

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 :

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%	

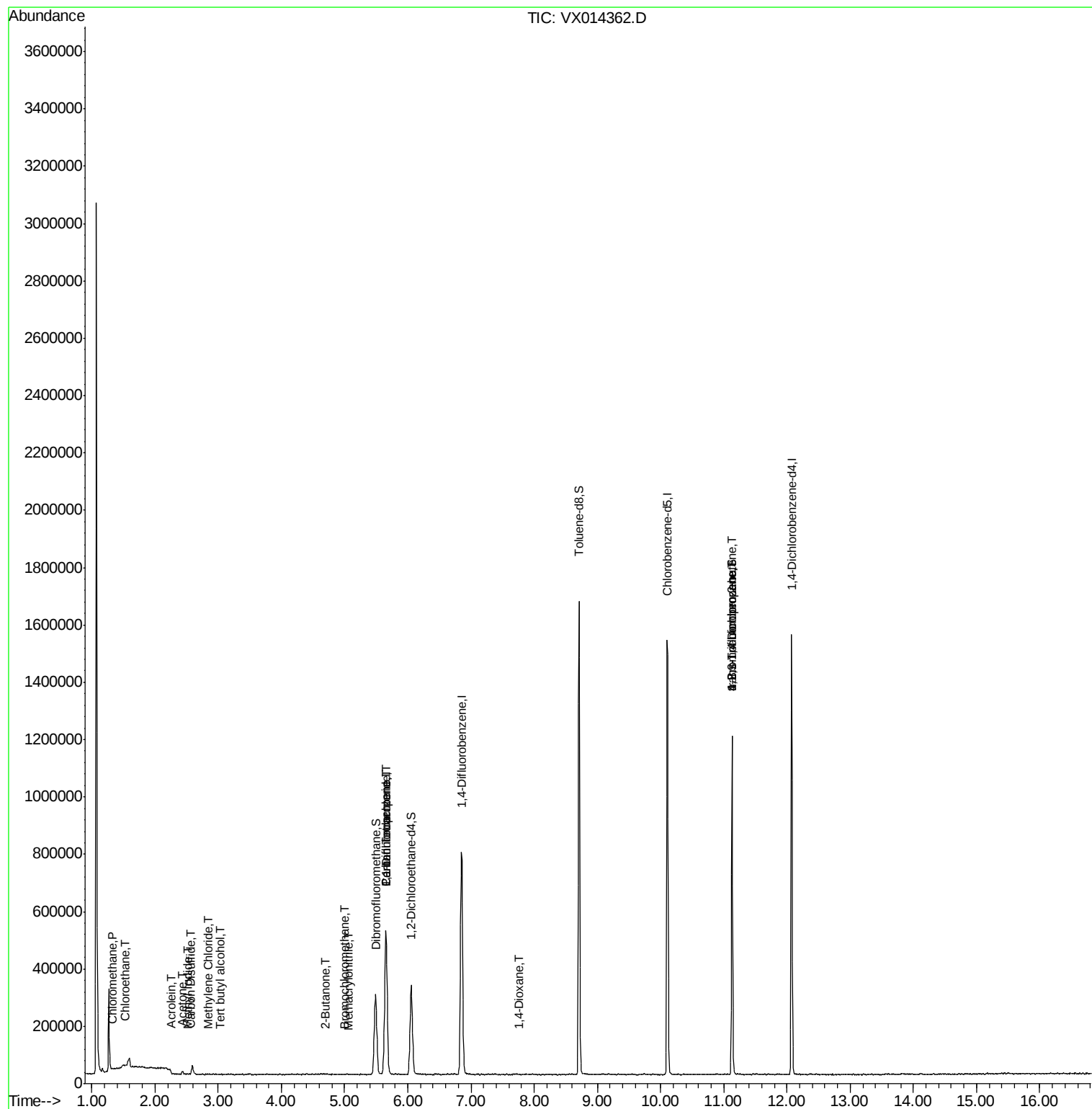
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1484	0.241	ug/l	96
6) Chloroethane	1.53	64	27576	6.877	ug/l #	50
10) Methyl Iodide	2.51	142	281	2.662	ug/l #	1
11) Tert butyl alcohol	3.04	59	770	0.613	ug/l #	72
13) Acrolein	2.27	56	525	0.730	ug/l #	74
16) Acetone	2.43	43	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

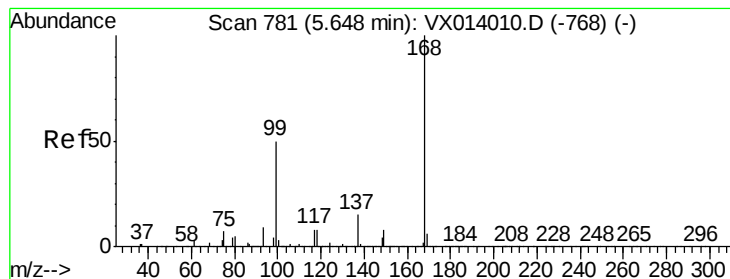
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
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

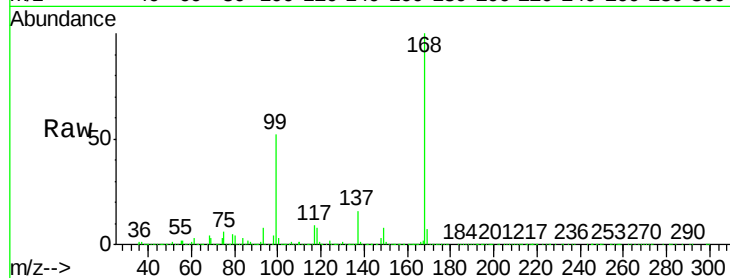
ClientSampleId :

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

5.65

200000

150000

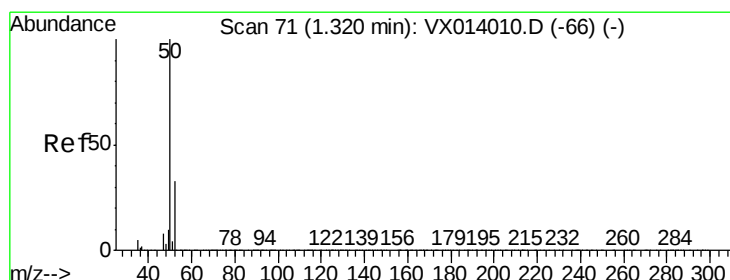
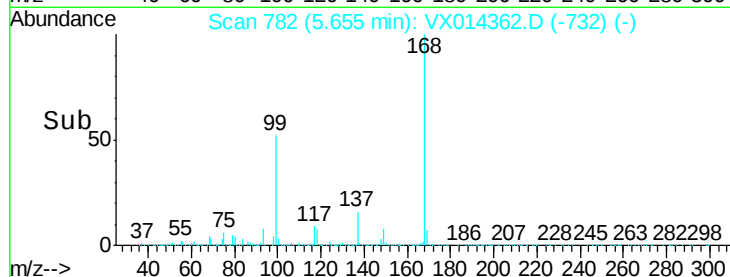
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.241 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014362.D

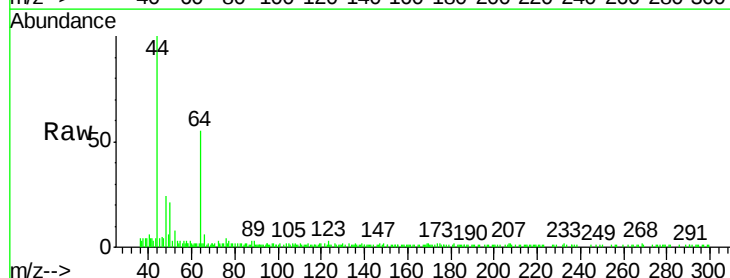
Acq: 30 Dec 2019 18:30

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

1.32

2000

1500

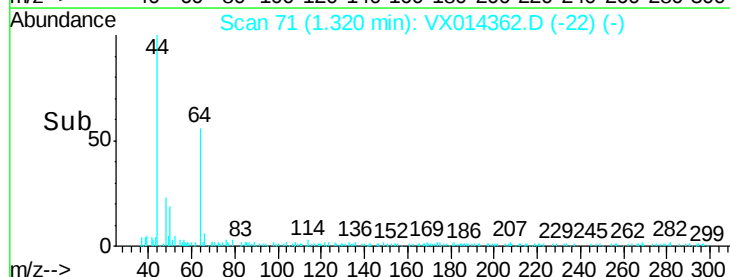
1000

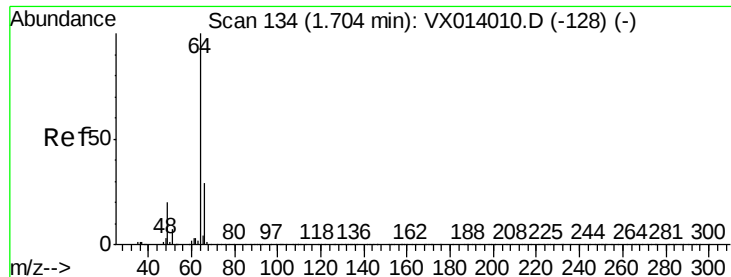
500

0

Time-->

1.30 1.32 1.34





#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

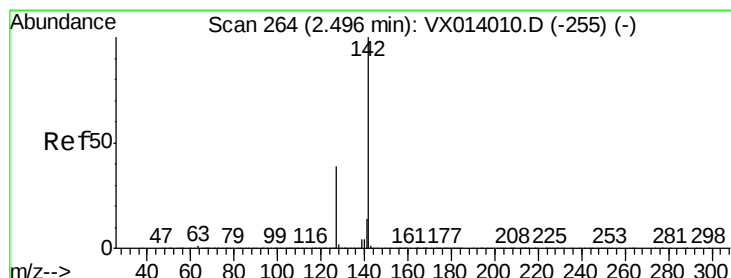
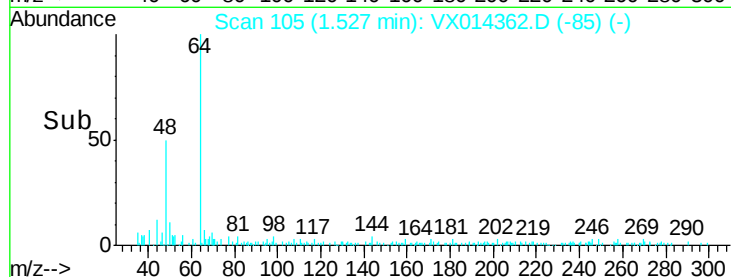
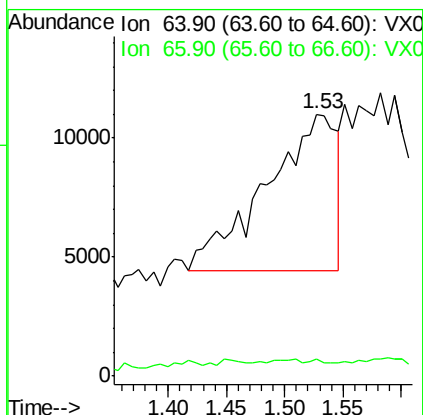
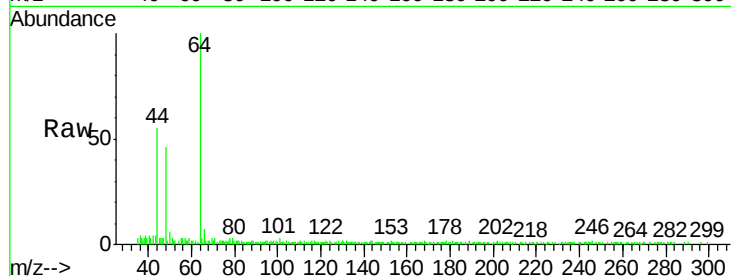
ClientSampleId :

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

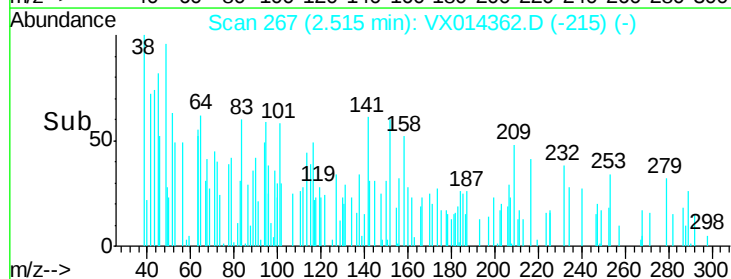
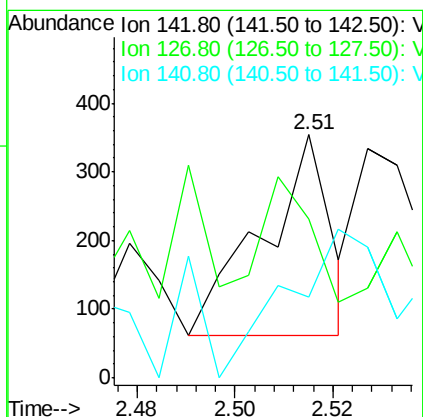
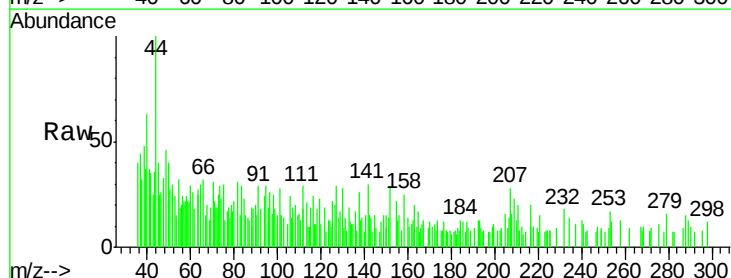
Tgt Ion: 142 Resp: 281

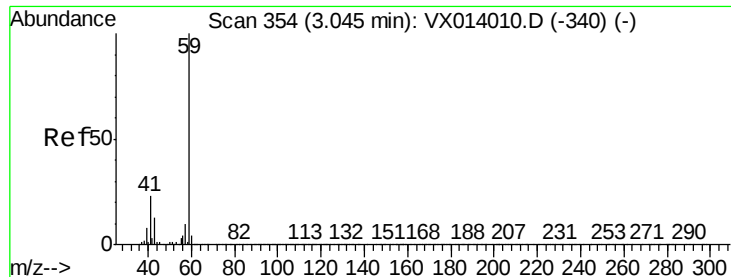
Ion Ratio Lower Upper

142 100

127 61.2 31.6 47.4#

141 142.0 11.6 17.4#



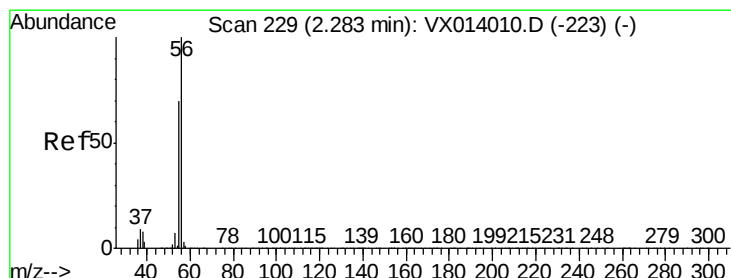
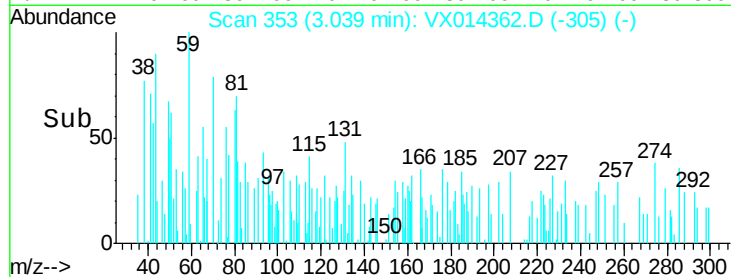
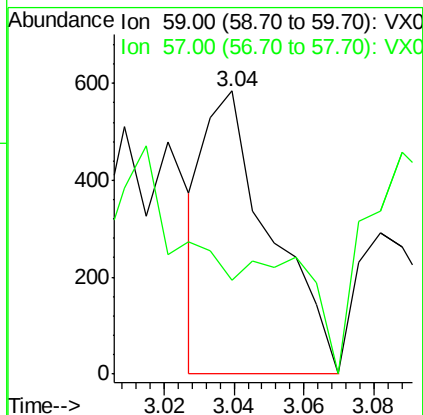
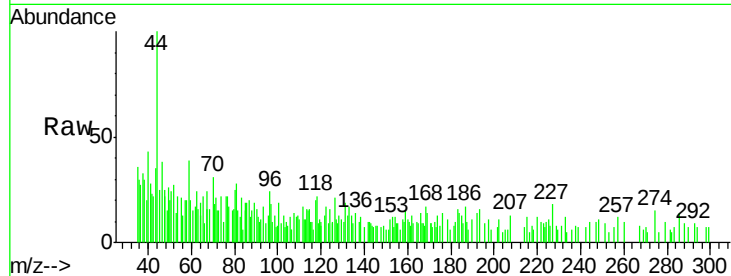


#11

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
ClientSampled :

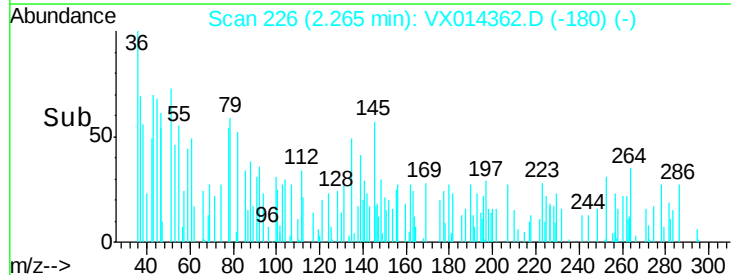
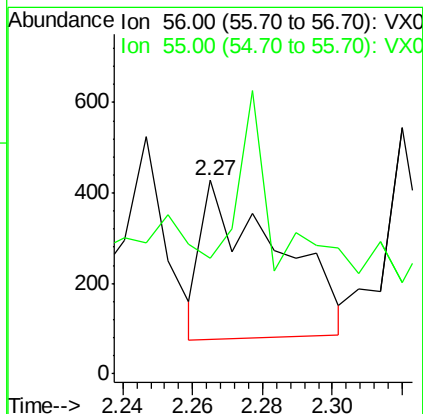
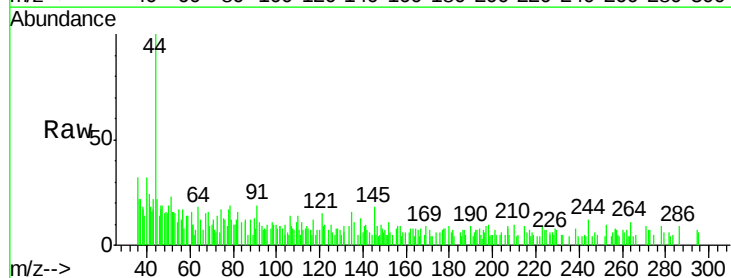
Tot Ion: 59 Resp: 770
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

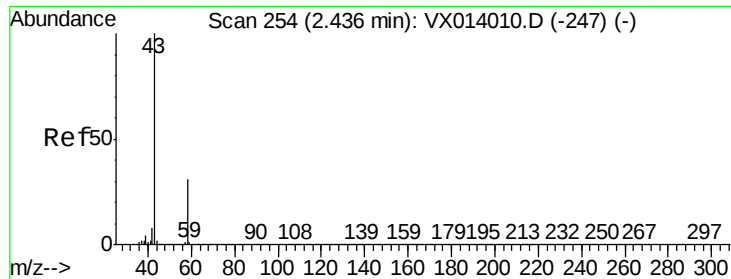


#13

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#

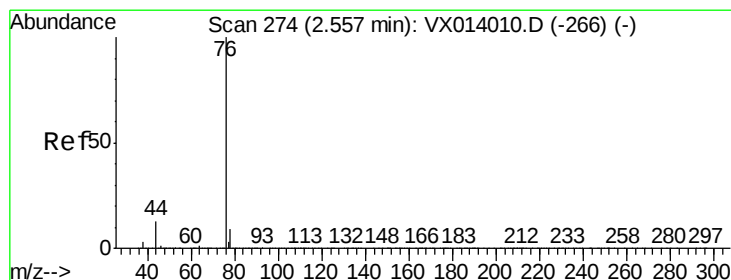
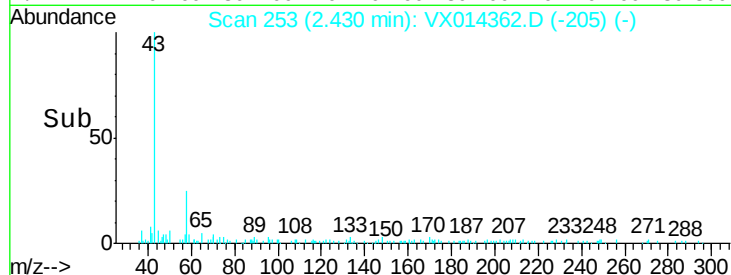
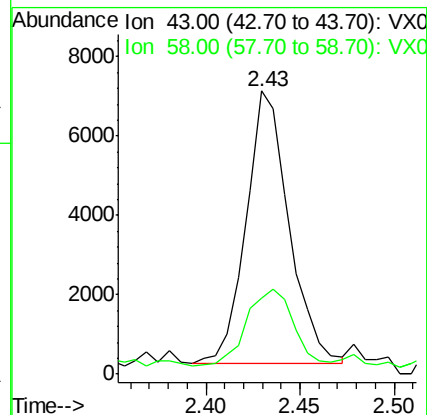
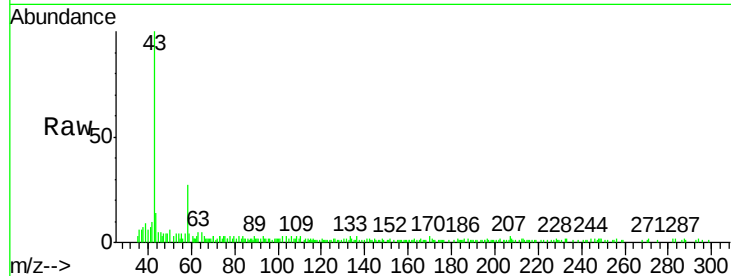




#16
Acetone
Concen: 2.888 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014362.D
Acq: 30 Dec 2019 18:30

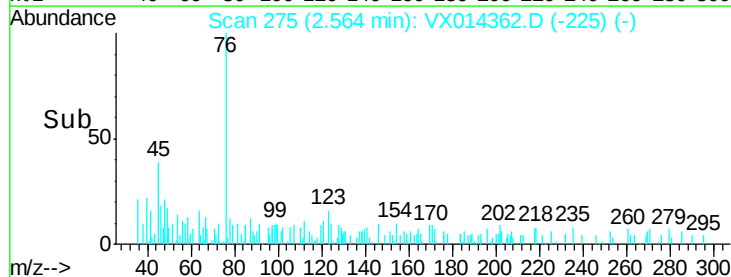
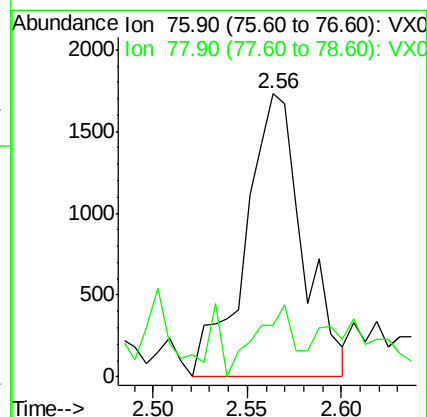
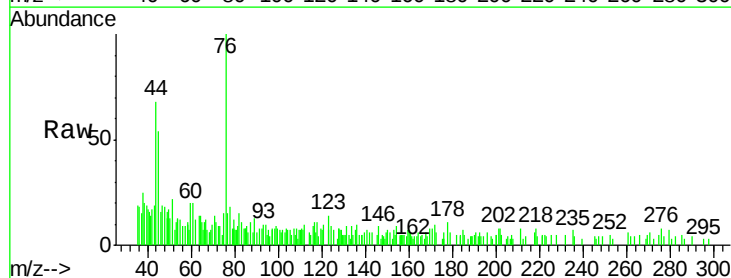
Instrument :
MSVOA_X
ClientSampleId :

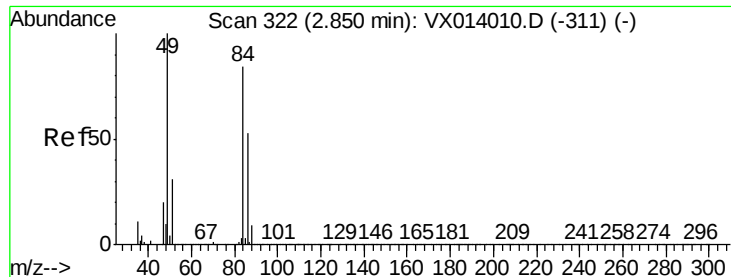
Tot Ion: 43 Resp: 10897
Ion Ratio Lower Upper
43 100
58 24.8 24.9 37.3#



#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

Methvlene Chloride

Concen: 0.299 ug/l

RT: 2.84 min Scan# 321

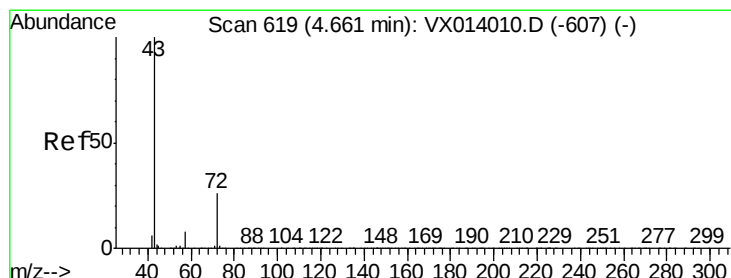
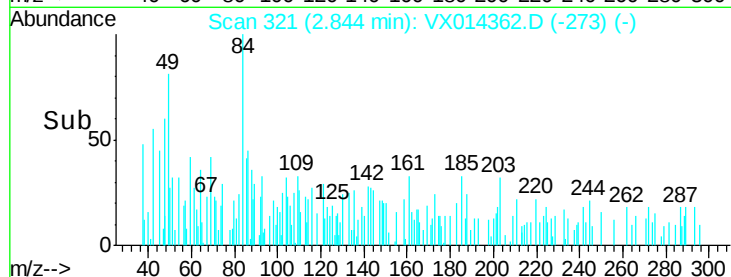
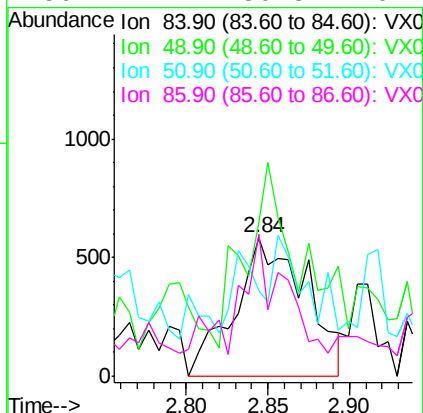
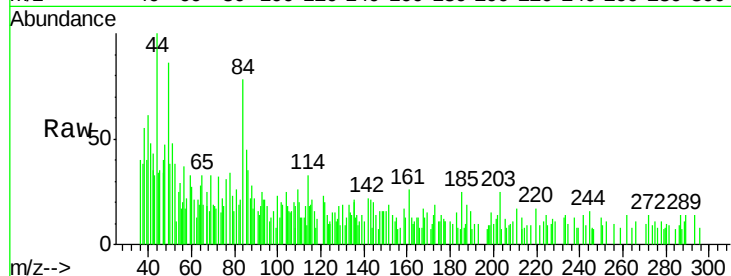
Delta R.T. -0.01 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

Instrument :
MSVOA_X
ClientSampled :

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

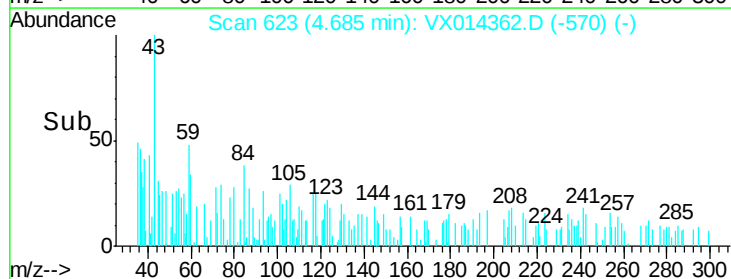
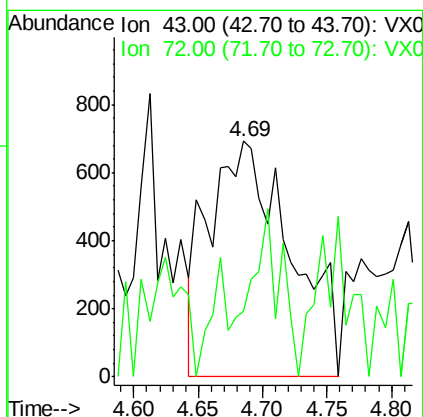
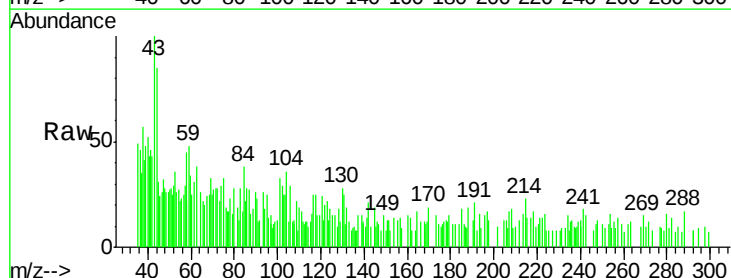
RT: 4.69 min Scan# 623

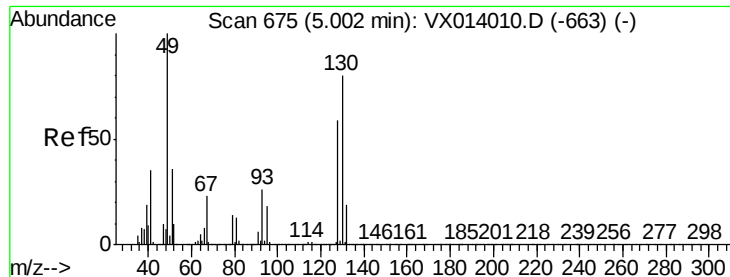
Delta R.T. 0.02 min

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

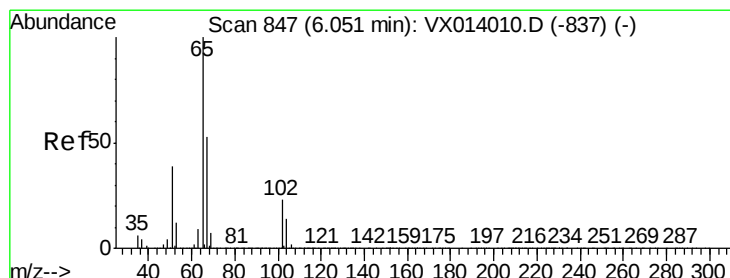
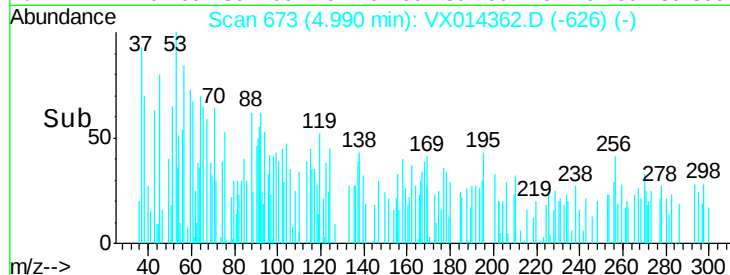
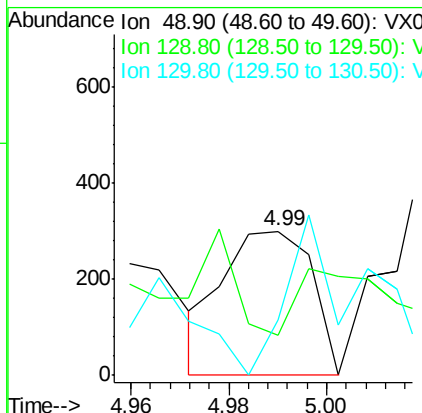
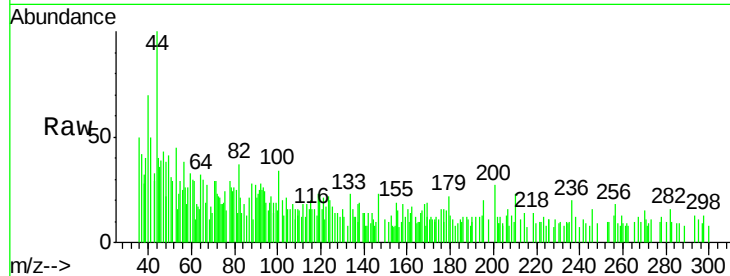
Delta R.T. -0.01 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

Instrument :
MSVOA_X
ClientSampled :

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



#33

1,2-Dichloroethane-d4

Concen: 50.222 ug/l

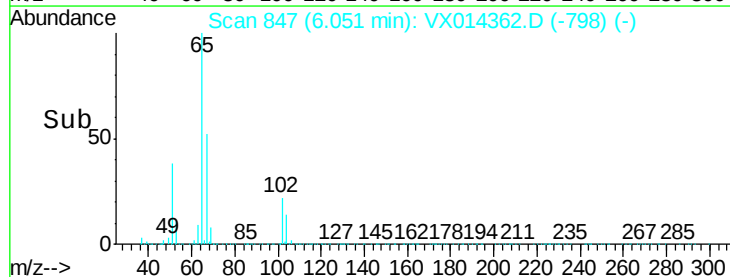
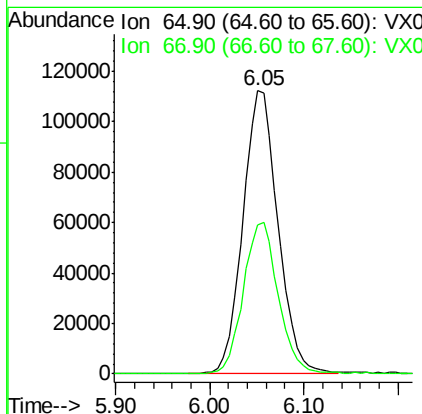
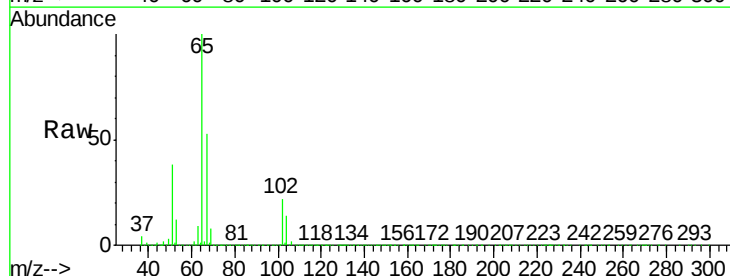
RT: 6.05 min Scan# 847

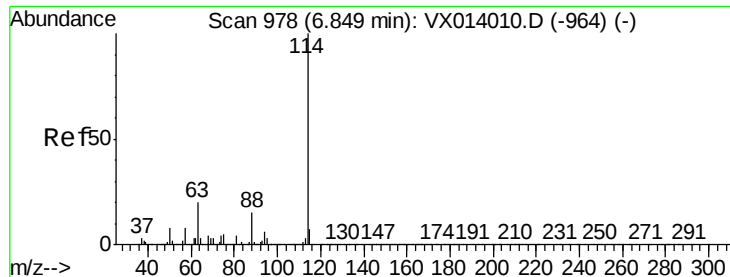
Delta R.T. 0.00 min

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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

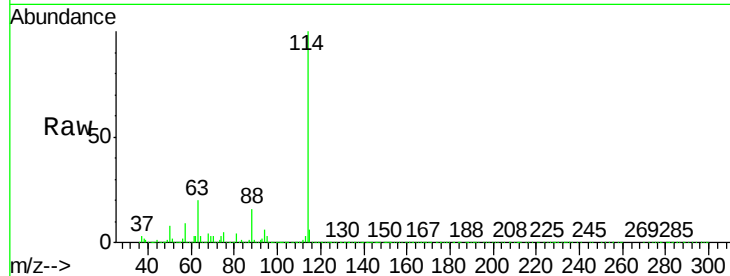
Delta R.T. 0.00 min

Lab File: VX014362.D

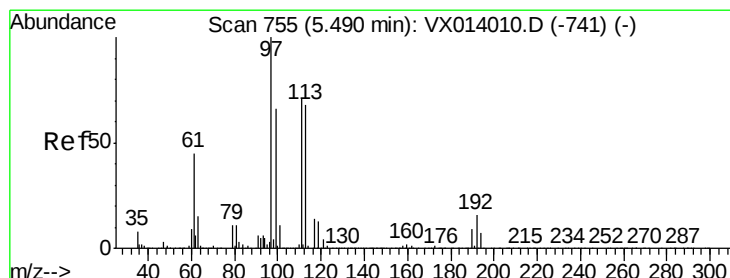
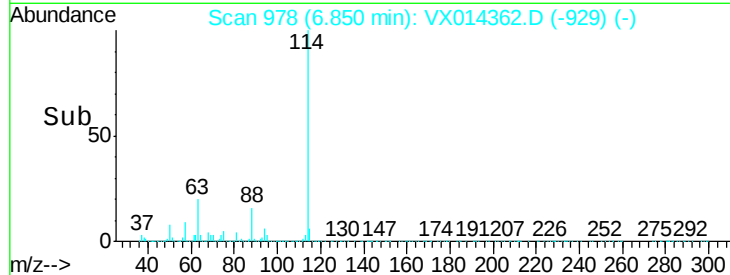
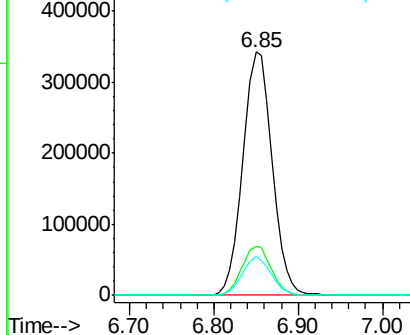
Acq: 30 Dec 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :

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

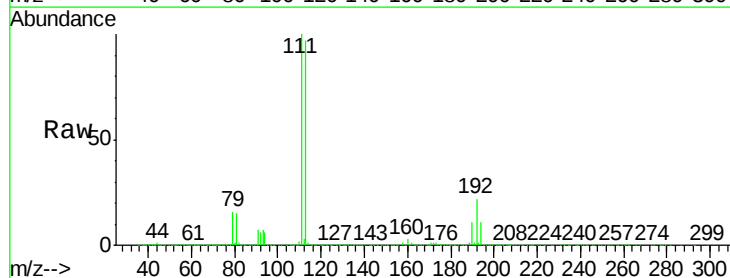
RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

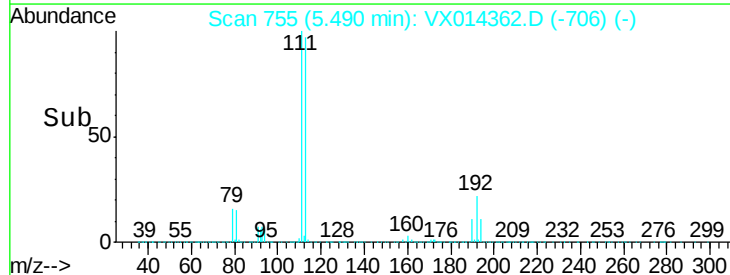
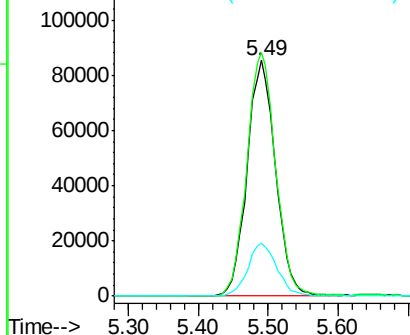
Lab File: VX014362.D

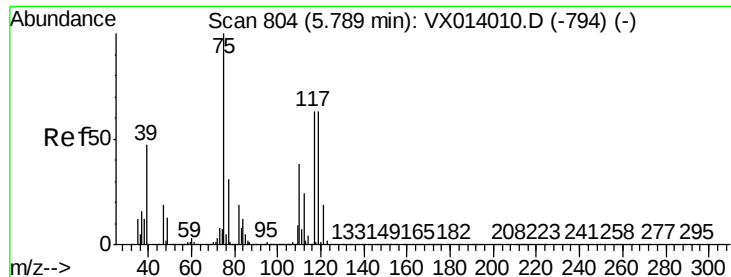
Acq: 30 Dec 2019 18:30

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

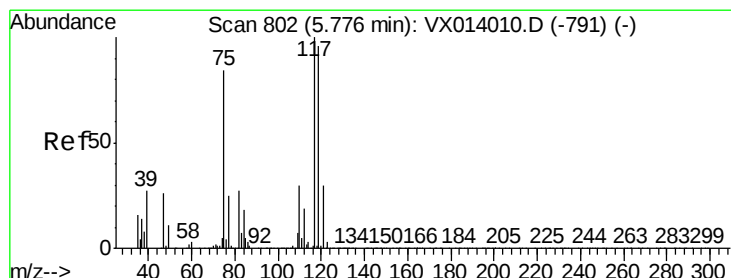
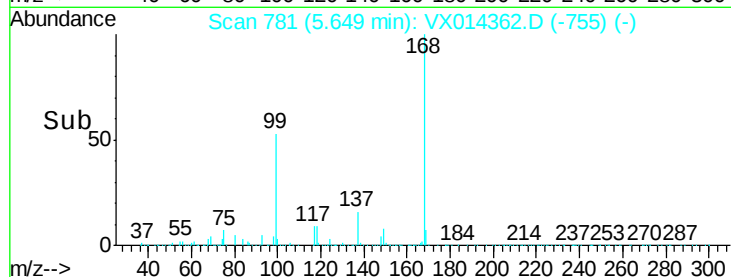
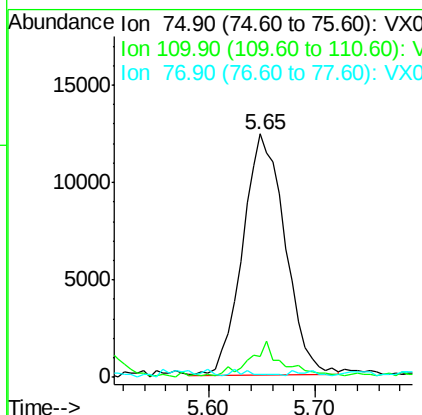
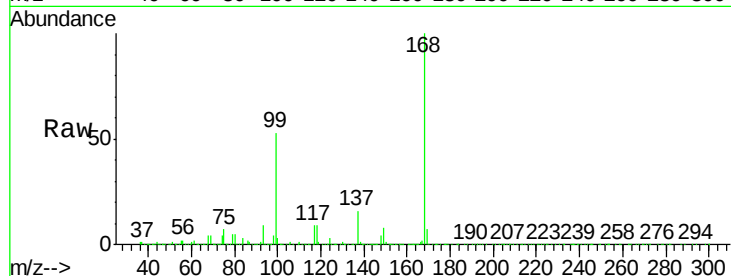




#36
 1,1-Dichloropropene
 Concen: 4.705 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014362.D
 Acq: 30 Dec 2019 18:30

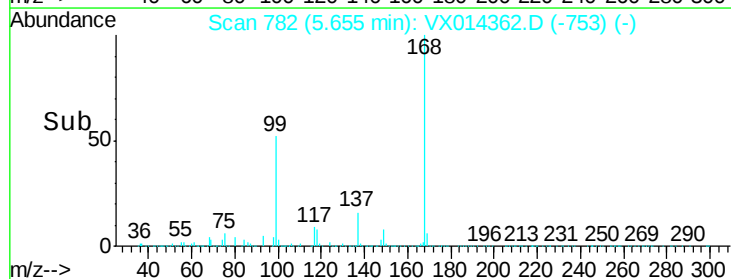
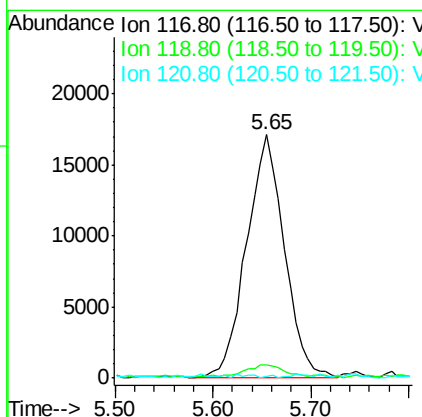
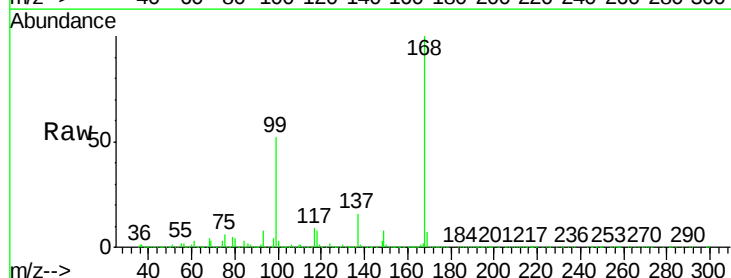
Instrument :
 MSVOA_X
 ClientSampleId :

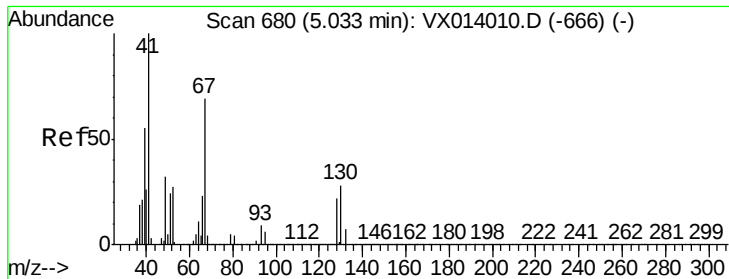
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.7	18.3	54.9#
77	0.0	24.8	37.2#



#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	Ratio	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

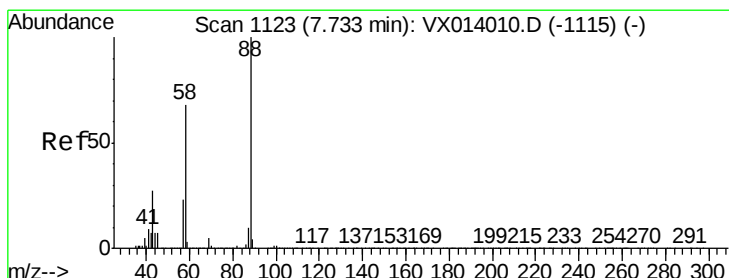
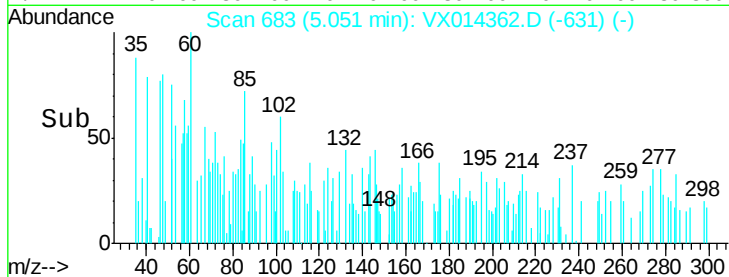
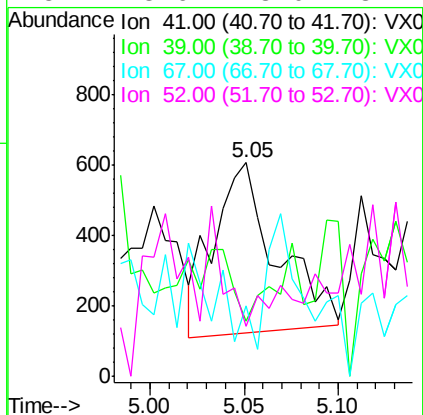
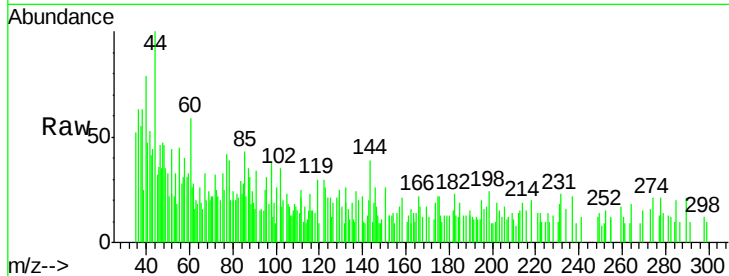
Delta R.T. 0.02 min

Lab File: VX014362.D

Acq: 30 Dec 2019 18:30

Instrument :
MSVOA_X
ClientSampled :

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#



#49

1,4-Dioxane

Concen: 3.736 ug/l

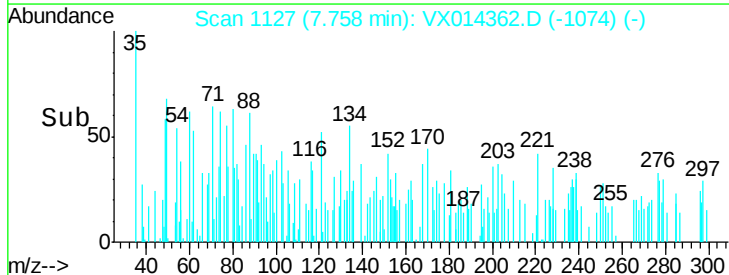
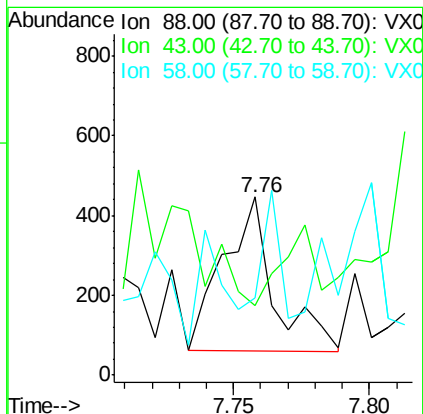
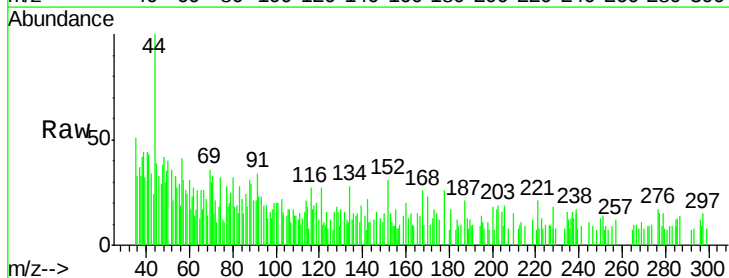
RT: 7.76 min Scan# 1127

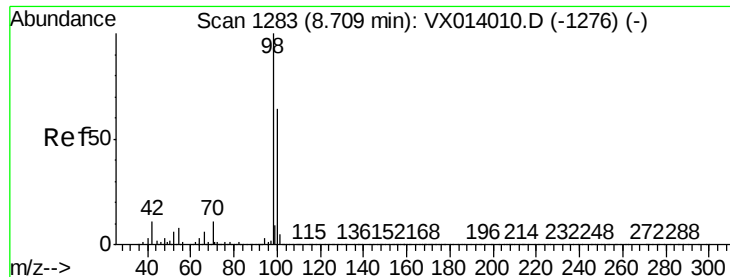
Delta R.T. 0.02 min

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#





#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

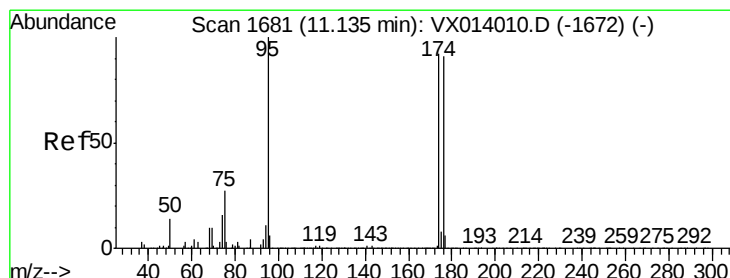
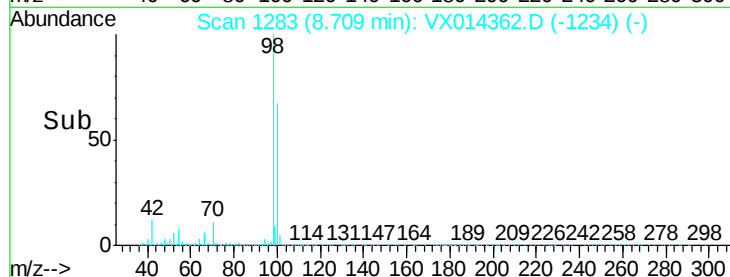
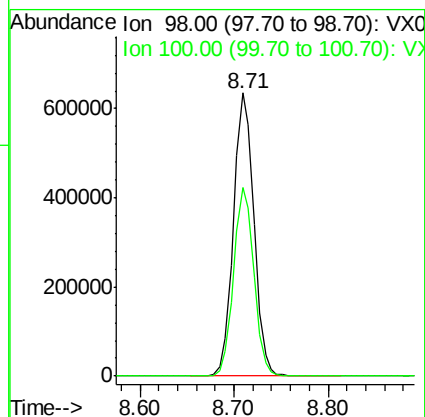
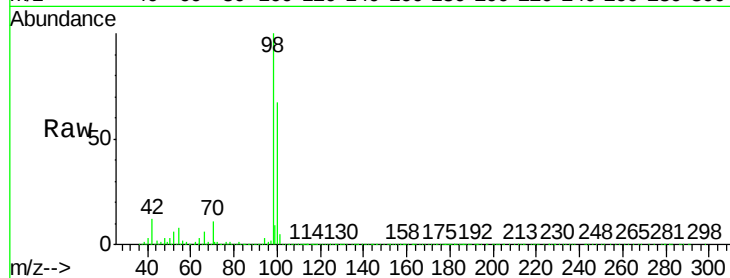
Instrument :
MSVOA_X
ClientSampleId :

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

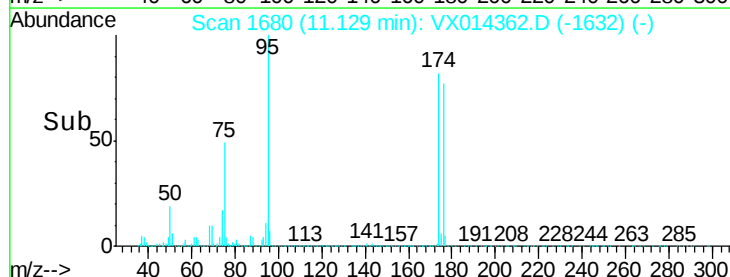
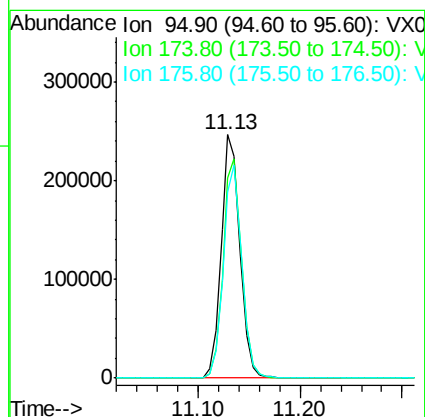
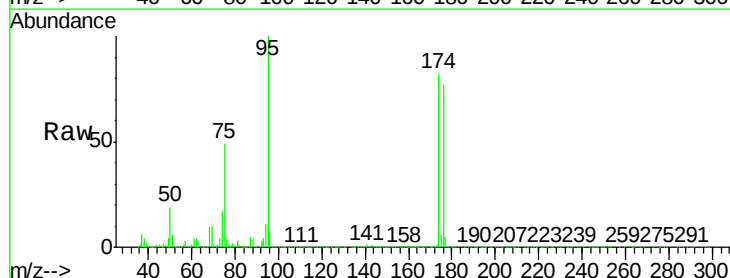
Tgt Ion: 95 Resp: 317835

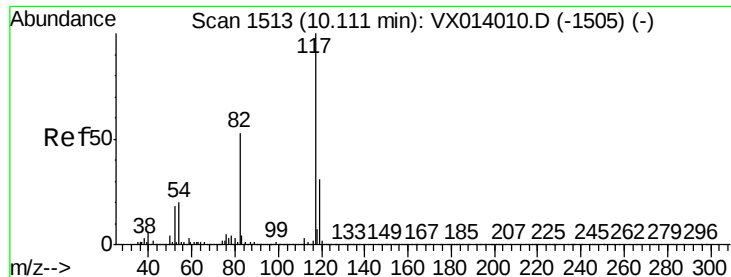
Ion Ratio Lower Upper

95 100

174 88.9 0.0 175.8

176 86.0 0.0 173.0

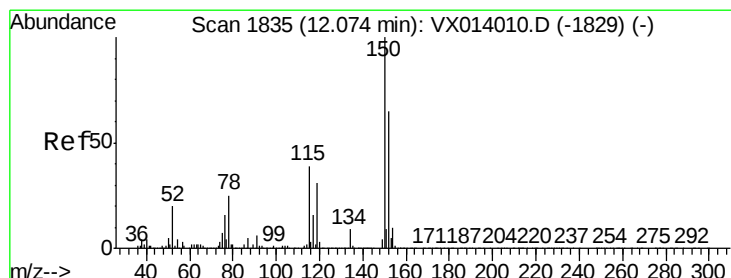
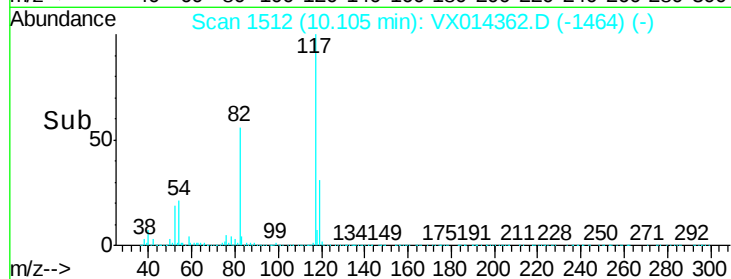
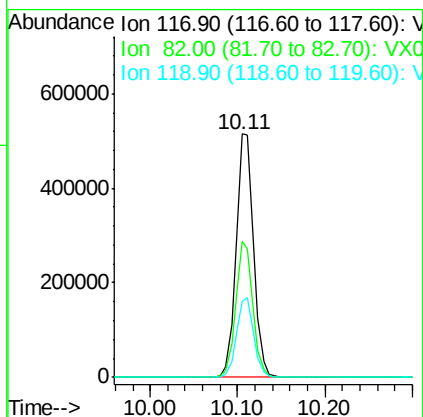
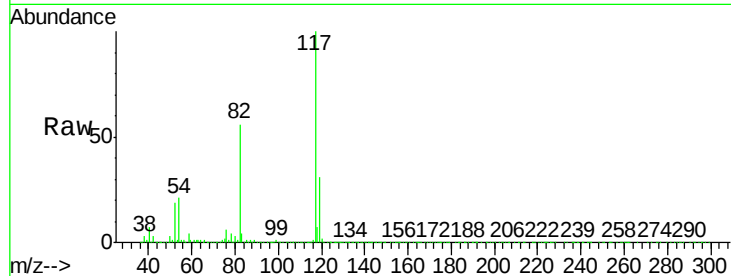




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014362.D
Acq: 30 Dec 2019 18:30

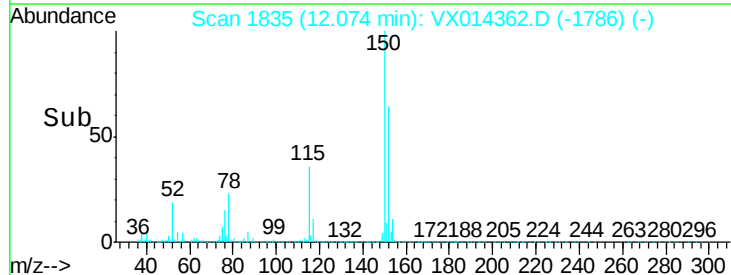
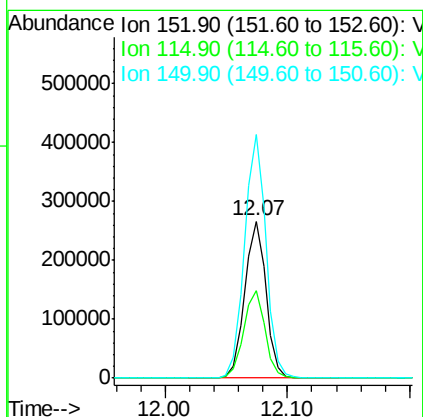
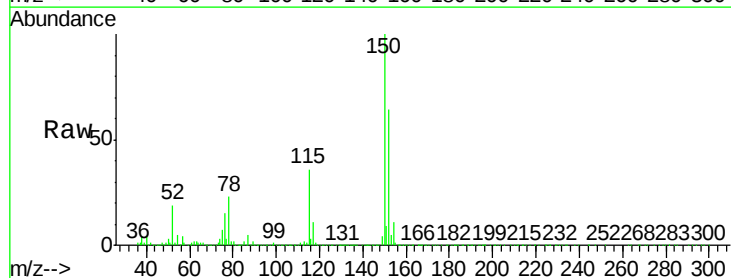
Instrument :
MSVOA_X
ClientSampleId :

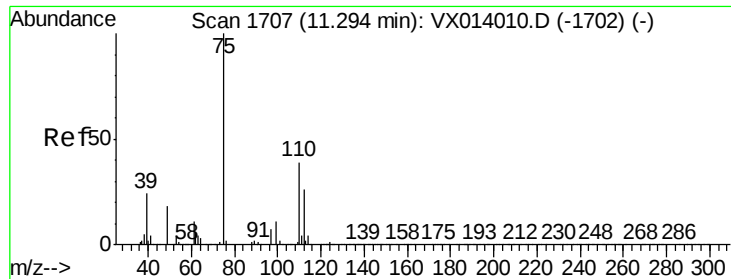
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	42.2	63.4
119	31.0	25.1	37.7



#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

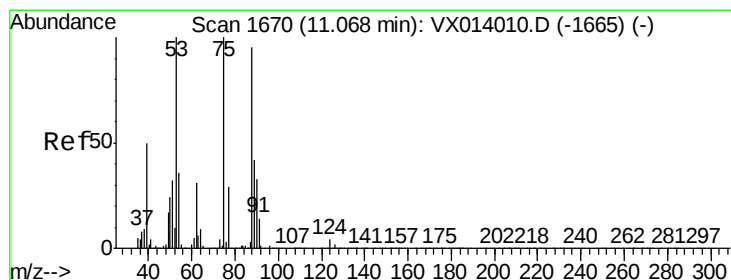
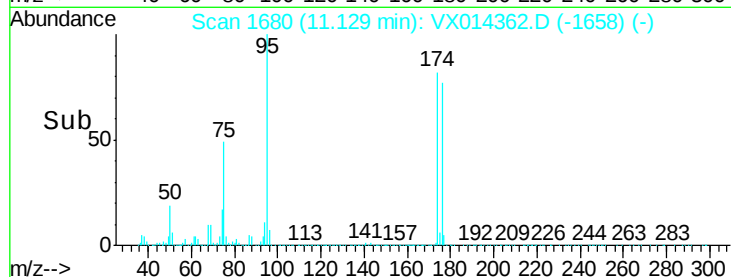
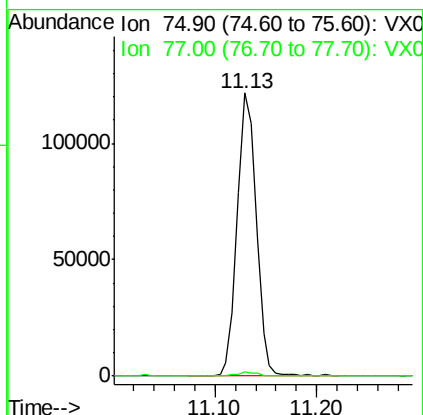
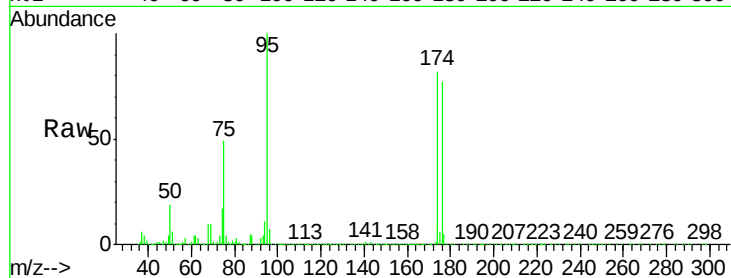
ClientSampled :

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#

