

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
 Data File : VX014223.D
 Acq On : 24 Dec 2019 00:31
 Operator : JC/SP
 Sample : K6401-01 800X
 Misc : 4.72g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C0B37

Quant Time: Dec 24 03:48:21 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	576017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	888556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	797489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	368304	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	319260	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	5.49	113	262797	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	8.71	98	1052144	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.14	95	359786	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

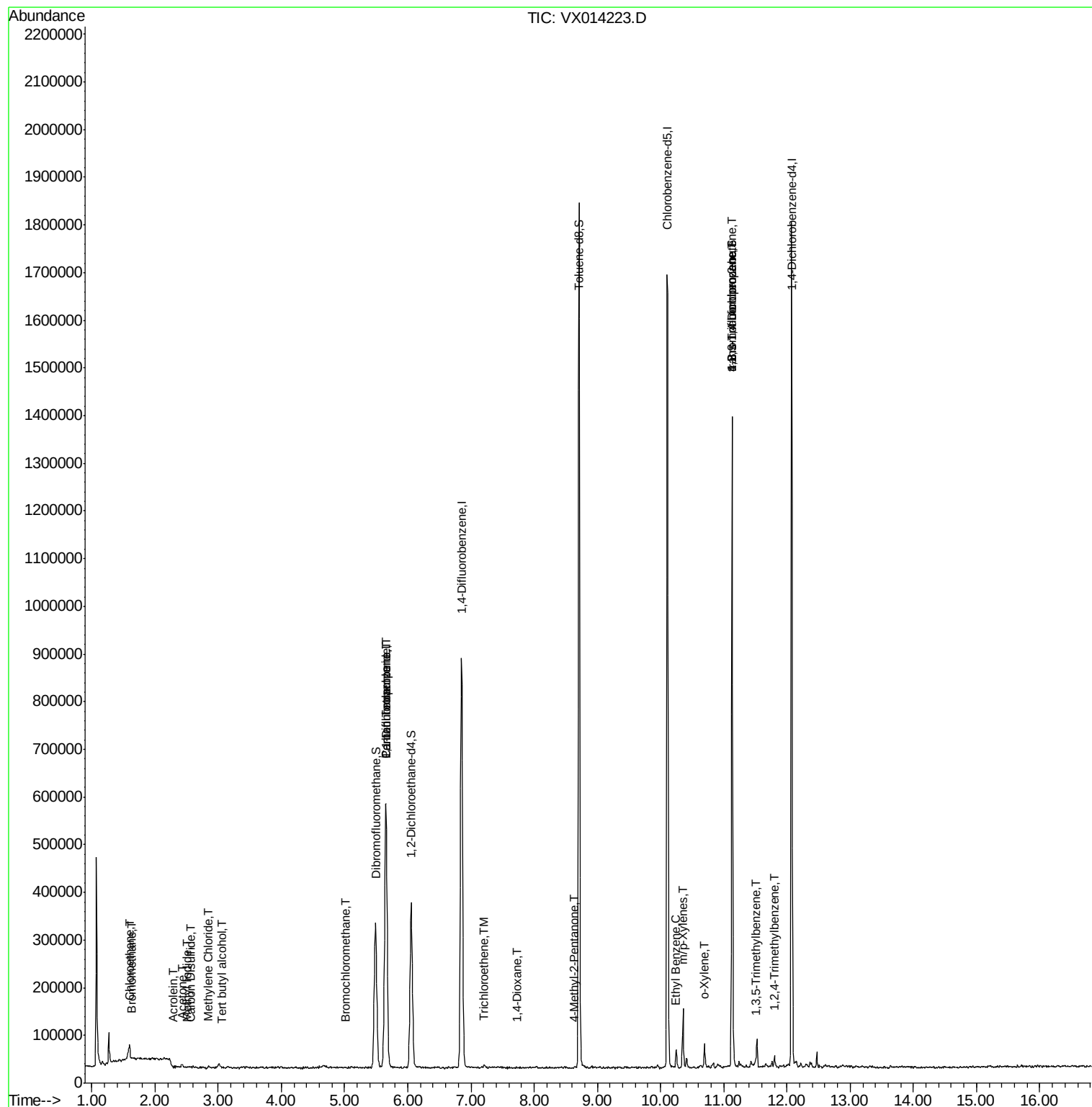
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1719	0.332	ug/l	94
6) Chloroethane	1.60	64	12172	2.703	ug/l #	56
10) Methyl Iodide	2.51	142	1985	2.883	ug/l #	84
11) Tert butyl alcohol	3.06	59	559	0.396	ug/l #	1
13) Acrolein	2.28	56	381	0.472	ug/l	93
16) Acetone	2.43	43	9898	2.335	ug/l #	86
17) Carbon Disulfide	2.56	76	2749	0.926	ug/l #	92
20) Methylene Chloride	2.84	84	2063	0.309	ug/l #	81
28) Bromochloromethane	5.00	49	721	0.623	ug/l #	77
36) 1,1-Dichloropropene	5.65	75	38568	4.731	ug/l #	51
38) Carbon Tetrachloride	5.65	117	49357	6.645	ug/l #	16
44) Trichloroethene	7.21	130	3316	0.479	ug/l	91
49) 1,4-Dioxane	7.73	88	277	1.866	ug/l #	31
51) 4-Methyl-2-Pentanone	8.64	43	2630	0.281	ug/l #	73
67) Ethyl Benzene	10.25	91	23466	0.805	ug/l	97
68) m/p-Xylenes	10.36	106	30843	2.751	ug/l	99
69) o-Xylene	10.70	106	11923	1.084	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	176760	22.107	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.50	105	6200	0.284	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.13	75	176760	62.396	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.80	105	10535	0.482	ug/l	92

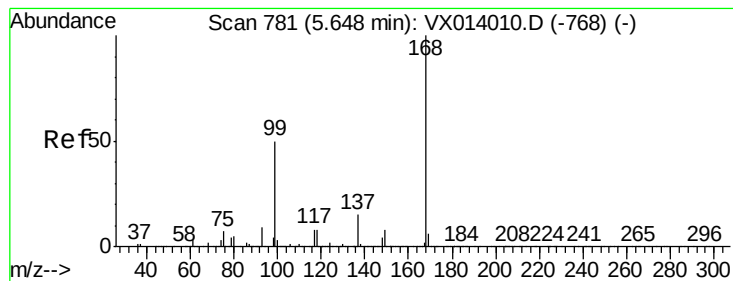
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014223.D

Acq: 24 Dec 2019 00:31

Instrument :

MSVOA_X

ClientSampleId :

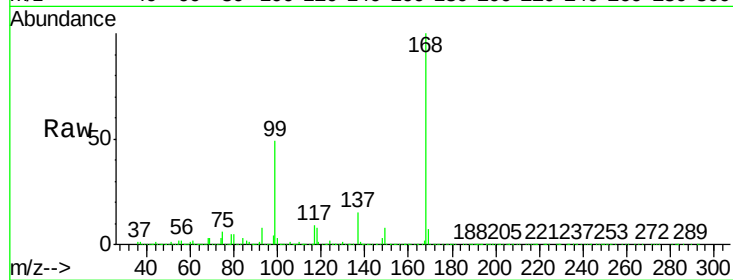
C0B37

Tgt Ion: 168 Resp: 576017

Ion Ratio Lower Upper

168 100

99 48.9 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

250000

200000

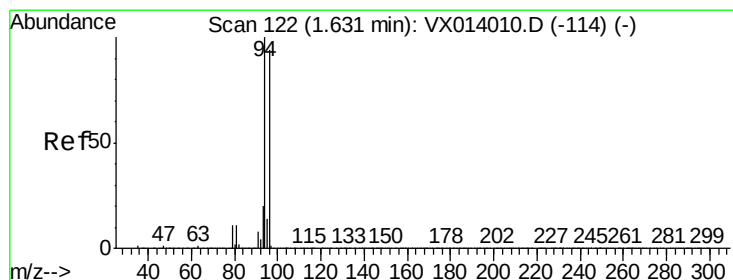
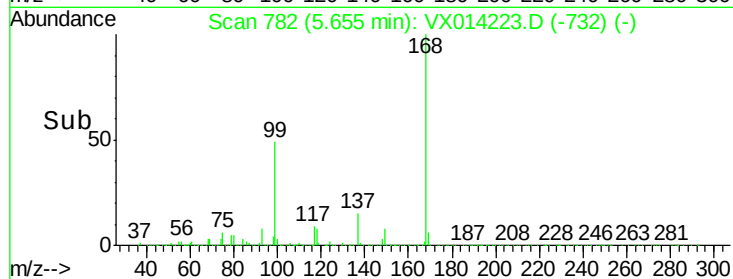
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.332 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014223.D

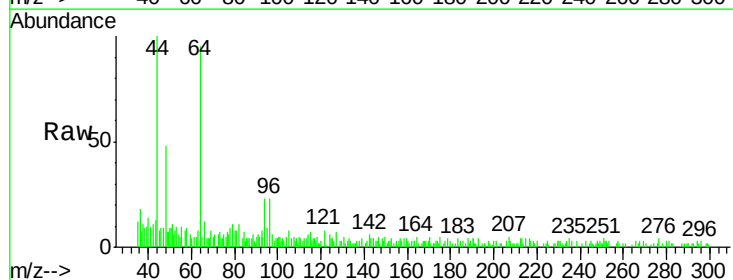
Acq: 24 Dec 2019 00:31

Tgt Ion: 94 Resp: 1719

Ion Ratio Lower Upper

94 100

96 99.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

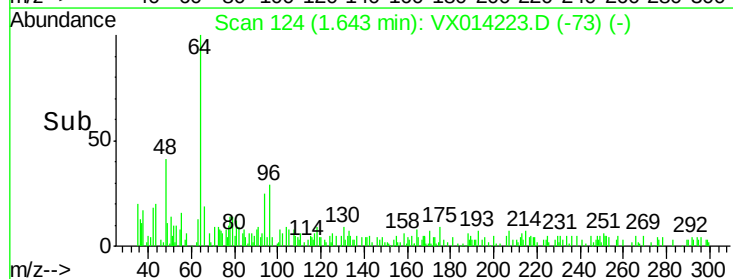
600

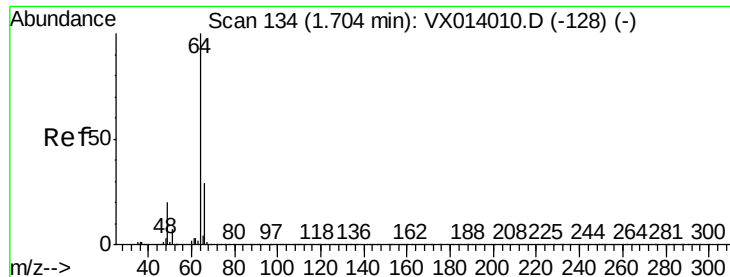
400

200

0

Time-->





#6

Chloroethane

Concen: 2.703 ug/l

RT: 1.60 min Scan# 117

Delta R.T. -0.10 min

Lab File: VX014223.D

Acq: 24 Dec 2019 00:31

Instrument :

MSVOA_X

ClientSampleId :

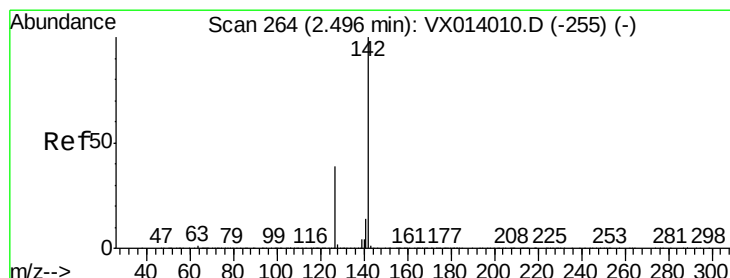
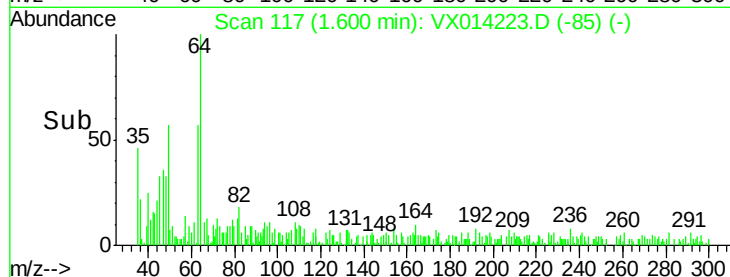
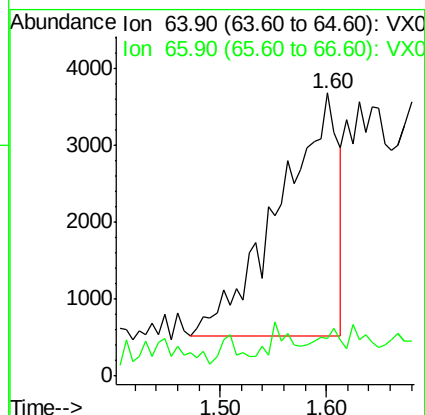
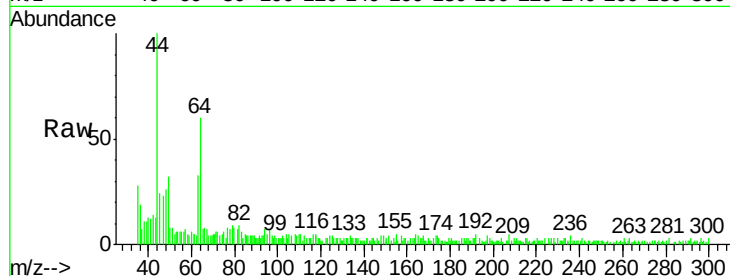
C0B37

Tgt Ion: 64 Resp: 12172

Ion Ratio Lower Upper

64 100

66 5.9 23.4 35.2#



#10

Methyl Iodide

Concen: 2.883 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014223.D

Acq: 24 Dec 2019 00:31

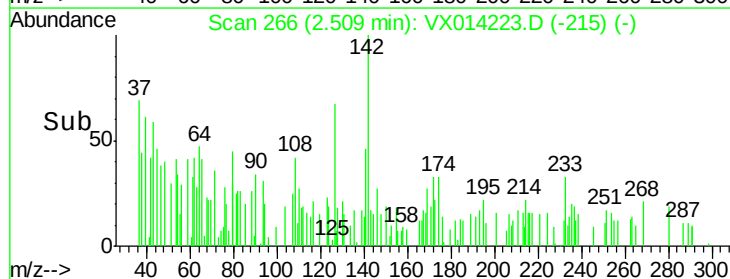
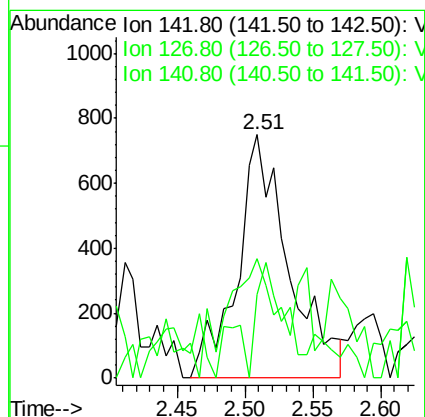
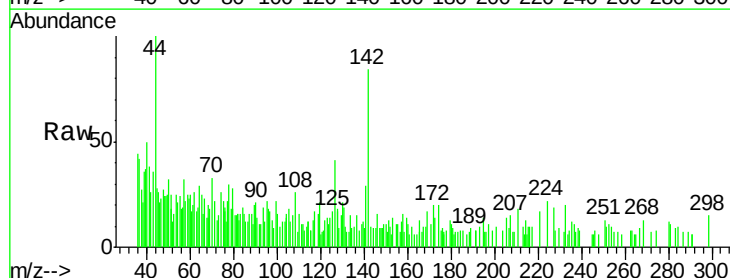
Tgt Ion: 142 Resp: 1985

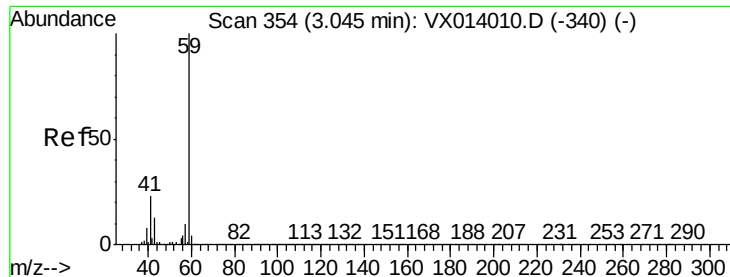
Ion Ratio Lower Upper

142 100

127 46.8 31.6 47.4

141 25.8 11.6 17.4#



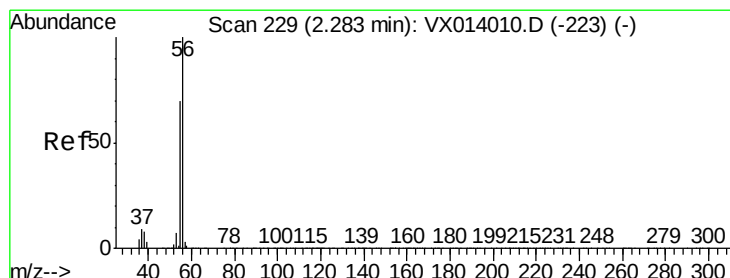
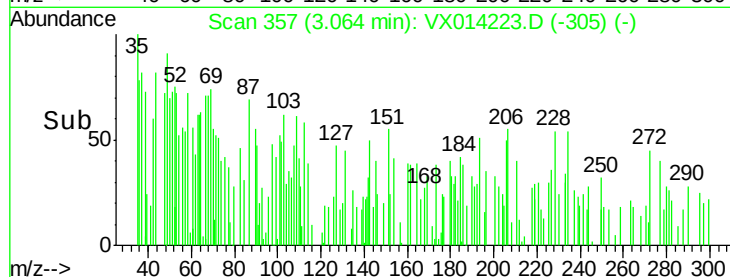
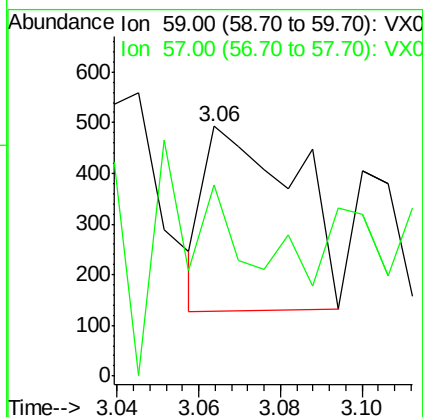
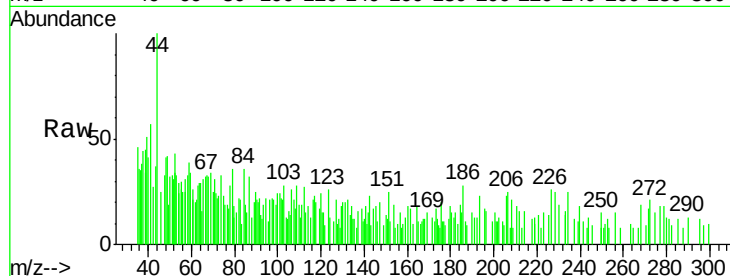


#11

Tert butyl alcohol
 Concen: 0.396 ug/l
 RT: 3.06 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VX014223.D
 Acq: 24 Dec 2019 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 C0B37

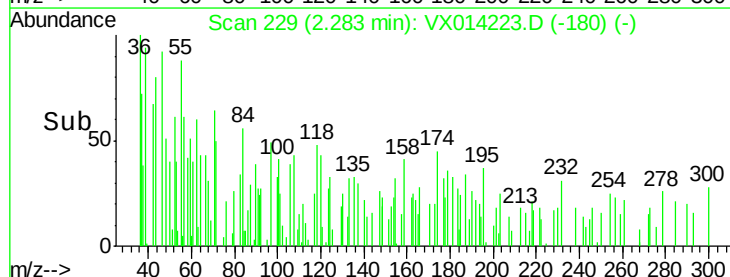
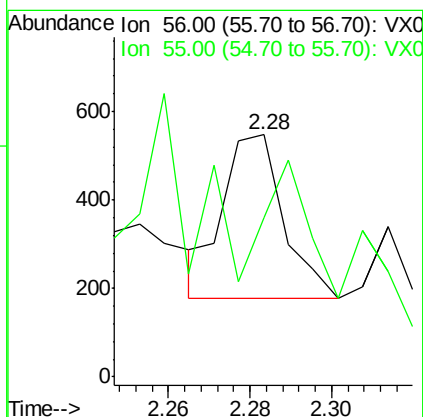
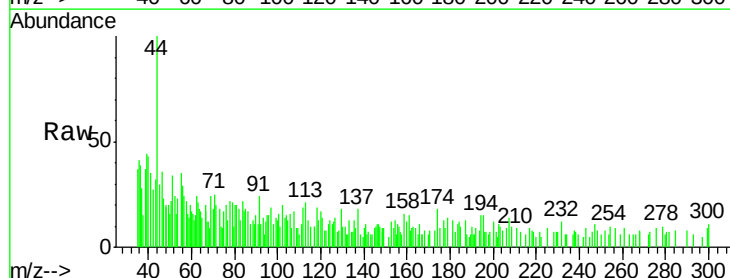
Tgt Ion: 59 Resp: 559
 Ion Ratio Lower Upper
 59 100
 57 97.5 8.4 12.6#

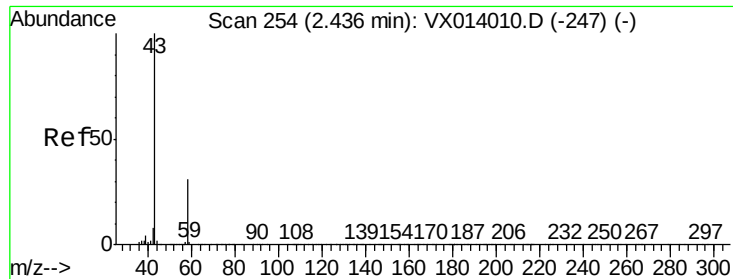


#13

Acrolein
 Concen: 0.472 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014223.D
 Acq: 24 Dec 2019 00:31

Tgt Ion: 56 Resp: 381
 Ion Ratio Lower Upper
 56 100
 55 65.1 56.9 85.3

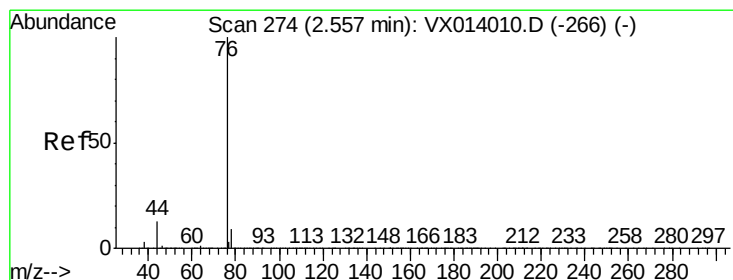
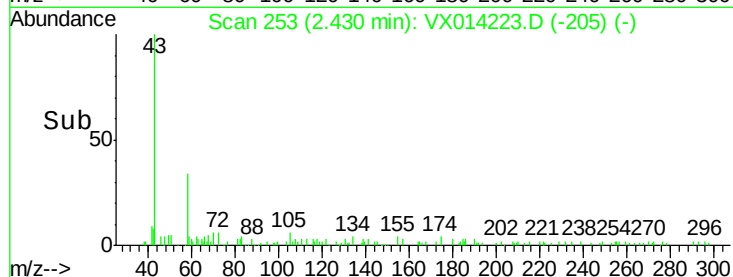
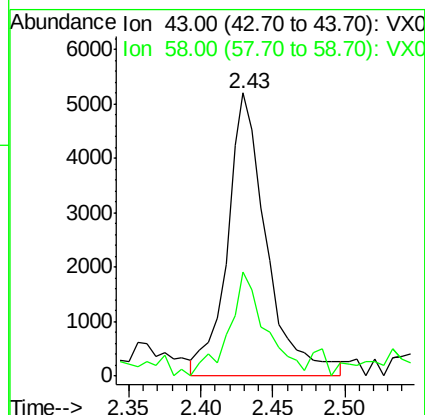
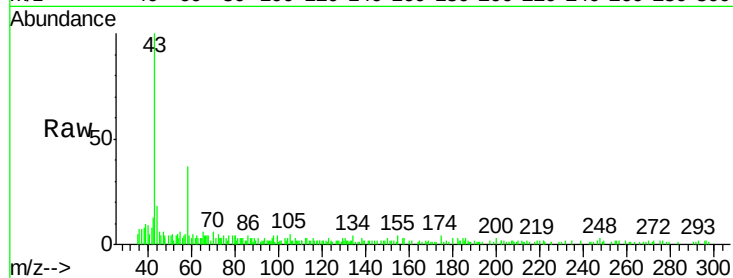




#16
Acetone
Concen: 2.335 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014223.D
Acq: 24 Dec 2019 00:31

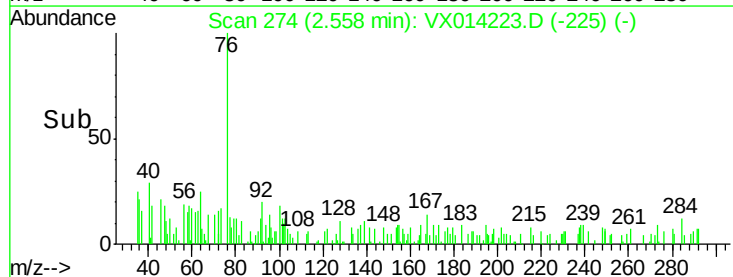
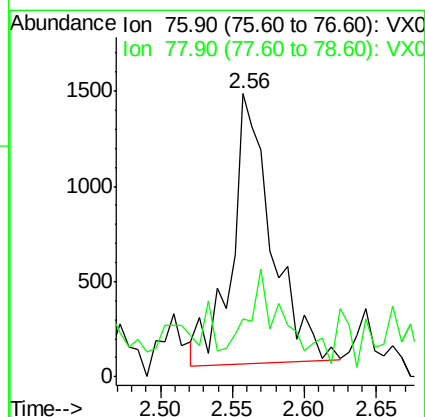
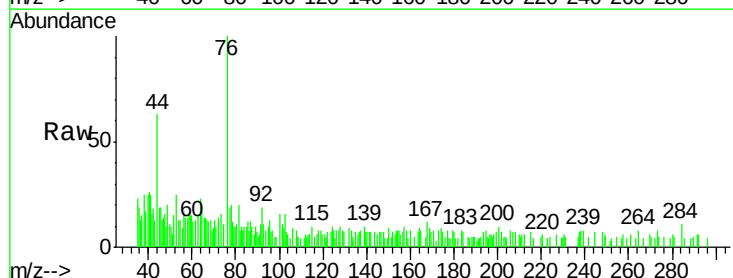
Instrument :
MSVOA_X
ClientSampleId :
C0B37

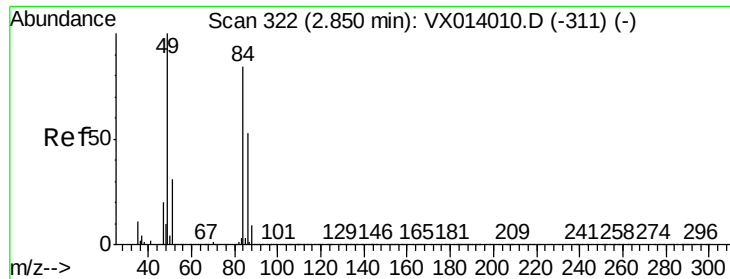
Tgt Ion: 43 Resp: 9898
Ion Ratio Lower Upper
43 100
58 38.9 24.9 37.3#



#17
Carbon Disulfide
Concen: 0.926 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX014223.D
Acq: 24 Dec 2019 00:31

Tgt Ion: 76 Resp: 2749
Ion Ratio Lower Upper
76 100
78 6.0 7.2 10.8#

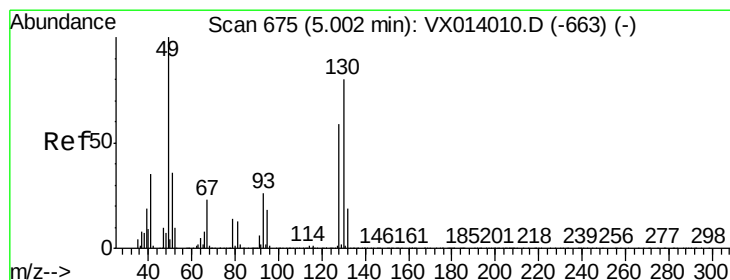
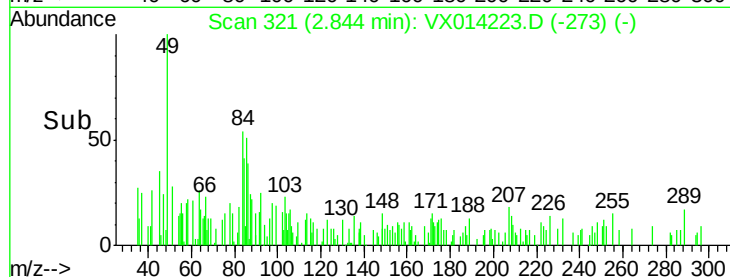
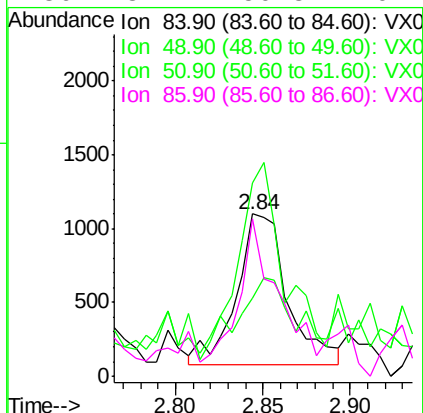
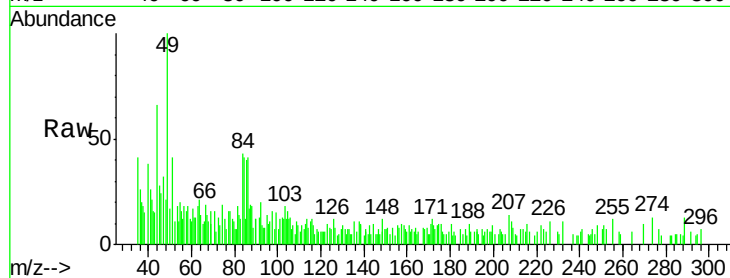




#20
Methylene Chloride
Concen: 0.309 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014223.D
Acq: 24 Dec 2019 00:31

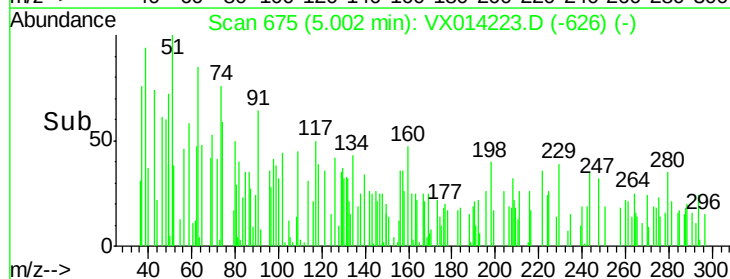
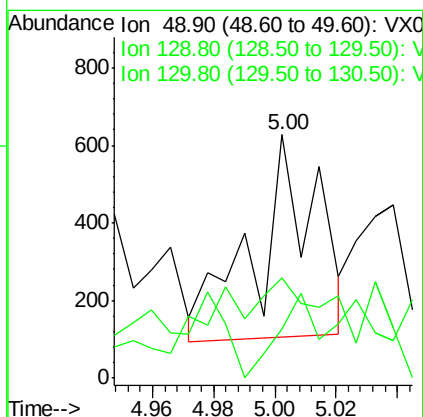
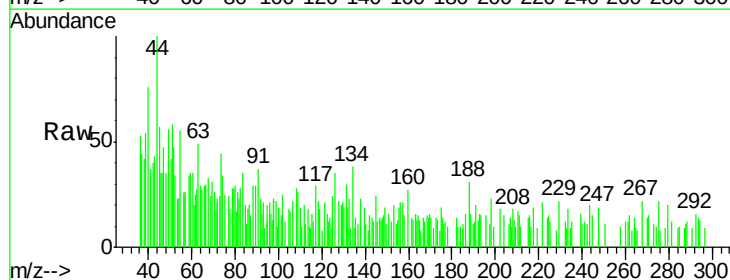
Instrument :
MSVOA_X
ClientSampled :
C0B37

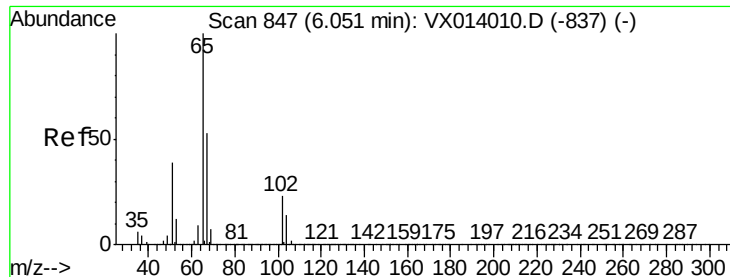
Tgt Ion:	84	Resp:	2063
Ion	Ratio	Lower	Upper
84	100		
49	108.9	95.8	143.6
51	10.9	29.8	44.8#
86	81.1	50.8	76.2#



#28
Bromochloromethane
Concen: 0.623 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014223.D
Acq: 24 Dec 2019 00:31

Tgt Ion:	49	Resp:	721
Ion	Ratio	Lower	Upper
49	100		
129	25.9	0.0	5.0#
130	61.4	64.6	97.0#

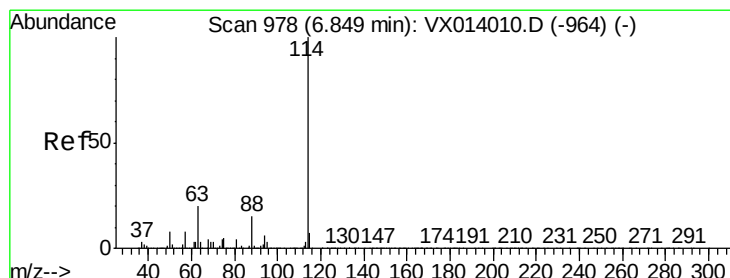
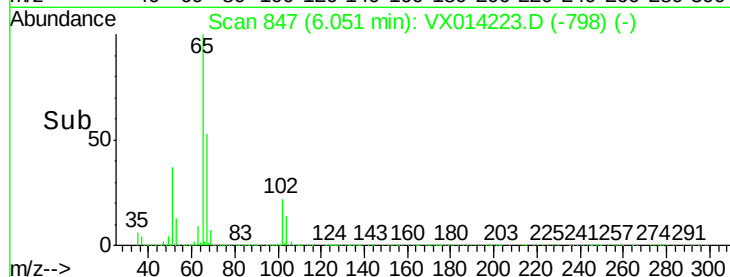
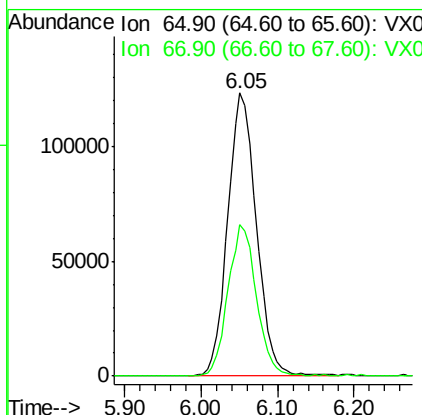
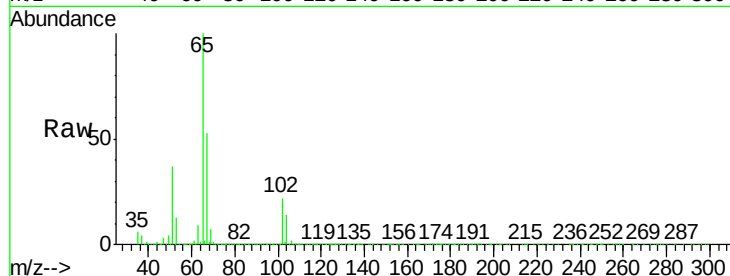




#33
 1,2-Dichloroethane-d4
 Concen: 48.904 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014223.D
 Acq: 24 Dec 2019 00:31

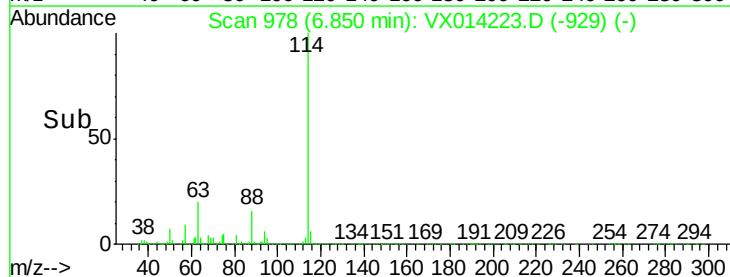
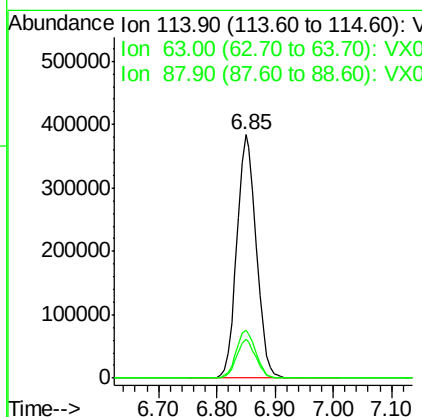
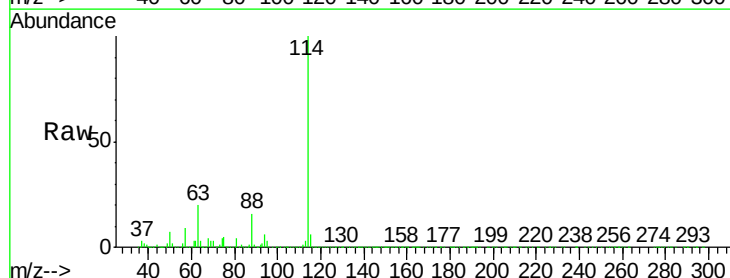
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 ClientSampled :
 C0B37

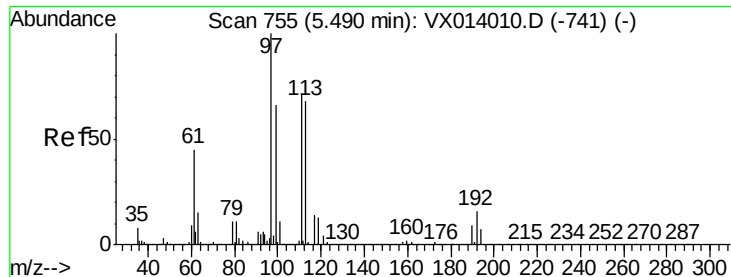
Tgt Ion: 65 Resp: 319260
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014223.D
 Acq: 24 Dec 2019 00:31

Tgt Ion: 114 Resp: 888556
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.8
 88 16.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.653 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014223.D

Acq: 24 Dec 2019 00:31

Instrument :

MSVOA_X

ClientSampleId :

C0B37

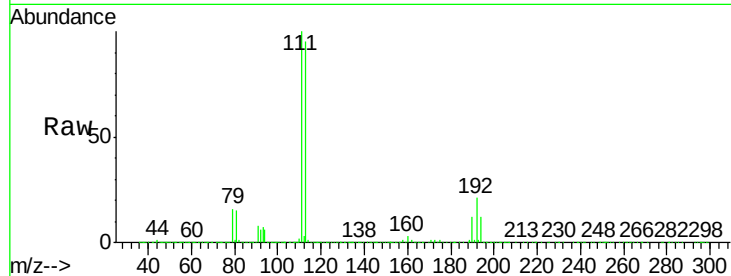
Tgt Ion:113 Resp: 262797

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

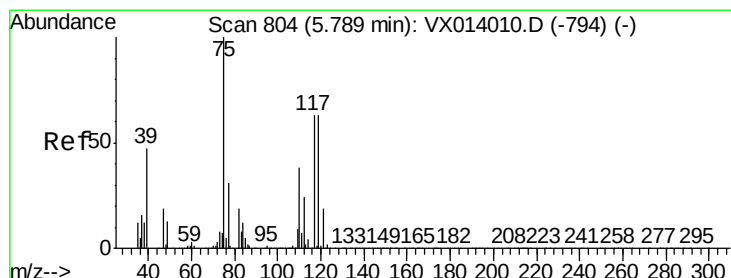
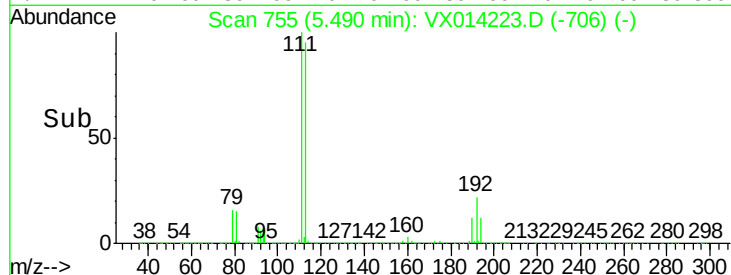
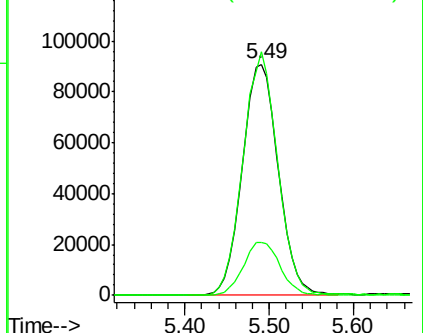
192 23.4 19.3 28.9



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: 4.731 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014223.D

Acq: 24 Dec 2019 00:31

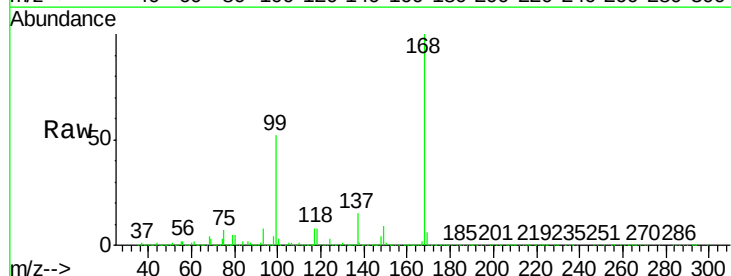
Tgt Ion: 75 Resp: 38568

Ion Ratio Lower Upper

75 100

110 10.8 18.3 54.9#

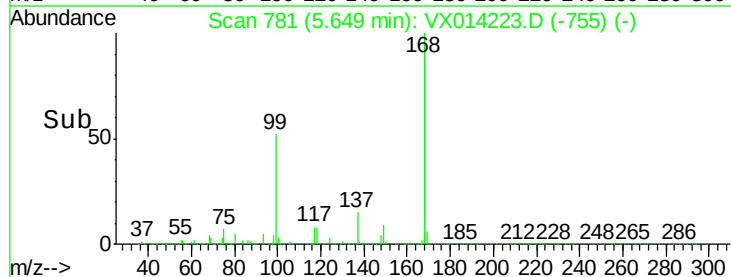
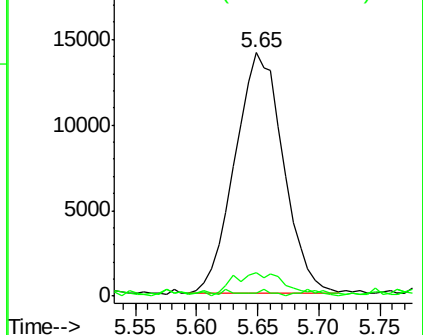
77 1.1 24.8 37.2#

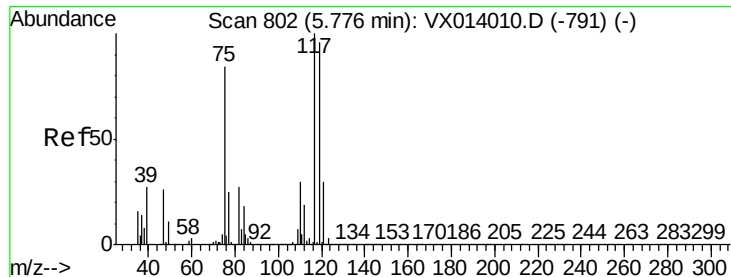


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.645 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014223.D

Acq: 24 Dec 2019 00:31

Instrument :

MSVOA_X

ClientSampleId :

C0B37

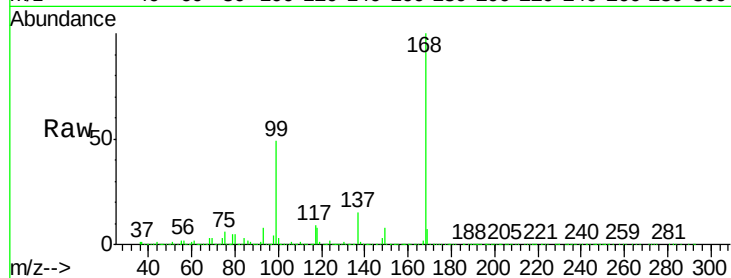
Tgt Ion:117 Resp: 49357

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.4#

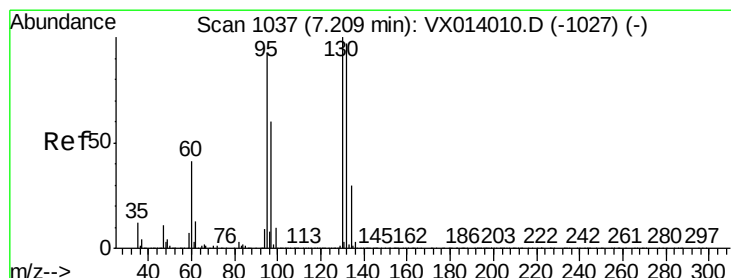
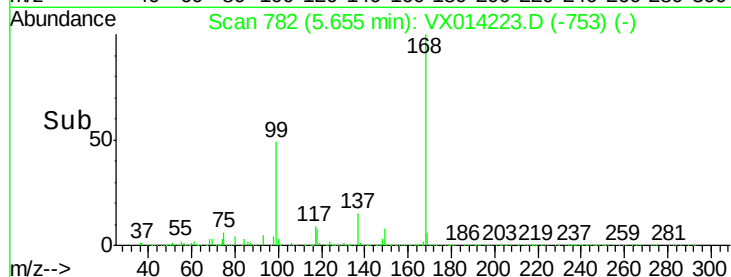
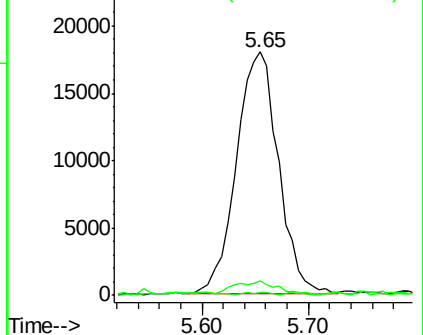
121 0.0 23.6 35.4#



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



#44

Trichloroethene

Concen: 0.479 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014223.D

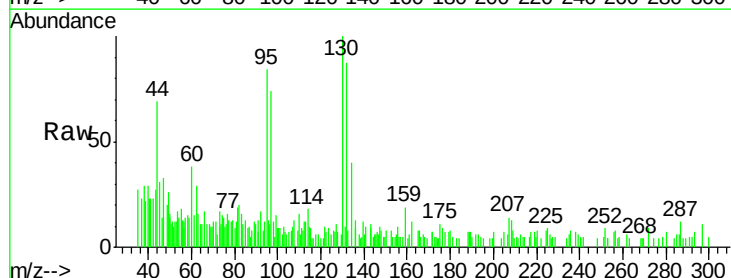
Acq: 24 Dec 2019 00:31

Tgt Ion:130 Resp: 3316

Ion Ratio Lower Upper

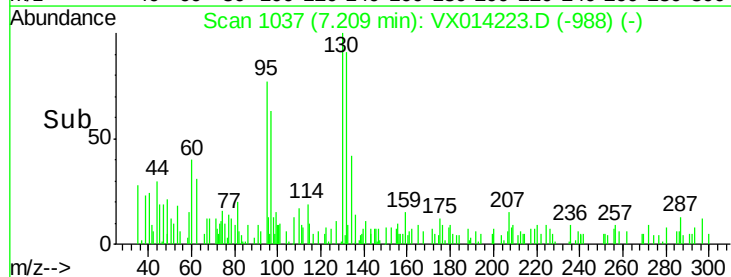
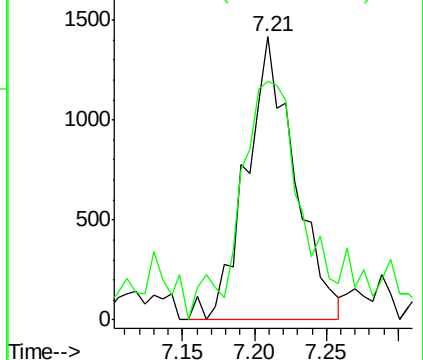
130 100

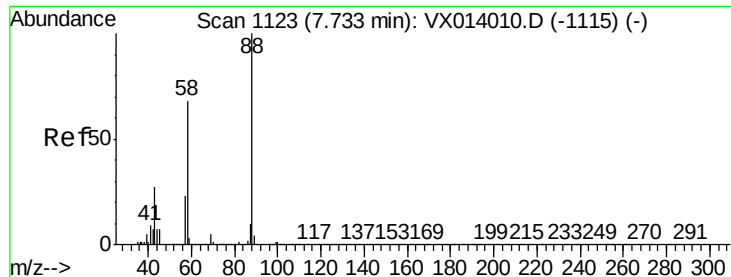
95 84.4 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.866 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014223.D

Acq: 24 Dec 2019 00:31

Instrument :

MSVOA_X

ClientSampled :

C0B37

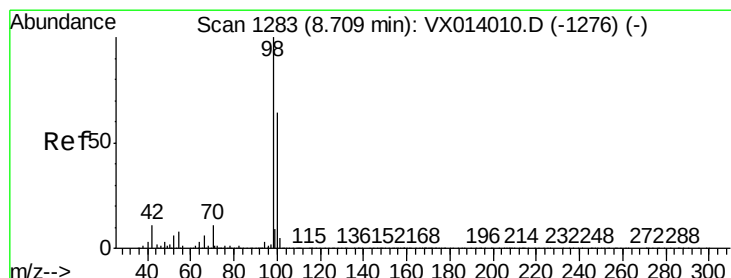
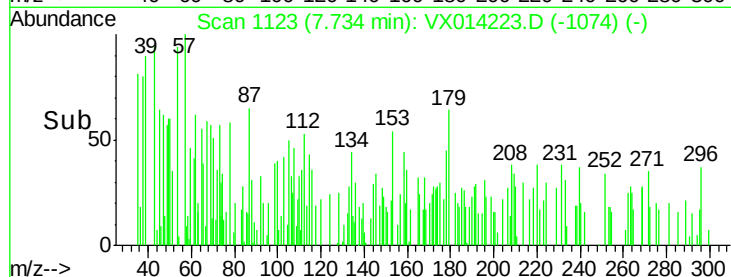
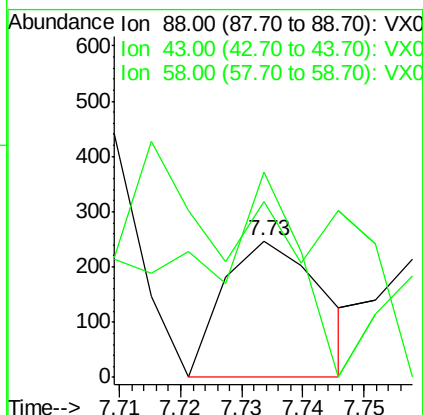
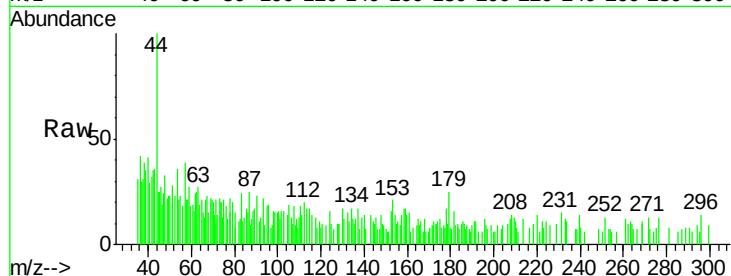
Tgt Ion: 88 Resp: 277

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

58 131.8 56.8 85.2#



#50

Toluene-d8

Concen: 50.033 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014223.D

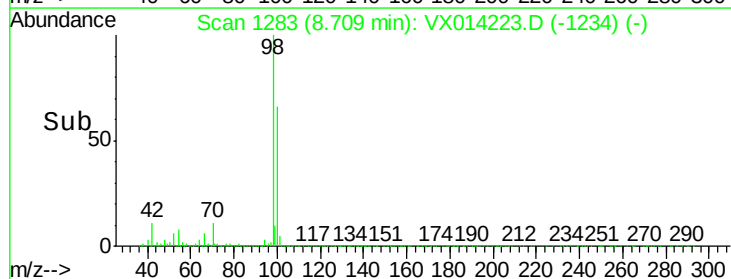
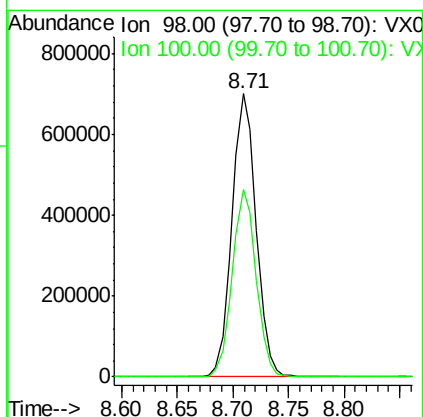
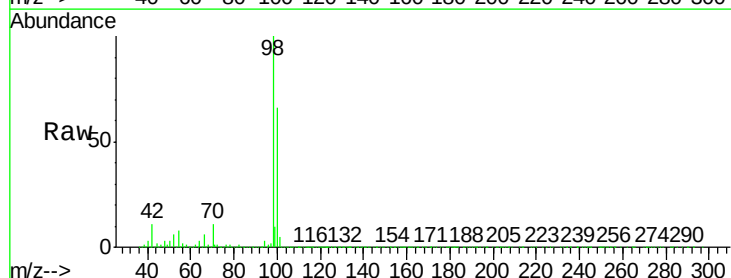
Acq: 24 Dec 2019 00:31

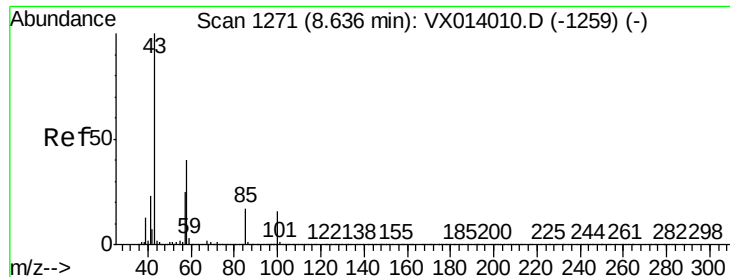
Tgt Ion: 98 Resp: 1052144

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3

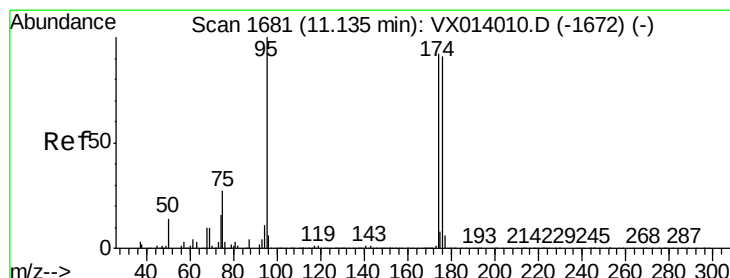
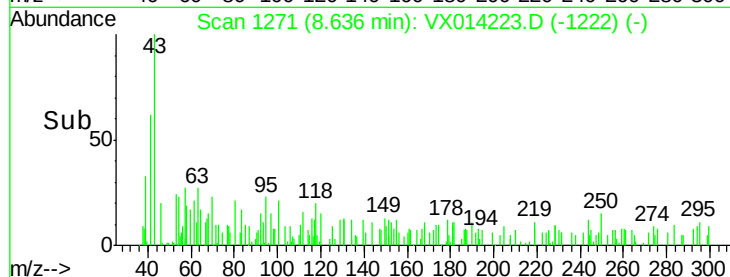
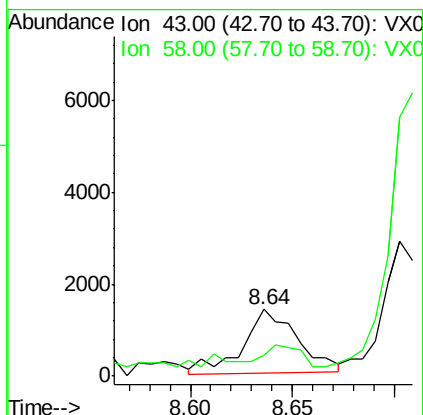
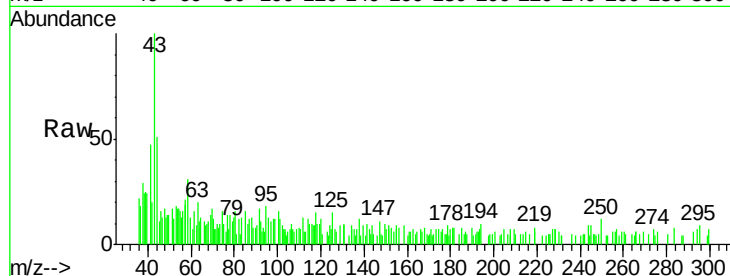




#51
 4-Methyl-2-Pentanone
 Concen: 0.281 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014223.D
 Acq: 24 Dec 2019 00:31

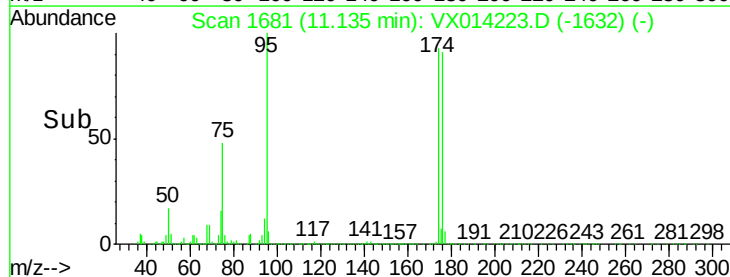
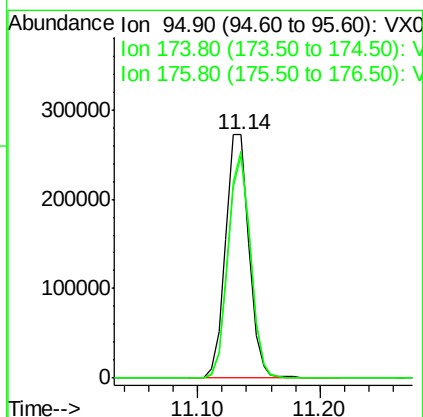
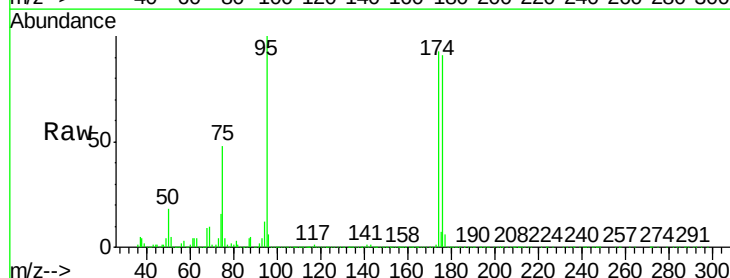
Instrument :
 MSVOA_X
 ClientSampleId :
 C0B37

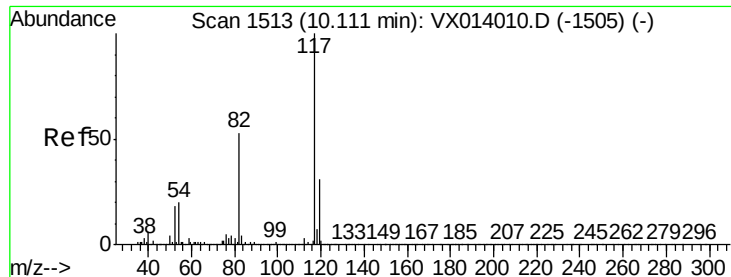
Tgt Ion: 43 Resp: 2630
 Ion Ratio Lower Upper
 43 100
 58 23.7 32.2 48.2#



#62
 4-Bromofluorobenzene
 Concen: 46.804 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014223.D
 Acq: 24 Dec 2019 00:31

Tgt Ion: 95 Resp: 359786
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 175.8
 176 86.6 0.0 173.0

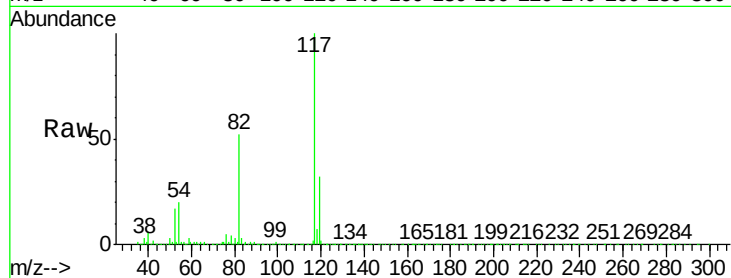




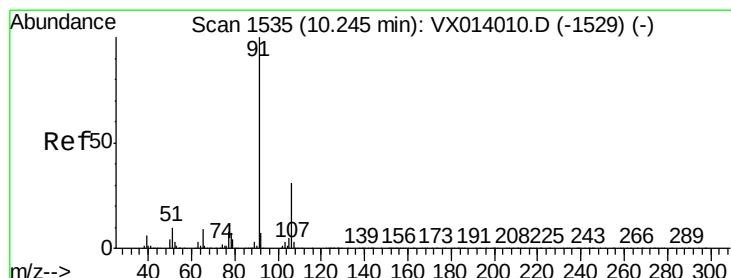
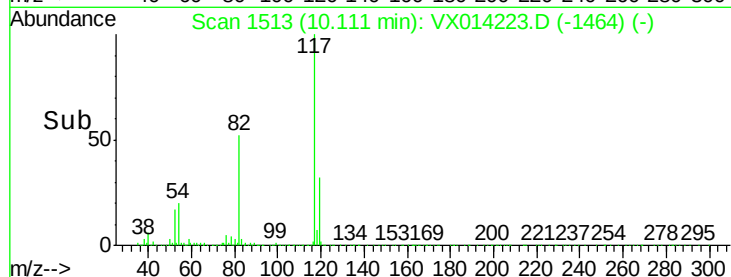
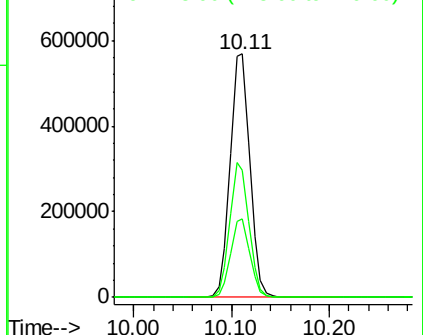
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014223.D
Acq: 24 Dec 2019 00:31

Instrument :
MSVOA_X
ClientSampleId :
C0B37

Tgt Ion: 117 Resp: 797489
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.4
119 32.2 25.1 37.7

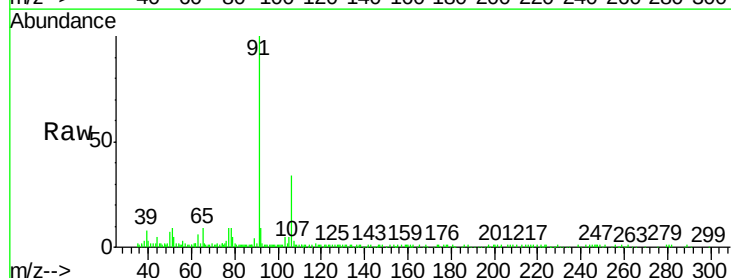


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

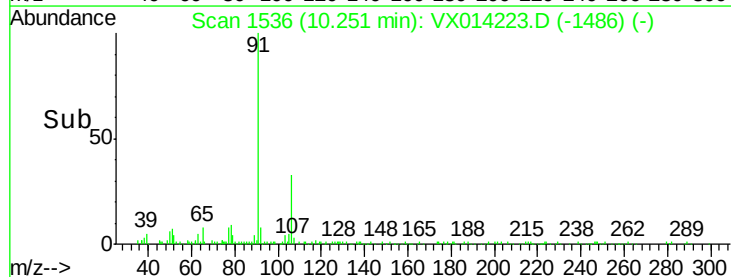
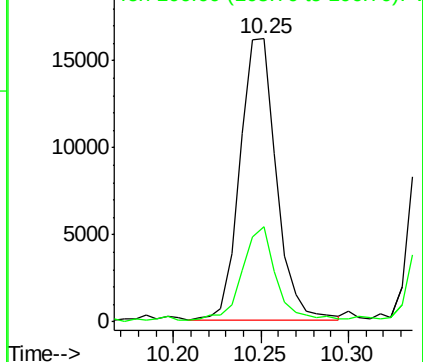


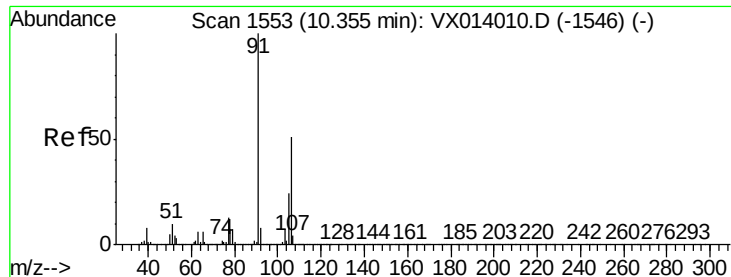
#67
Ethyl Benzene
Concen: 0.805 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX014223.D
Acq: 24 Dec 2019 00:31

Tgt Ion: 91 Resp: 23466
Ion Ratio Lower Upper
91 100
106 33.2 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 2.751 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014223.D

Acq: 24 Dec 2019 00:31

Instrument :

MSVOA_X

ClientSampleId :

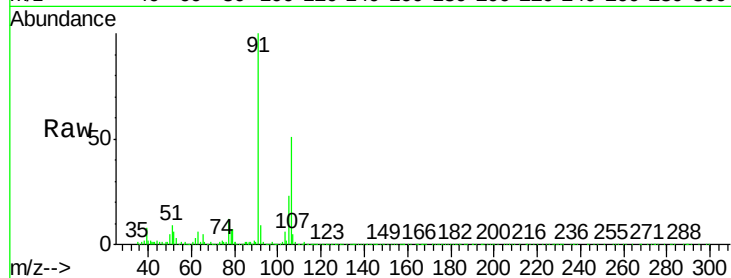
C0B37

Tgt Ion:106 Resp: 30843

Ion Ratio Lower Upper

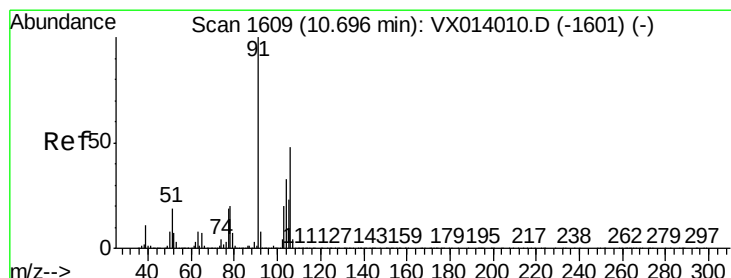
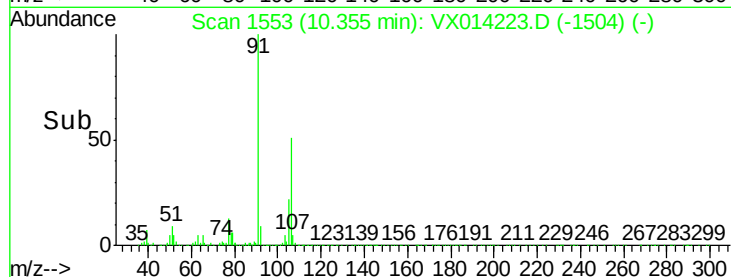
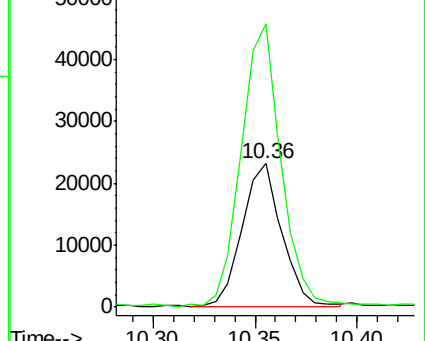
106 100

91 200.2 158.6 238.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 1.084 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014223.D

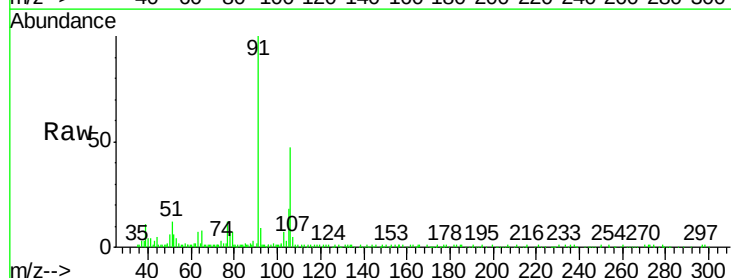
Acq: 24 Dec 2019 00:31

Tgt Ion:106 Resp: 11923

Ion Ratio Lower Upper

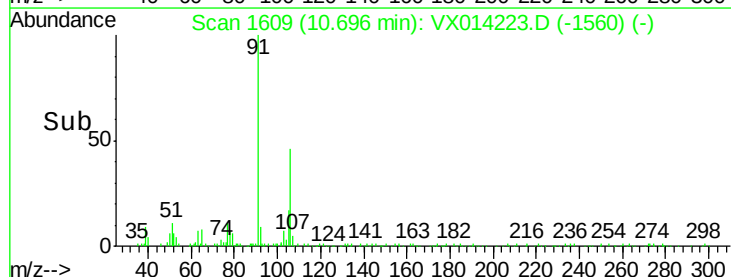
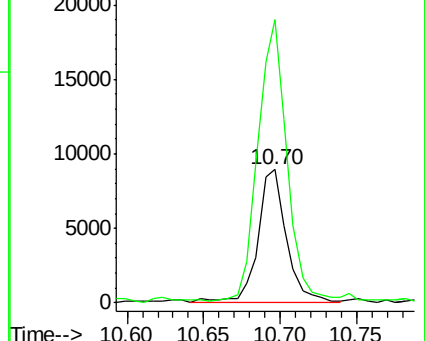
106 100

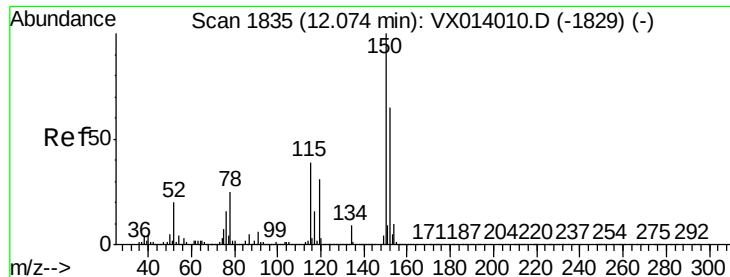
91 208.3 104.2 312.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

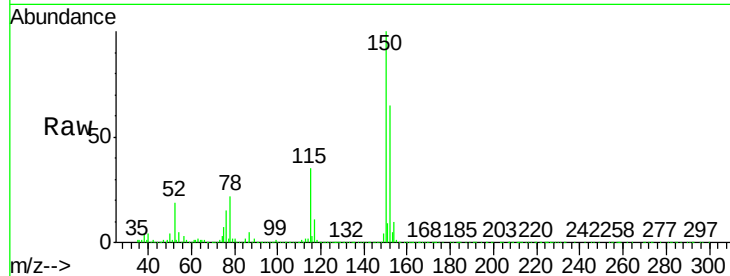




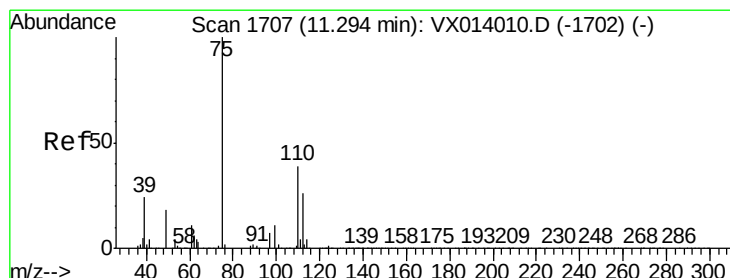
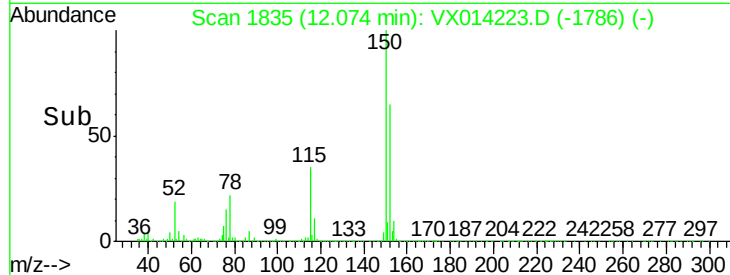
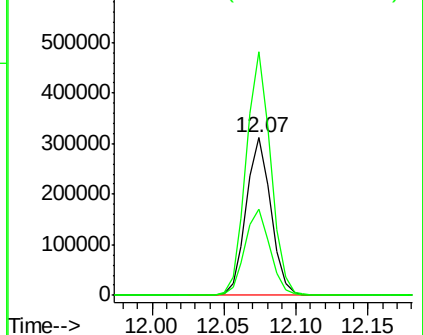
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014223.D
 Acq: 24 Dec 2019 00:31

Instrument :
 MSVOA_X
 ClientSampled :
 C0B37

Tgt Ion: 152 Resp: 368304
 Ion Ratio Lower Upper
 152 100
 115 55.4 38.3 114.9
 150 153.7 0.0 345.4

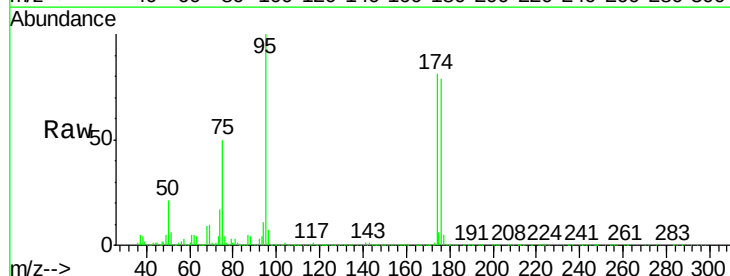


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

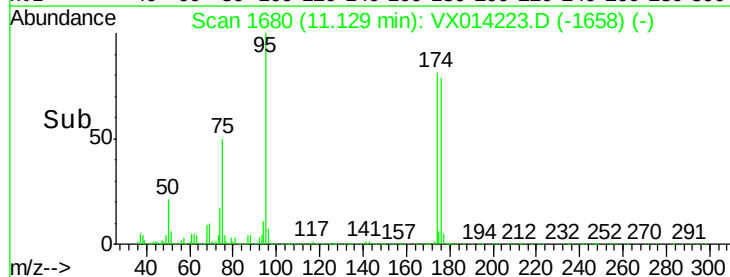
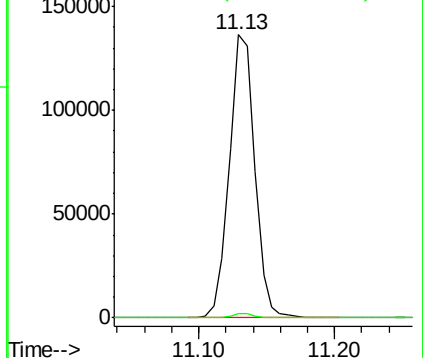


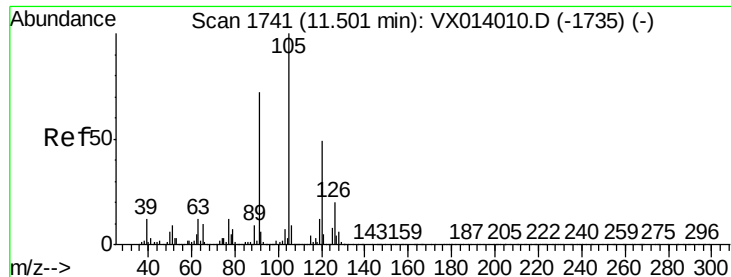
#76
 1,2,3-Trichloropropane
 Concen: 22.107 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014223.D
 Acq: 24 Dec 2019 00:31

Tgt Ion: 75 Resp: 176760
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.3 57.8#



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

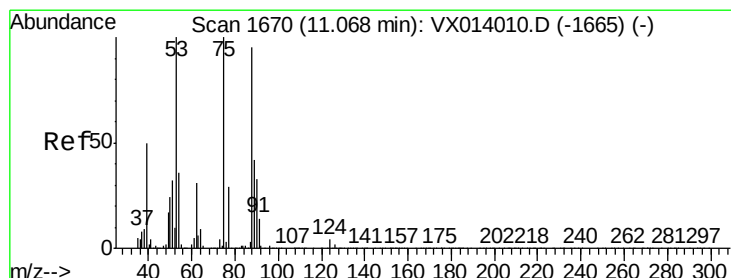
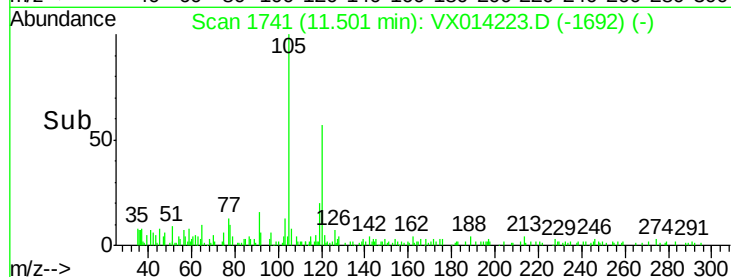
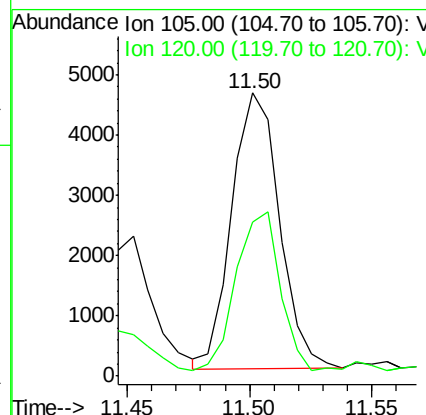
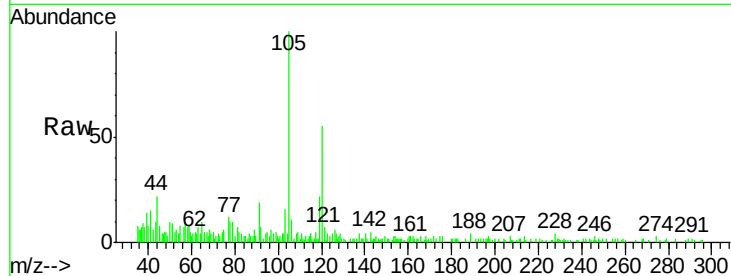




#80
 1,3,5-Trimethylbenzene
 Concen: 0.284 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014223.D
 Acq: 24 Dec 2019 00:31

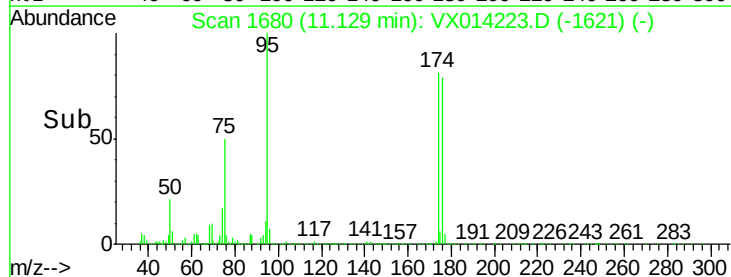
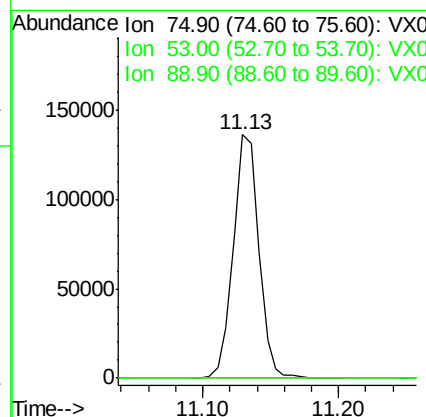
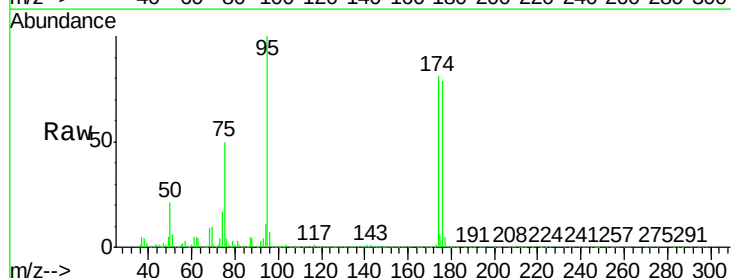
Instrument :
 MSVOA_X
 ClientSampleId :
 C0B37

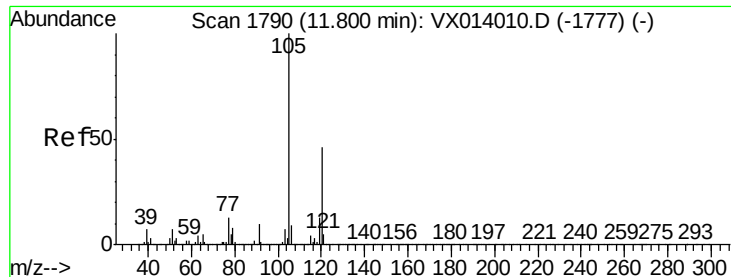
Tgt Ion: 105 Resp: 6200
 Ion Ratio Lower Upper
 105 100
 120 57.1 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.396 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014223.D
 Acq: 24 Dec 2019 00:31

Tgt Ion: 75 Resp: 176760
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.7 115.1#
 89 0.0 34.6 51.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.482 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX014223.D

Acq: 24 Dec 2019 00:31

Instrument :

MSVOA_X

ClientSampleId :

C0B37

Tgt Ion:105 Resp: 10535

Ion Ratio Lower Upper

105 100

120 51.3 23.1 69.2

