

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014154.D
 Acq On : 20 Dec 2019 05:39
 Operator : JC/SP
 Sample : K6372-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 07:34:50 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	559251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	857577	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	758188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	334565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	306675	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	5.49	113	250801	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	8.71	98	1000336	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.14	95	336541	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

Target Compounds

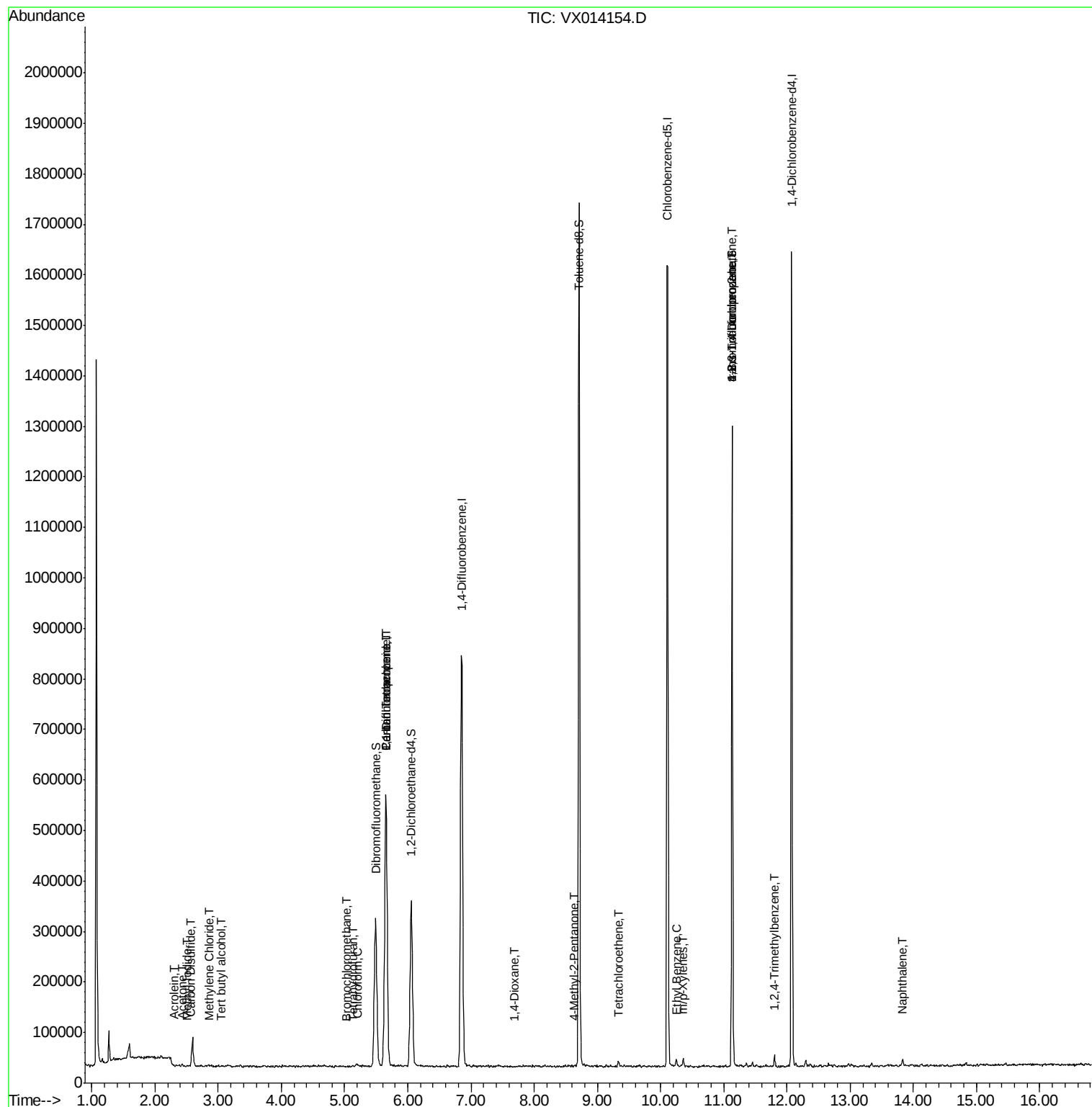
					Qvalue	
10) Methyl Iodide	2.51	142	288	2.660	ug/l #	1
11) Tert butyl alcohol	3.04	59	843	0.616	ug/l #	1
13) Acrolein	2.30	56	502	0.640	ug/l #	48
16) Acetone	2.43	43	5954	1.447	ug/l #	80
17) Carbon Disulfide	2.56	76	1031	0.818	ug/l	98
20) Methylene Chloride	2.84	84	1330	0.205	ug/l #	44
28) Bromochloromethane	5.02	49	346	0.537	ug/l #	11
29) Tetrahydrofuran	5.12	42	1555	0.548	ug/l #	80
30) Chloroform	5.20	83	4832	0.479	ug/l	98
36) 1,1-Dichloropropene	5.65	75	37379	4.750	ug/l #	51
38) Carbon Tetrachloride	5.65	117	48611	6.781	ug/l #	18
49) 1,4-Dioxane	7.68	88	259	1.807	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	2217	0.245	ug/l #	69
64) Tetrachloroethene	9.33	164	2238	0.334	ug/l #	79
67) Ethyl Benzene	10.25	91	11146	0.402	ug/l	100
68) m/p-Xylenes	10.35	106	5170	0.485	ug/l	85
76) 1,2,3-Trichloropropane	11.13	75	163025	22.445	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	163025	63.351	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	11460	0.577	ug/l	95
95) Naphthalene	13.83	128	10268	0.470	ug/l #	92

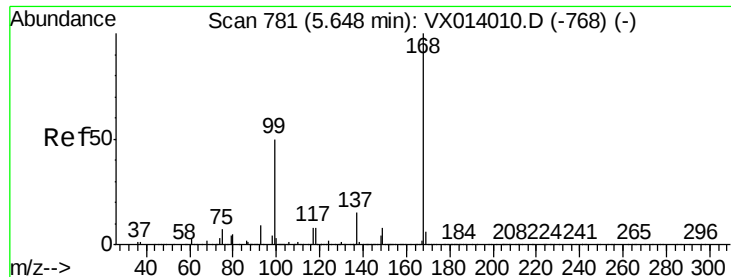
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121919\
Data File : VX014154.D
Acq On : 20 Dec 2019 05:39
Operator : JC/SP
Sample : K6372-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 20 07:34:50 2019
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: VX014154.D

Acq: 20 Dec 2019 05:39

Instrument :

MSVOA_X

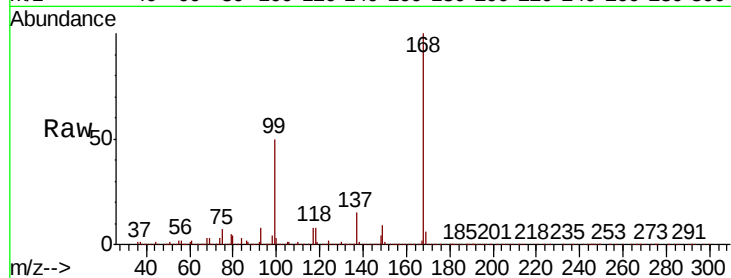
ClientSampled :

Tot Ion:168 Resp: 559251

Ion Ratio Lower Upper

168 100

99 49.9 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

200000

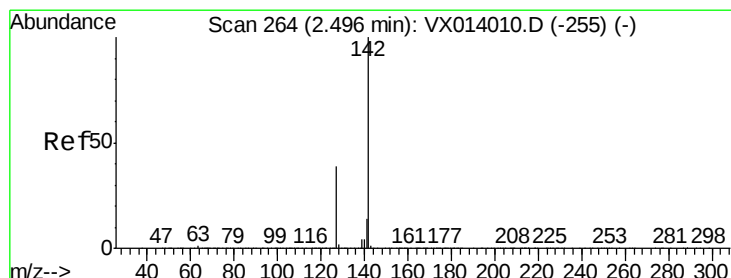
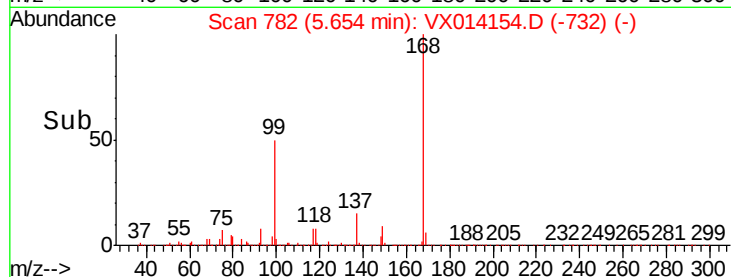
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.660 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

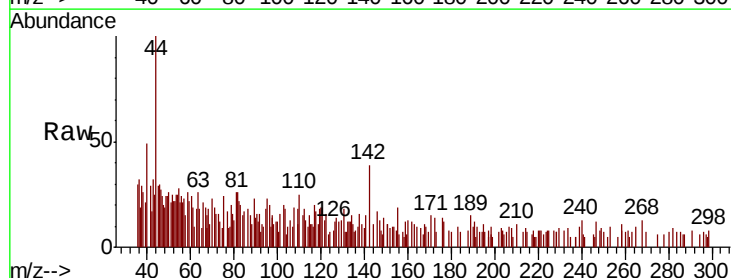
Tgt Ion:142 Resp: 288

Ion Ratio Lower Upper

142 100

127 153.1 31.6 47.4#

141 96.9 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

500

400

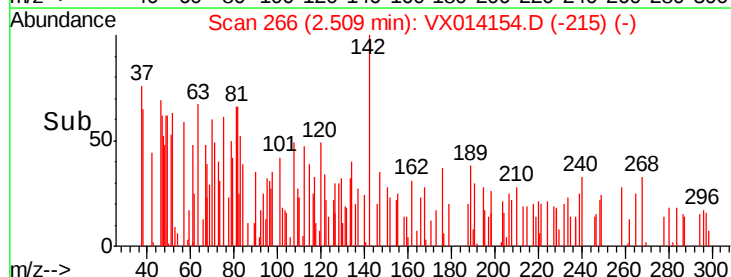
300

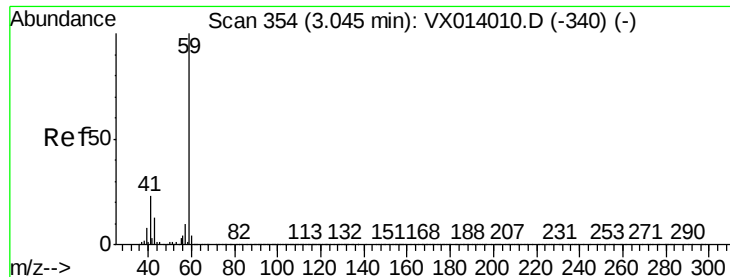
200

100

0

Time-->



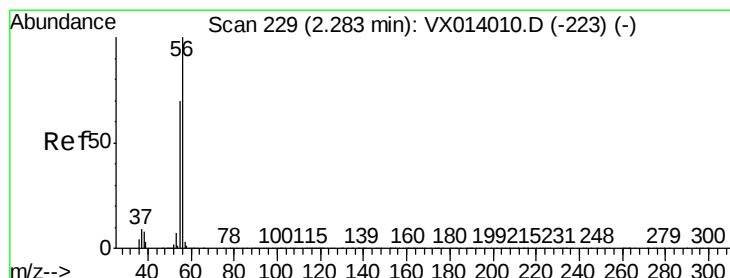
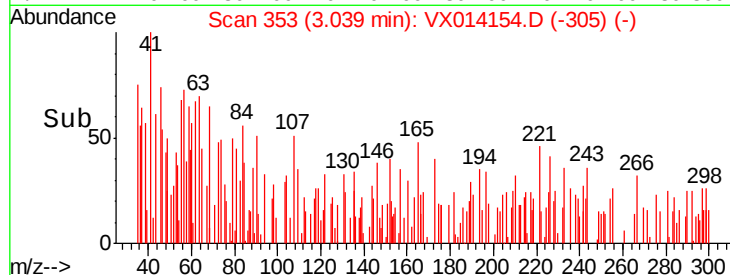
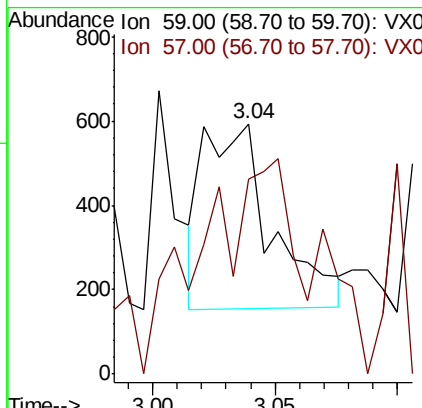
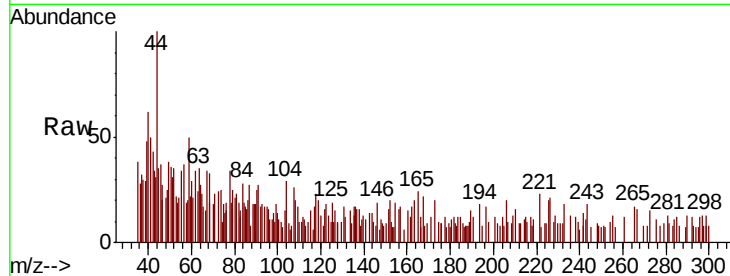


#11

Tert butyl alcohol
 Concen: 0.616 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VX014154.D
 Acq: 20 Dec 2019 05:39

Instrument :
 MSVOA_X
 ClientSampled :

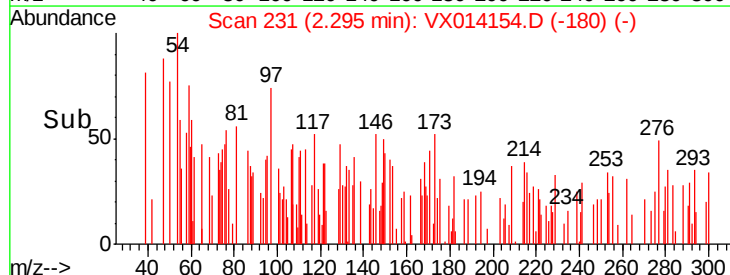
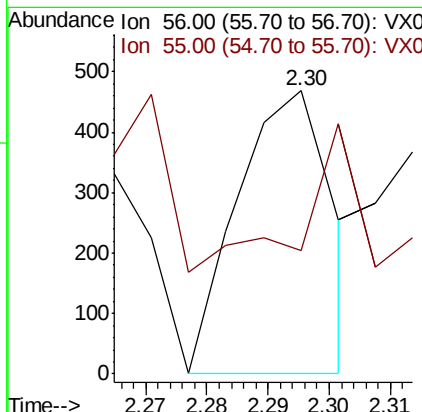
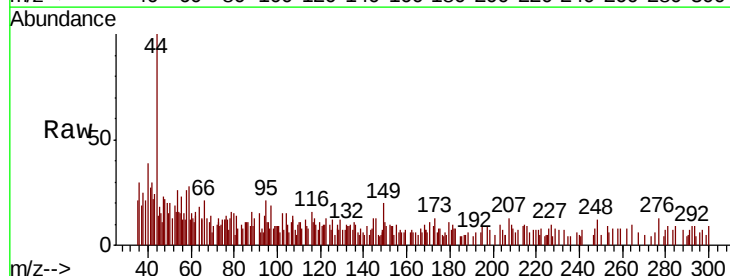
Tot Ion: 59 Resp: 843
 Ion Ratio Lower Upper
 59 100
 57 74.1 8.4 12.6#

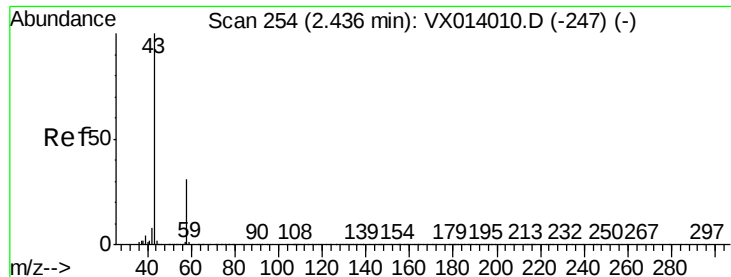


#13

Acrolein
 Concen: 0.640 ug/l
 RT: 2.30 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX014154.D
 Acq: 20 Dec 2019 05:39

Tgt Ion: 56 Resp: 502
 Ion Ratio Lower Upper
 56 100
 55 27.9 56.9 85.3#

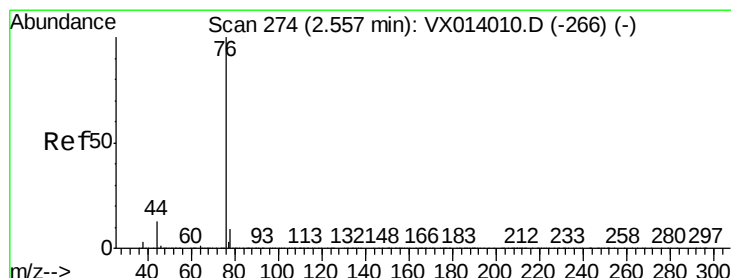
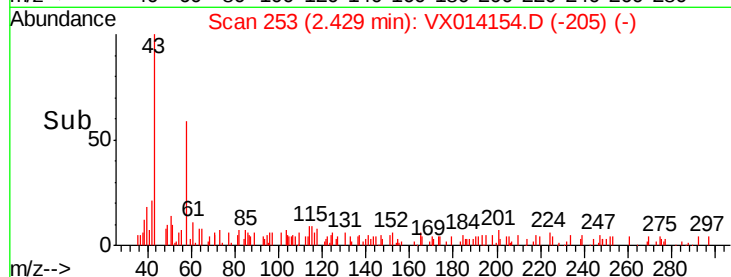
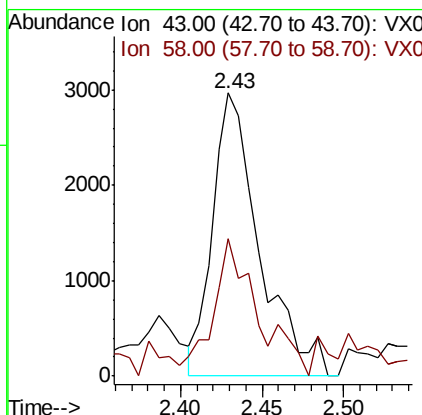
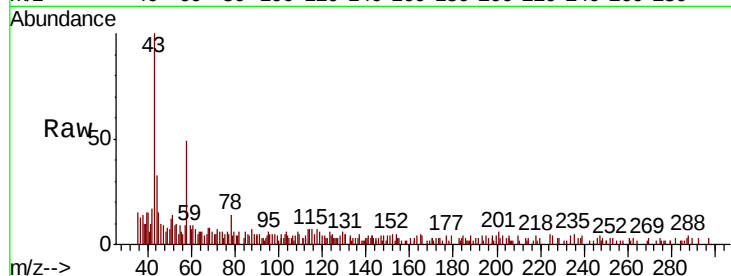




#16
Acetone
Concen: 1.447 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014154.D
Acq: 20 Dec 2019 05:39

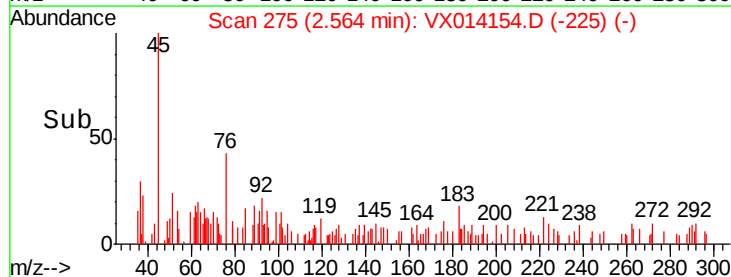
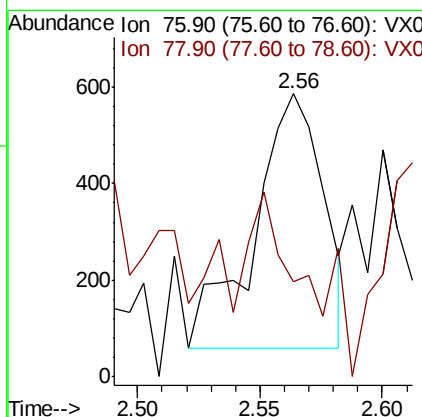
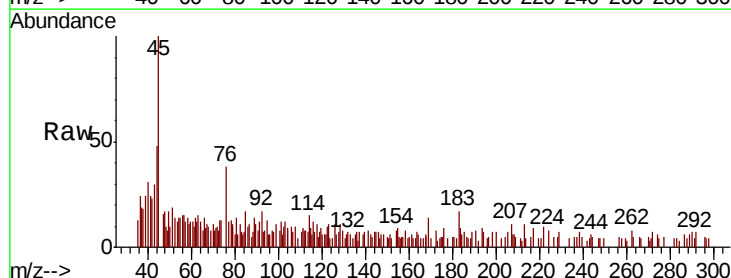
Instrument :
MSVOA_X
ClientSampleId :

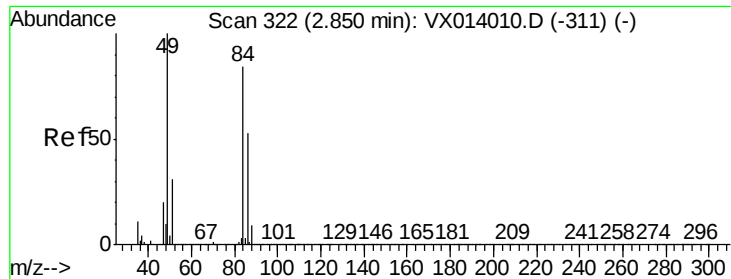
Tot Ion: 43 Resp: 5954
Ion Ratio Lower Upper
43 100
58 42.2 24.9 37.3#



#17
Carbon Disulfide
Concen: 0.818 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014154.D
Acq: 20 Dec 2019 05:39

Tgt Ion: 76 Resp: 1031
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8

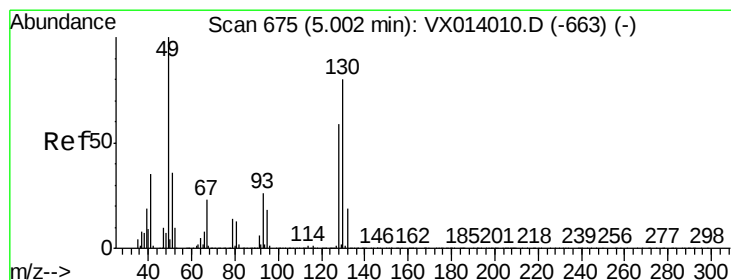
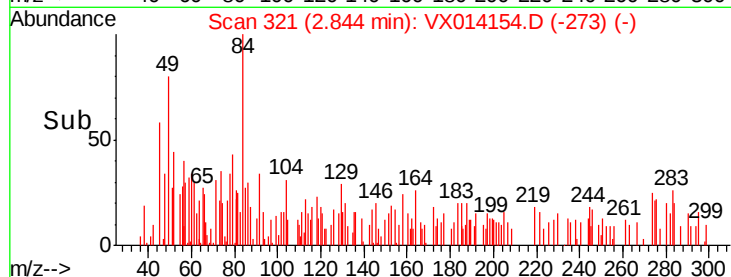
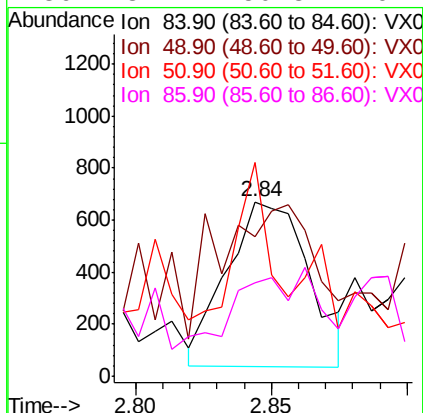
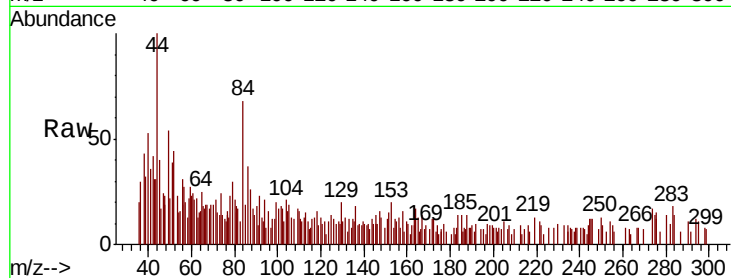




#20
Methvlene Chloride
Concen: 0.205 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014154.D
Acq: 20 Dec 2019 05:39

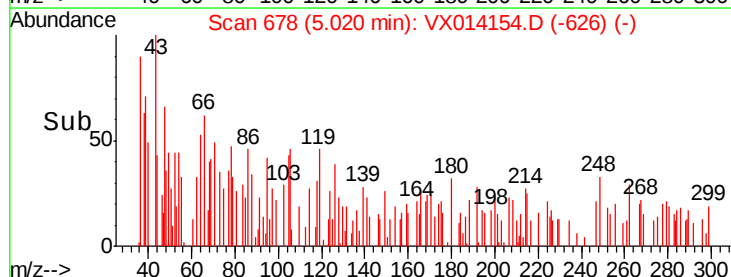
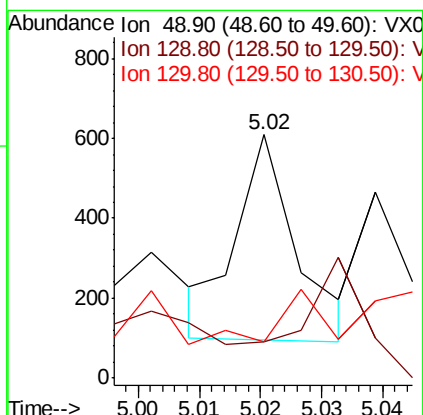
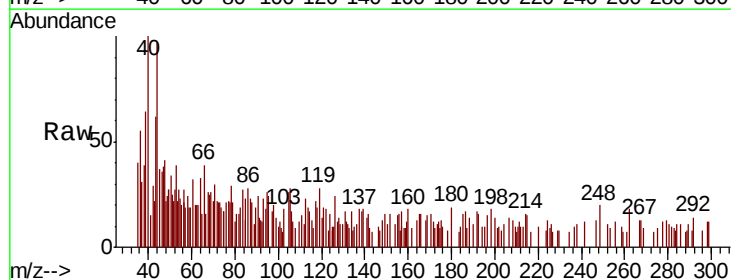
Instrument :
MSVOA_X
ClientSampled :

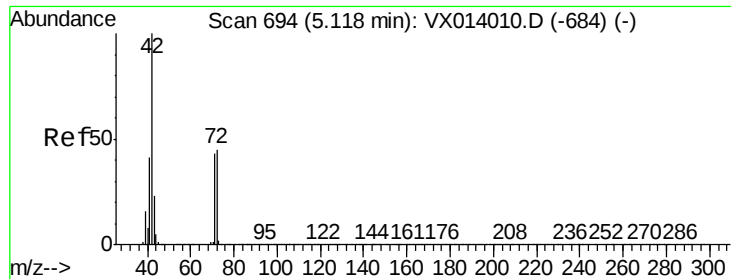
Tot Ion: 84 Resp: 1330
Ion Ratio Lower Upper
84 100
49 69.7 95.8 143.6#
51 113.3 29.8 44.8#
86 37.2 50.8 76.2#



#28
Bromochloromethane
Concen: 0.537 ug/l
RT: 5.02 min Scan# 678
Delta R.T. 0.02 min
Lab File: VX014154.D
Acq: 20 Dec 2019 05:39

Tgt Ion: 49 Resp: 346
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 0.0 64.6 97.0#





#29

Tetrahydrofuran

Concen: 0.548 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Instrument :

MSVOA_X

ClientSampled :

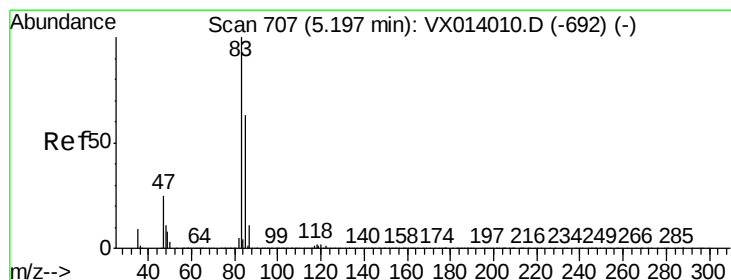
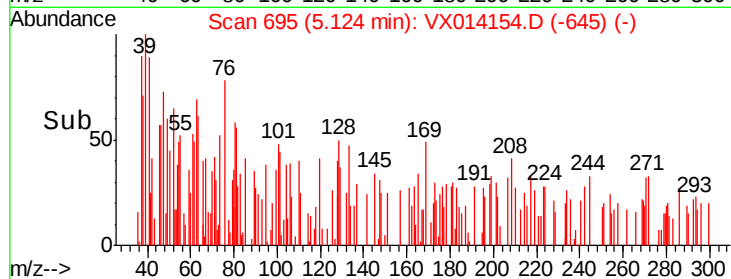
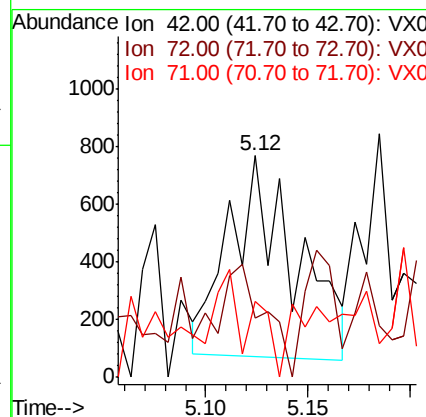
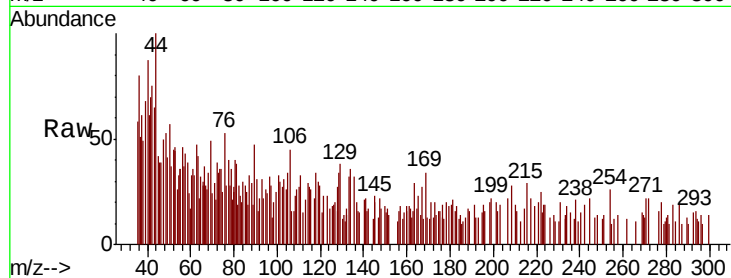
Tot Ion: 42 Resp: 1555

Ion Ratio Lower Upper

42 100

72 32.3 35.8 53.8#

71 29.3 33.6 50.4#



#30

Chloroform

Concen: 0.479 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX014154.D

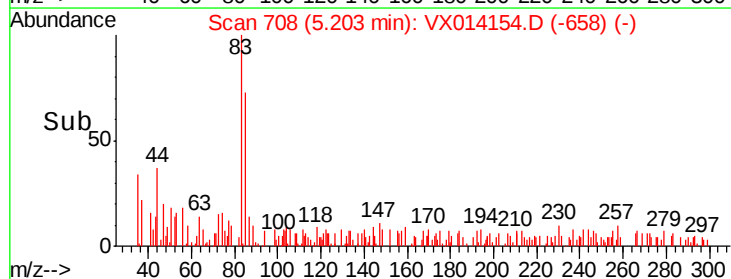
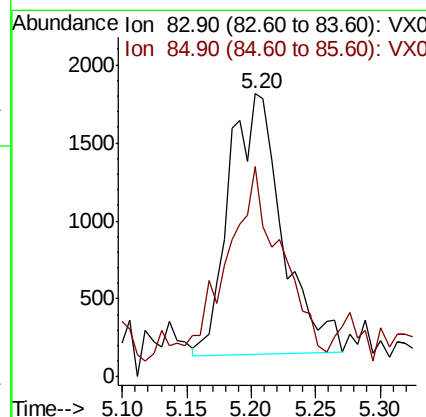
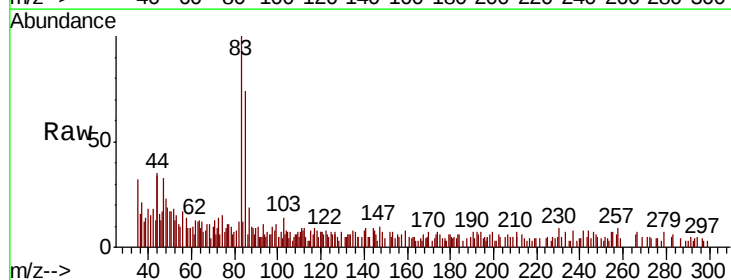
Acq: 20 Dec 2019 05:39

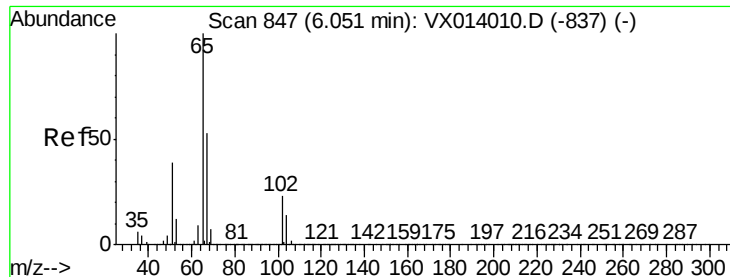
Tgt Ion: 83 Resp: 4832

Ion Ratio Lower Upper

83 100

85 65.0 50.8 76.2





#33

1,2-Dichloroethane-d4

Concen: 48.384 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Instrument :

MSVOA_X

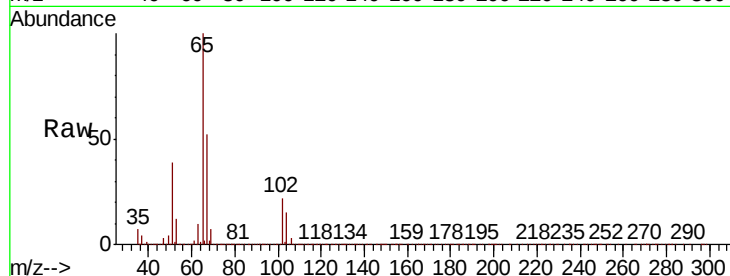
ClientSampled :

Tot Ion: 65 Resp: 306675

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

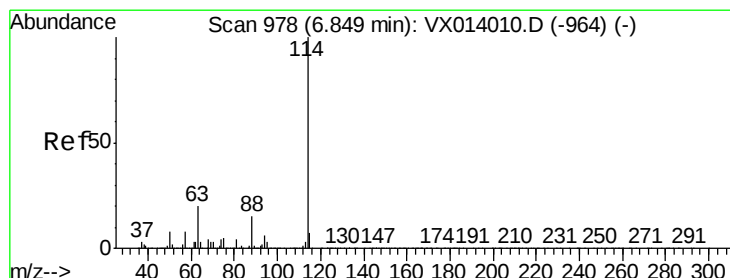
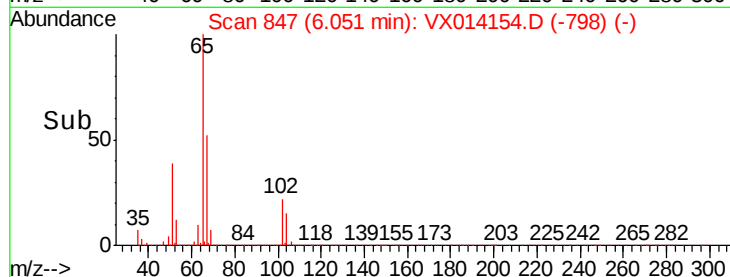
6.05

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

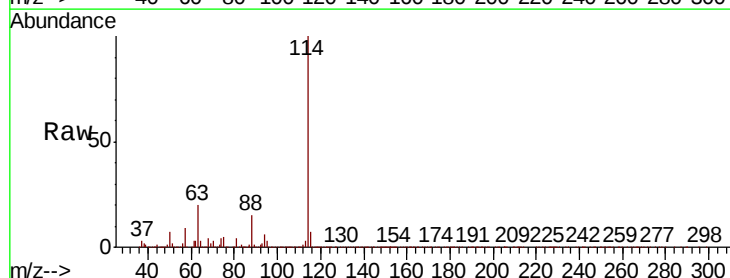
Tgt Ion: 114 Resp: 857577

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.0 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

500000

400000

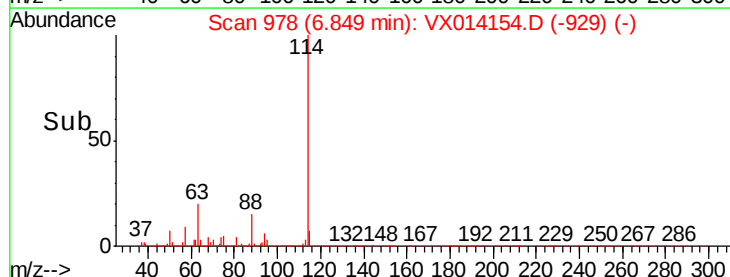
300000

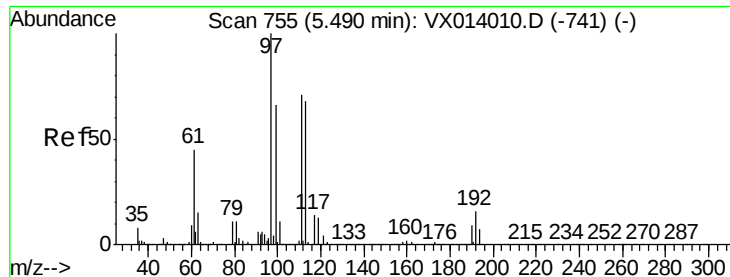
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.110 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Instrument :
MSVOA_X
ClientSampleId :

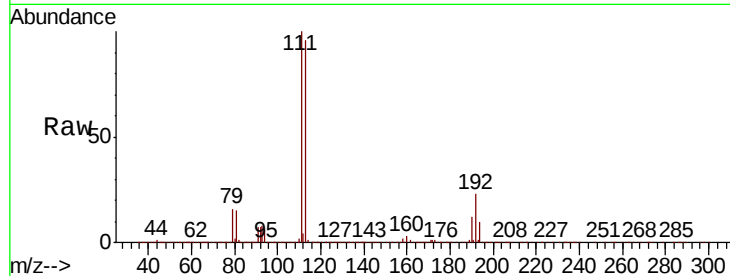
Tot Ion:113 Resp: 250801

Ion Ratio Lower Upper

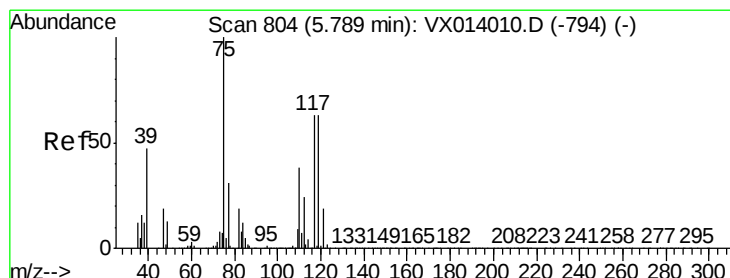
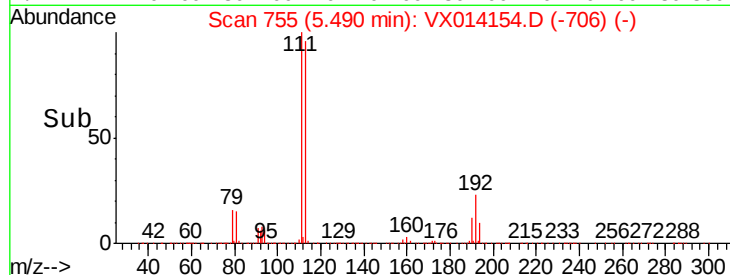
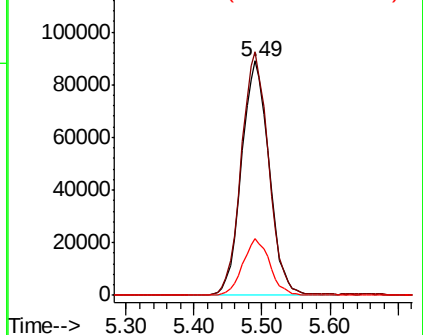
113 100

111 102.6 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: 4.750 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

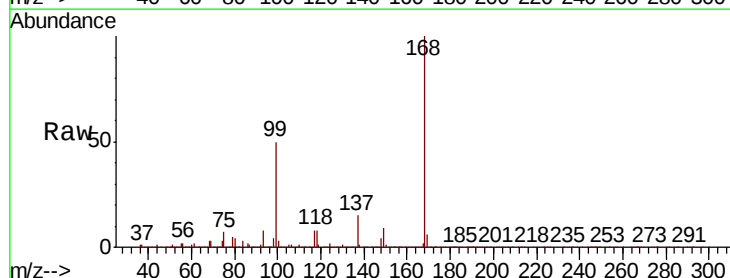
Tgt Ion: 75 Resp: 37379

Ion Ratio Lower Upper

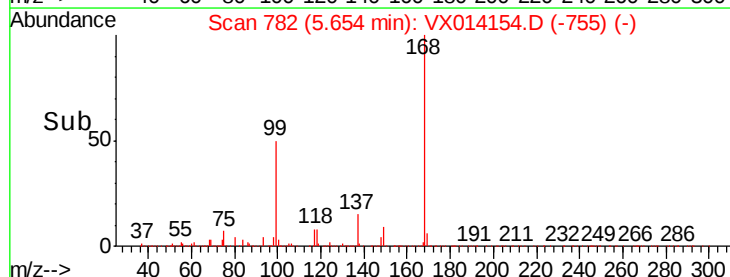
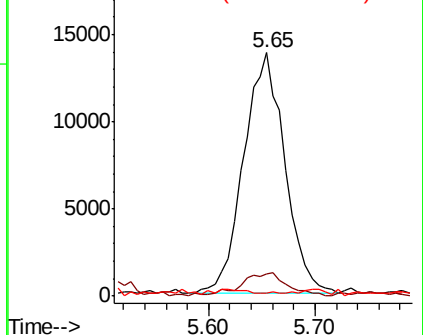
75 100

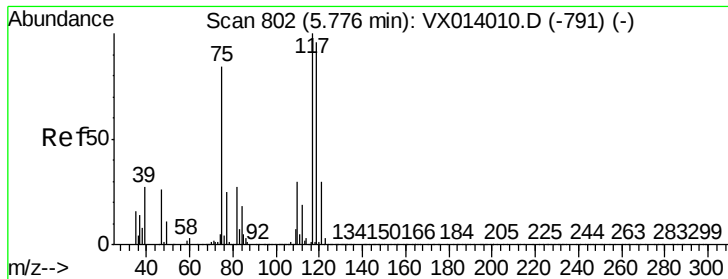
110 10.9 18.3 54.9#

77 0.0 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



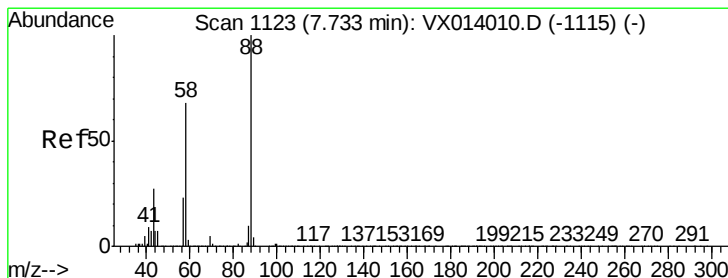
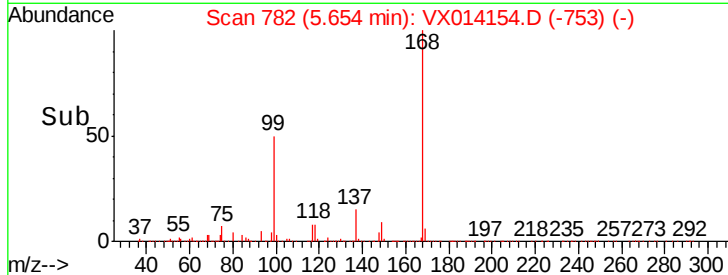
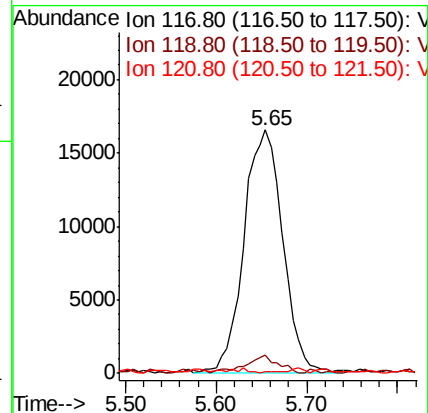
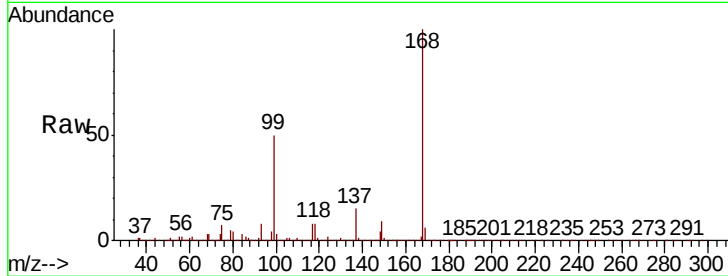


#38

Carbon Tetrachloride
 Concen: 6.781 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014154.D
 Acq: 20 Dec 2019 05:39

Instrument :
 MSVOA_X
 ClientSampleId :

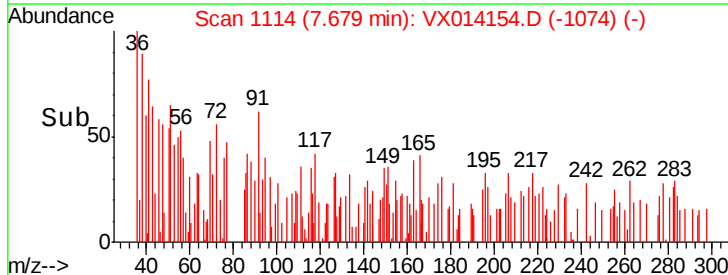
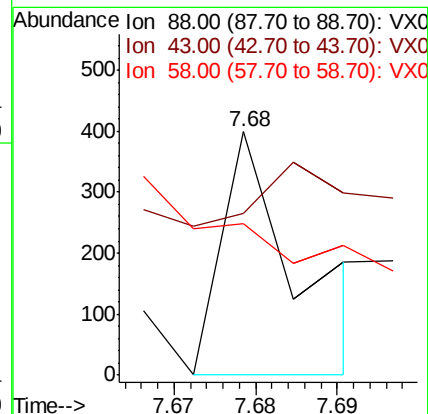
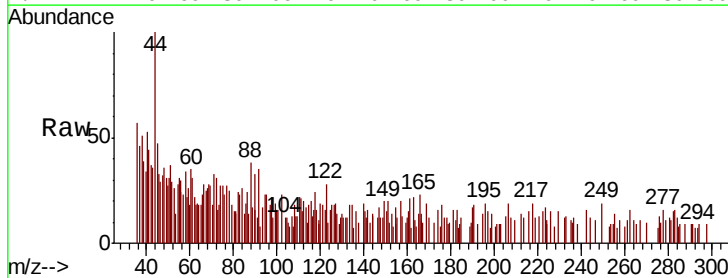
Tot Ion	Ratio	Lower	Upper
117	100		
119	7.6	76.2	114.4#
121	0.0	23.6	35.4#

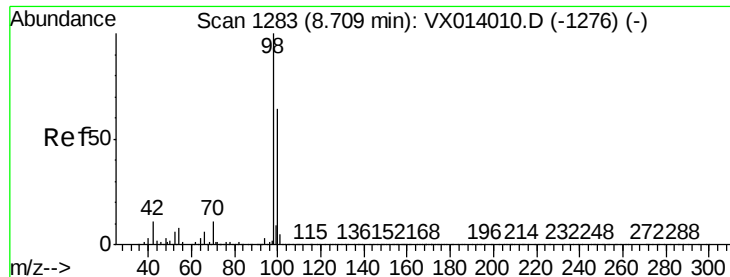


#49

1,4-Dioxane
 Concen: 1.807 ug/l
 RT: 7.68 min Scan# 1114
 Delta R.T. -0.05 min
 Lab File: VX014154.D
 Acq: 20 Dec 2019 05:39

Tgt Ion	Ratio	Lower	Upper
88	100		
43	320.1	26.5	39.7#
58	195.0	56.8	85.2#





#50

Toluene-d8

Concen: 49.287 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Instrument :

MSVOA_X

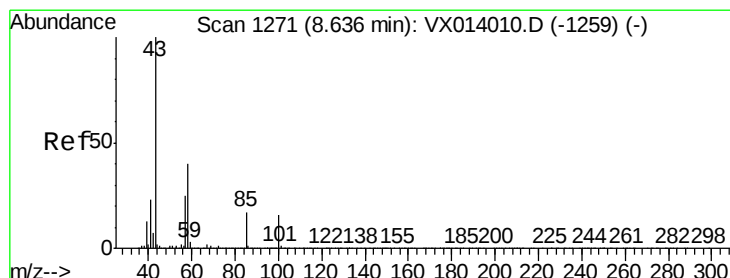
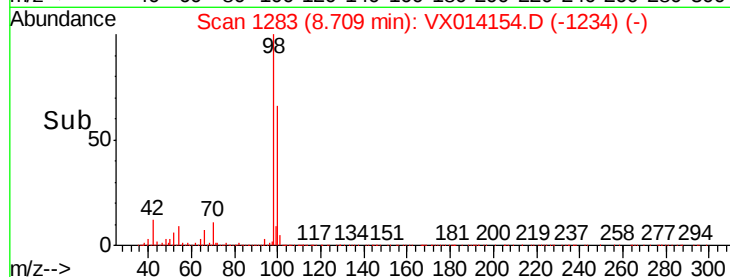
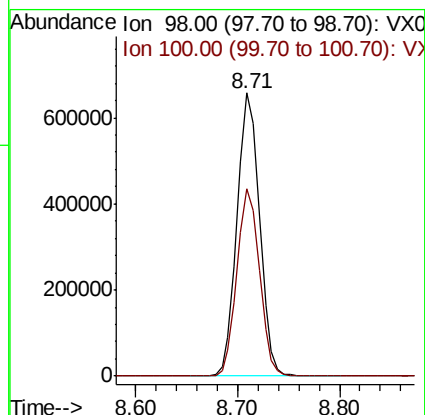
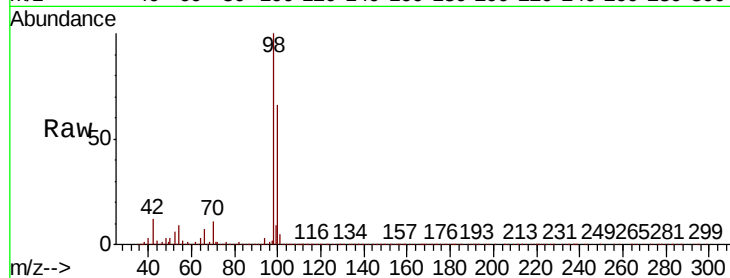
ClientSampleId :

Tot Ion: 98 Resp: 1000336

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.245 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX014154.D

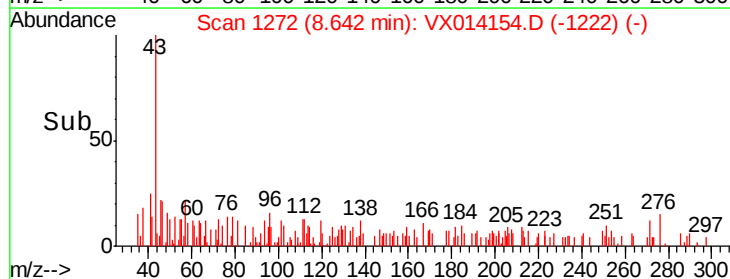
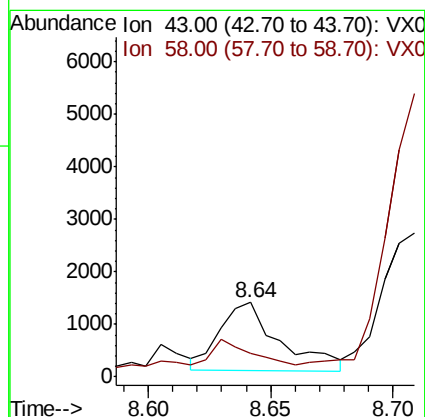
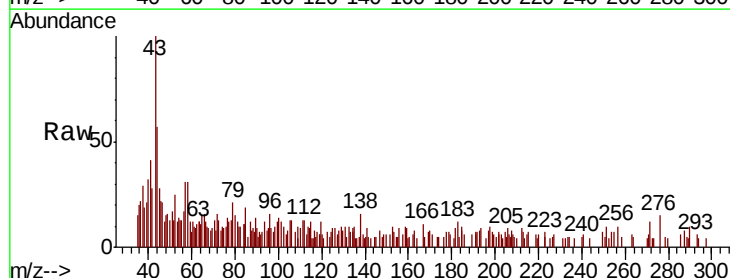
Acq: 20 Dec 2019 05:39

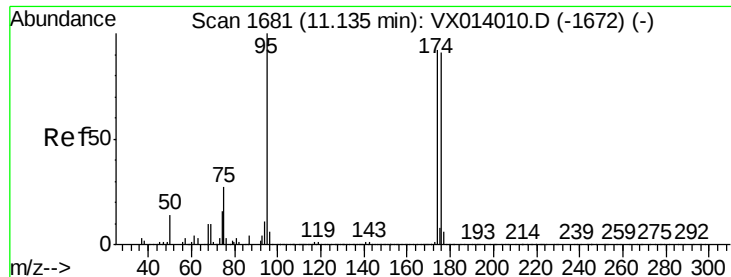
Tgt Ion: 43 Resp: 2217

Ion Ratio Lower Upper

43 100

58 59.6 32.2 48.2#





#62

4-Bromofluorobenzene

Concen: 45.362 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Instrument :

MSVOA_X

ClientSampleId :

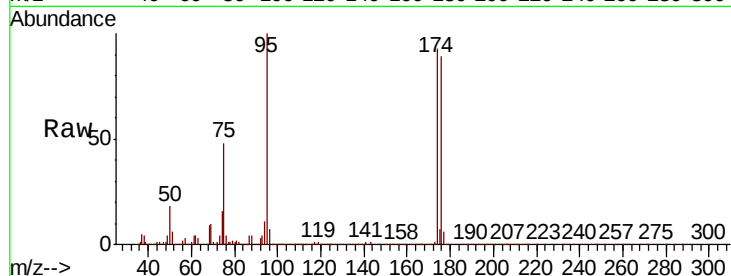
Tot Ion: 95 Resp: 336541

Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.8

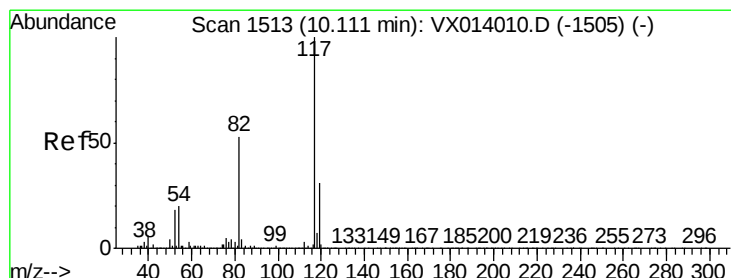
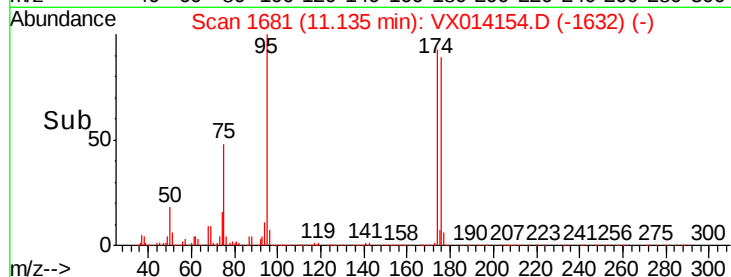
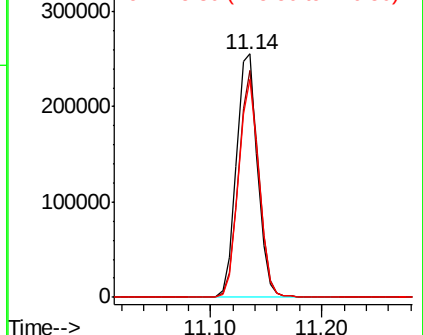
176 86.5 0.0 173.0



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: VX014154.D

Acq: 20 Dec 2019 05:39

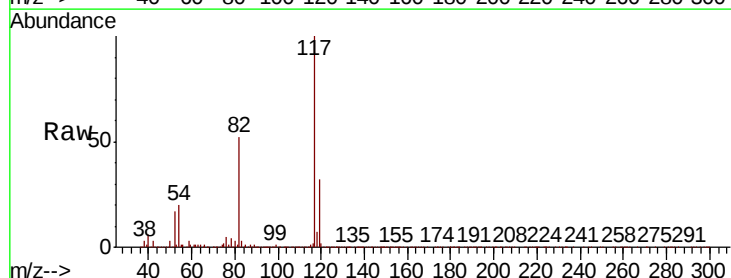
Tgt Ion: 117 Resp: 758188

Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.4

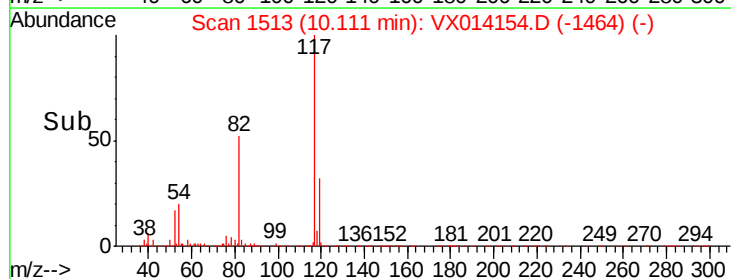
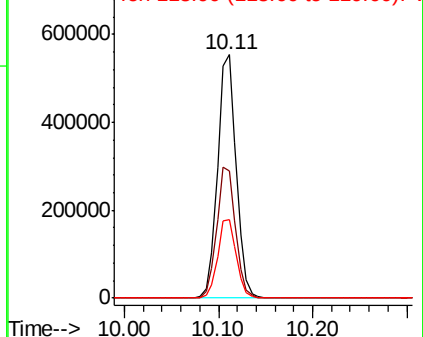
119 32.4 25.1 37.7

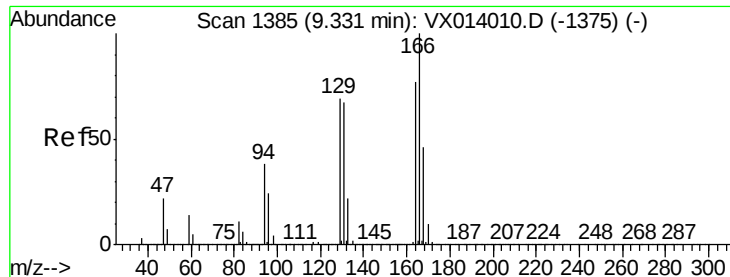


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.334 ug/l

RT: 9.33 min Scan# 1385

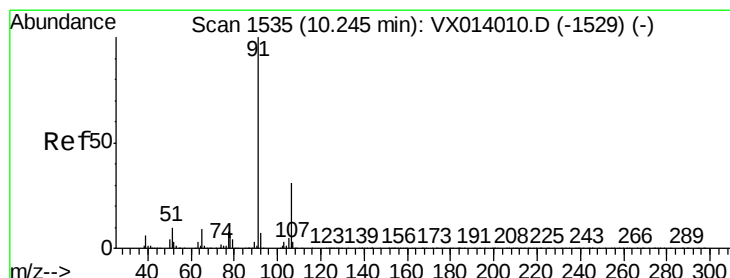
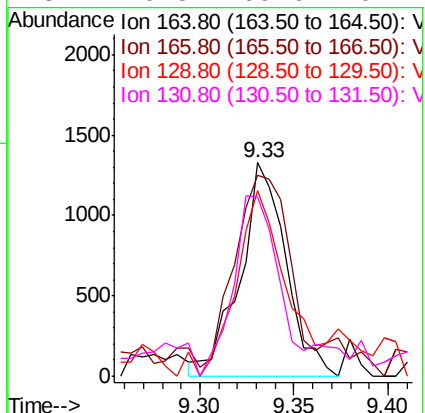
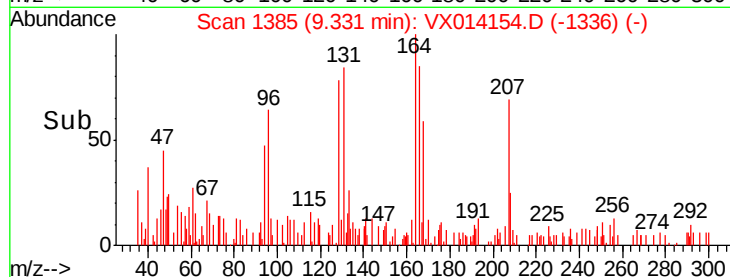
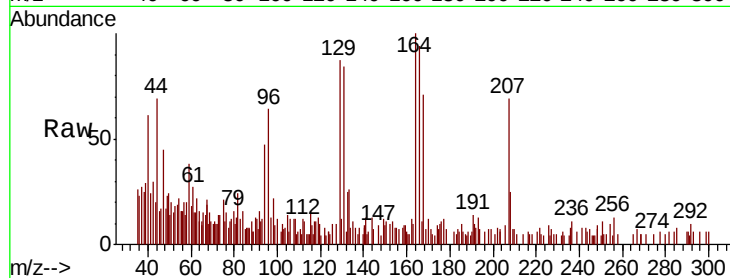
Delta R.T. 0.00 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164	Resp:	2238
Ion	Ratio	Lower Upper
164	100	
166	87.4	104.0 156.0#
129	81.9	72.2 108.4
131	76.8	69.6 104.4



#67

Ethyl Benzene

Concen: 0.402 ug/l

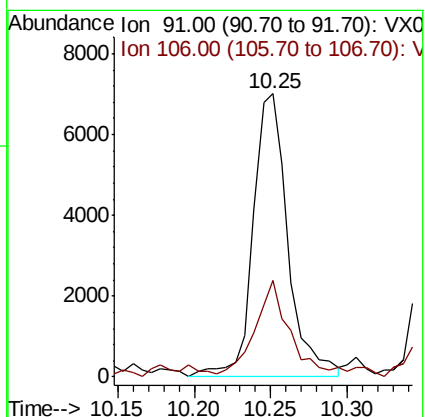
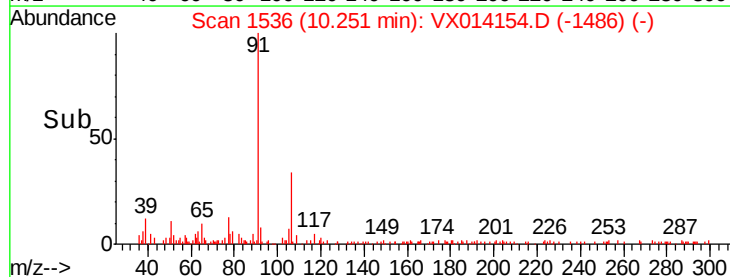
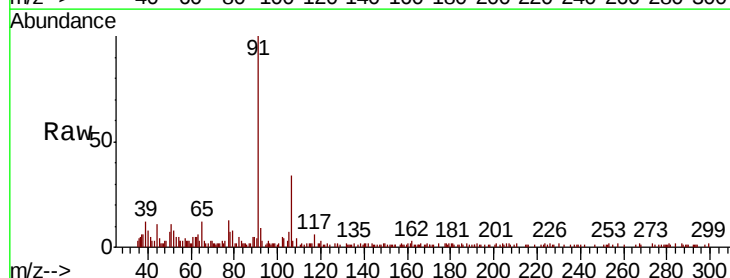
RT: 10.25 min Scan# 1536

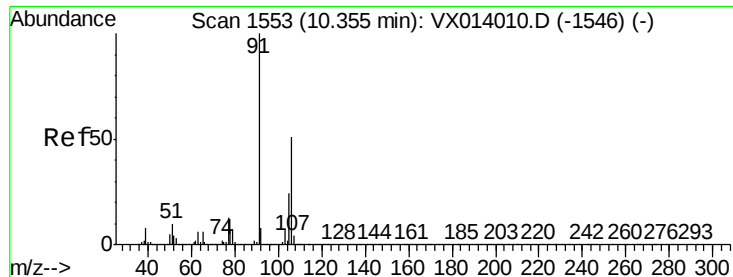
Delta R.T. 0.01 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Tgt Ion: 91	Resp:	11146
Ion	Ratio	Lower Upper
91	100	
106	31.2	25.0 37.6





#68

m/p-Xvlenes

Concen: 0.485 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Instrument :

MSVOA_X

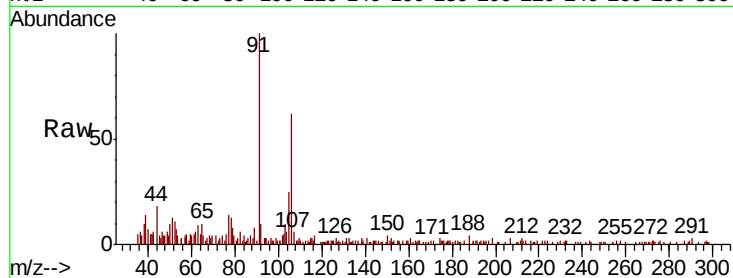
ClientSampleId :

Tot Ion:106 Resp: 5170

Ion Ratio Lower Upper

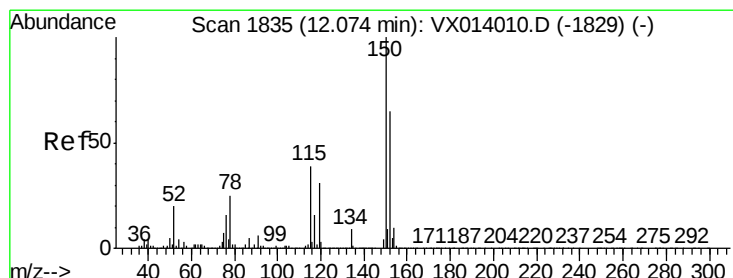
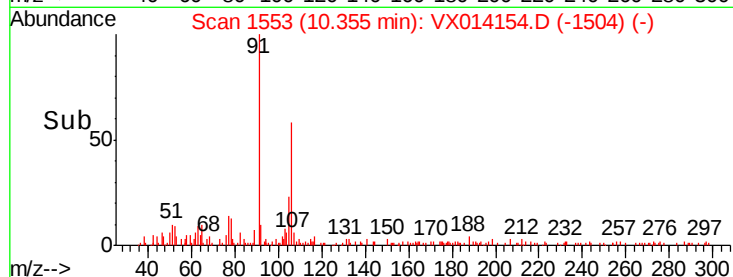
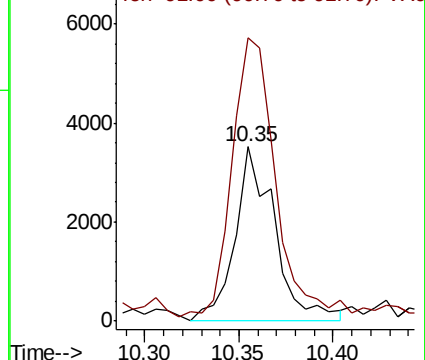
106 100

91 175.8 158.6 238.0



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: VX014154.D

Acq: 20 Dec 2019 05:39

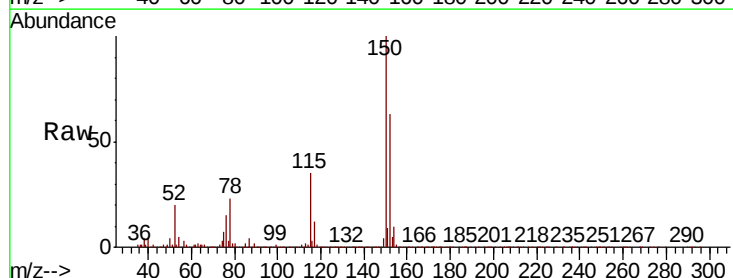
Tgt Ion:152 Resp: 334565

Ion Ratio Lower Upper

152 100

115 55.8 38.3 114.9

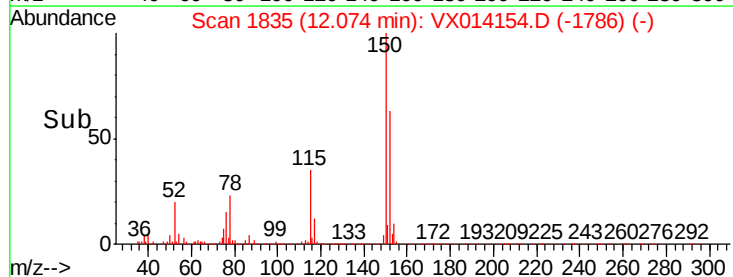
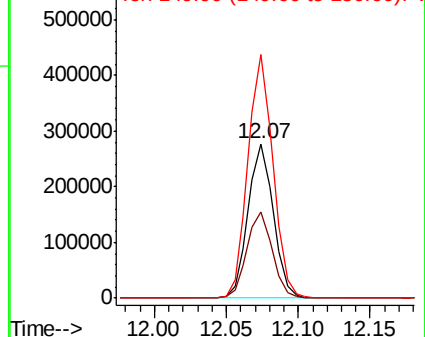
150 157.2 0.0 345.4

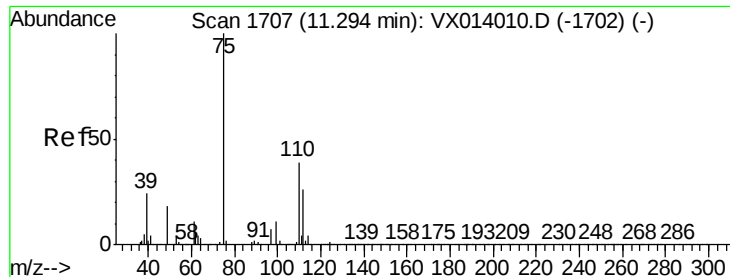


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.445 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Instrument :

MSVOA_X

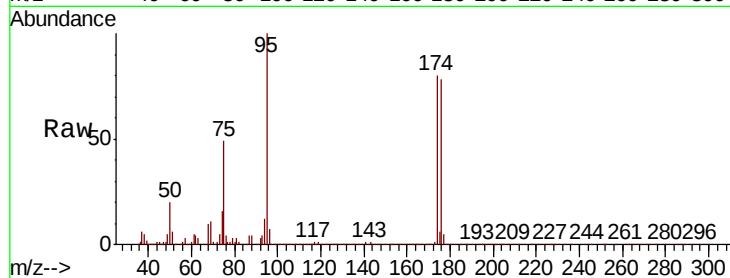
ClientSampleId :

Tot Ion: 75 Resp: 163025

Ion Ratio Lower Upper

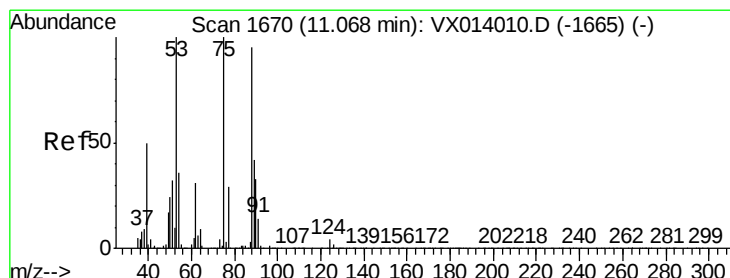
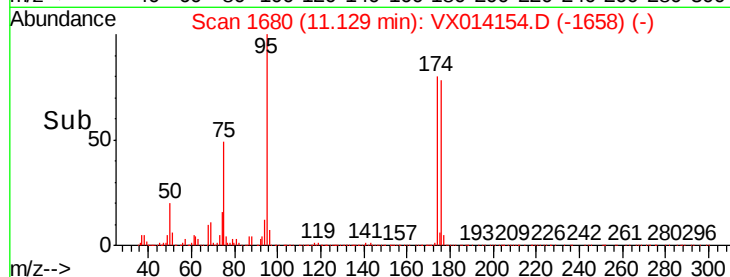
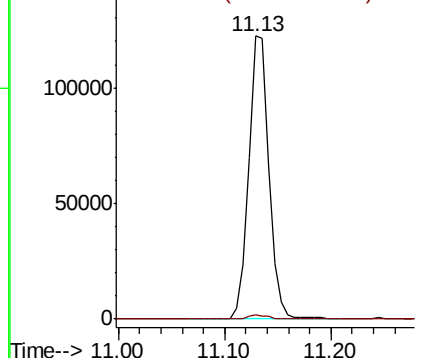
75 100

77 1.5 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: 63.351 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

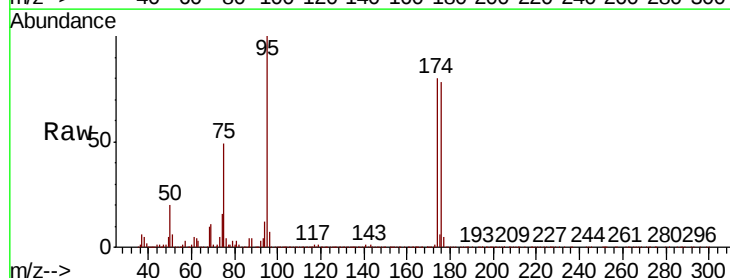
Tgt Ion: 75 Resp: 163025

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

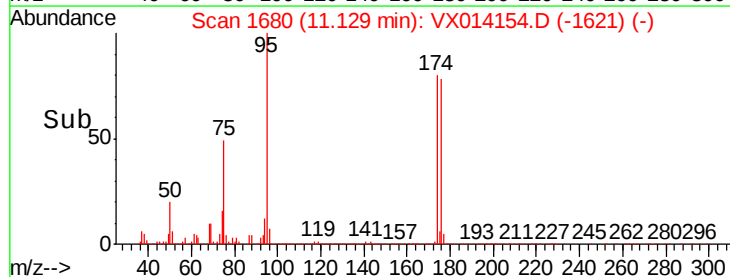
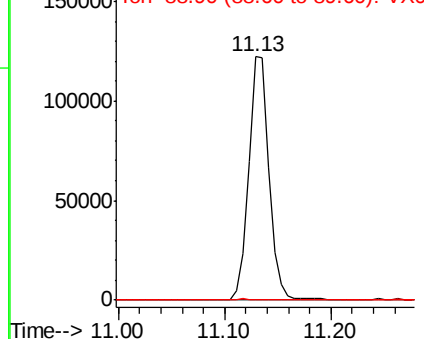
89 0.2 34.6 51.8#

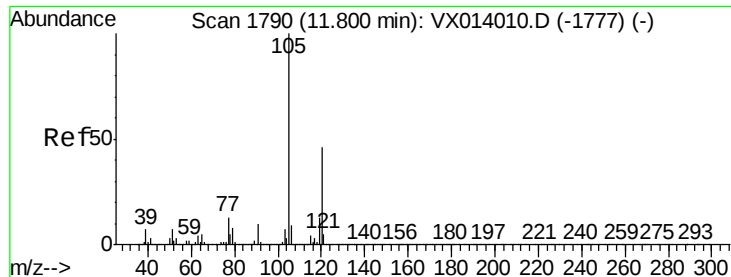


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84

1,2,4-Trimethylbenzene

Concen: 0.577 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Instrument :

MSVOA_X

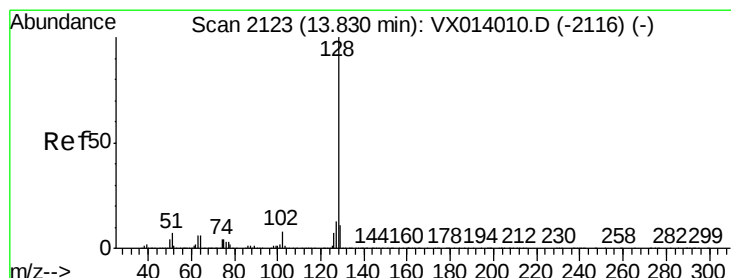
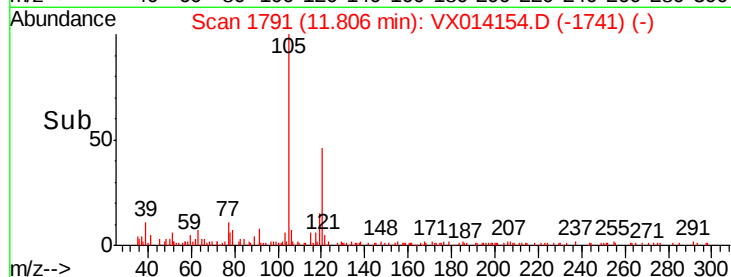
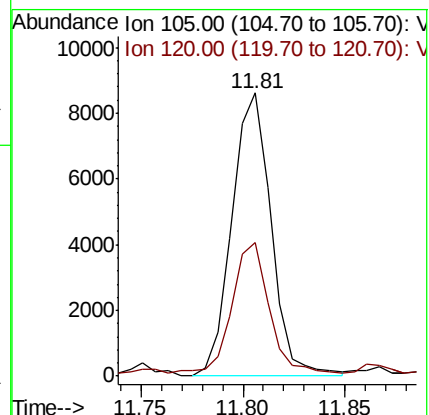
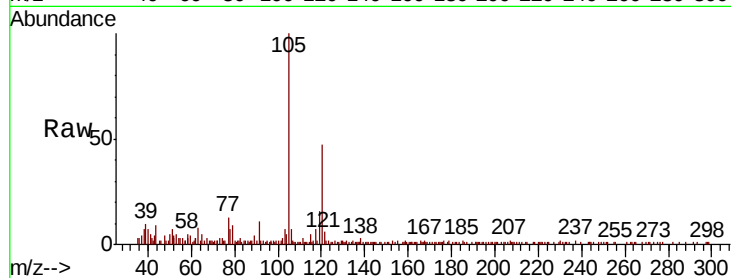
ClientSampleId :

Tot Ion:105 Resp: 11460

Ion Ratio Lower Upper

105 100

120 42.5 23.1 69.2



#95

Naphthalene

Concen: 0.470 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014154.D

Acq: 20 Dec 2019 05:39

Tgt Ion:128 Resp: 10268

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.4

129 16.3 8.7 13.1#

