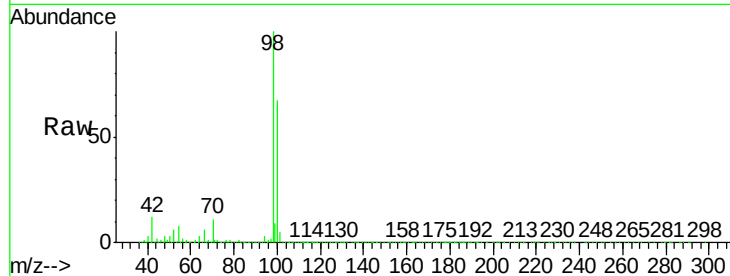




#50
Toluene-d8
Concen: 50.301 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014362.D
Acq: 30 Dec 2019 18:30

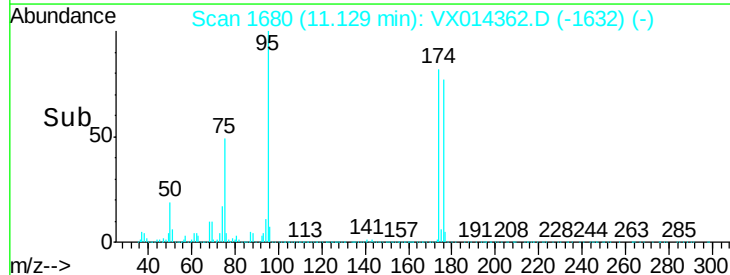
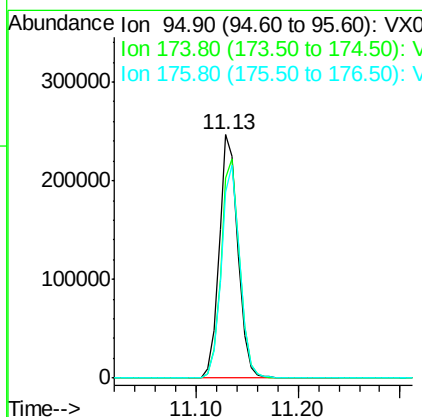
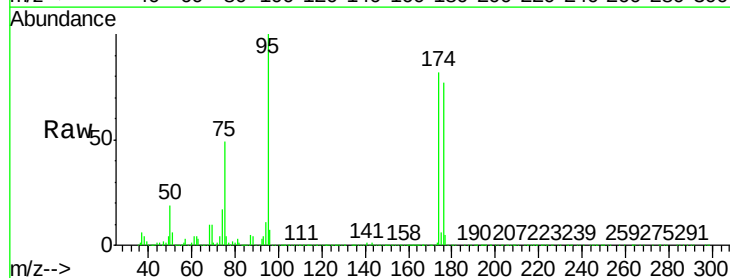
Instrument :
MSVOA_X
ClientSampleId :
GW-DUPLICATE

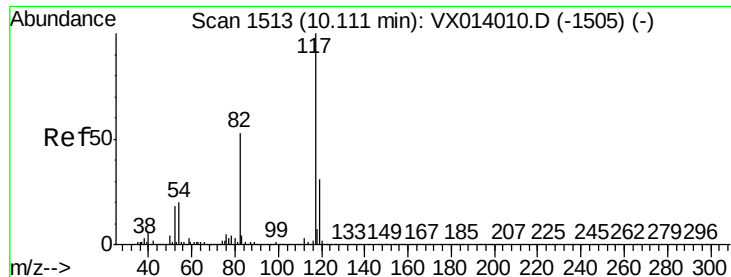
Tot Ion: 98 Resp: 957195
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.691 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014362.D
Acq: 30 Dec 2019 18:30

Tgt Ion: 95 Resp: 317835
Ion Ratio Lower Upper
95 100
174 88.9 0.0 175.8
176 86.0 0.0 173.0

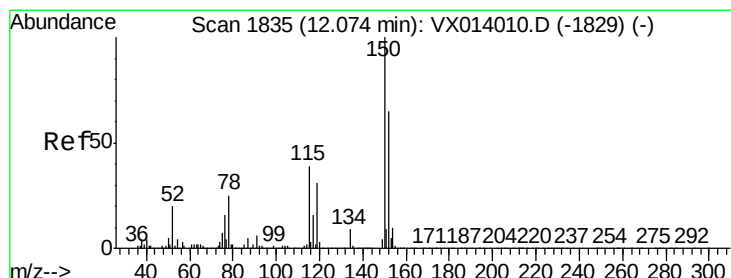
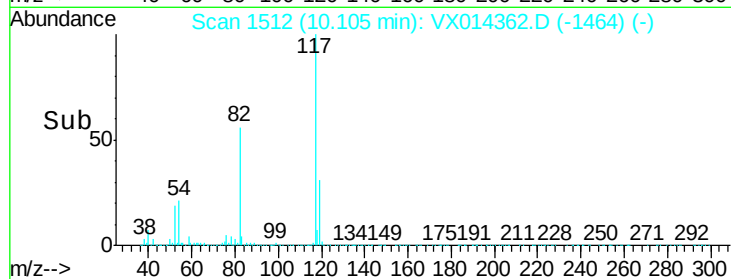
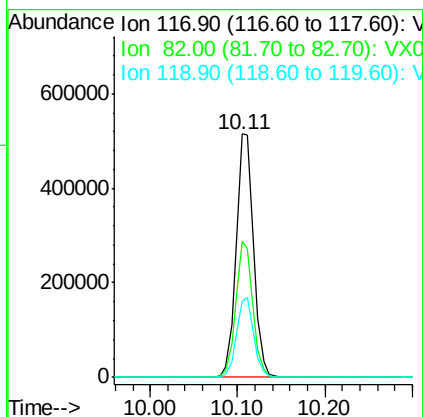
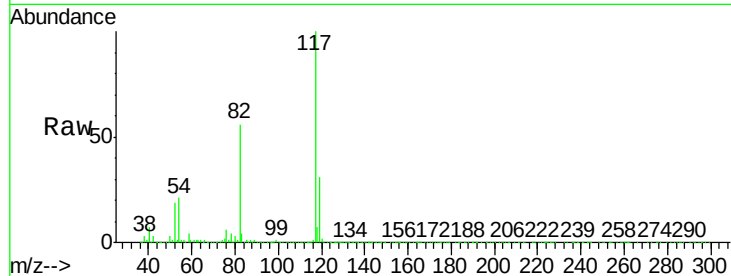




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014362.D
Acq: 30 Dec 2019 18:30

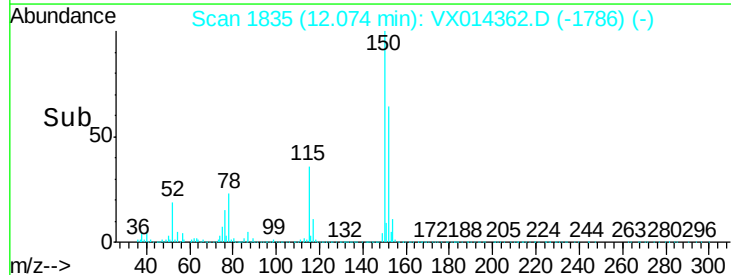
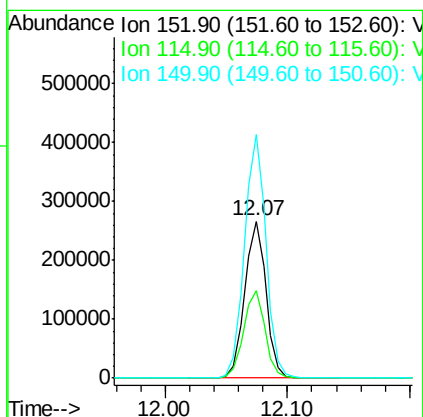
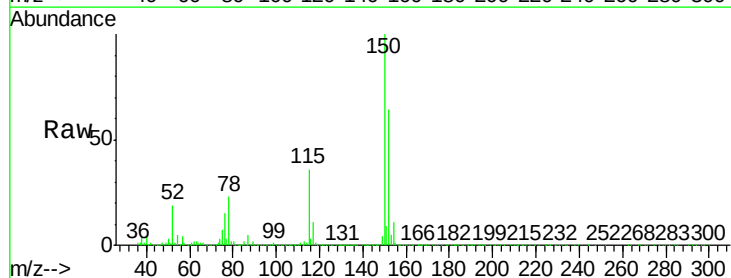
Instrument :
MSVOA_X
ClientSampleId :
GW-DUPLICATE

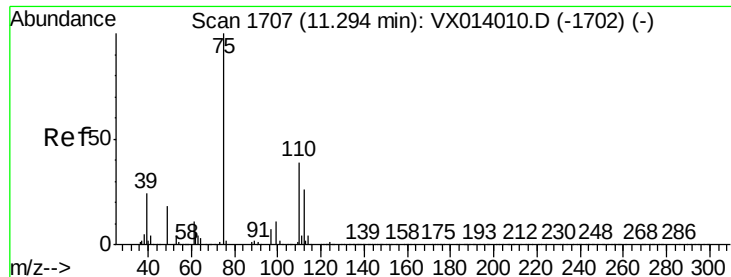
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	42.2	63.4
119	31.0	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014362.D
Acq: 30 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	38.3	114.9
150	155.6	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 22.656 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

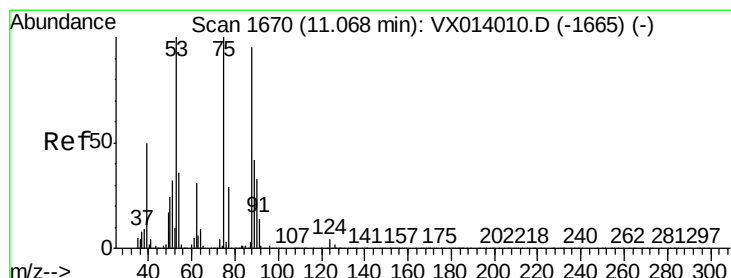
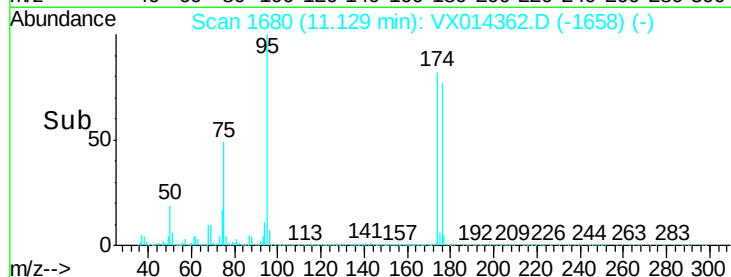
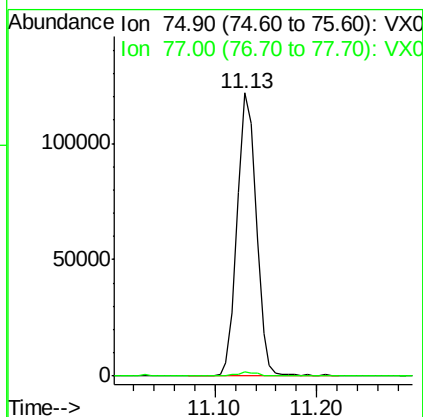
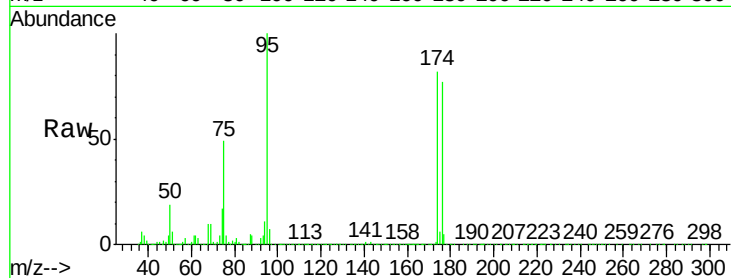
GW-DUPLICATE

Tot Ion: 75 Resp: 158086

Ion Ratio Lower Upper

75 100

77 1.4 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.946 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

Tgt Ion: 75 Resp: 158086

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.2 34.6 51.8#

