

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
 Data File : VX014226.D
 Acq On : 24 Dec 2019 01:41
 Operator : JC/SP
 Sample : K6401-05 100X
 Misc : 4.53g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C0B39

Quant Time: Dec 24 03:49:30 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	560379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	854050	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	766009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	344315	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	306292	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
35) Dibromofluoromethane	5.49	113	251750	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	8.71	98	1004312	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.13	95	339646	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	

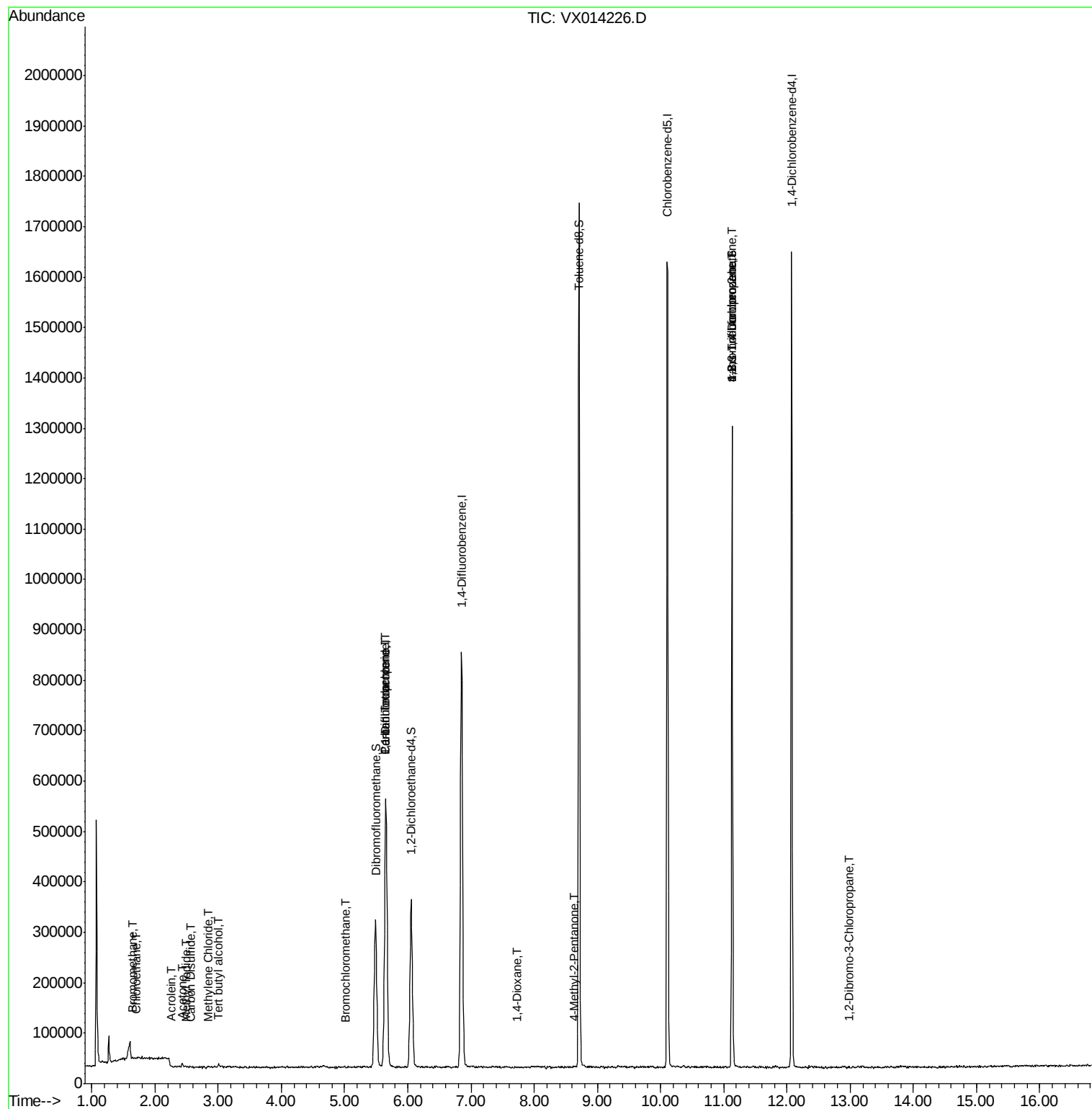
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2181	0.433	ug/l #	43
6) Chloroethane	1.69	64	958	0.219	ug/l #	59
10) Methyl Iodide	2.49	142	367	2.671	ug/l #	1
11) Tert butyl alcohol	3.01	59	4866	3.546	ug/l #	92
13) Acrolein	2.26	56	345	0.439	ug/l #	14
16) Acetone	2.43	43	9339	2.265	ug/l	91
17) Carbon Disulfide	2.56	76	1140	0.825	ug/l #	89
20) Methylene Chloride	2.84	84	1811	0.279	ug/l #	51
28) Bromochloromethane	5.01	49	958	0.685	ug/l #	19
36) 1,1-Dichloropropene	5.65	75	38616	4.928	ug/l #	51
38) Carbon Tetrachloride	5.65	117	49727	6.966	ug/l #	16
49) 1,4-Dioxane	7.73	88	750	5.255	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	2663	0.296	ug/l	88
76) 1,2,3-Trichloropropane	11.13	75	167253	22.375	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	167253	63.154	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.98	75	462	0.248	ug/l #	36

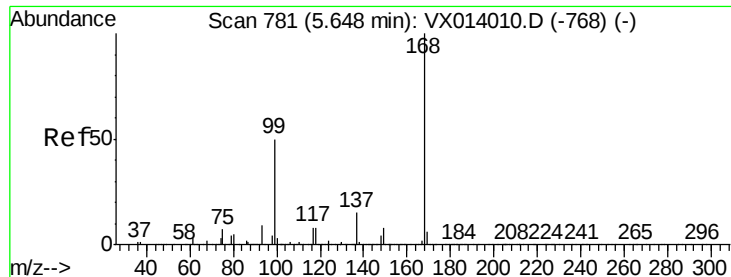
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

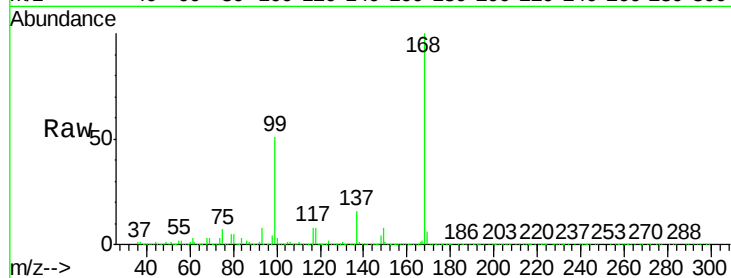
C0B39

Tgt Ion: 168 Resp: 560379

Ion Ratio Lower Upper

168 100

99 51.2 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

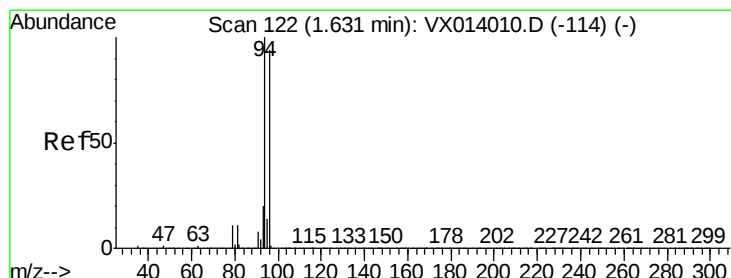
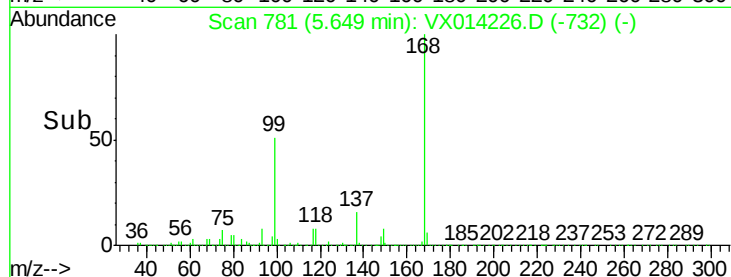
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.433 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014226.D

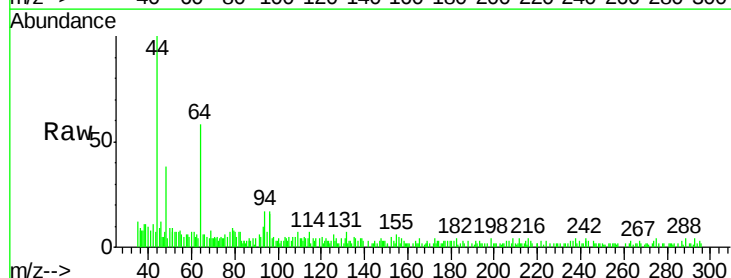
Acq: 24 Dec 2019 01:41

Tgt Ion: 94 Resp: 2181

Ion Ratio Lower Upper

94 100

96 149.1 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

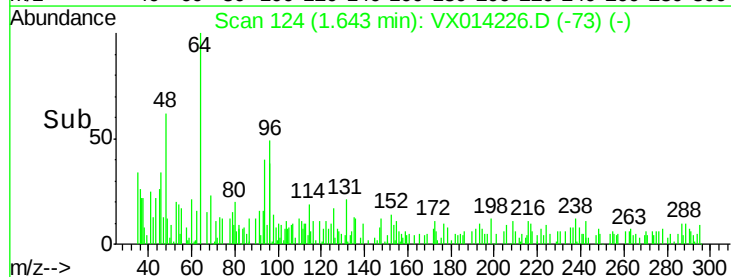
1000

500

0

1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: 0.219 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.01 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

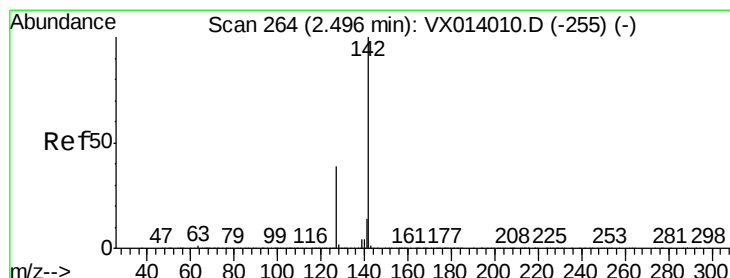
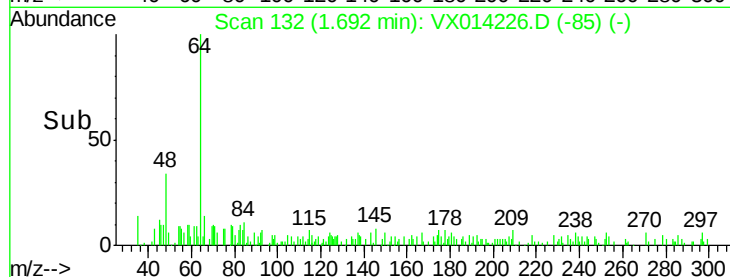
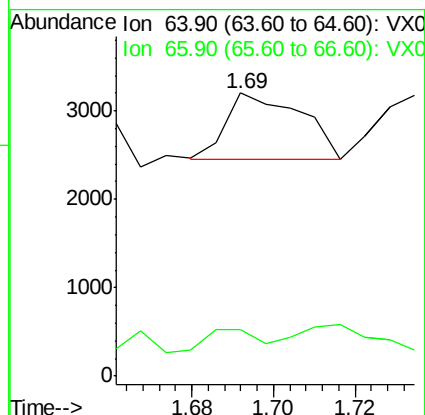
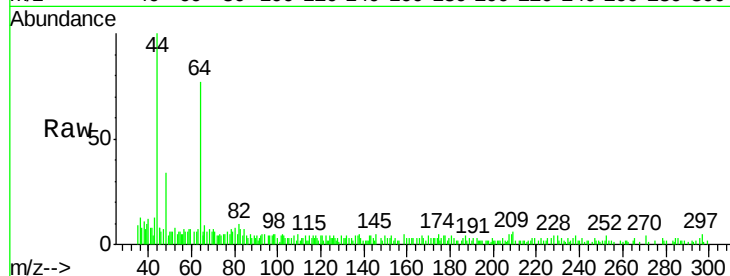
C0B39

Tgt Ion: 64 Resp: 958

Ion Ratio Lower Upper

64 100

66 7.5 23.4 35.2#



#10

Methyl Iodide

Concen: 2.671 ug/l

RT: 2.49 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

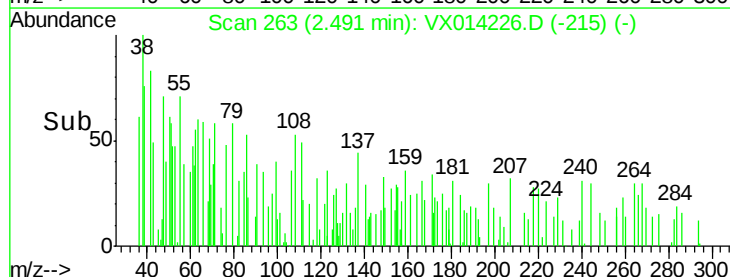
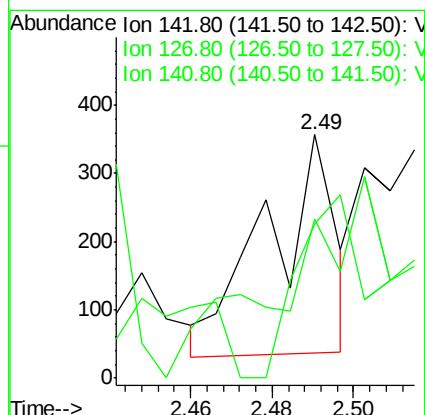
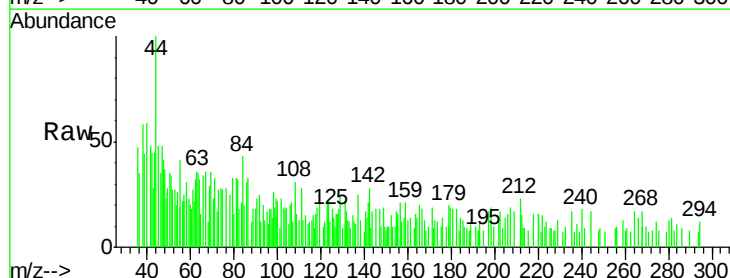
Tgt Ion: 142 Resp: 367

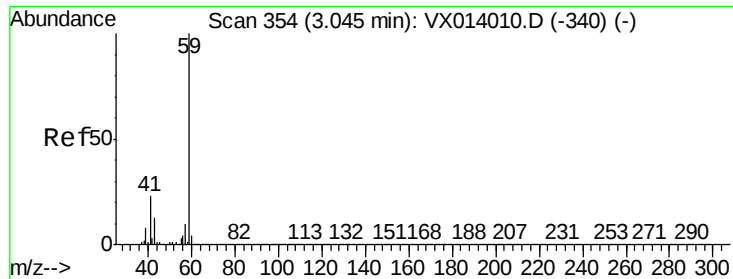
Ion Ratio Lower Upper

142 100

127 165.4 31.6 47.4#

141 89.4 11.6 17.4#



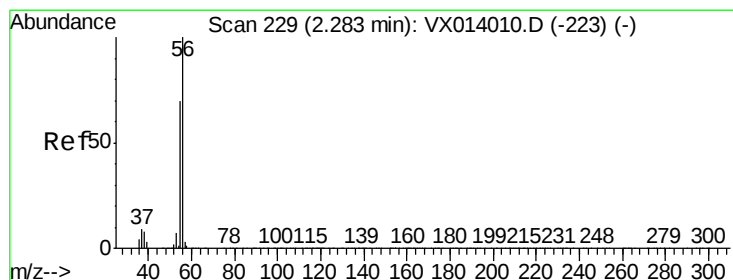
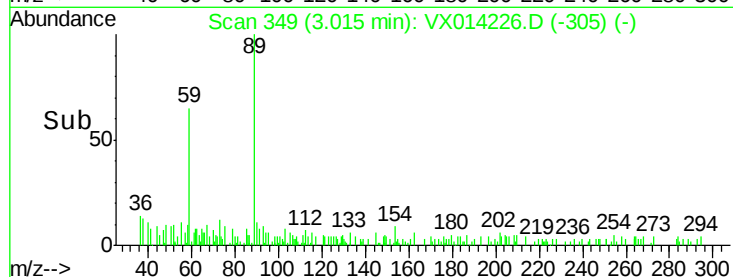
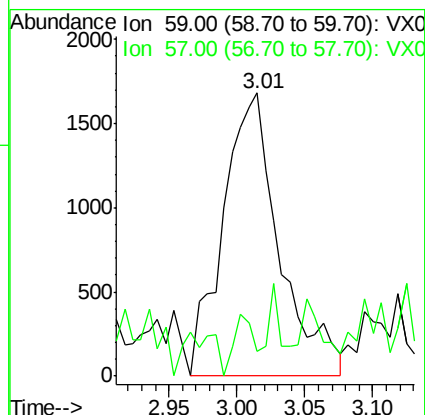
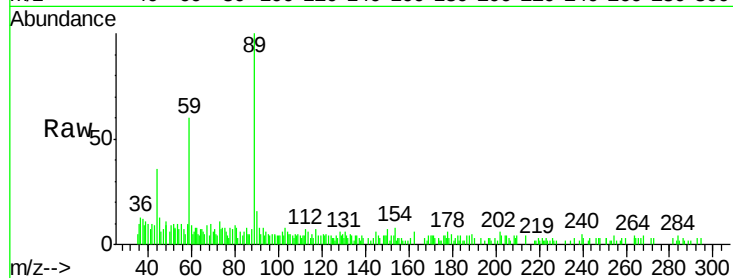


#11

Tert butyl alcohol
 Concen: 3.546 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.03 min
 Lab File: VX014226.D
 Acq: 24 Dec 2019 01:41

Instrument :
 MSVOA_X
 ClientSampleId :
 C0B39

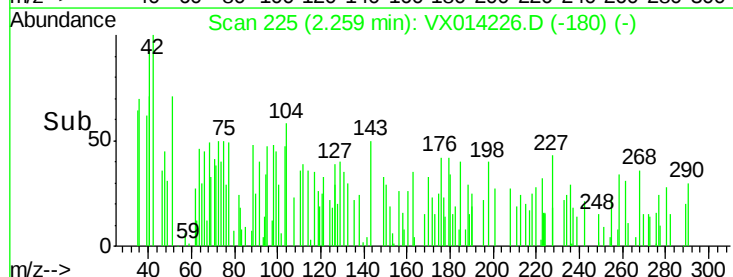
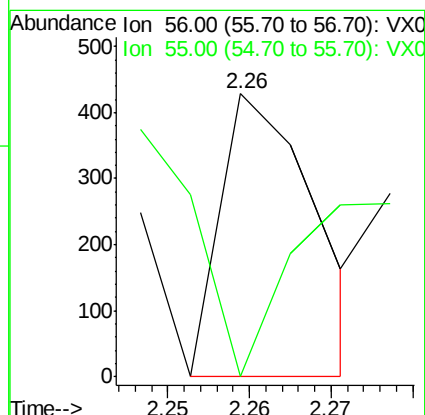
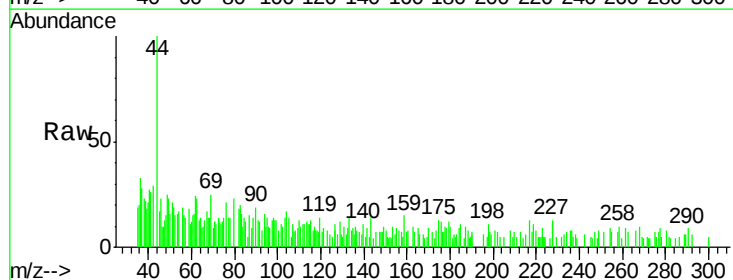
Tgt Ion: 59 Resp: 4866
 Ion Ratio Lower Upper
 59 100
 57 7.5 8.4 12.6#

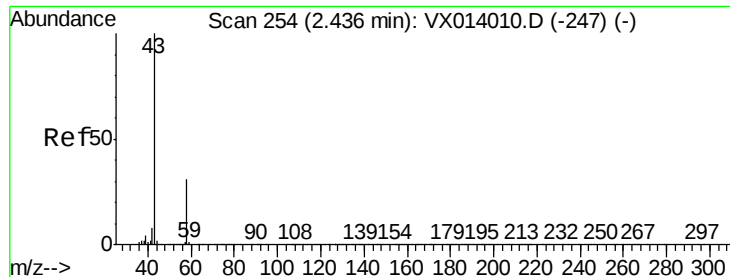


#13

Acrolein
 Concen: 0.439 ug/l
 RT: 2.26 min Scan# 225
 Delta R.T. -0.02 min
 Lab File: VX014226.D
 Acq: 24 Dec 2019 01:41

Tgt Ion: 56 Resp: 345
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 2.265 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

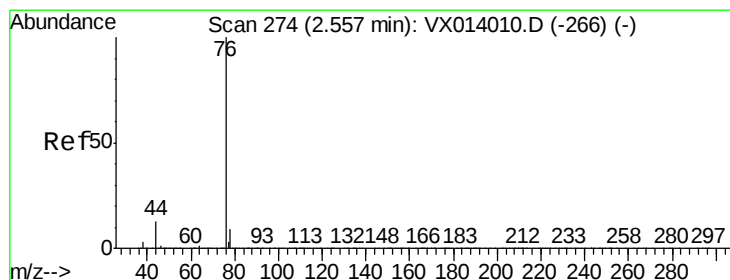
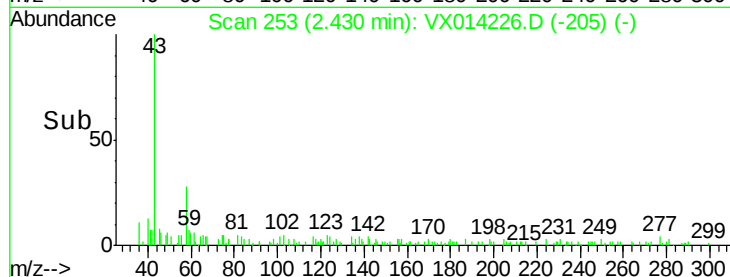
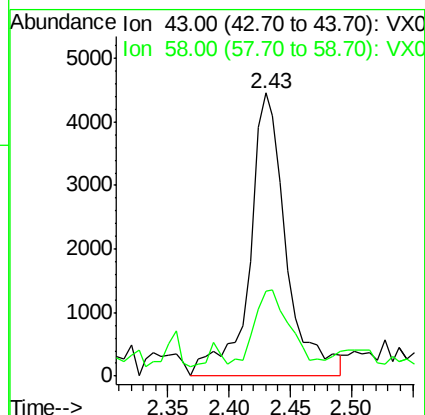
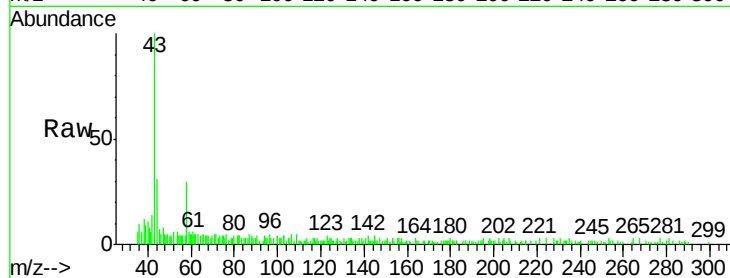
C0B39

Tgt Ion: 43 Resp: 9339

Ion Ratio Lower Upper

43 100

58 26.3 24.9 37.3



#17

Carbon Disulfide

Concen: 0.825 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014226.D

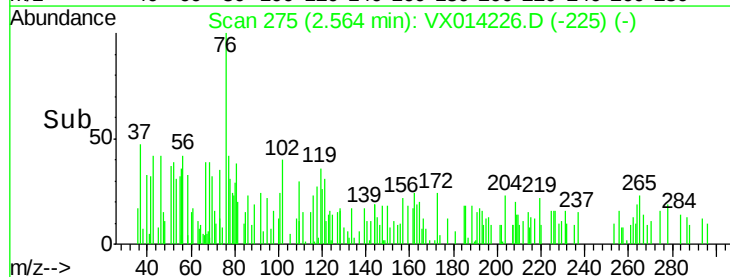
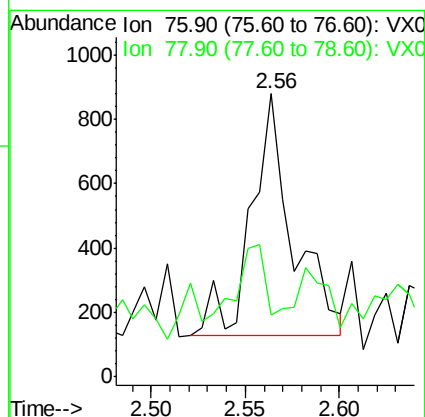
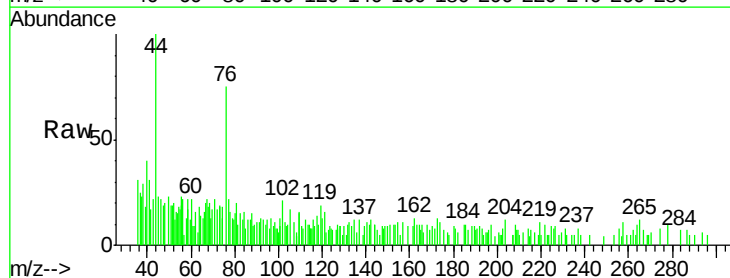
Acq: 24 Dec 2019 01:41

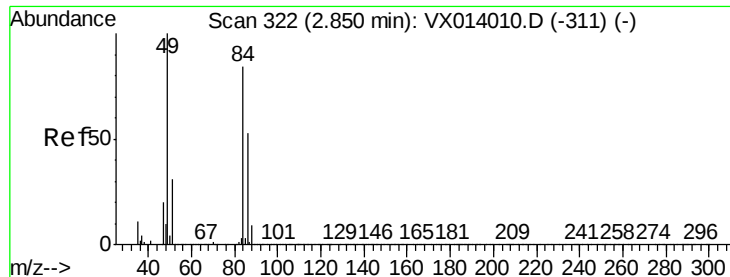
Tgt Ion: 76 Resp: 1140

Ion Ratio Lower Upper

76 100

78 5.1 7.2 10.8#

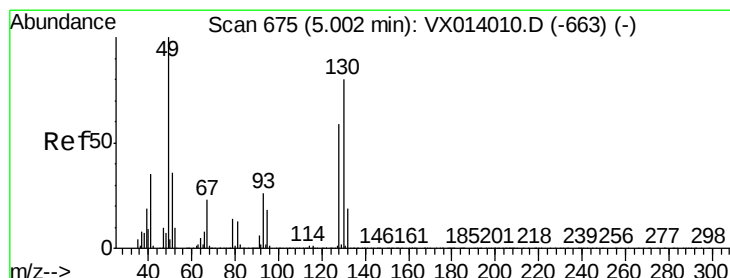
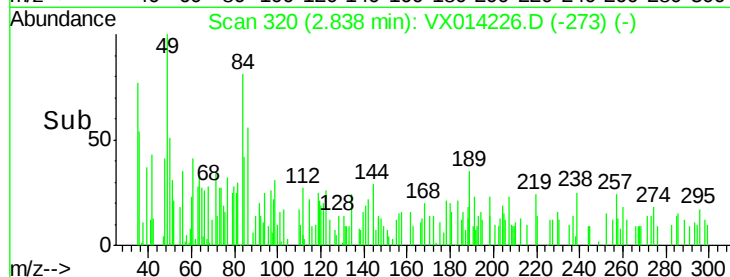
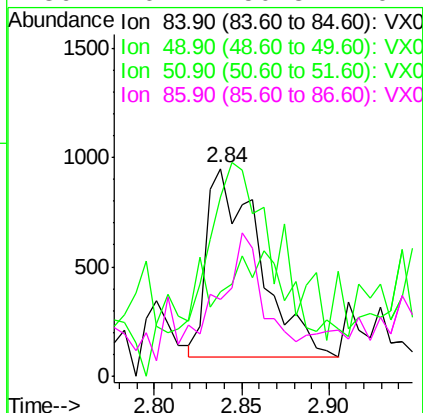
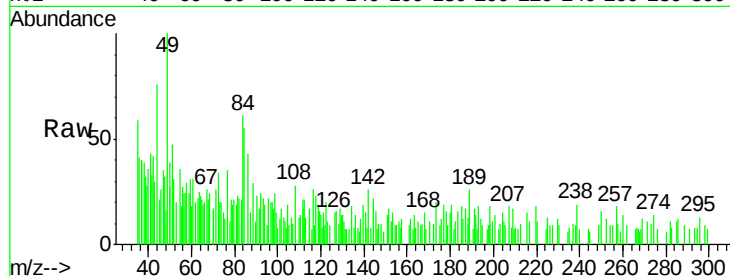




#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX014226.D
Acq: 24 Dec 2019 01:41

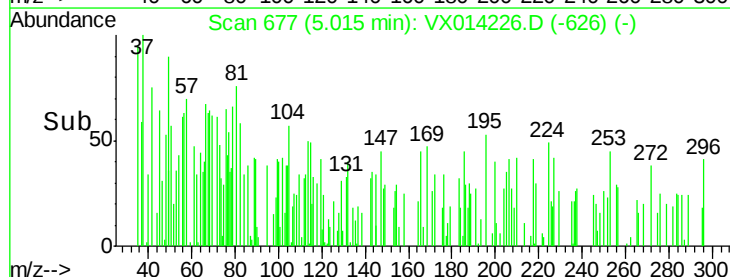
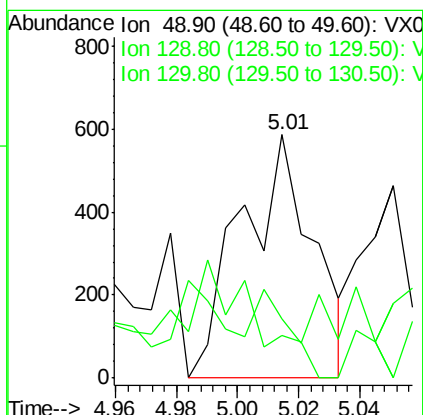
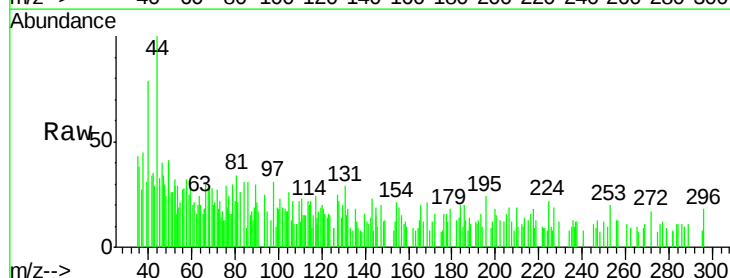
Instrument :
MSVOA_X
ClientSampled :
C0B39

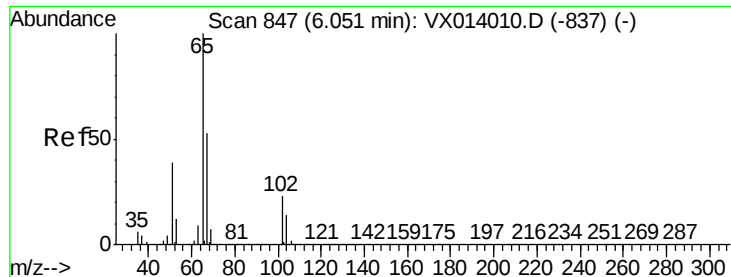
Tgt Ion:	84	Resp:	1811
Ion	Ratio	Lower	Upper
84	100		
49	65.8	95.8	143.6#
51	19.6	29.8	44.8#
86	16.1	50.8	76.2#



#28
Bromochloromethane
Concen: 0.685 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX014226.D
Acq: 24 Dec 2019 01:41

Tgt Ion:	49	Resp:	958
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.0
130	7.3	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 48.226 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

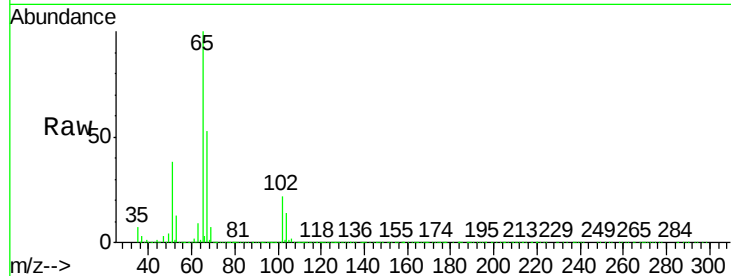
C0B39

Tgt Ion: 65 Resp: 306292

Ion Ratio Lower Upper

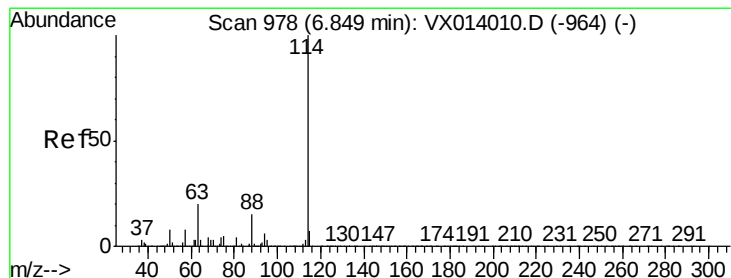
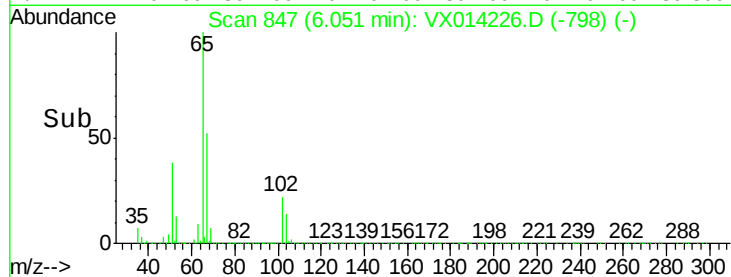
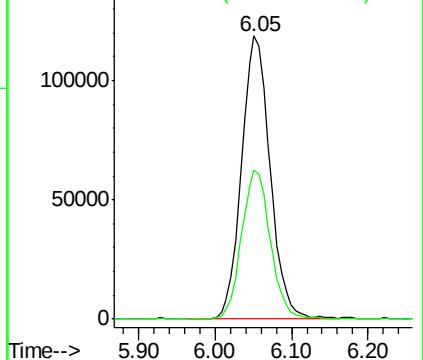
65 100

67 53.1 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

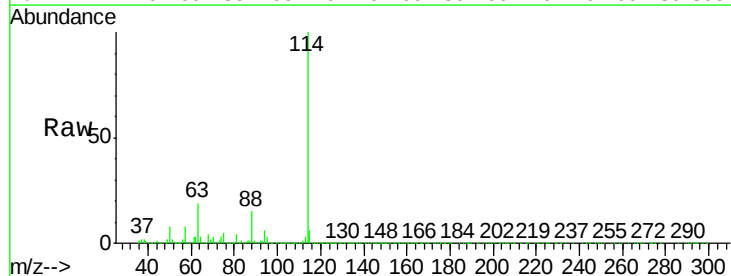
Tgt Ion: 114 Resp: 854050

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.8

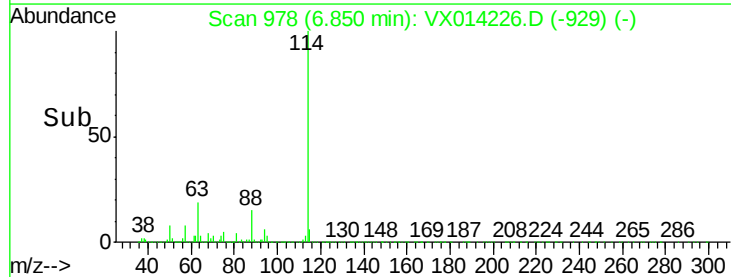
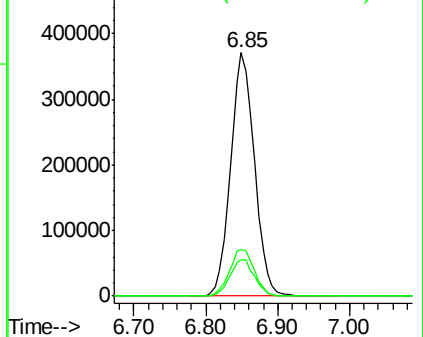
88 14.8 0.0 30.4

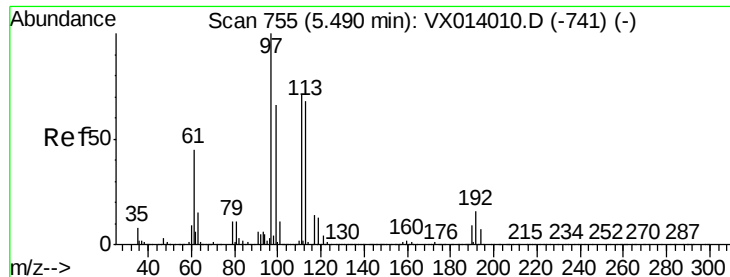


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

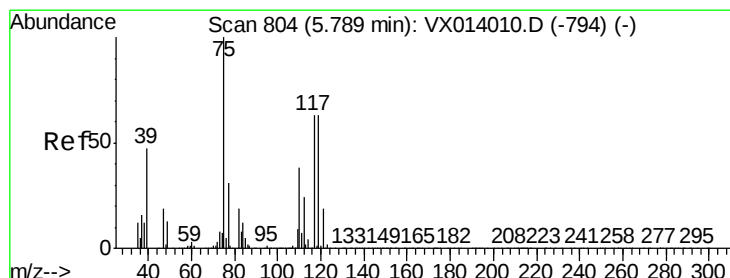
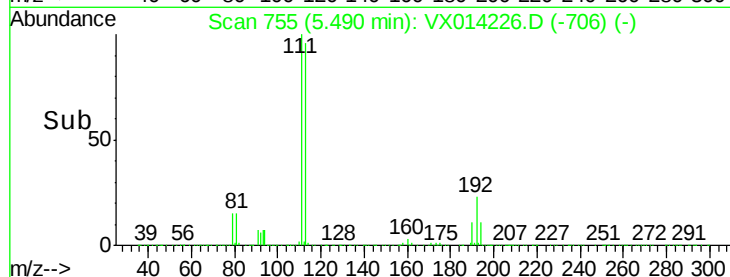
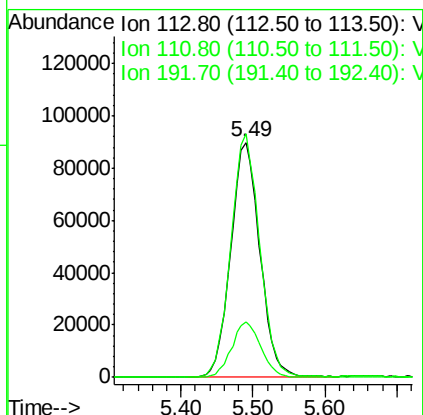
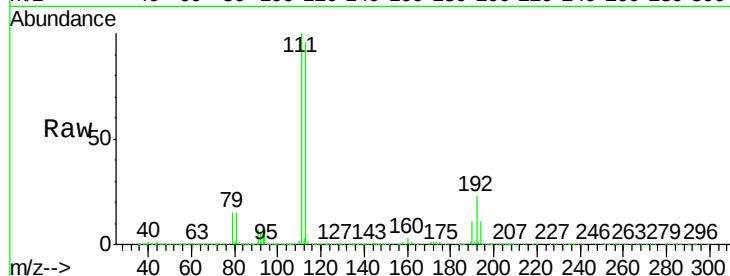




#35
Dibromofluoromethane
Concen: 48.491 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014226.D
Acq: 24 Dec 2019 01:41

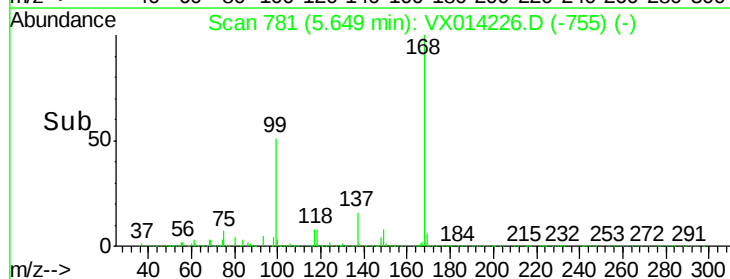
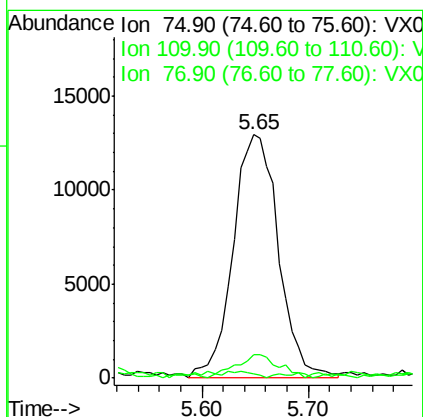
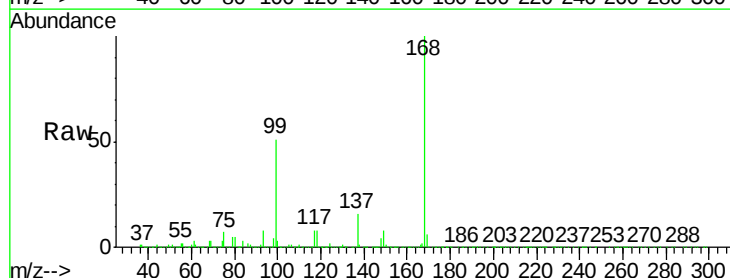
Instrument :
MSVOA_X
ClientSampleId :
C0B39

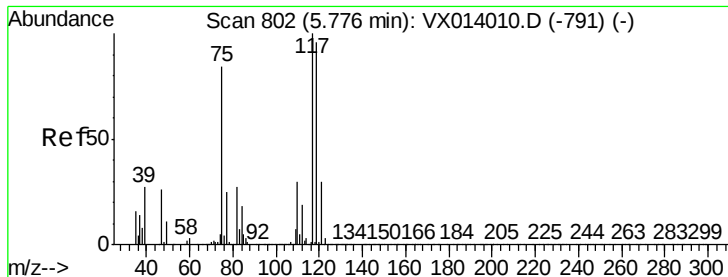
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	24.0	19.3	28.9



#36
1,1-Dichloropropene
Concen: 4.928 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX014226.D
Acq: 24 Dec 2019 01:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.3	54.9#
77	1.6	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.966 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

C0B39

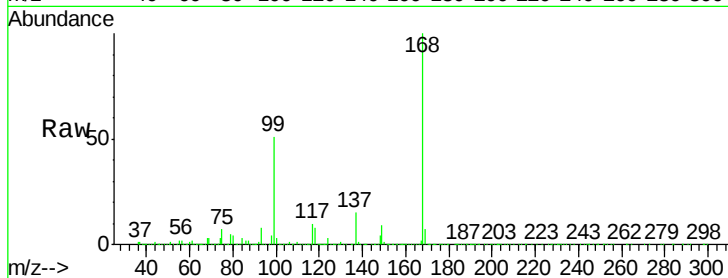
Tgt Ion: 117 Resp: 49727

Ion Ratio Lower Upper

117 100

119 4.2 76.2 114.4#

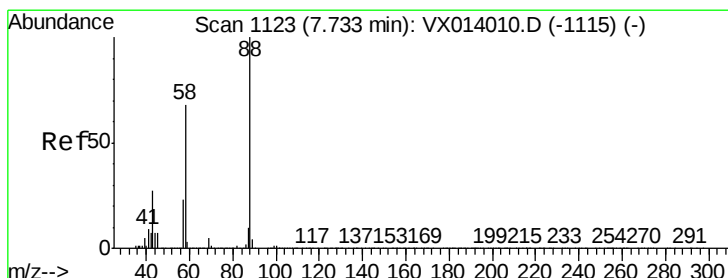
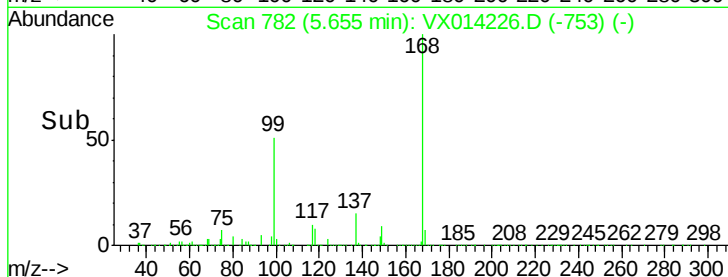
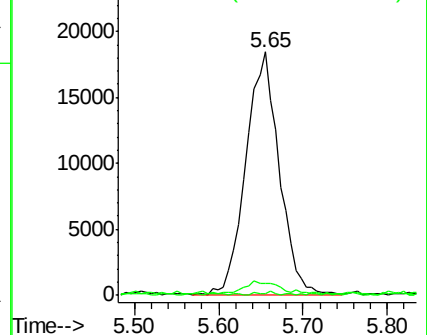
121 0.9 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 5.255 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

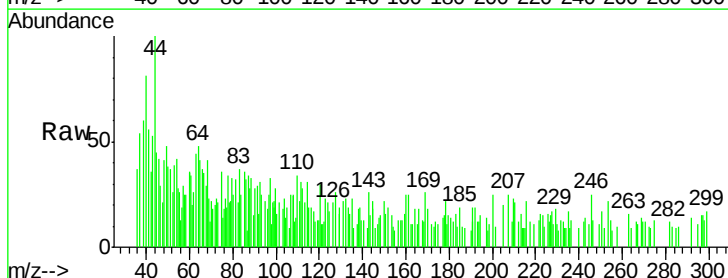
Tgt Ion: 88 Resp: 750

Ion Ratio Lower Upper

88 100

43 133.9 26.5 39.7#

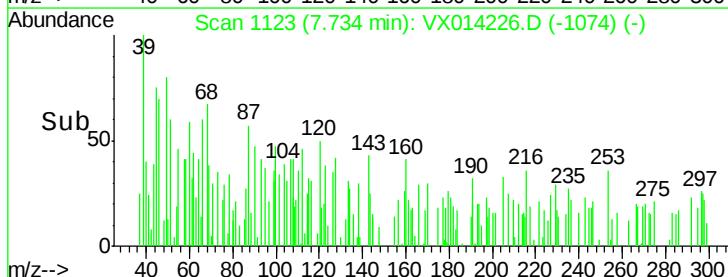
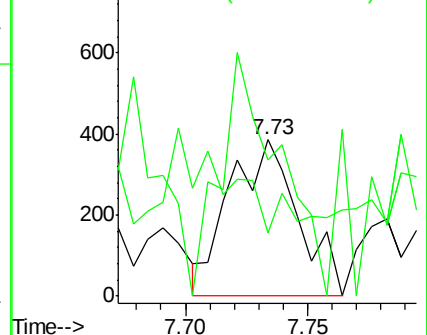
58 0.0 56.8 85.2#

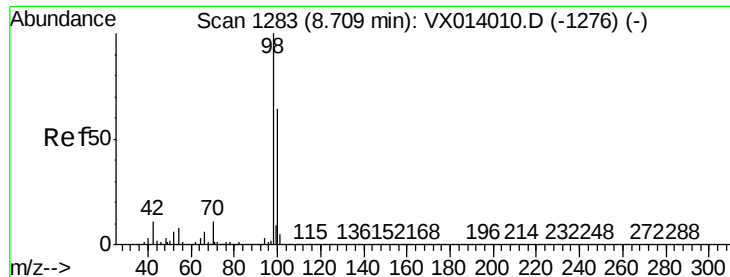


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.688 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

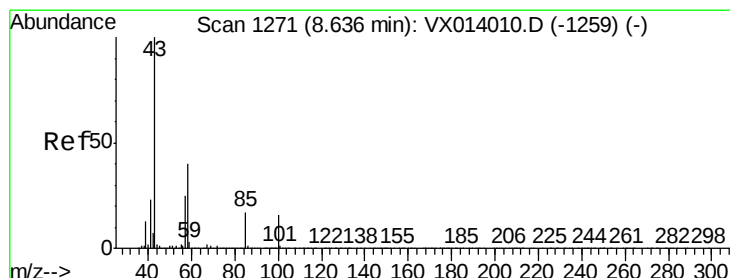
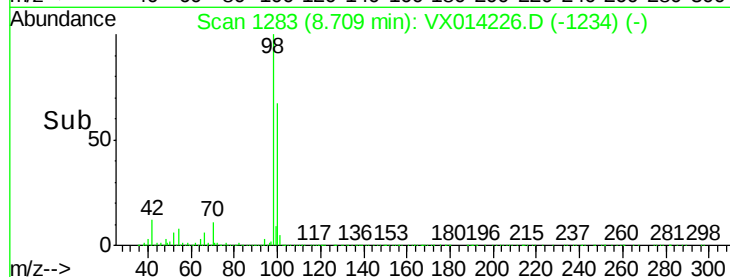
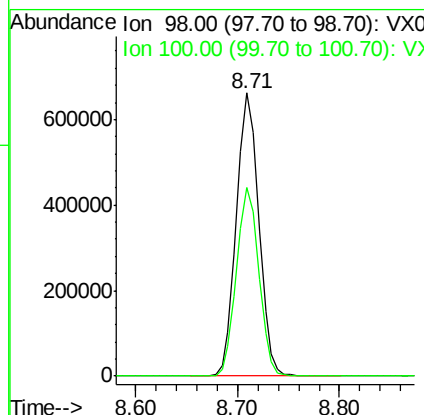
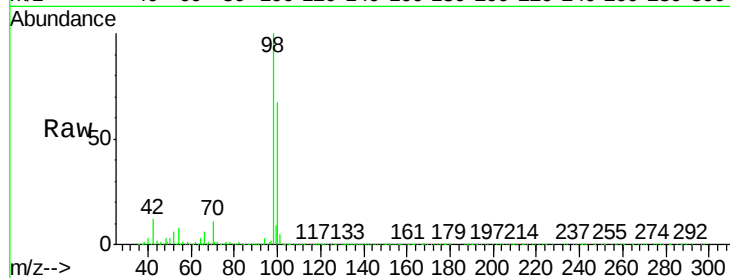
C0B39

Tgt Ion: 98 Resp: 1004312

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.296 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014226.D

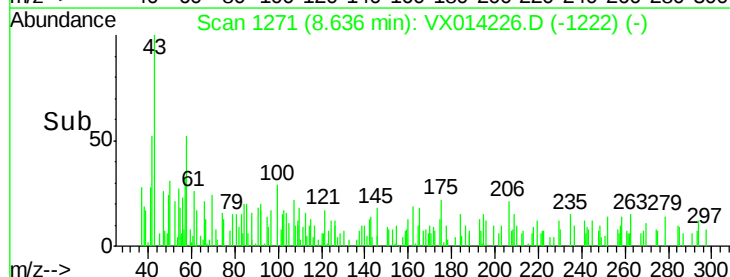
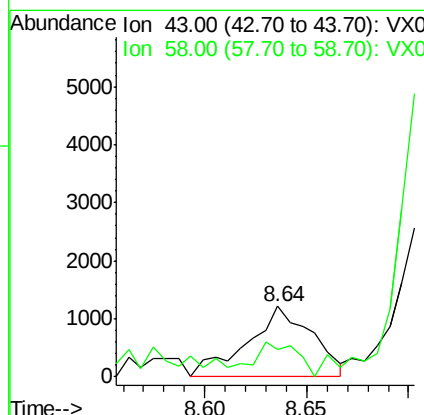
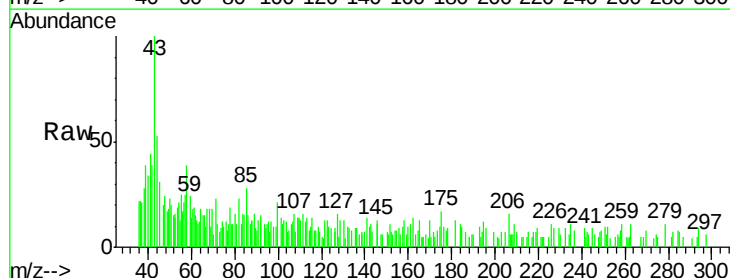
Acq: 24 Dec 2019 01:41

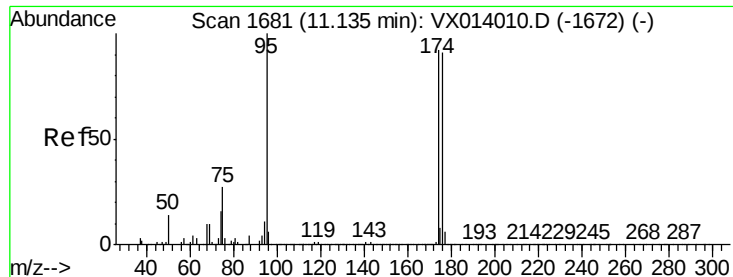
Tgt Ion: 43 Resp: 2663

Ion Ratio Lower Upper

43 100

58 32.8 32.2 48.2





#62

4-Bromofluorobenzene

Concen: 45.969 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

C0B39

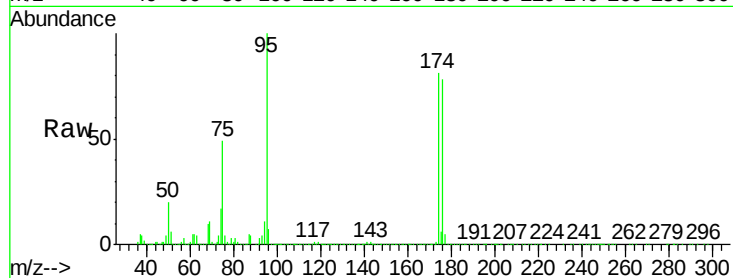
Tgt Ion: 95 Resp: 339646

Ion Ratio Lower Upper

95 100

174 89.9 0.0 175.8

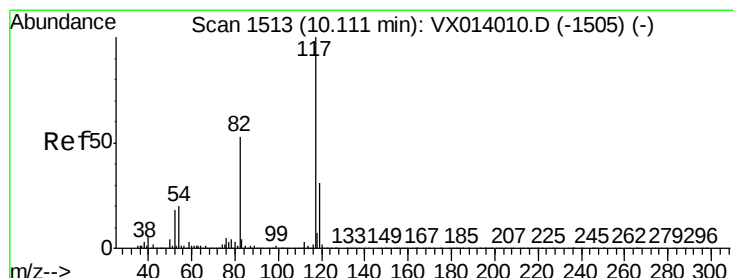
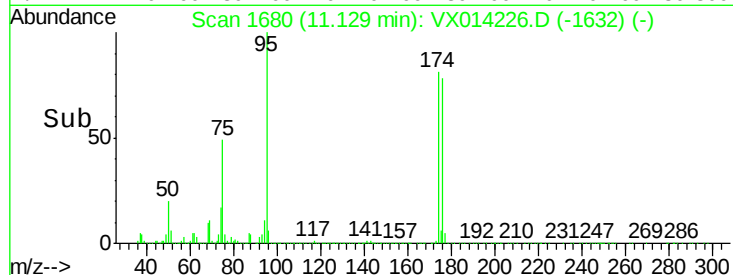
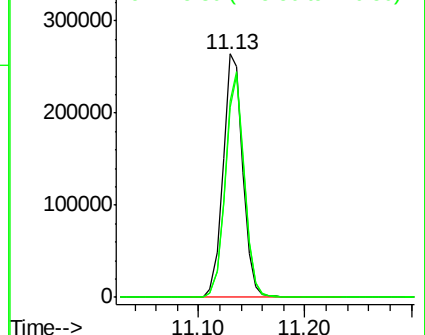
176 88.0 0.0 173.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014226.D

Acq: 24 Dec 2019 01:41

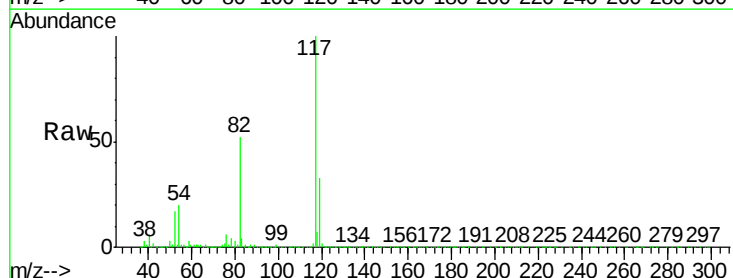
Tgt Ion: 117 Resp: 766009

Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.4

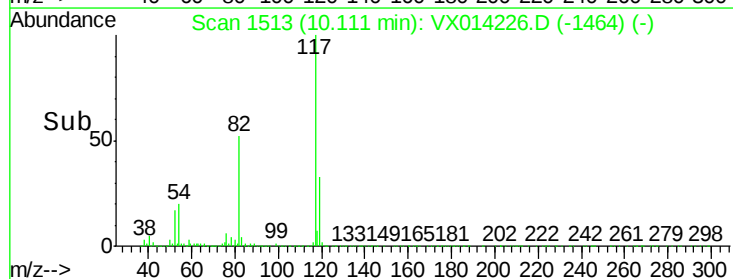
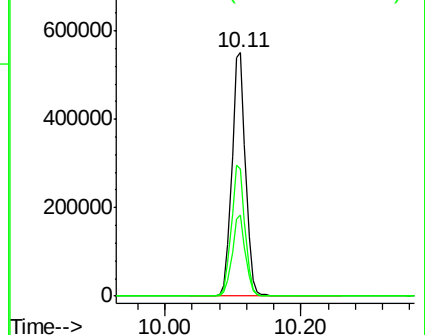
119 33.2 25.1 37.7

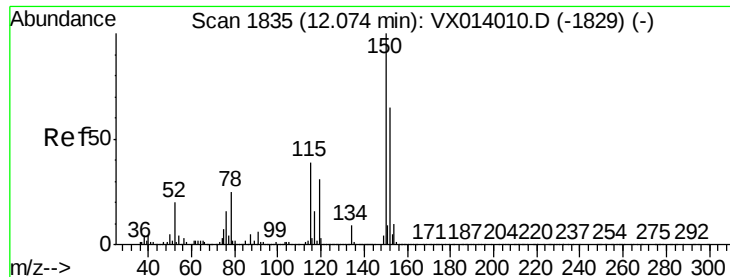


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX014226.D

Acq: 24 Dec 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

C0B39

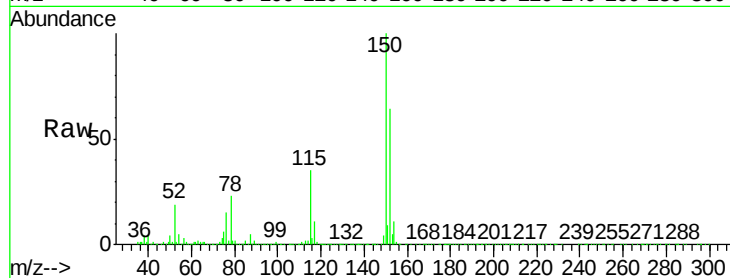
Tgt Ion: 152 Resp: 344315

Ion Ratio Lower Upper

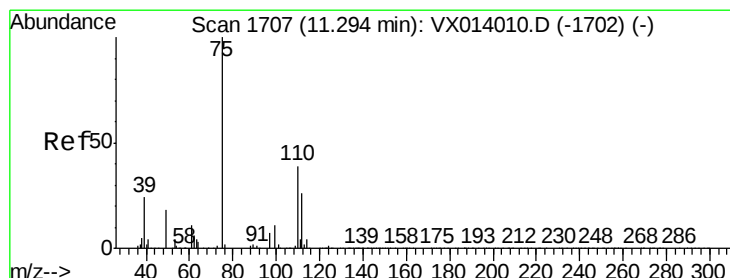
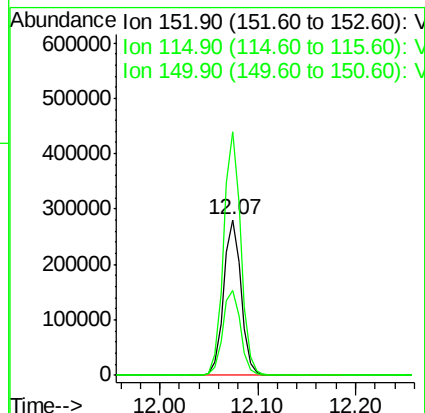
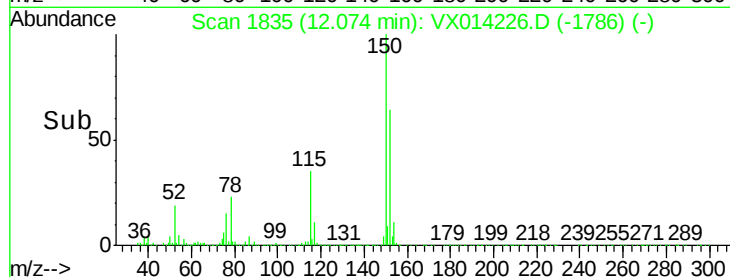
152 100

115 56.0 38.3 114.9

150 155.1 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.375 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014226.D

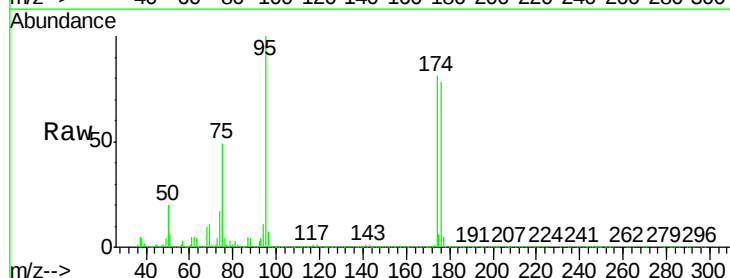
Acq: 24 Dec 2019 01:41

Tgt Ion: 75 Resp: 167253

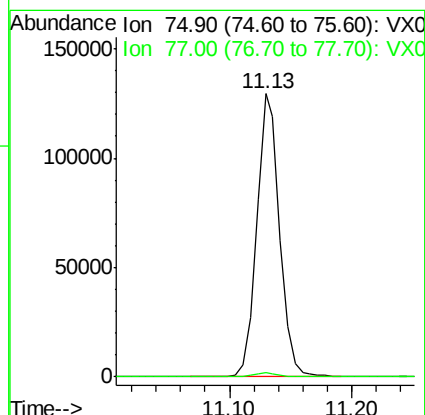
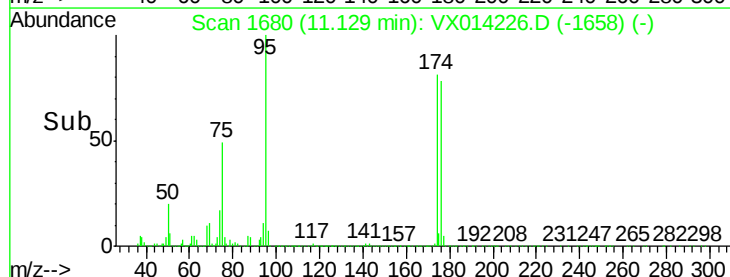
Ion Ratio Lower Upper

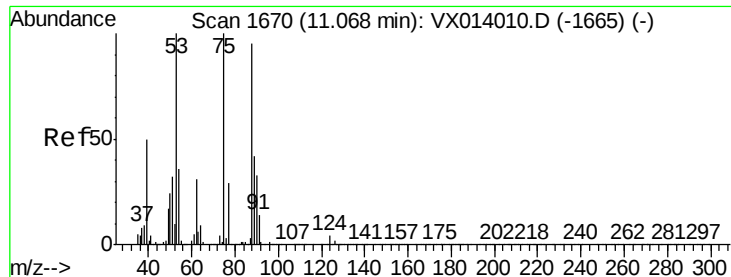
75 100

77 1.4 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

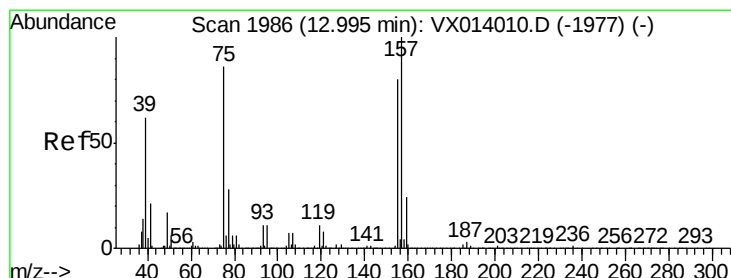
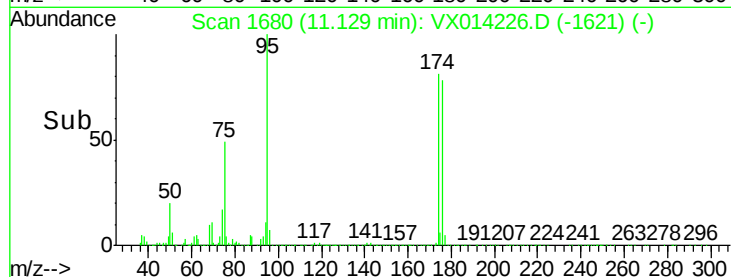
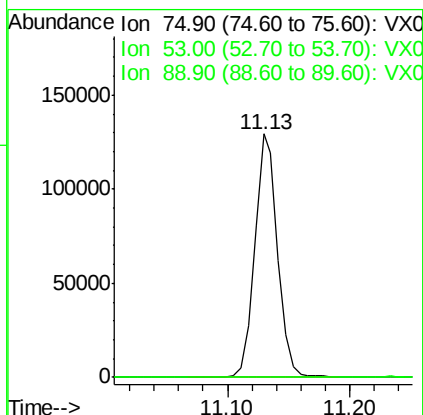
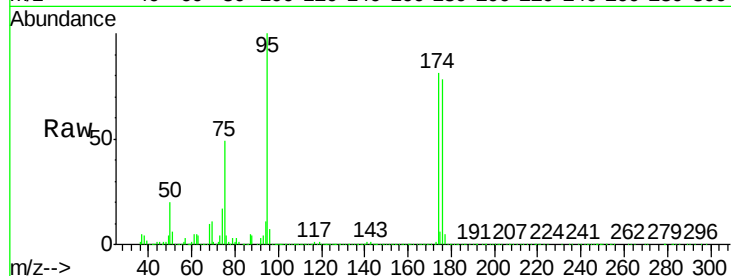




#81
trans-1,4-Dichloro-2-butene
Concen: 63.154 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014226.D
Acq: 24 Dec 2019 01:41

Instrument :
MSVOA_X
ClientSampleId :
C0B39

Tgt Ion: 75 Resp: 167253
Ion Ratio Lower Upper
75 100
53 0.2 76.7 115.1#
89 0.0 34.6 51.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.248 ug/l
RT: 12.98 min Scan# 1984
Delta R.T. -0.01 min
Lab File: VX014226.D
Acq: 24 Dec 2019 01:41

Tgt Ion: 75 Resp: 462
Ion Ratio Lower Upper
75 100
155 71.4 46.9 140.6
157 14.5 60.8 182.4#

