

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015172.D
 Acq On : 10 Mar 2020 15:42
 Operator : JC/SP
 Sample : L1842-29DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 07:30:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	346124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	569753	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	559189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	281590	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	215309	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
35) Dibromofluoromethane	5.49	113	178188	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.71	98	703846	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.14	95	254352	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	

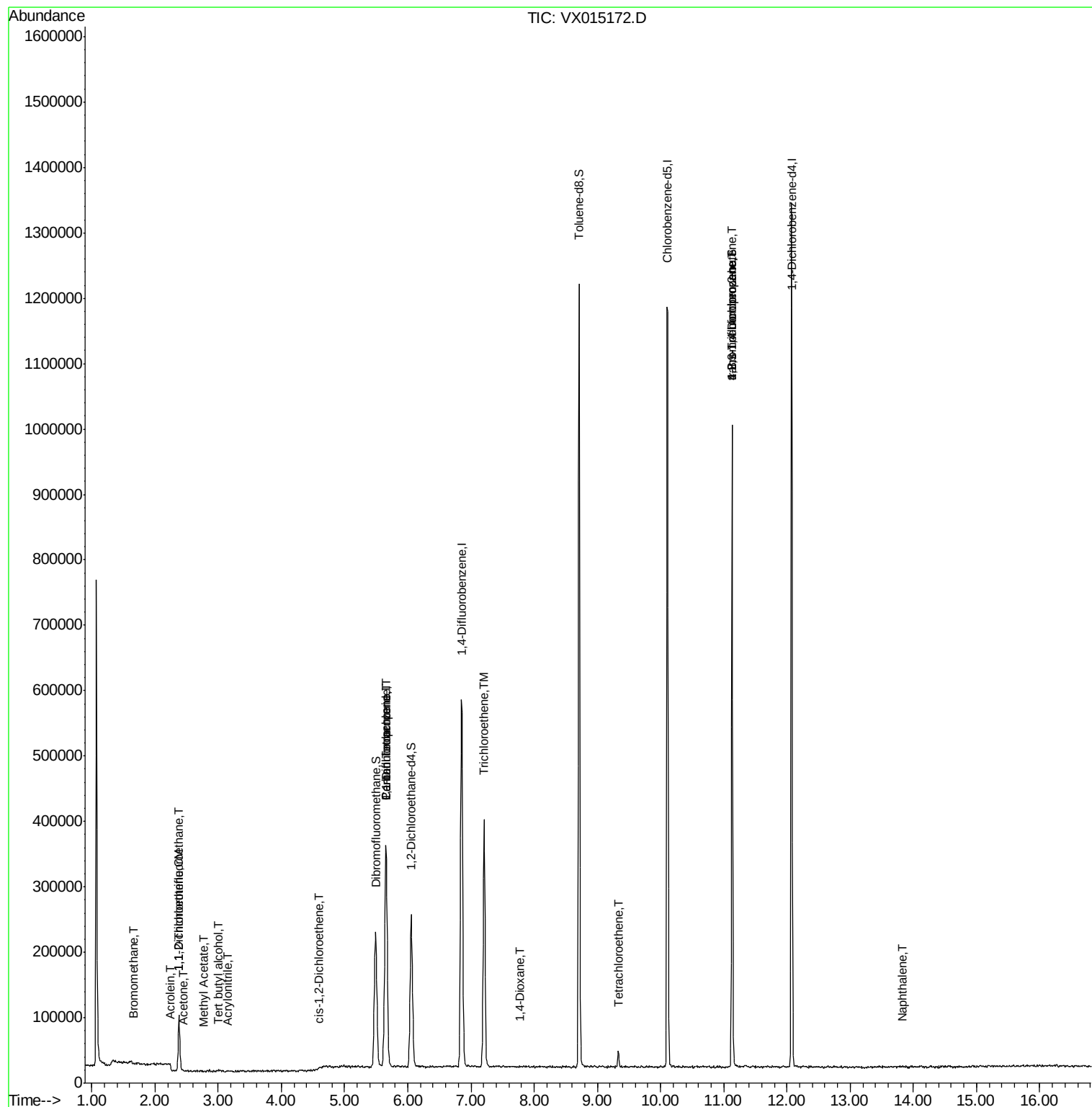
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	672	0.251	ug/l #	41
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34012	10.436	ug/l	97
11) Tert butyl alcohol	3.01	59	1226	1.721	ug/l #	34
12) 1,1-Dichloroethene	2.37	96	775	0.230	ug/l #	42
13) Acrolein	2.24	56	202	0.302	ug/l #	15
15) Acrylonitrile	3.14	53	364	0.205	ug/l #	86
16) Acetone	2.45	43	1535	0.923	ug/l #	66
18) Methyl Acetate	2.77	43	875	0.215	ug/l #	85
27) cis-1,2-Dichloroethene	4.59	96	2159	0.536	ug/l	37
36) 1,1-Dichloropropene	5.65	75	24015	4.559	ug/l #	53
38) Carbon Tetrachloride	5.65	117	31238	6.283	ug/l #	16
44) Trichloroethene	7.21	130	150967	34.689	ug/l	96
49) 1,4-Dioxane	7.76	88	840	8.881	ug/l #	39
64) Tetrachloroethene	9.33	164	5389	1.166	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	127236	22.652	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	127236	64.288	ug/l #	11
95) Naphthalene	13.83	128	705	1.457	ug/l #	55

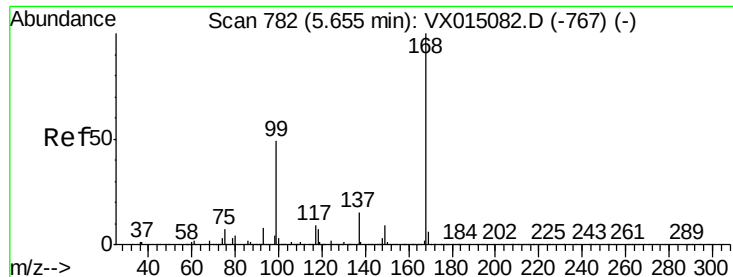
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015172.D

Acq: 10 Mar 2020 15:42

Instrument :

MSVOA_X

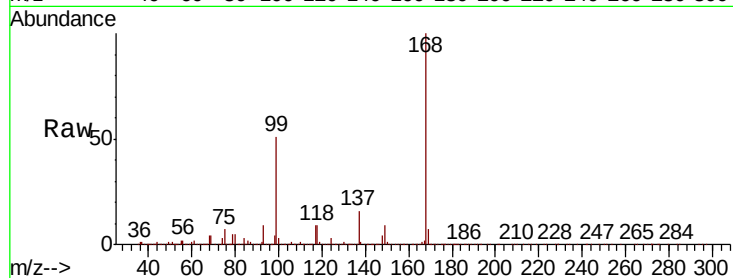
ClientSampled :

Tot Ion:168 Resp: 346124

Ion Ratio Lower Upper

168 100

99 50.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

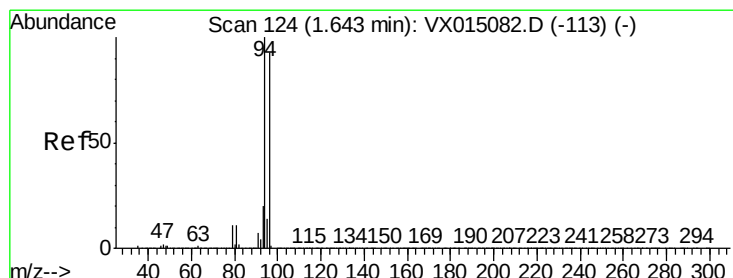
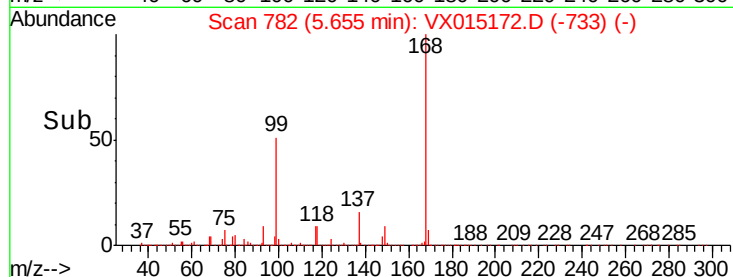
5.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.251 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.02 min

Lab File: VX015172.D

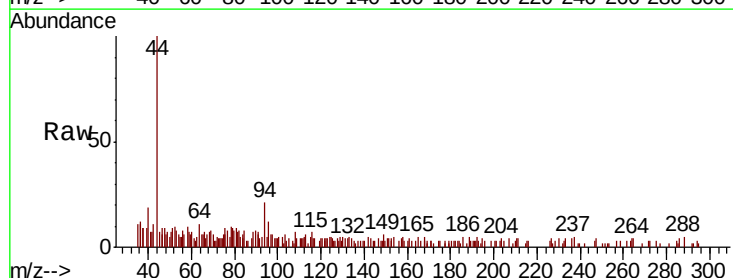
Acq: 10 Mar 2020 15:42

Tgt Ion: 94 Resp: 672

Ion Ratio Lower Upper

94 100

96 36.6 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

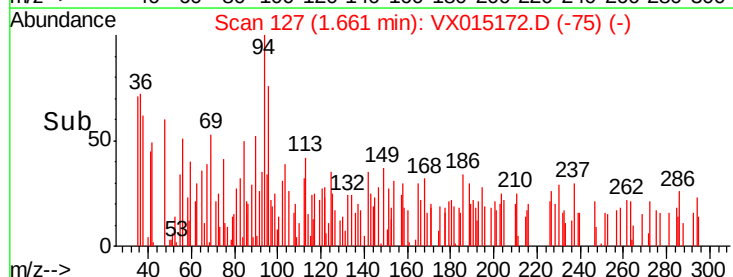
300

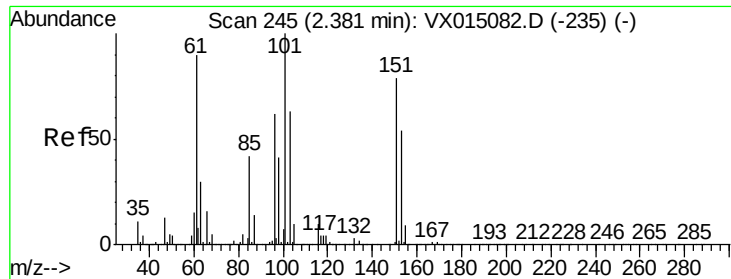
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.436 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015172.D

Acq: 10 Mar 2020 15:42

Instrument :

MSVOA_X

ClientSampled :

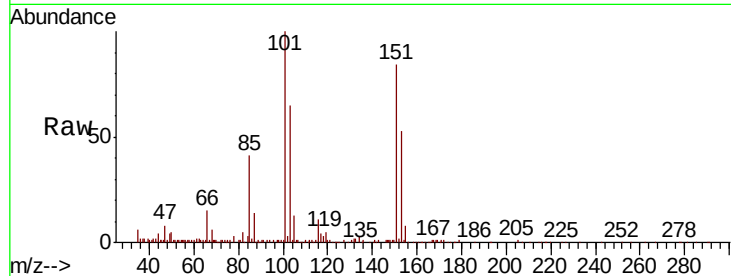
Tot Ion:101 Resp: 34012

Ion Ratio Lower Upper

101 100

85 40.1 33.7 50.5

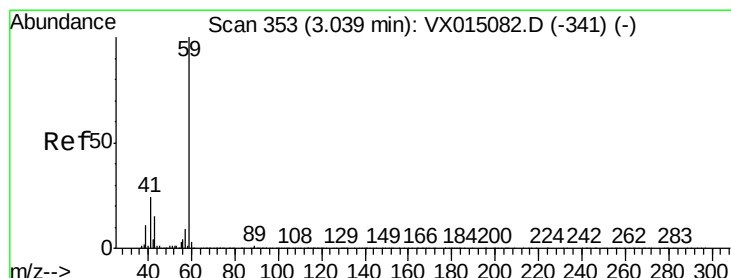
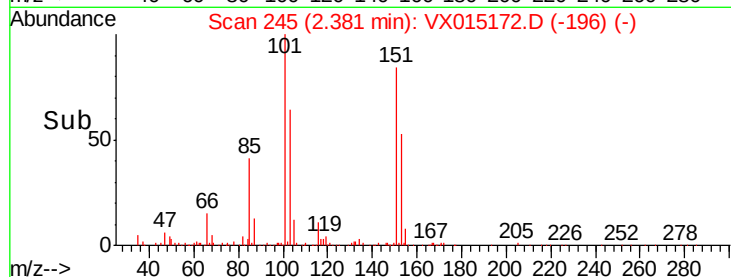
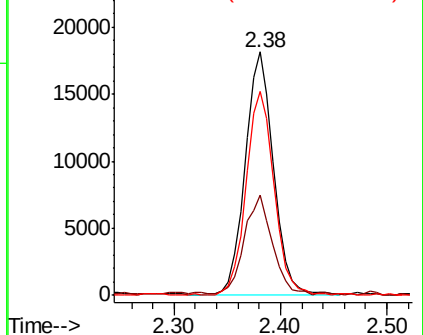
151 83.2 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 1.721 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX015172.D

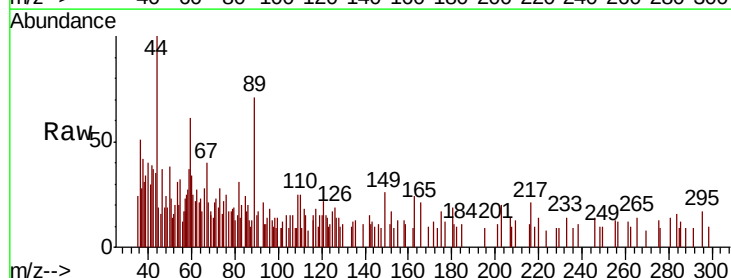
Acq: 10 Mar 2020 15:42

Tgt Ion: 59 Resp: 1226

Ion Ratio Lower Upper

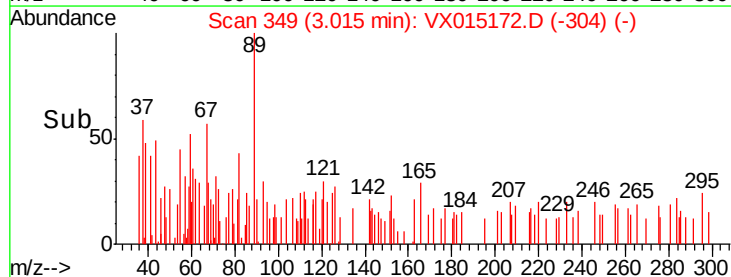
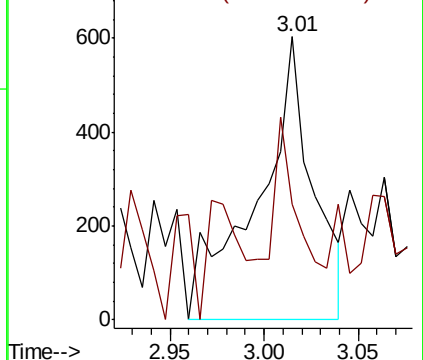
59 100

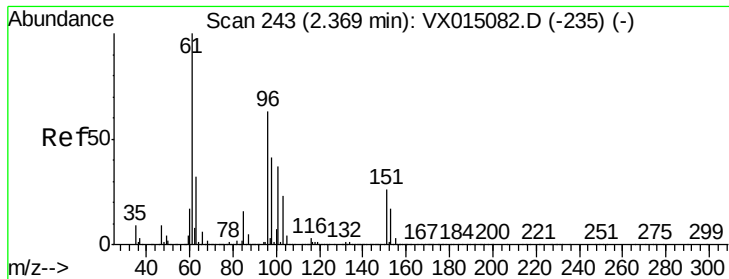
57 35.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.230 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015172.D

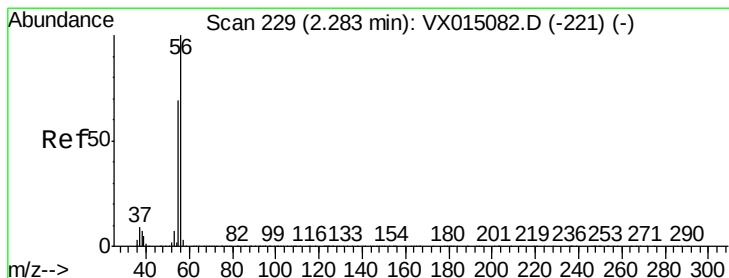
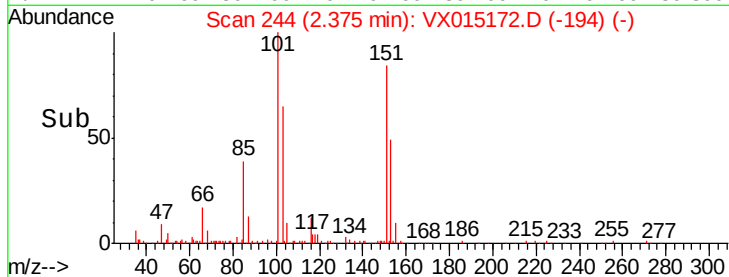
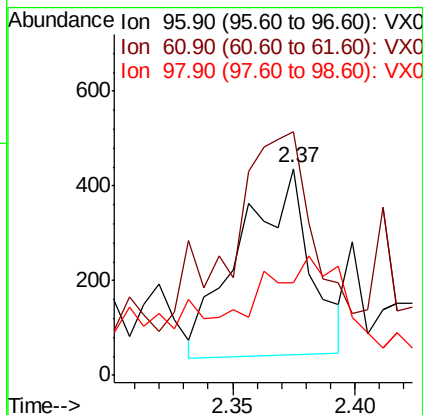
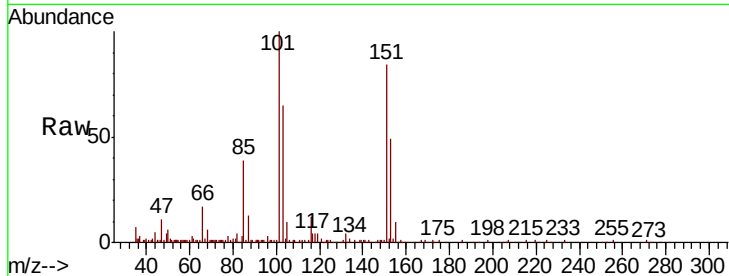
Acq: 10 Mar 2020 15:42

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:	96	Resp:	775
Ion	Ratio	Lower	Upper
96	100		
61	88.1	126.2	189.4#
98	9.4	51.4	77.0#



#13

Acrolein

Concen: 0.302 ug/l

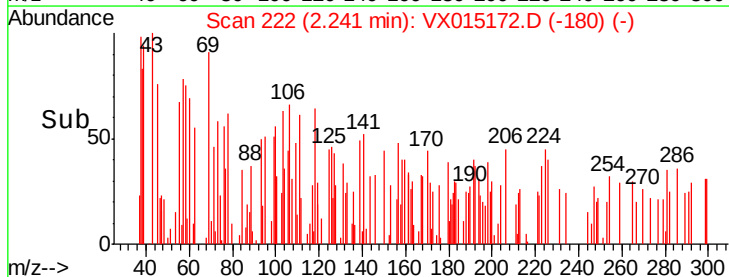
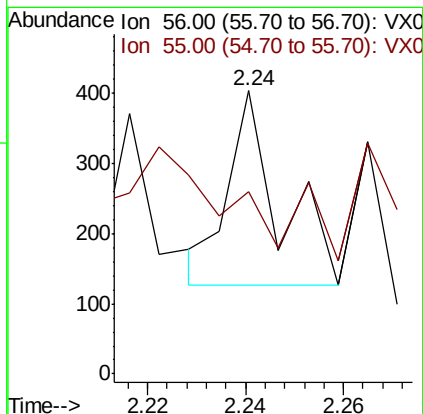
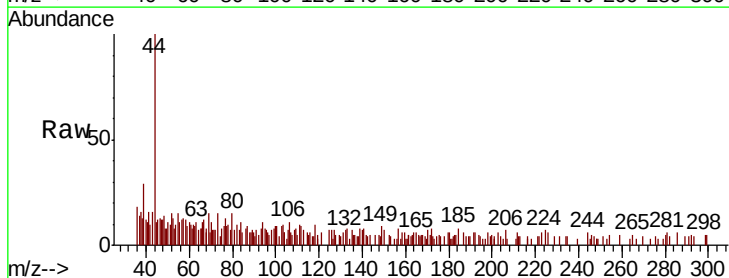
RT: 2.24 min Scan# 222

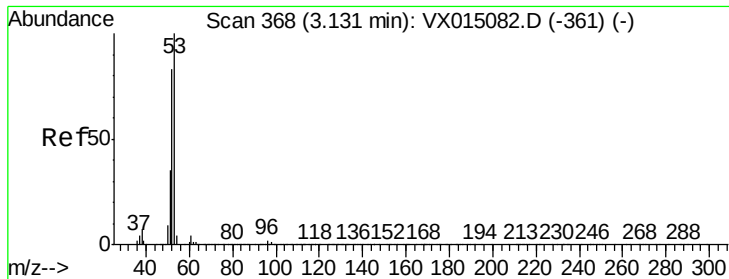
Delta R.T. -0.04 min

Lab File: VX015172.D

Acq: 10 Mar 2020 15:42

Tgt Ion:	56	Resp:	202
Ion	Ratio	Lower	Upper
56	100		
55	0.0	55.4	83.0#





#15

Acrylonitrile

Concen: 0.205 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015172.D

Acq: 10 Mar 2020 15:42

Instrument :
MSVOA_X
ClientSampled :

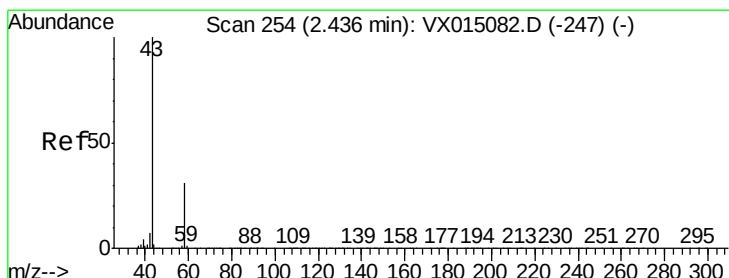
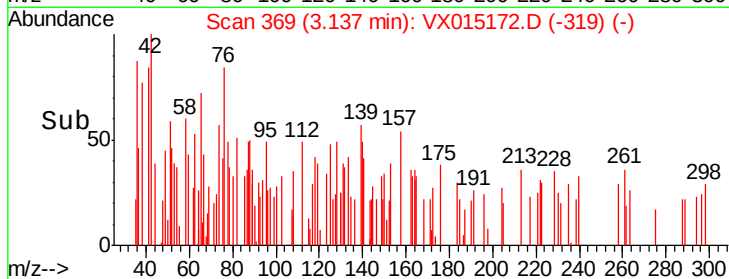
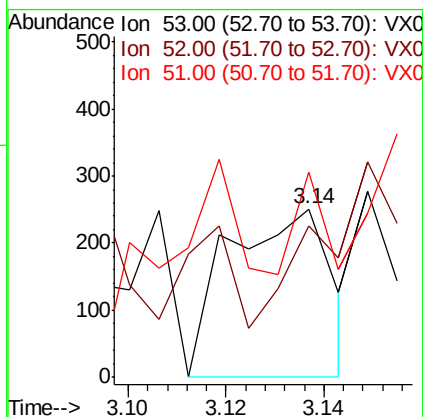
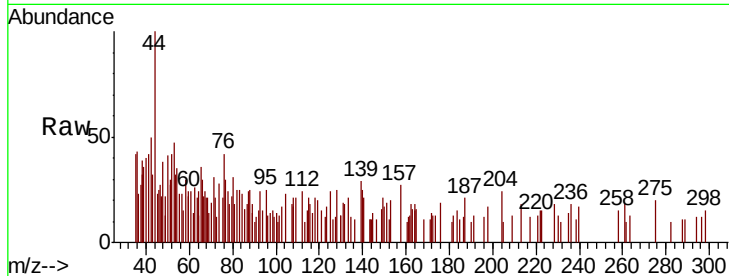
Tot Ion: 53 Resp: 364

Ion Ratio Lower Upper

53 100

52 77.7 66.6 100.0

51 16.8 29.0 43.6#



#16

Acetone

Concen: 0.923 ug/l

RT: 2.45 min Scan# 256

Delta R.T. 0.01 min

Lab File: VX015172.D

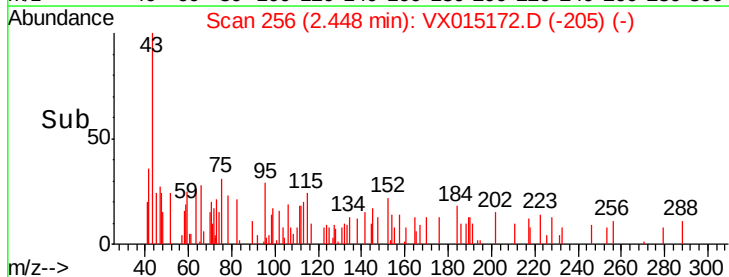
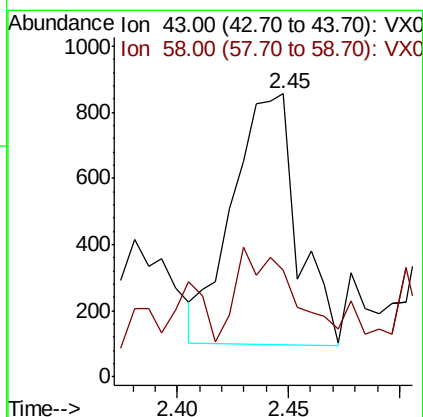
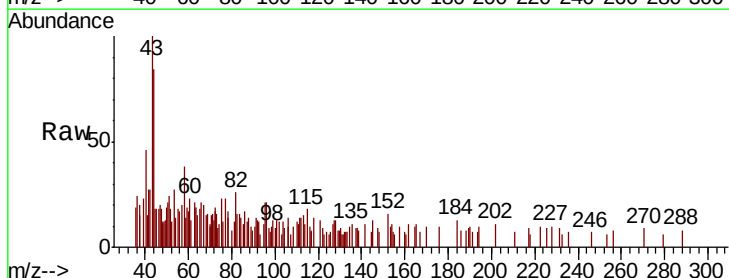
Acq: 10 Mar 2020 15:42

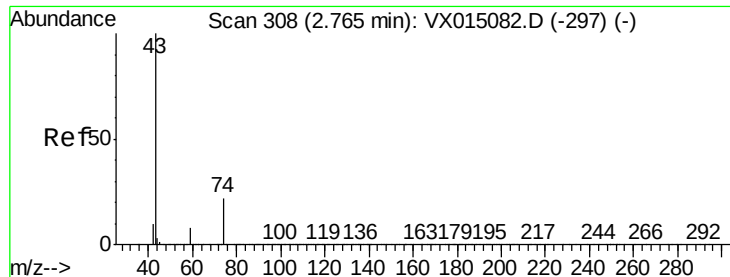
Tgt Ion: 43 Resp: 1535

Ion Ratio Lower Upper

43 100

58 12.3 24.8 37.2#

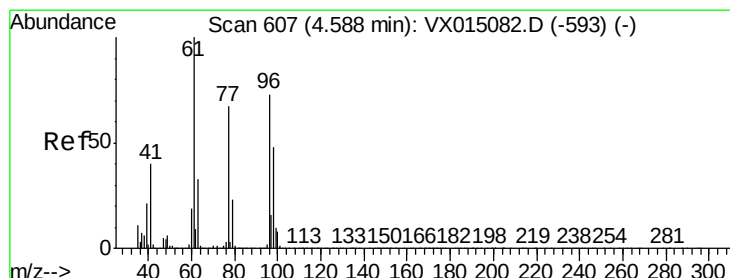
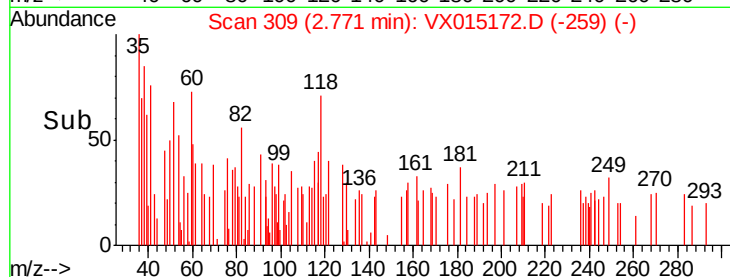
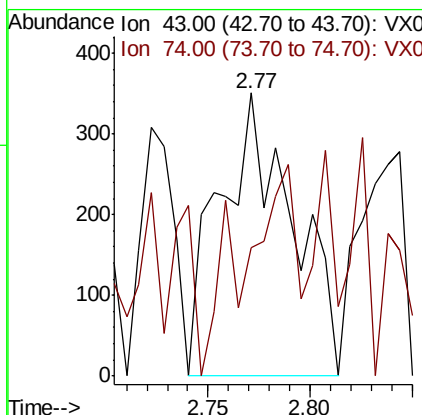
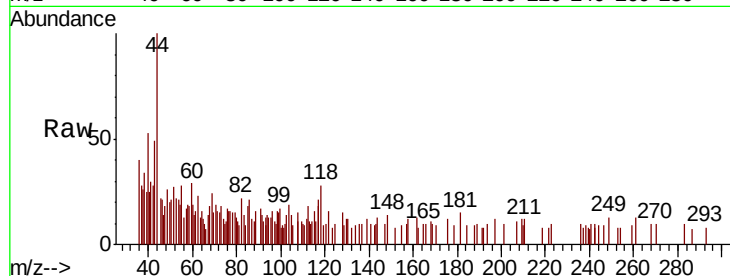




#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 2.77 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX015172.D
Acq: 10 Mar 2020 15:42

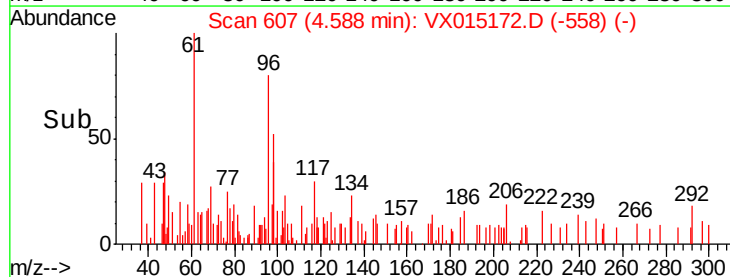
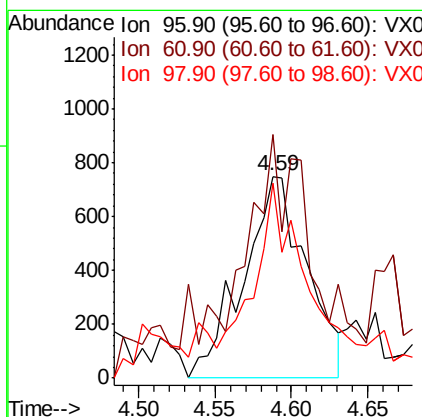
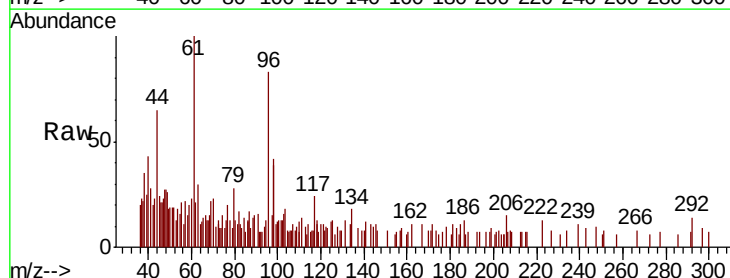
Instrument :
MSVOA_X
ClientSampled :

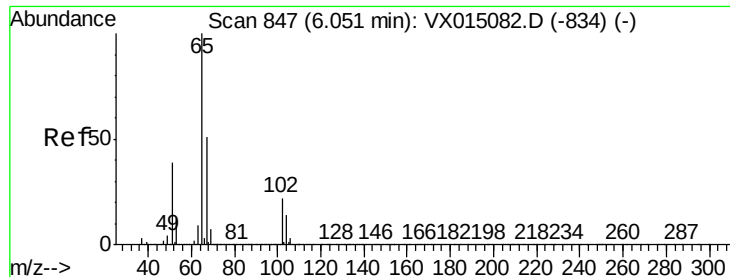
Tot Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
74 16.0 18.8 28.2#



#27
cis-1,2-Dichloroethene
Concen: 0.536 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX015172.D
Acq: 10 Mar 2020 15:42

Tgt Ion: 96 Resp: 2159
Ion Ratio Lower Upper
96 100
61 35.4 0.0 286.8
98 58.5 0.0 128.4

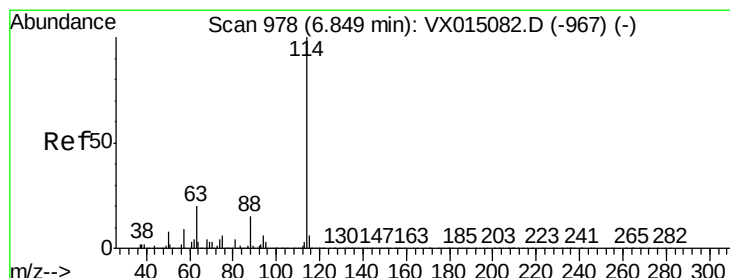
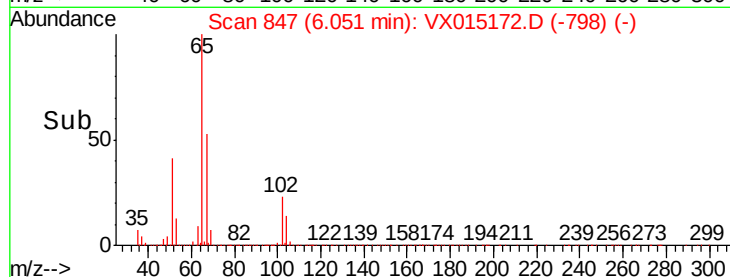
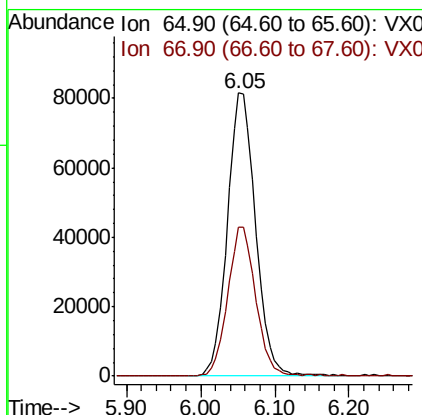
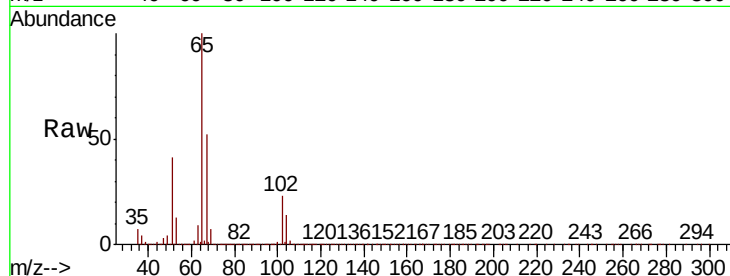




#33
 1,2-Dichloroethane-d4
 Concen: 52.433 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX015172.D
 Acq: 10 Mar 2020 15:42

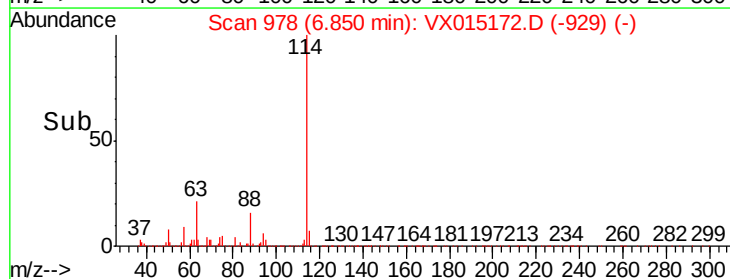
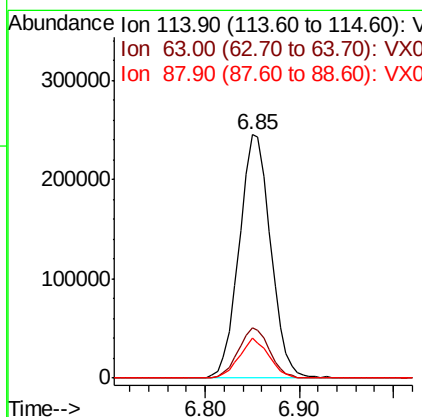
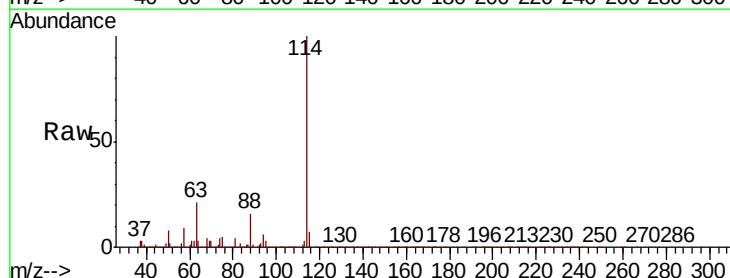
Instrument :
 MSVOA_X
 ClientSampleId :

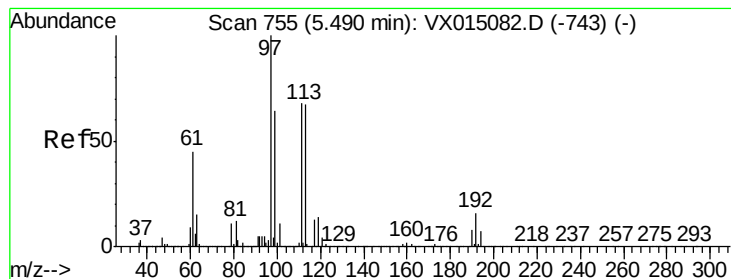
Tot Ion: 65 Resp: 215309
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015172.D
 Acq: 10 Mar 2020 15:42

Tgt Ion: 114 Resp: 569753
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.0
 88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.574 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015172.D

Acq: 10 Mar 2020 15:42

Instrument :
MSVOA_X
ClientSampleId :

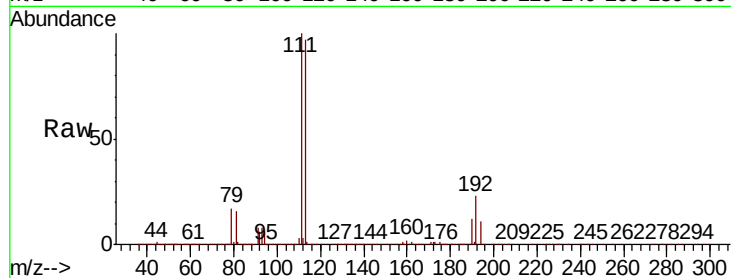
Tot Ion:113 Resp: 178188

Ion Ratio Lower Upper

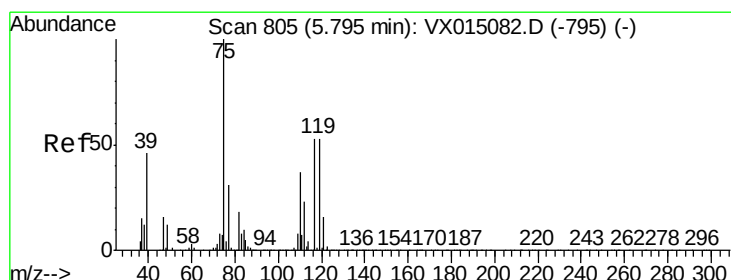
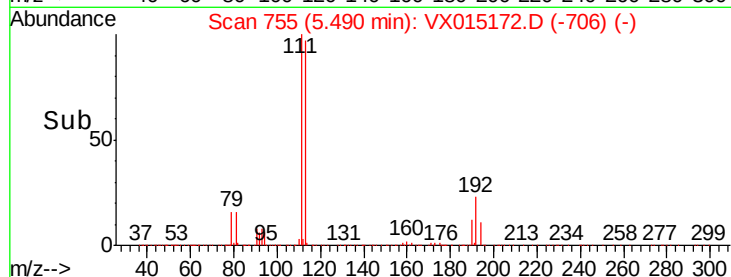
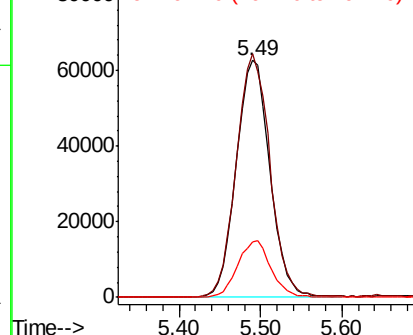
113 100

111 102.7 82.6 123.8

192 23.8 18.6 28.0



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: 4.559 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX015172.D

Acq: 10 Mar 2020 15:42

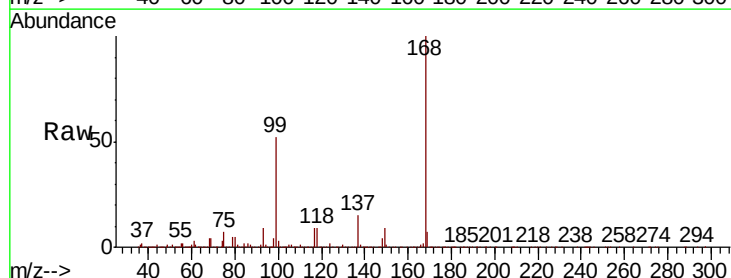
Tgt Ion: 75 Resp: 24015

Ion Ratio Lower Upper

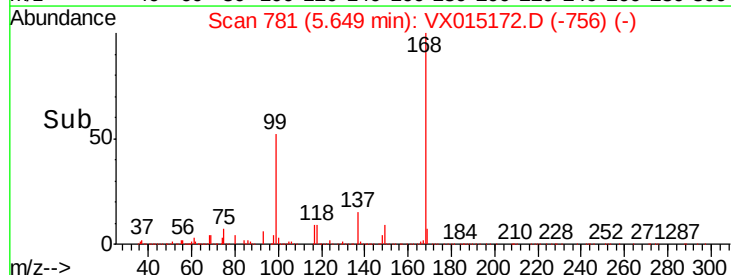
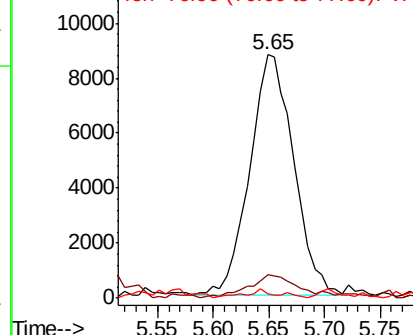
75 100

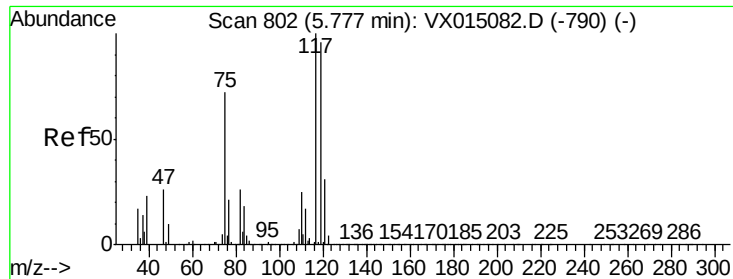
110 11.2 17.9 53.8#

77 2.0 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: 6.283 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015172.D

Acq: 10 Mar 2020 15:42

Instrument :

MSVOA_X

ClientSampled :

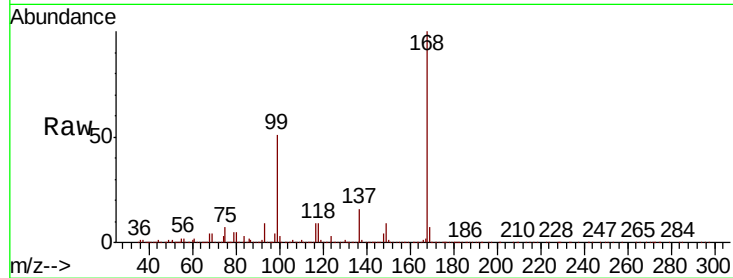
Tot Ion:117 Resp: 31238

Ion Ratio Lower Upper

117 100

119 5.2 76.9 115.3#

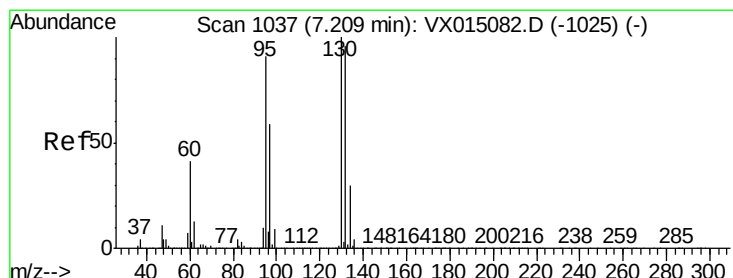
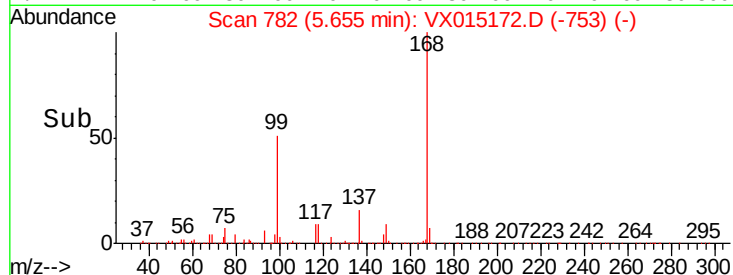
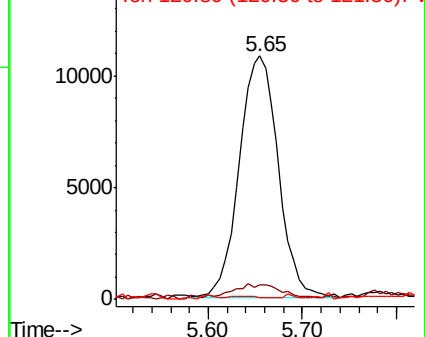
121 0.1 24.6 37.0#



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: 34.689 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015172.D

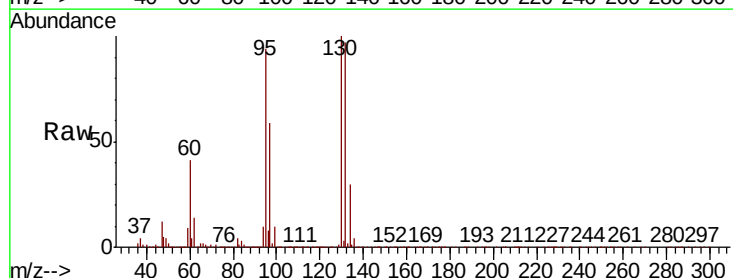
Acq: 10 Mar 2020 15:42

Tgt Ion:130 Resp: 150967

Ion Ratio Lower Upper

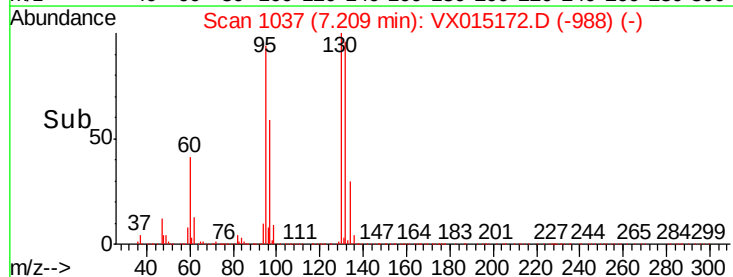
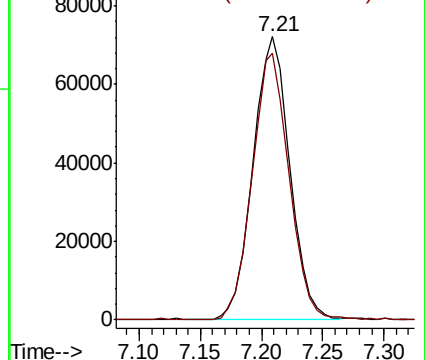
130 100

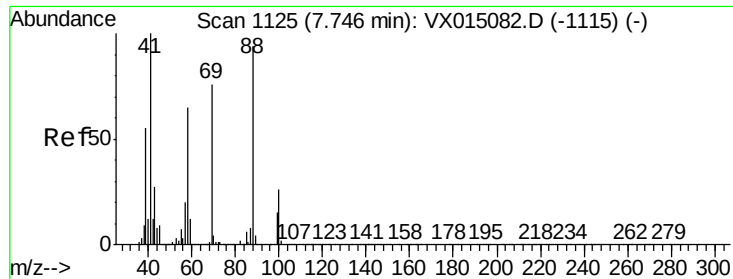
95 94.0 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

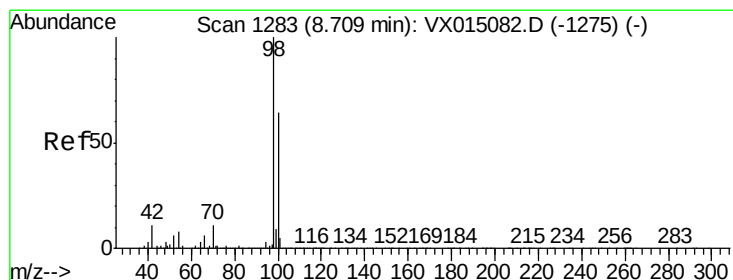
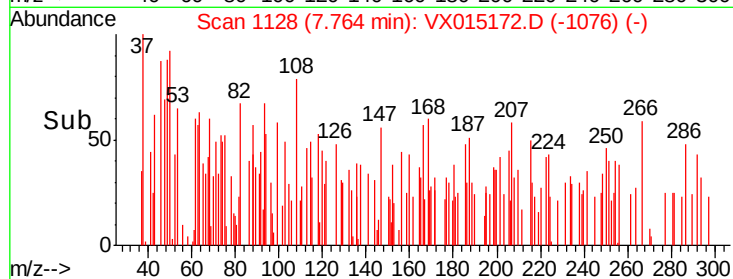
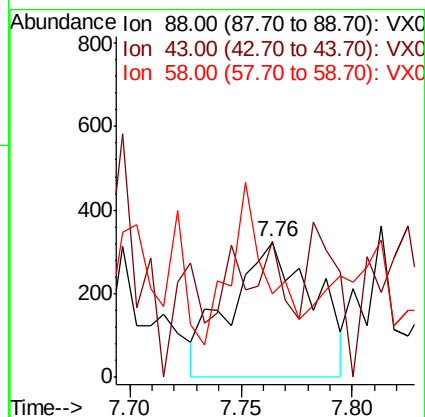
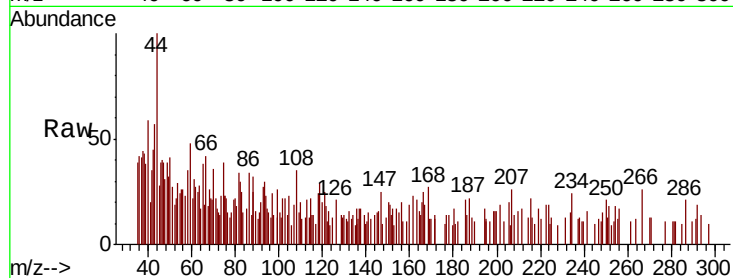




#49
1,4-Dioxane
Concen: 8.881 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VX015172.D
Acq: 10 Mar 2020 15:42

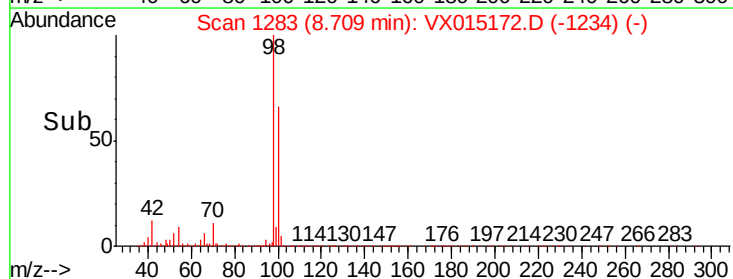
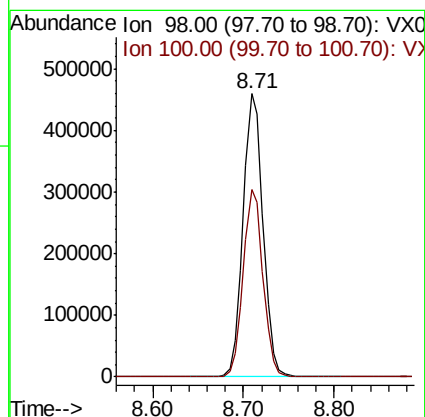
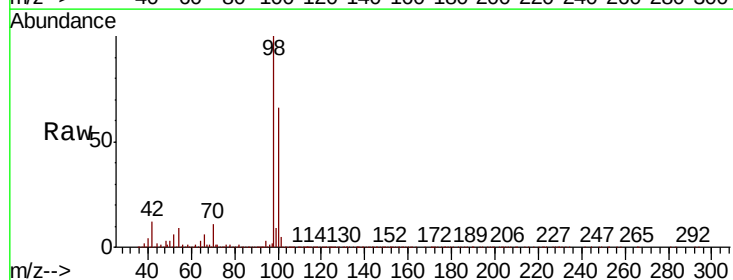
Instrument :
MSVOA_X
ClientSampled :

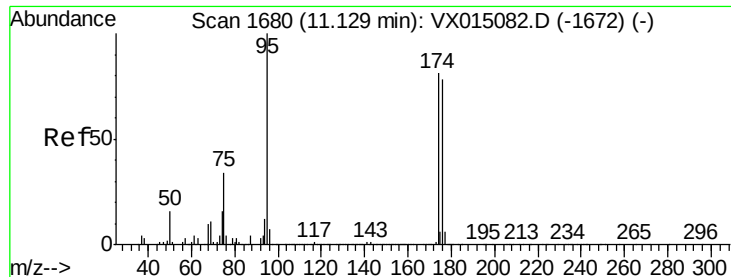
Tot Ion: 88 Resp: 840
Ion Ratio Lower Upper
88 100
43 40.5 27.0 40.4#
58 0.0 55.6 83.4#



#50
Toluene-d8
Concen: 51.479 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015172.D
Acq: 10 Mar 2020 15:42

Tgt Ion: 98 Resp: 703846
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

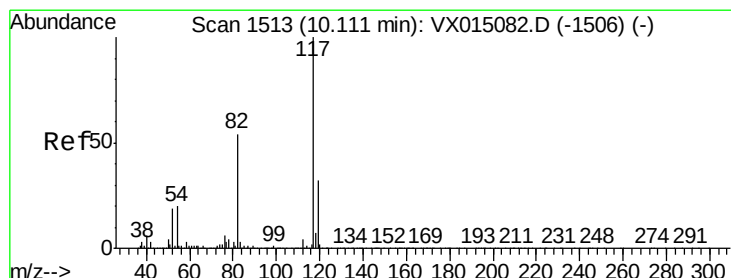
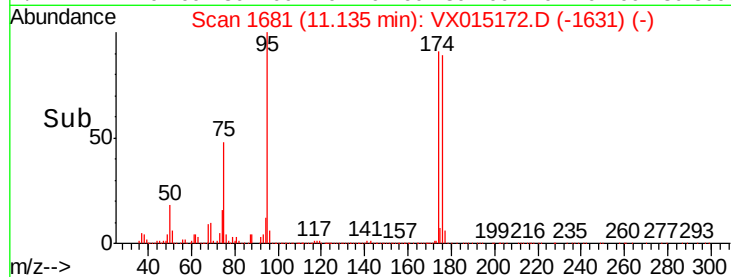
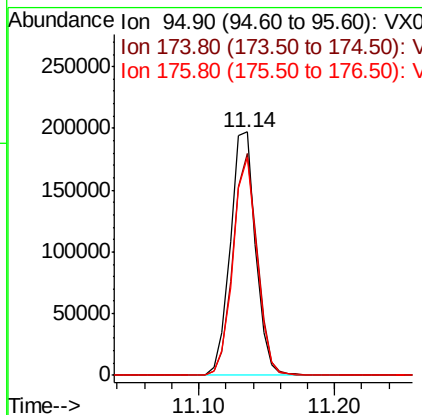
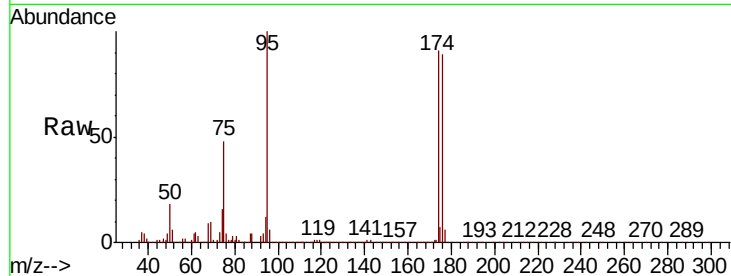




#62
4-Bromofluorobenzene
Concen: 52.155 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015172.D
Acq: 10 Mar 2020 15:42

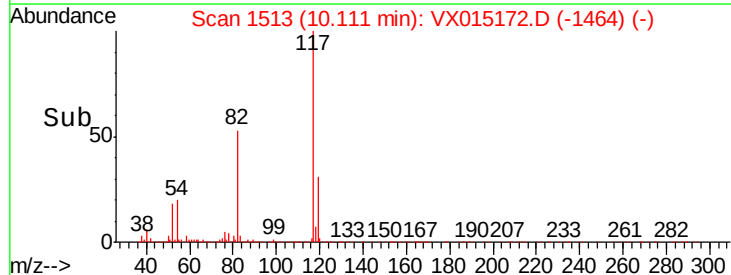
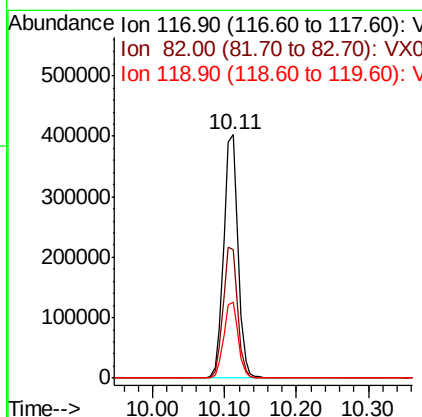
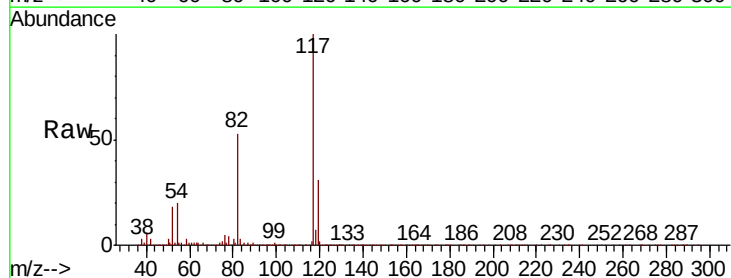
Instrument :
MSVOA_X
ClientSampled :

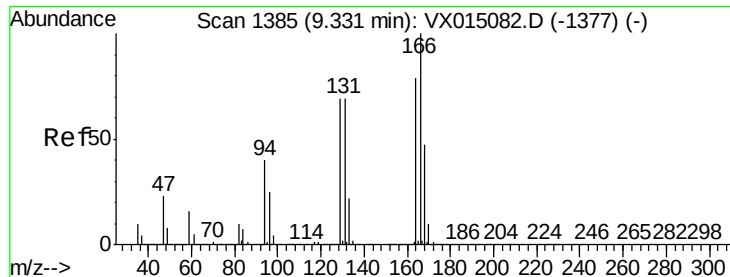
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	177.6
176	85.8	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015172.D
Acq: 10 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.3	64.9
119	31.4	25.8	38.8





#64

Tetrachloroethene

Concen: 1.166 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX015172.D

Acq: 10 Mar 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:164 Resp: 5389

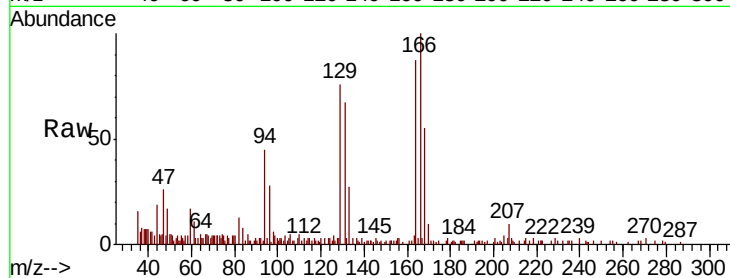
Ion Ratio Lower Upper

164 100

166 112.8 101.1 151.7

129 85.0 69.4 104.0

131 76.2 69.8 104.8

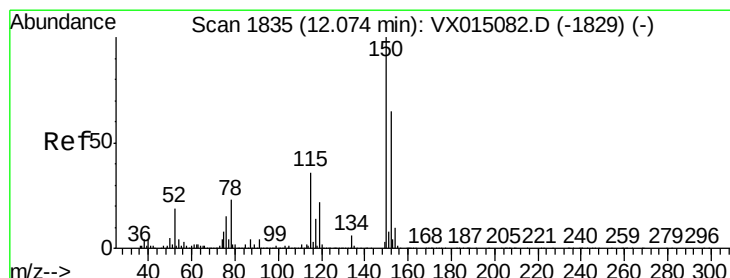
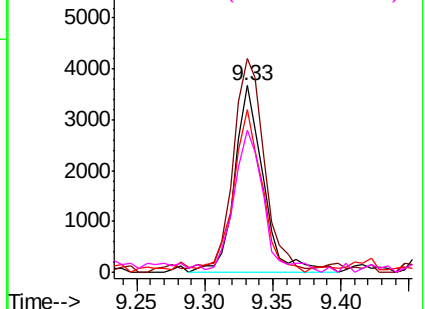
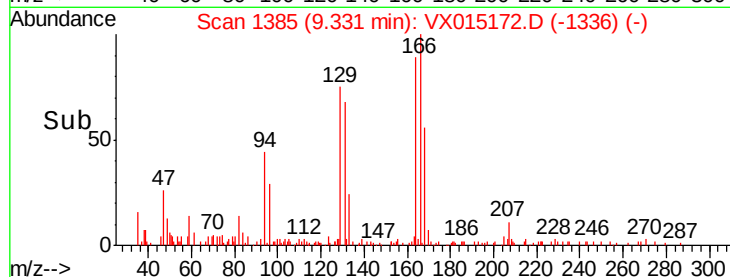


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX015172.D

Acq: 10 Mar 2020 15:42

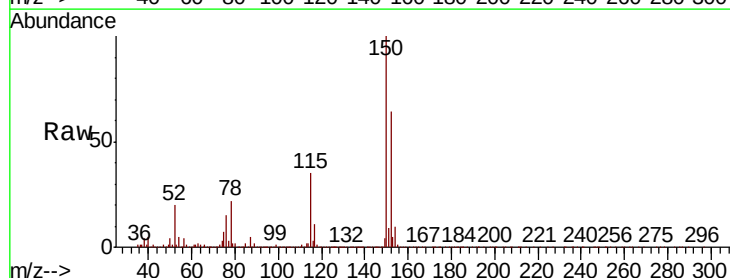
Tgt Ion:152 Resp: 281590

Ion Ratio Lower Upper

152 100

115 54.9 38.2 114.6

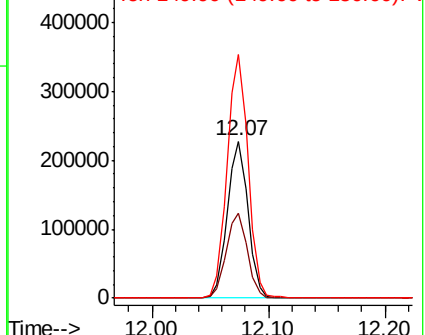
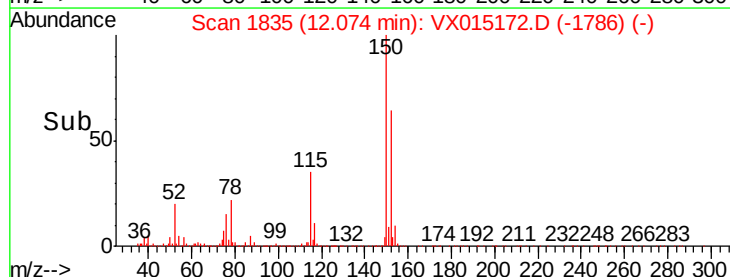
150 156.2 0.0 343.8

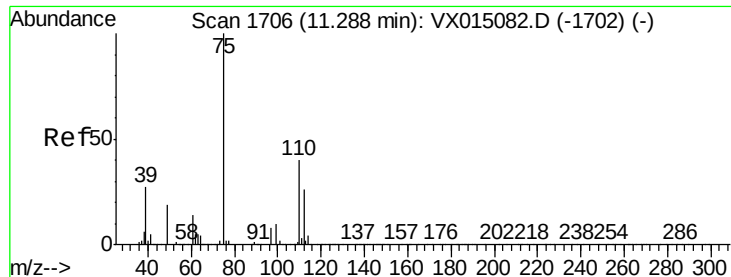


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.652 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015172.D

Acq: 10 Mar 2020 15:42

Instrument :

MSVOA_X

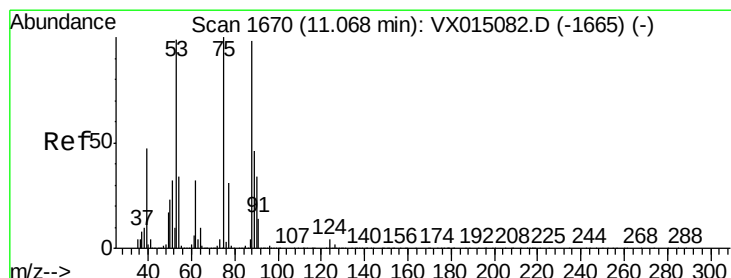
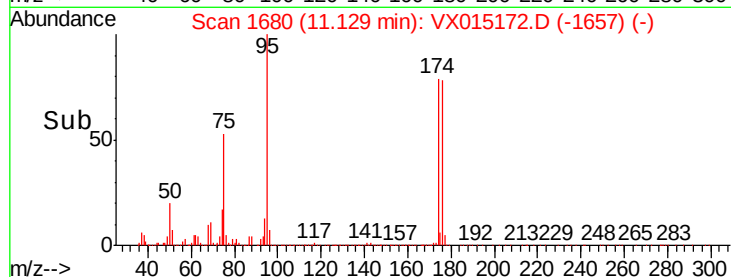
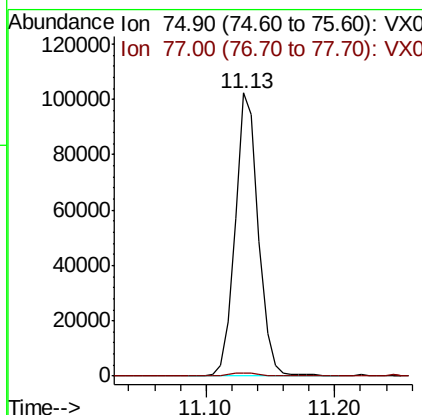
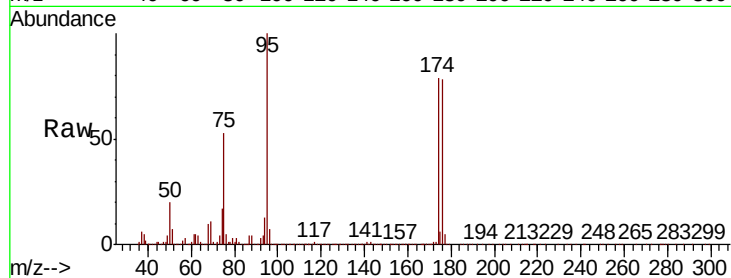
ClientSampled :

Tot Ion: 75 Resp: 127236

Ion Ratio Lower Upper

75 100

77 1.7 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.288 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015172.D

Acq: 10 Mar 2020 15:42

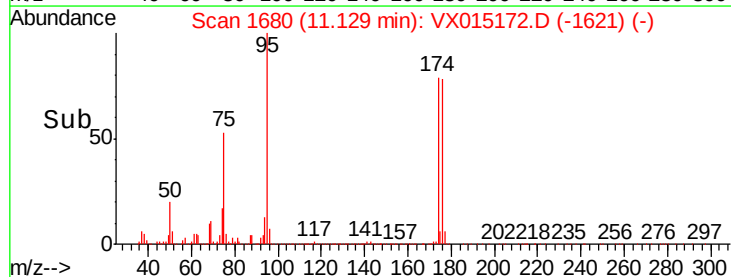
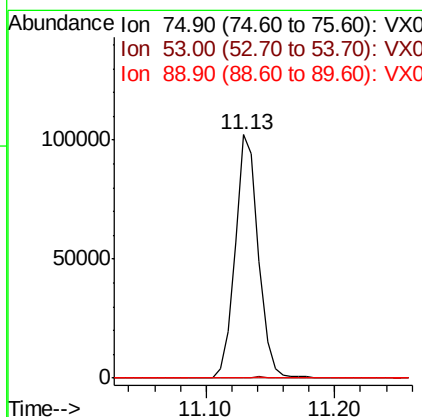
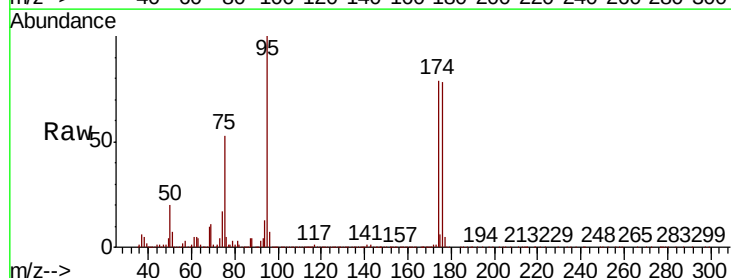
Tgt Ion: 75 Resp: 127236

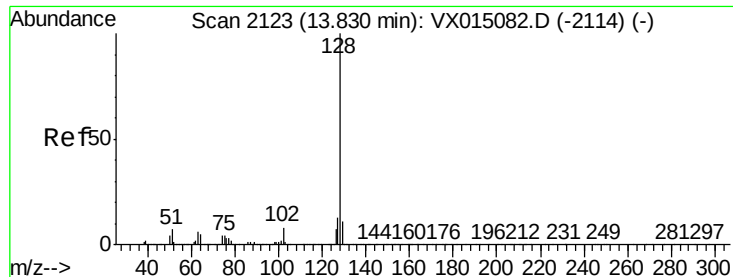
Ion Ratio Lower Upper

75 100

53 0.3 77.9 116.9#

89 0.1 36.2 54.2#





#95
Naphthalene
Concen: 1.457 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015172.D
Acq: 10 Mar 2020 15:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	23.7	10.3	15.5#
129	36.0	8.6	13.0#

