

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
 Data File : VX014233.D
 Acq On : 24 Dec 2019 10:08
 Operator : JC/SP
 Sample : VX1224MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBL01

Quant Time: Dec 25 05:37:16 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	567560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	853502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	765104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	339857	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	316081	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
35) Dibromofluoromethane	5.48	113	259212	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	8.71	98	1011196	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.13	95	340153	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	

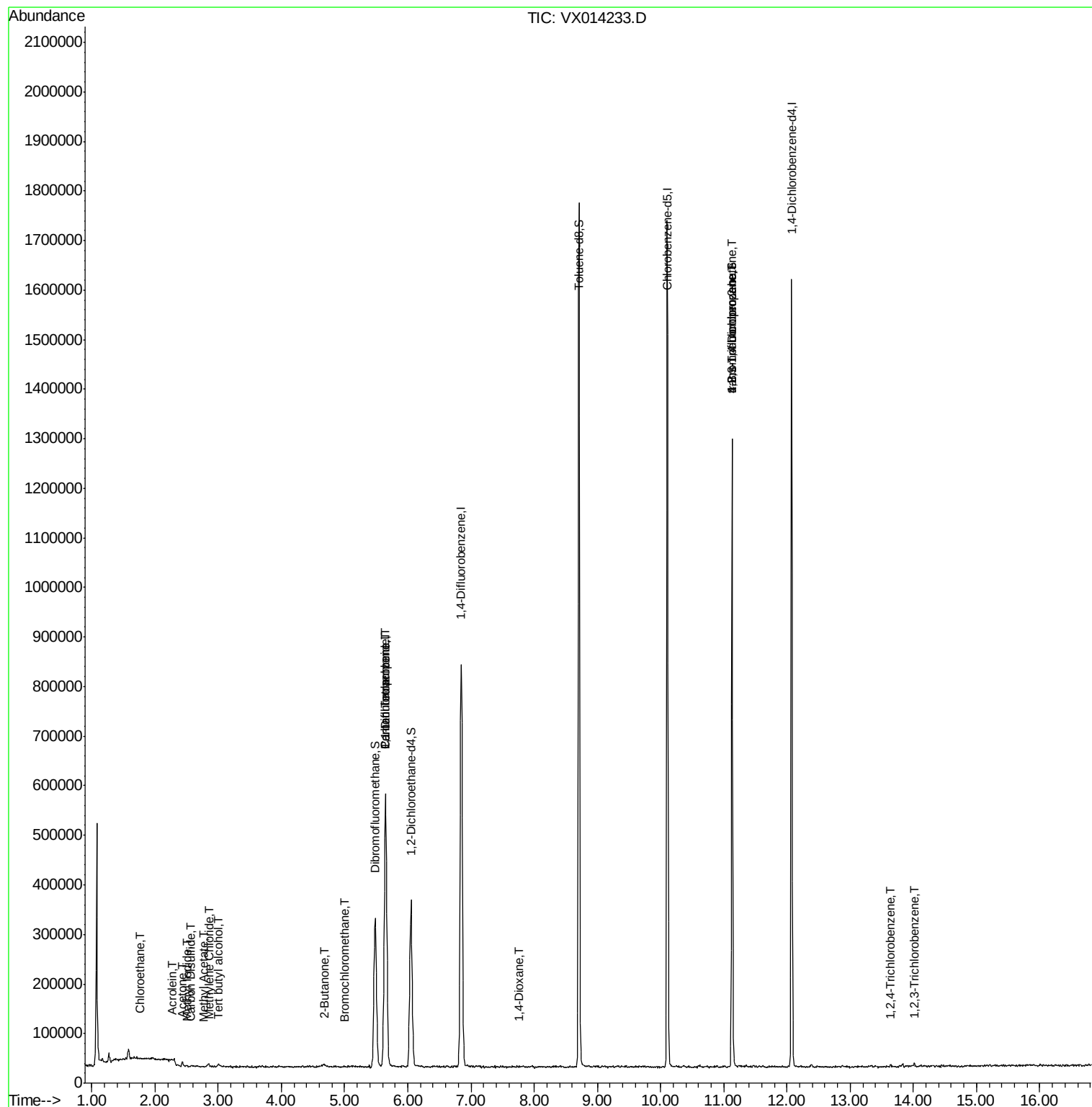
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.76	64	1260	0.284	ug/l #	79
10) Methyl Iodide	2.50	142	1767	2.857	ug/l #	64
11) Tert butyl alcohol	3.01	59	3311	2.382	ug/l #	90
13) Acrolein	2.28	56	266	0.334	ug/l #	71
16) Acetone	2.43	43	9783	2.343	ug/l	98
17) Carbon Disulfide	2.56	76	2890	0.938	ug/l	96
18) Methyl Acetate	2.76	43	1906	0.230	ug/l #	72
20) Methylene Chloride	2.84	84	2241	0.341	ug/l #	88
25) 2-Butanone	4.67	43	2509	0.487	ug/l #	68
28) Bromochloromethane	5.01	49	401	0.549	ug/l #	76
36) 1,1-Dichloropropene	5.65	75	39598	5.056	ug/l #	50
38) Carbon Tetrachloride	5.65	117	49055	6.876	ug/l #	16
49) 1,4-Dioxane	7.75	88	886	6.212	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	164770	22.332	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	164770	63.032	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	1738	0.230	ug/l	80
96) 1,2,3-Trichlorobenzene	14.01	180	1921	0.258	ug/l	92

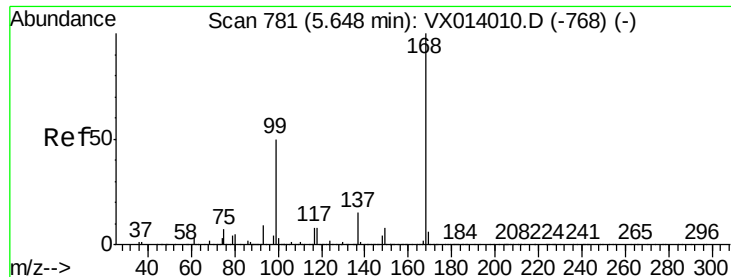
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014233.D

Acq: 24 Dec 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

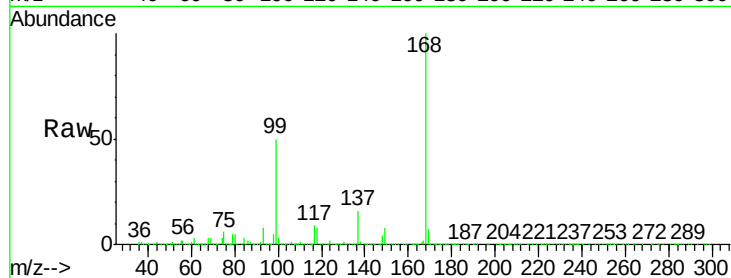
VX1224MBL01

Tgt Ion:168 Resp: 567560

Ion Ratio Lower Upper

168 100

99 50.3 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

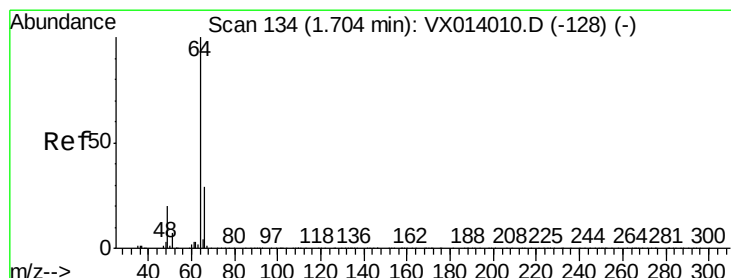
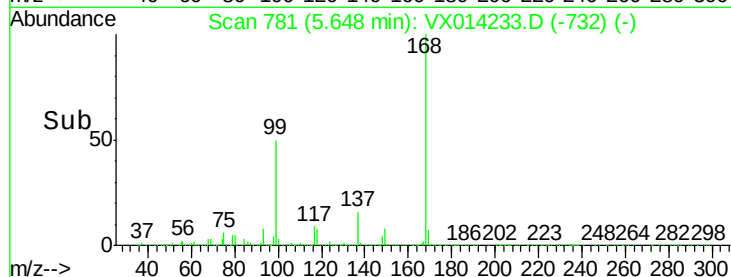
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.284 ug/l

RT: 1.76 min Scan# 143

Delta R.T. 0.05 min

Lab File: VX014233.D

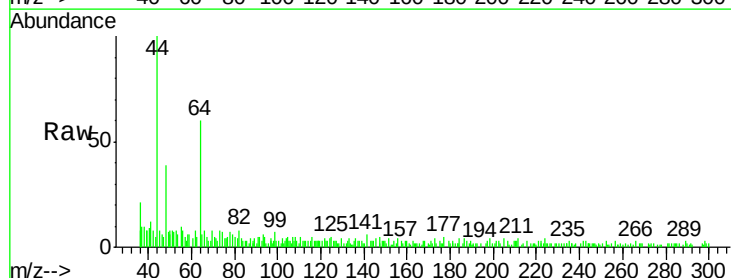
Acq: 24 Dec 2019 10:08

Tgt Ion: 64 Resp: 1260

Ion Ratio Lower Upper

64 100

66 17.8 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.76

3000

2500

2000

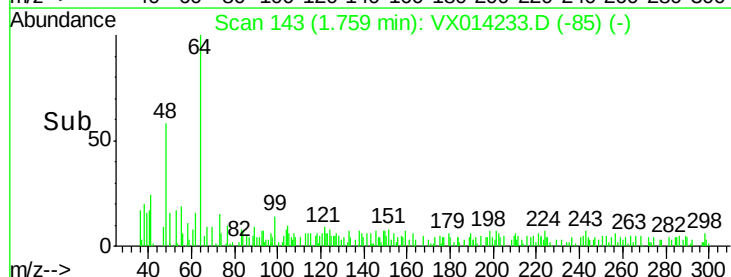
1500

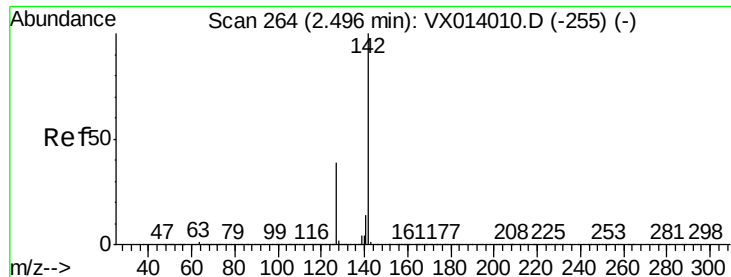
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 2.857 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014233.D

Acq: 24 Dec 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBL01

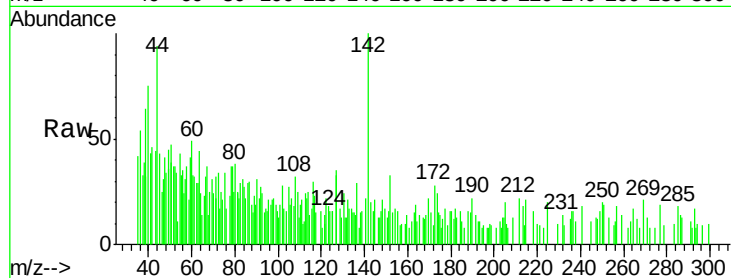
Tgt Ion:142 Resp: 1767

Ion Ratio Lower Upper

142 100

127 61.7 31.6 47.4#

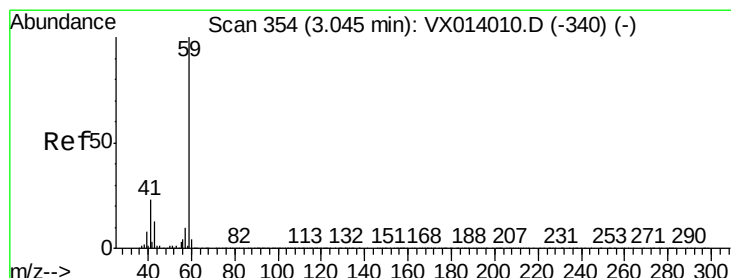
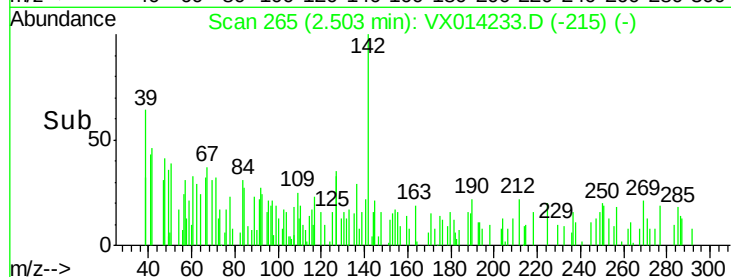
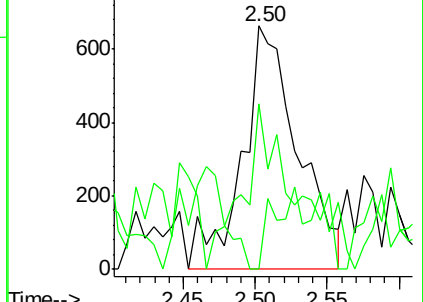
141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 2.382 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.03 min

Lab File: VX014233.D

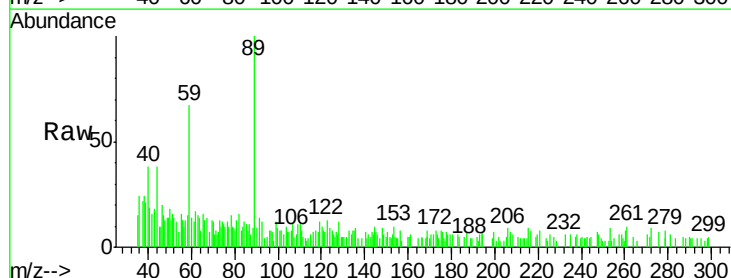
Acq: 24 Dec 2019 10:08

Tgt Ion: 59 Resp: 3311

Ion Ratio Lower Upper

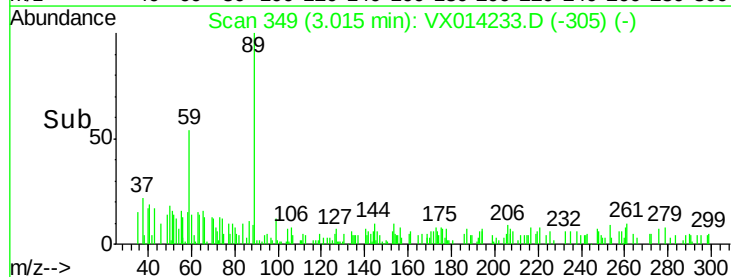
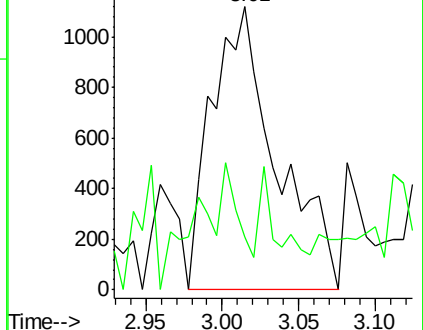
59 100

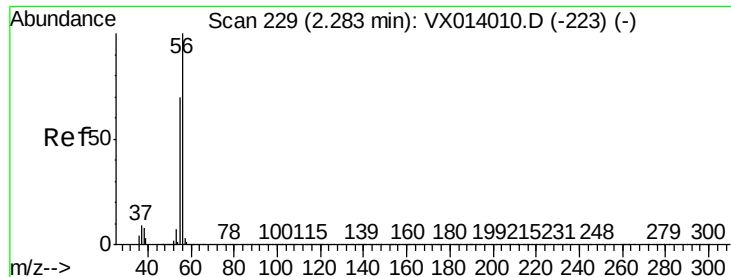
57 6.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.334 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014233.D

Acq: 24 Dec 2019 10:08

Instrument :

MSVOA_X

ClientSampled :

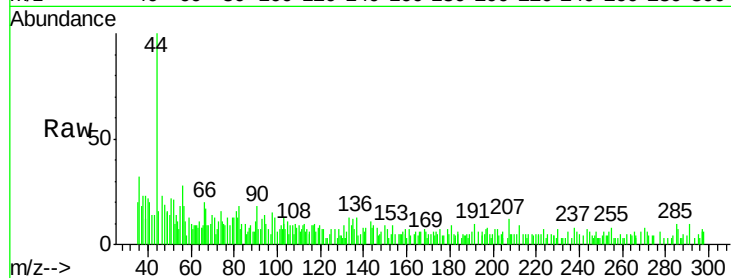
VX1224MBL01

Tgt Ion: 56 Resp: 266

Ion Ratio Lower Upper

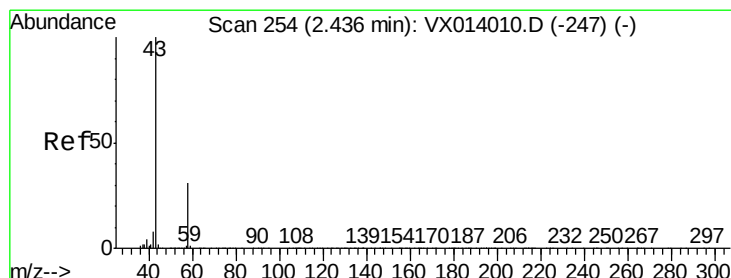
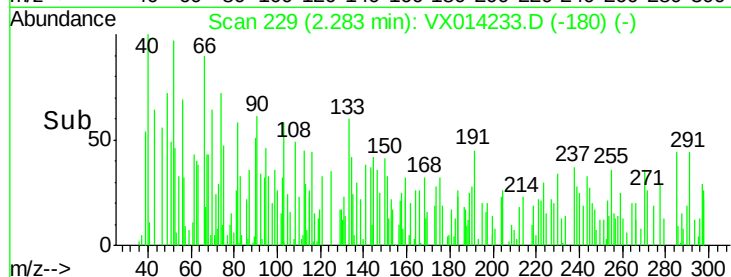
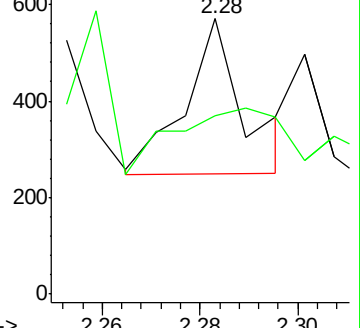
56 100

55 95.5 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.343 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014233.D

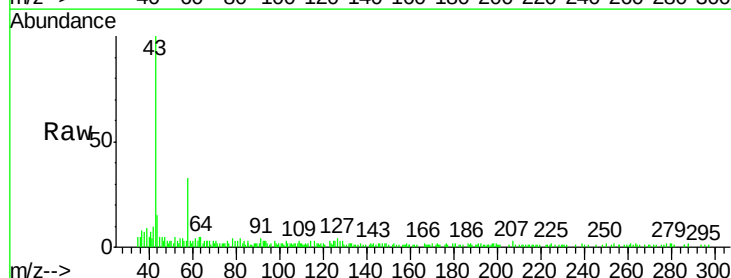
Acq: 24 Dec 2019 10:08

Tgt Ion: 43 Resp: 9783

Ion Ratio Lower Upper

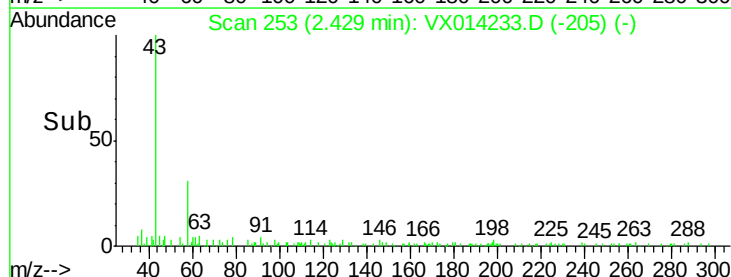
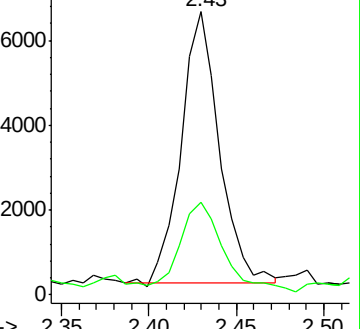
43 100

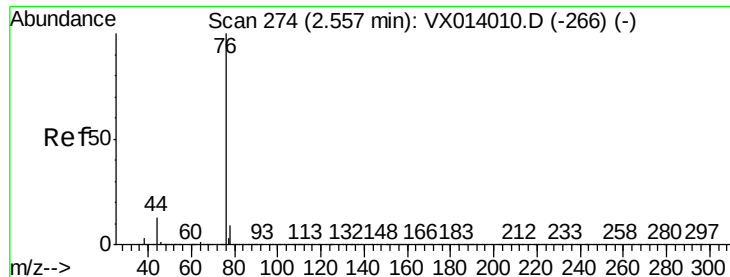
58 30.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.938 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014233.D

Acq: 24 Dec 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

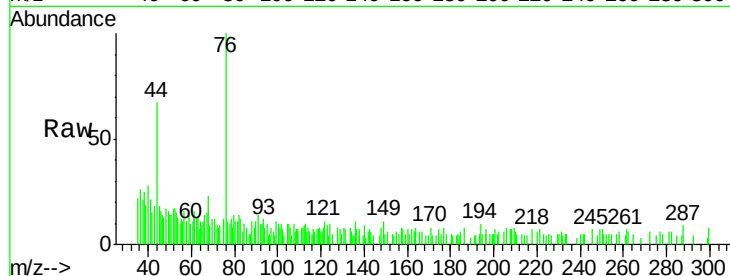
VX1224MBL01

Tgt Ion: 76 Resp: 2890

Ion Ratio Lower Upper

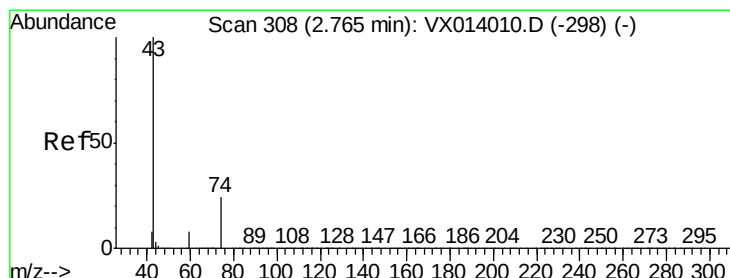
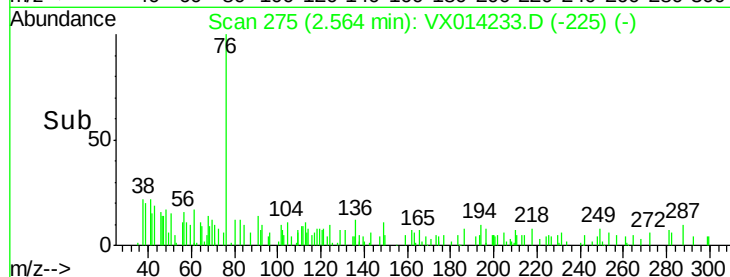
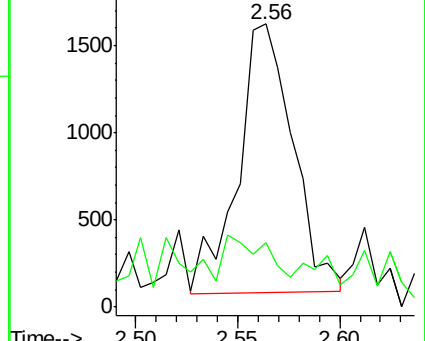
76 100

78 10.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.230 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014233.D

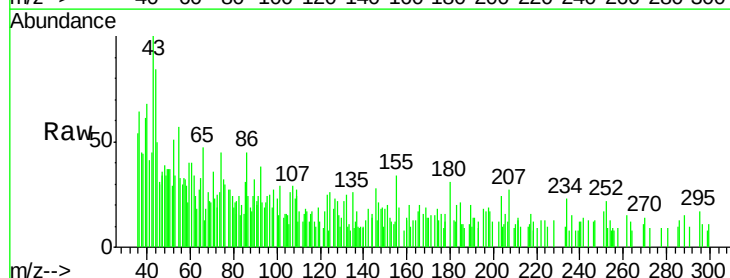
Acq: 24 Dec 2019 10:08

Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

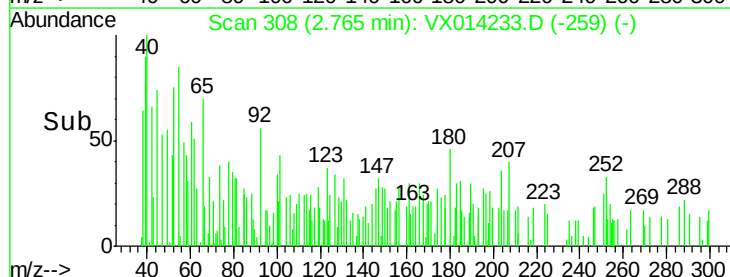
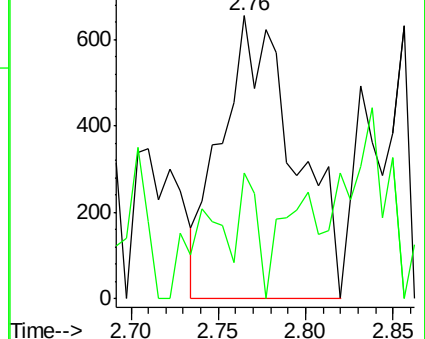
43 100

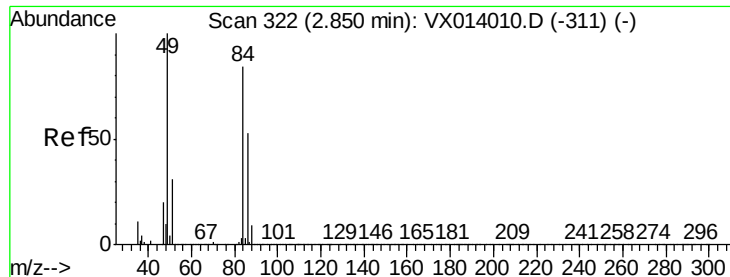
74 10.3 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

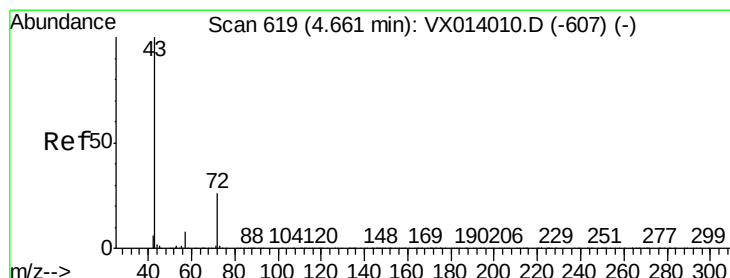
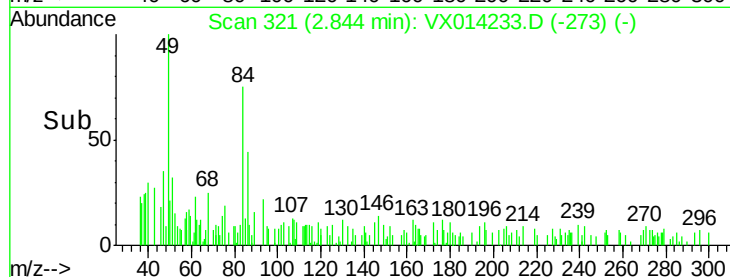
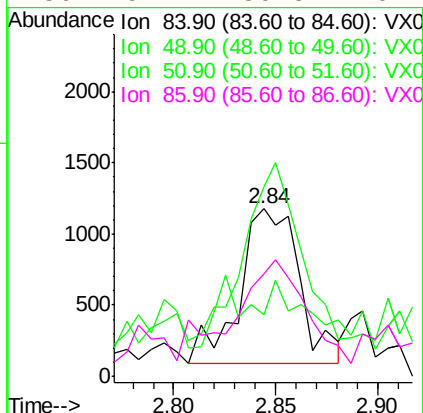
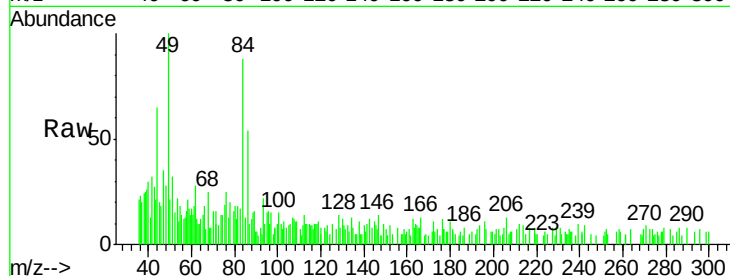




#20
Methylene Chloride
Concen: 0.341 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014233.D
Acq: 24 Dec 2019 10:08

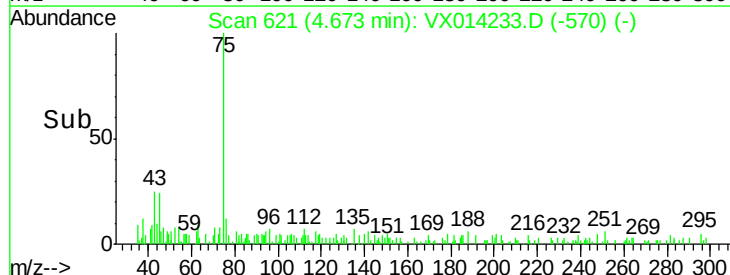
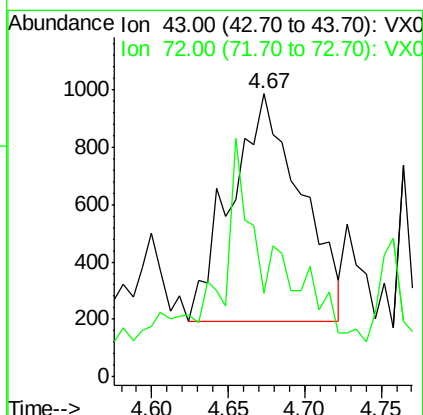
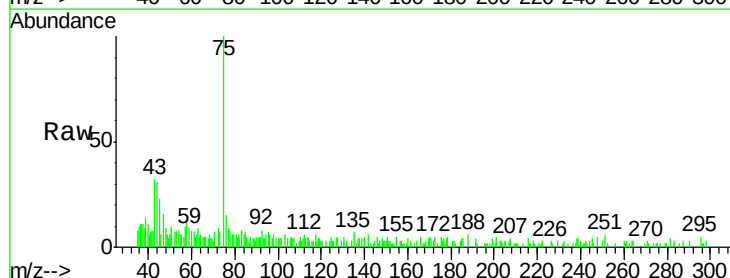
Instrument :
MSVOA_X
ClientSampled :
VX1224MBL01

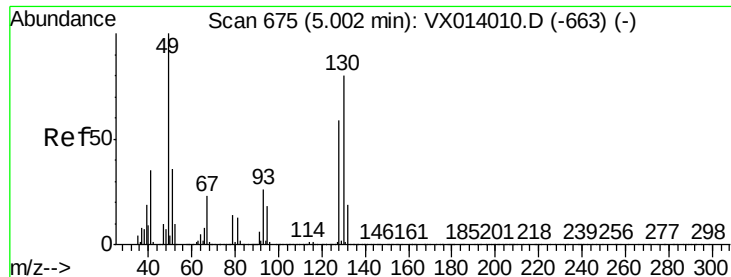
Tgt Ion: 84 Resp: 2241
Ion Ratio Lower Upper
84 100
49 111.4 95.8 143.6
51 23.7 29.8 44.8#
86 52.2 50.8 76.2



#25
2-Butanone
Concen: 0.487 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014233.D
Acq: 24 Dec 2019 10:08

Tgt Ion: 43 Resp: 2509
Ion Ratio Lower Upper
43 100
72 9.9 21.0 31.4#





#28

Bromochloromethane

Concen: 0.549 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014233.D

Acq: 24 Dec 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBL01

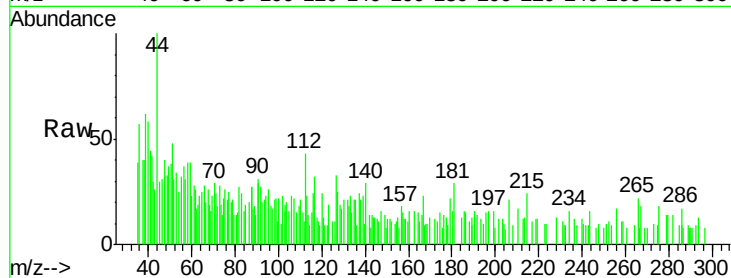
Tgt Ion: 49 Resp: 401

Ion Ratio Lower Upper

49 100

129 31.2 0.0 5.0#

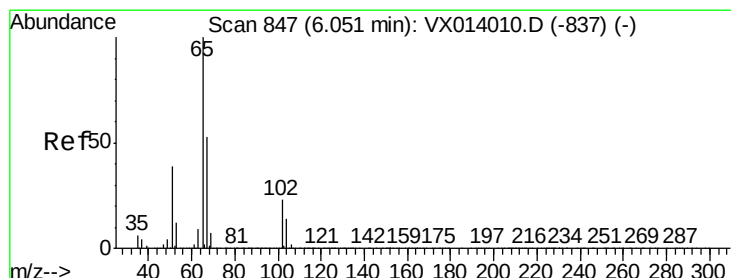
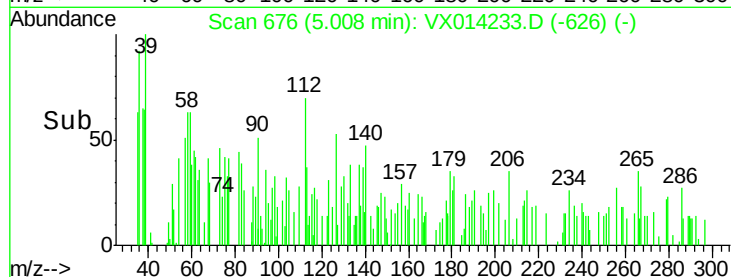
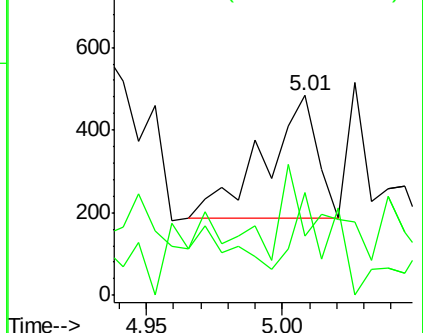
130 61.3 64.6 97.0#



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



#33

1,2-Dichloroethane-d4

Concen: 49.138 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014233.D

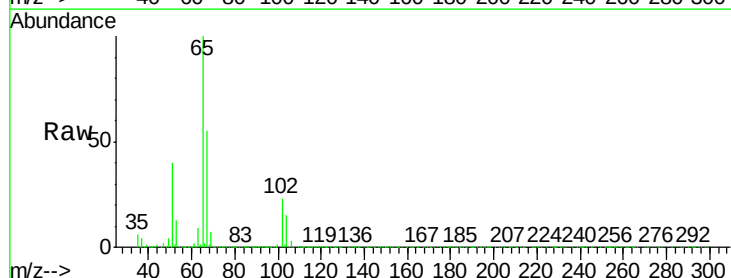
Acq: 24 Dec 2019 10:08

Tgt Ion: 65 Resp: 316081

Ion Ratio Lower Upper

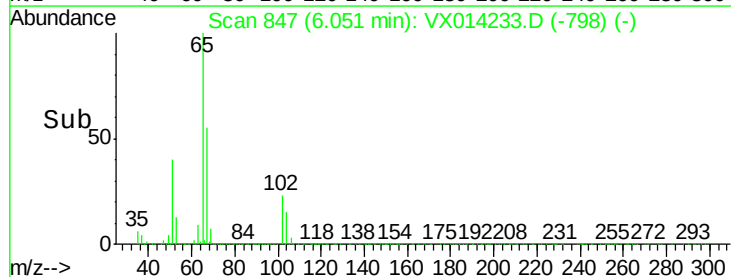
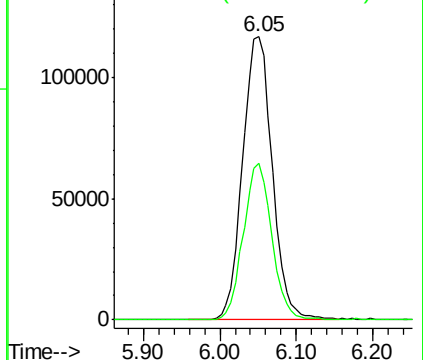
65 100

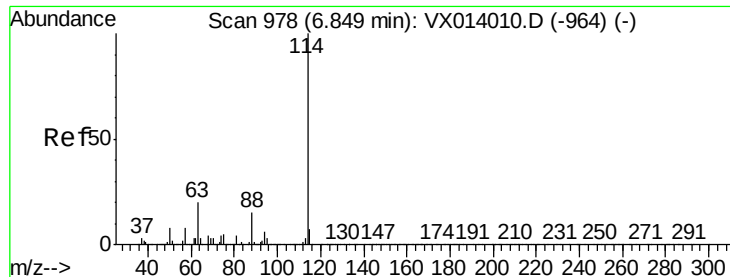
67 52.8 0.0 106.4



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: VX014233.D

Acq: 24 Dec 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBL01

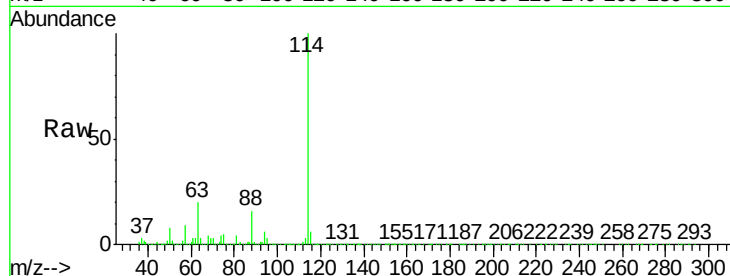
Tgt Ion:114 Resp: 853502

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

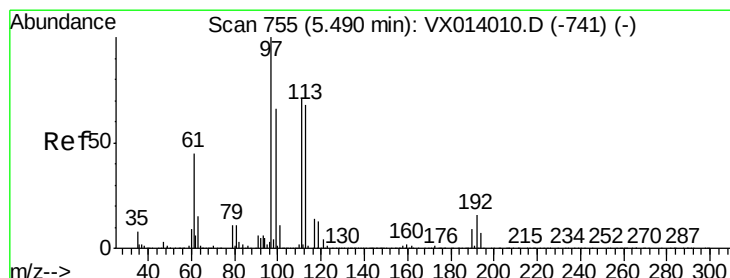
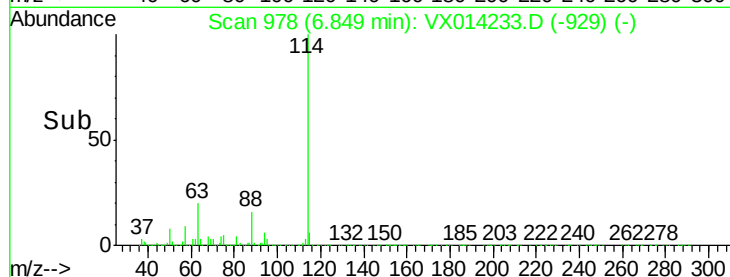
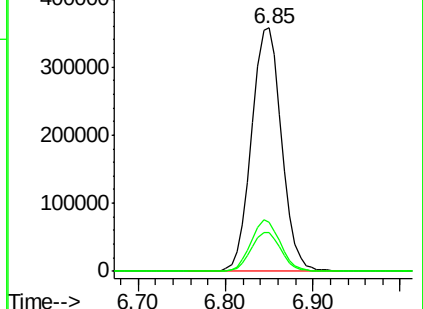
88 15.8 0.0 30.4



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: 49.960 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014233.D

Acq: 24 Dec 2019 10:08

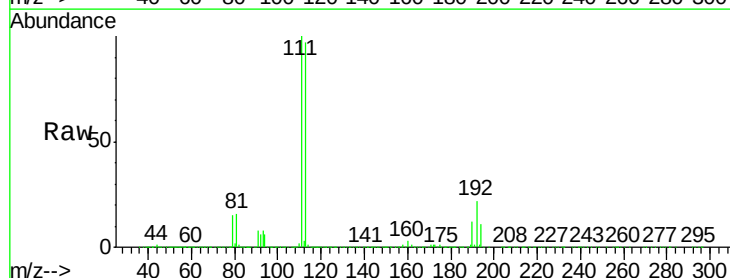
Tgt Ion:113 Resp: 259212

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

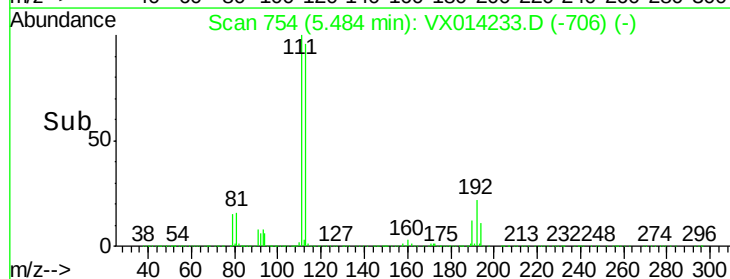
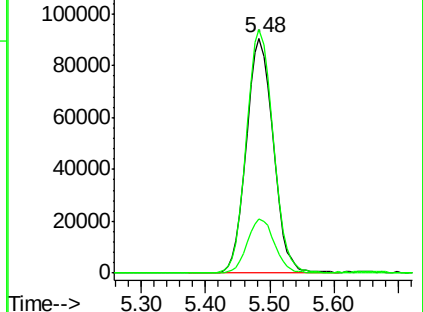
192 23.3 19.3 28.9

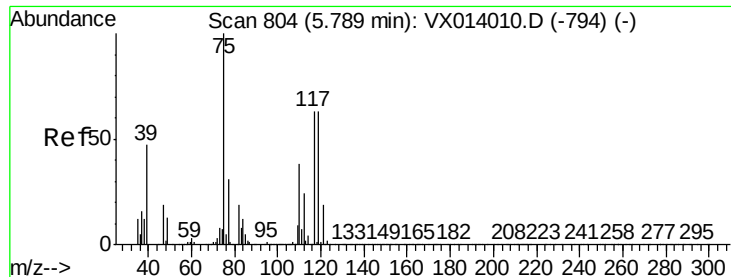


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

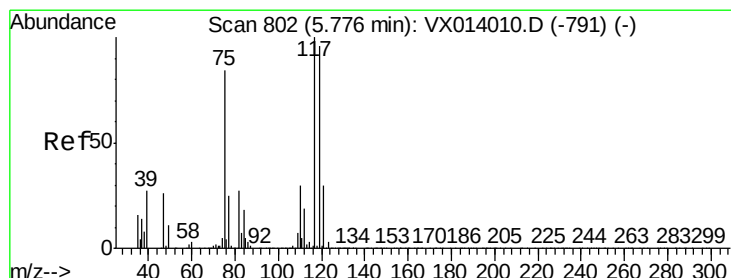
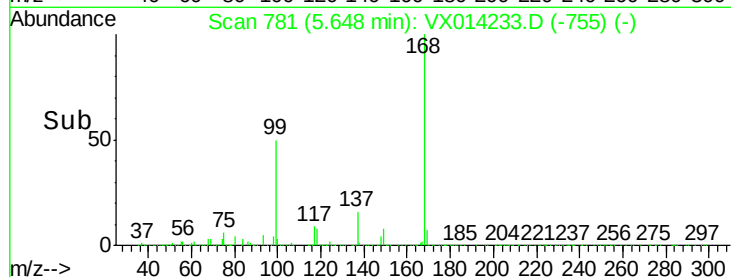
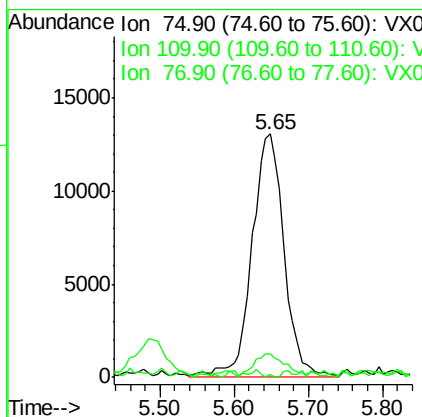
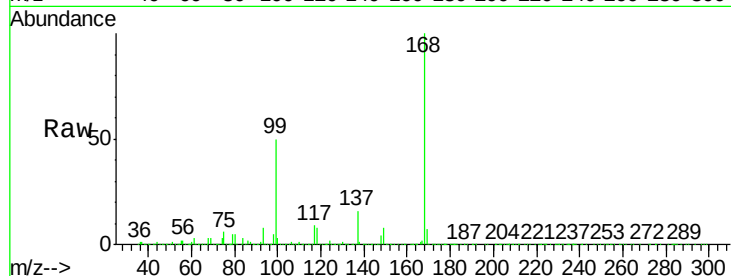




#36
 1,1-Dichloropropene
 Concen: 5.056 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014233.D
 Acq: 24 Dec 2019 10:08

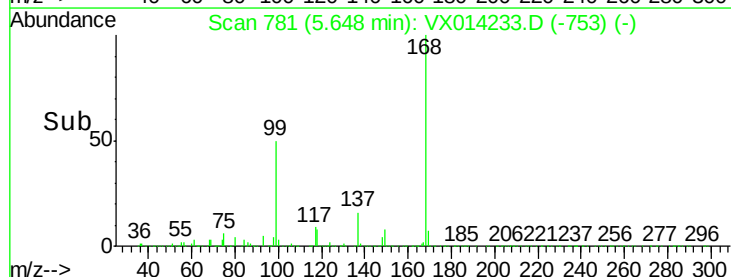
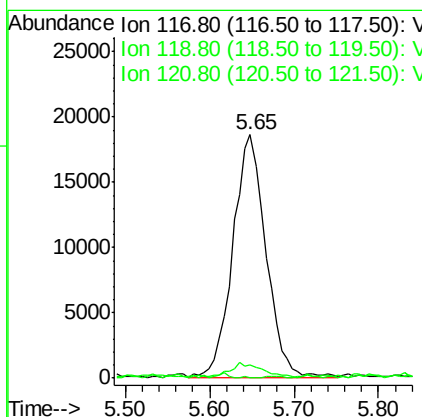
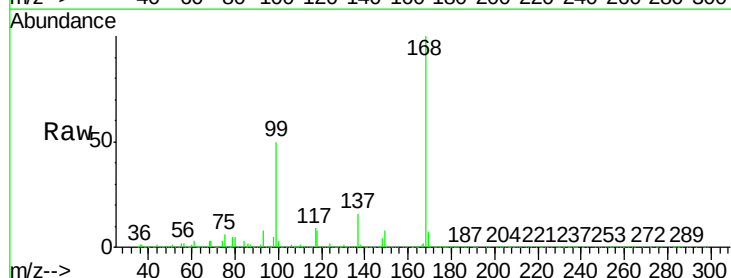
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBL01

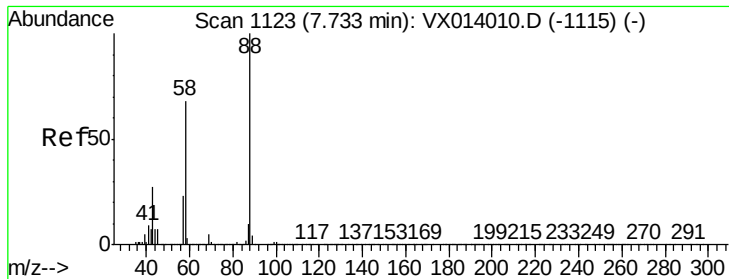
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.3	54.9#
77	1.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.876 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014233.D
 Acq: 24 Dec 2019 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.4#
121	0.1	23.6	35.4#





#49

1,4-Dioxane

Concen: 6.212 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX014233.D

Acq: 24 Dec 2019 10:08

Instrument :

MSVOA_X

ClientSampled :

VX1224MBL01

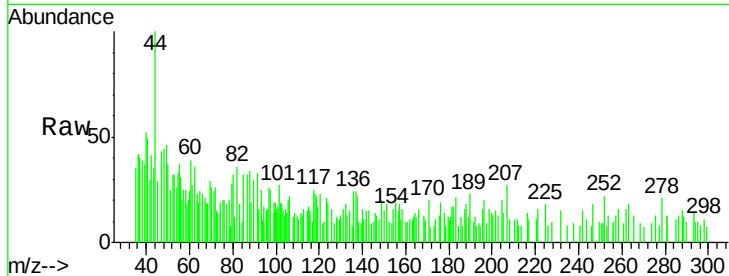
Tgt Ion: 88 Resp: 886

Ion Ratio Lower Upper

88 100

43 19.8 26.5 39.7#

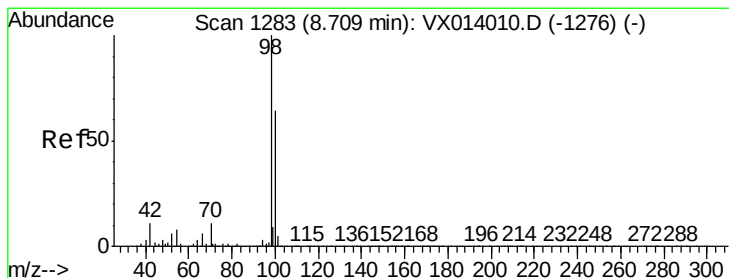
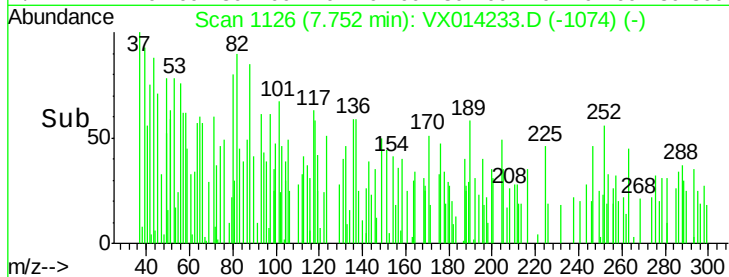
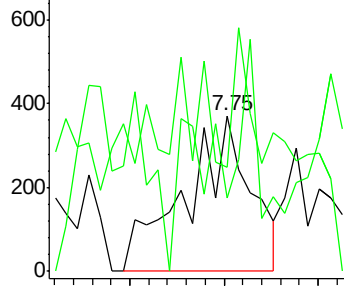
58 23.3 56.8 85.2#



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: 50.060 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014233.D

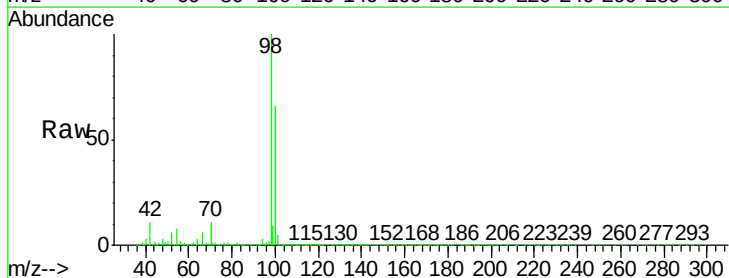
Acq: 24 Dec 2019 10:08

Tgt Ion: 98 Resp: 1011196

Ion Ratio Lower Upper

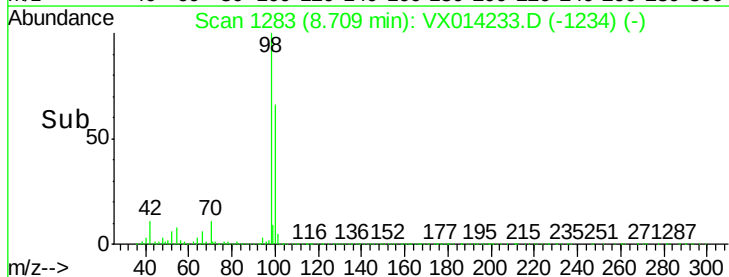
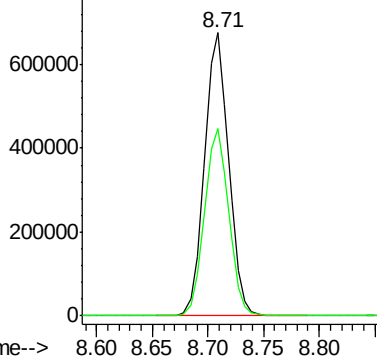
98 100

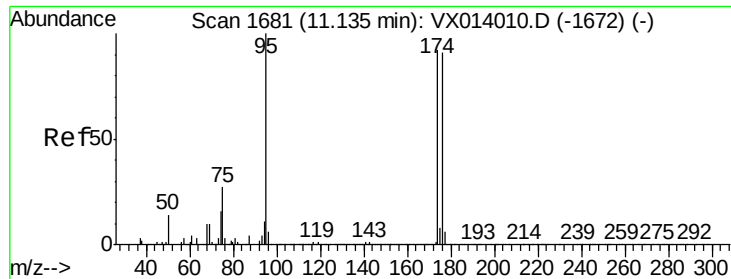
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

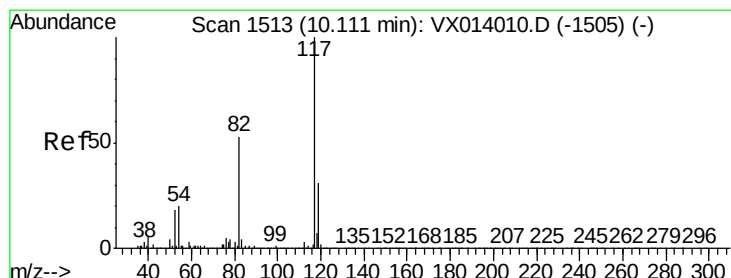
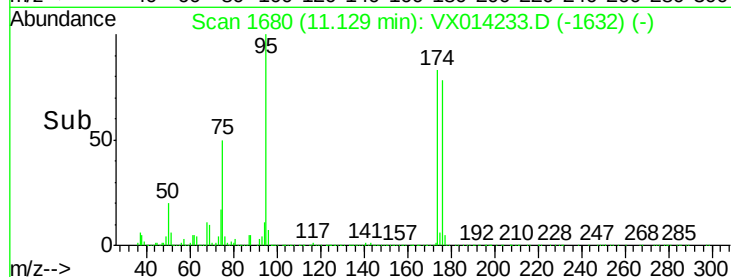
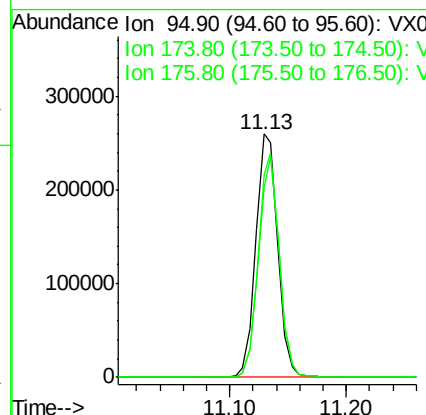
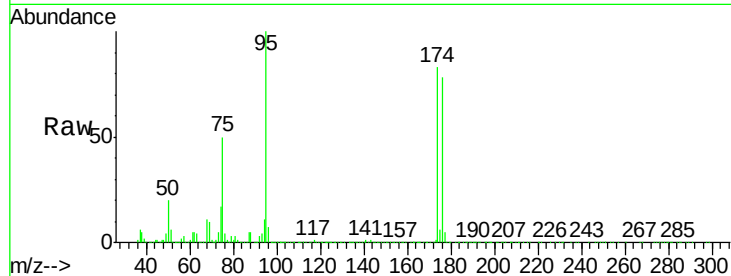




#62
4-Bromofluorobenzene
Concen: 46.067 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014233.D
Acq: 24 Dec 2019 10:08

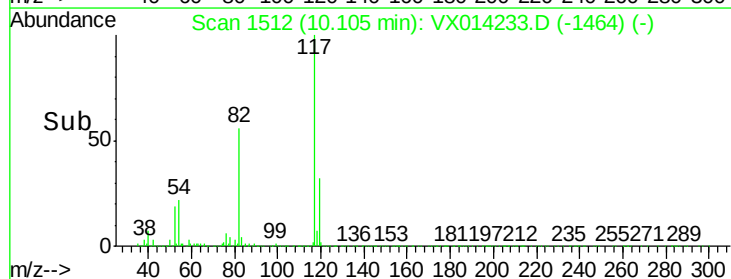
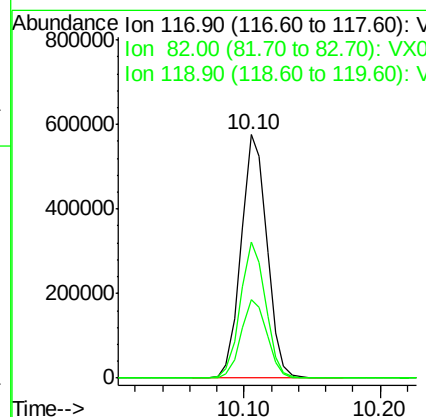
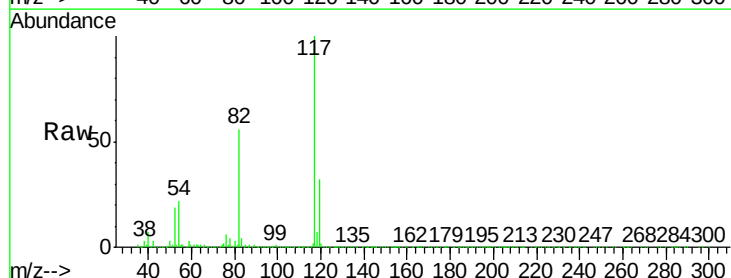
Instrument :
MSVOA_X
ClientSampleId :
VX1224MBL01

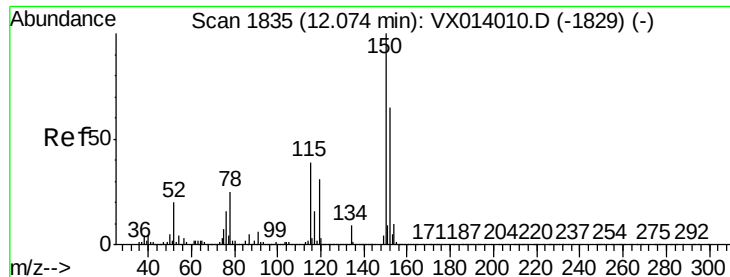
Tgt Ion: 95 Resp: 340153
Ion Ratio Lower Upper
95 100
174 88.6 0.0 175.8
176 86.1 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014233.D
Acq: 24 Dec 2019 10:08

Tgt Ion: 117 Resp: 765104
Ion Ratio Lower Upper
117 100
82 55.7 42.2 63.4
119 32.2 25.1 37.7

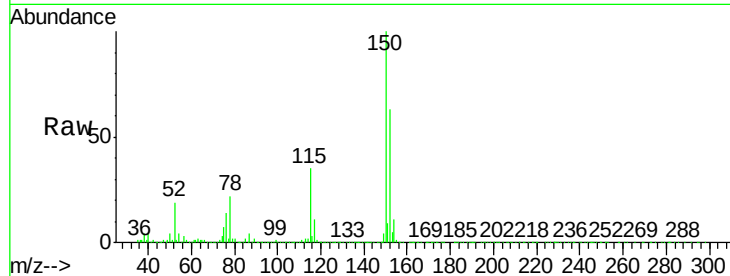




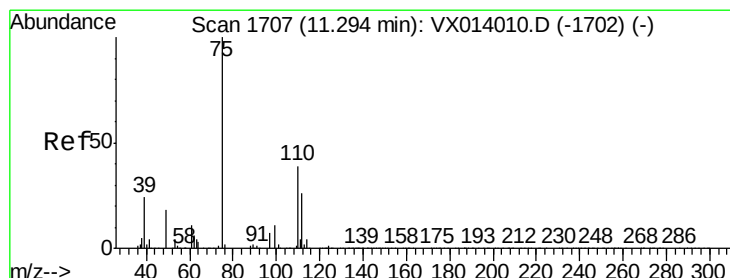
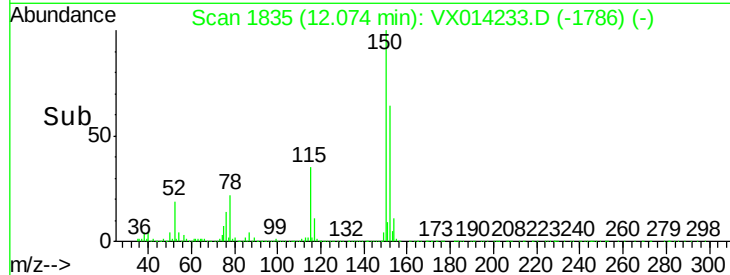
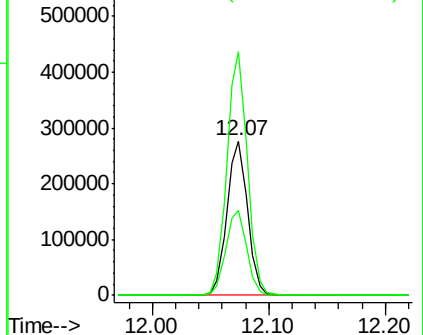
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014233.D
 Acq: 24 Dec 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBL01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	38.3	114.9
150	156.4	0.0	345.4

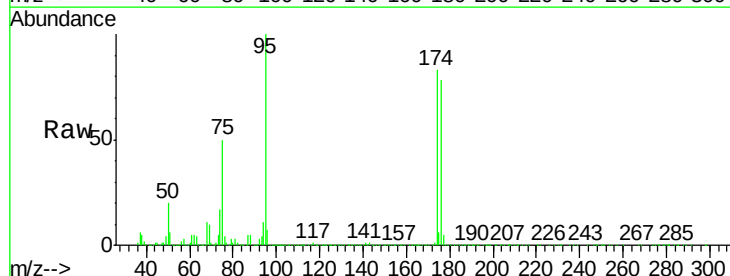


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

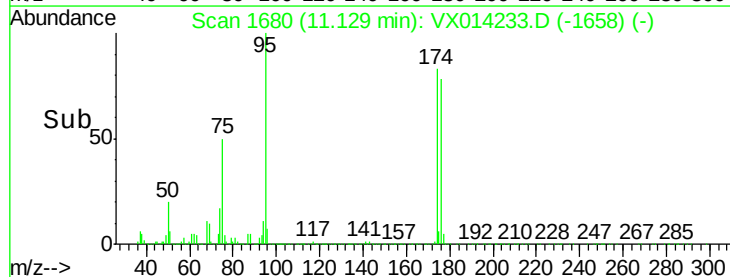
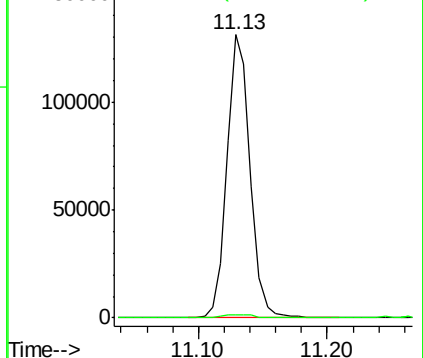


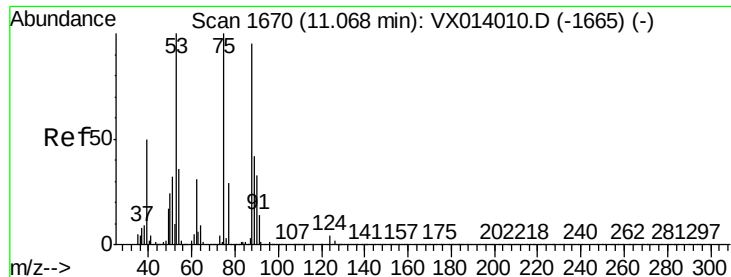
#76
 1,2,3-Trichloropropane
 Concen: 22.332 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014233.D
 Acq: 24 Dec 2019 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	19.3	57.8#



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

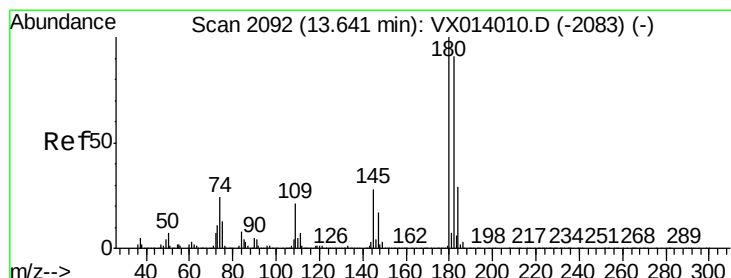
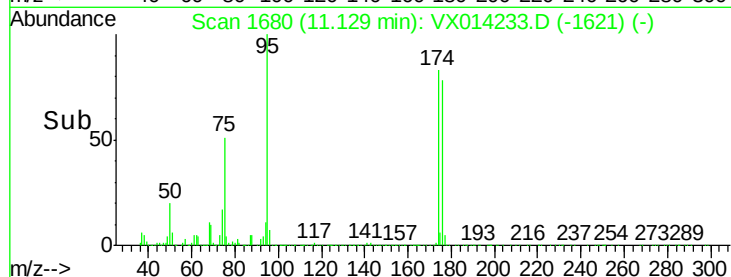
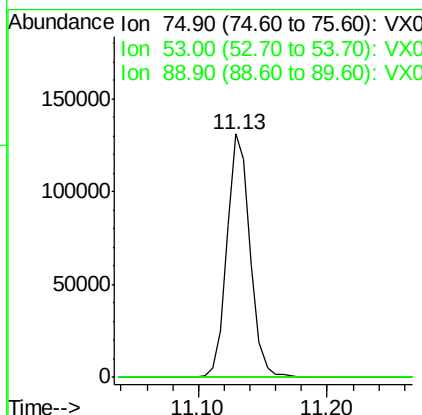
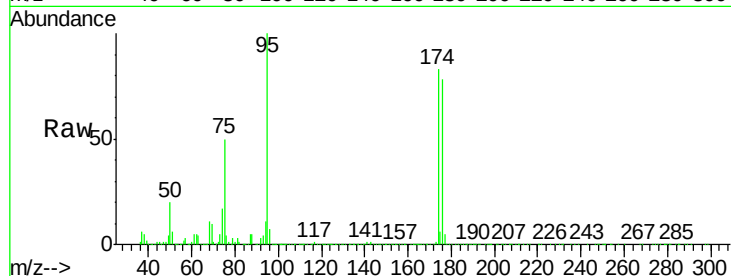




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.032 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014233.D
 Acq: 24 Dec 2019 10:08

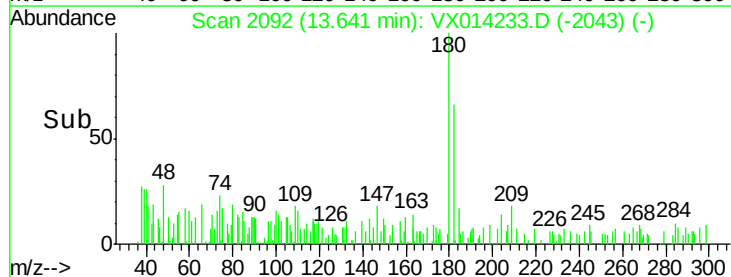
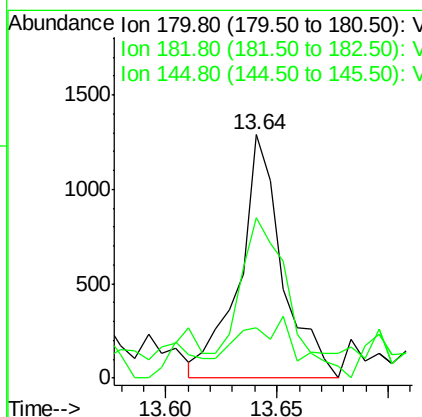
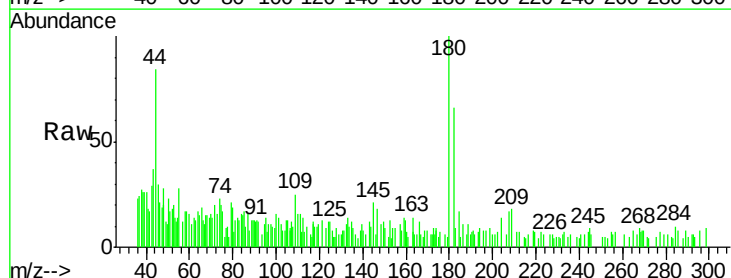
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBL01

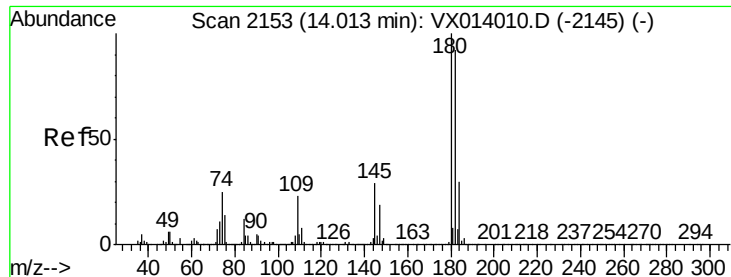
Tgt Ion: 75 Resp: 164770
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.7 115.1#
 89 0.0 34.6 51.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.230 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014233.D
 Acq: 24 Dec 2019 10:08

Tgt Ion: 180 Resp: 1738
 Ion Ratio Lower Upper
 180 100
 182 74.4 46.6 139.8
 145 17.4 14.2 42.6

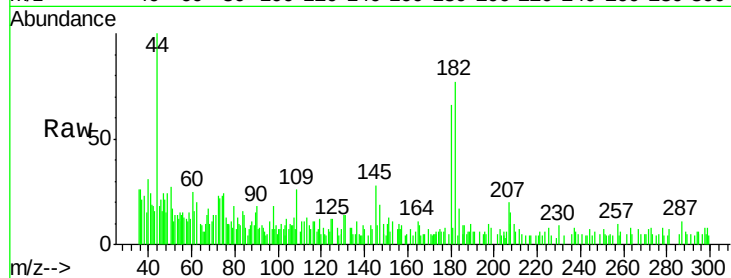




#96
 1,2,3-Trichlorobenzene
 Concen: 0.258 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014233.D
 Acq: 24 Dec 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	46.8	140.3
145	35.9	14.8	44.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

