

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015174.D
 Acq On : 10 Mar 2020 16:27
 Operator : JC/SP
 Sample : L1842-22DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

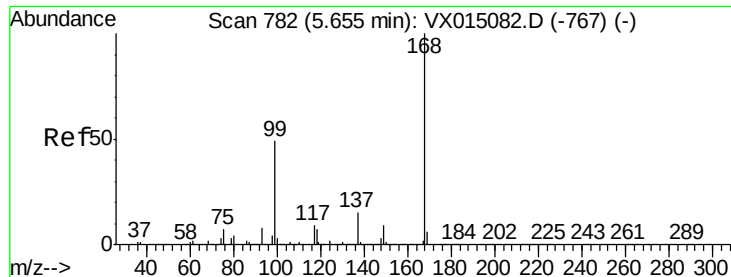
Quant Time: Mar 11 07:30:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	336277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	551470	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	536028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	270662	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	211015	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
35) Dibromofluoromethane	5.49	113	173835	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
50) Toluene-d8	8.71	98	668367	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	245065	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.38	101	193403	61.080	ug/l	99
11) Tert butyl alcohol	3.06	59	320	0.462	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	1978	0.605	ug/l #	45
13) Acrolein	2.28	56	343	0.527	ug/l #	15
15) Acrylonitrile	3.15	53	465	0.270	ug/l #	93
16) Acetone	2.44	43	624	0.386	ug/l #	78
27) cis-1,2-Dichloroethene	4.60	96	1875	0.479	ug/l	88
28) Bromochloromethane	5.01	49	918	0.320	ug/l #	46
29) Tetrahydrofuran	5.11	42	481	0.315	ug/l #	1
38) Carbon Tetrachloride	5.65	117	30186	6.273	ug/l #	16
44) Trichloroethene	7.21	130	75066	17.821	ug/l	96
49) 1,4-Dioxane	7.73	88	471	5.145	ug/l #	16
51) 4-Methyl-2-Pentanone	8.63	43	984	0.200	ug/l #	79
58) 2-Chloroethyl Vinyl ether	8.27	63	605	0.205	ug/l	93
60) Dibromochloromethane	9.33	129	23105	5.778	ug/l #	11
64) Tetrachloroethene	9.33	164	26221	5.916	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	119767	22.184	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	119767	62.957	ug/l #	11
95) Naphthalene	13.80	128	229	1.432	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_X

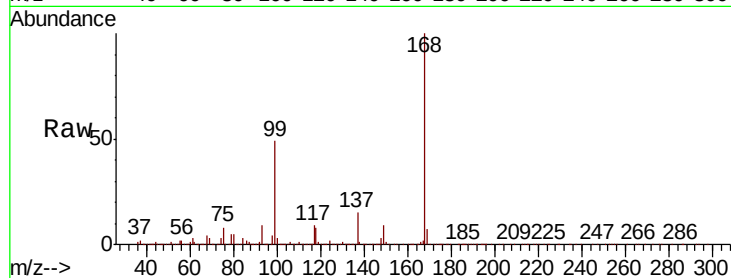
ClientSampled :

Tot Ion:168 Resp: 336277

Ion Ratio Lower Upper

168 100

99 48.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

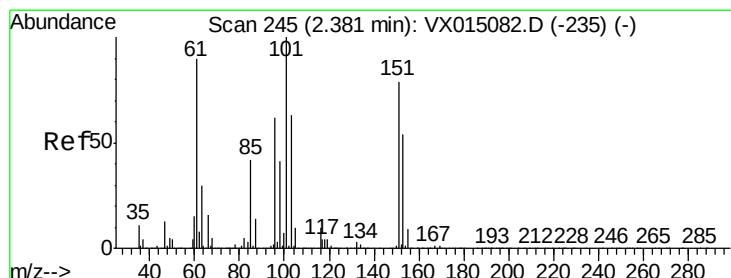
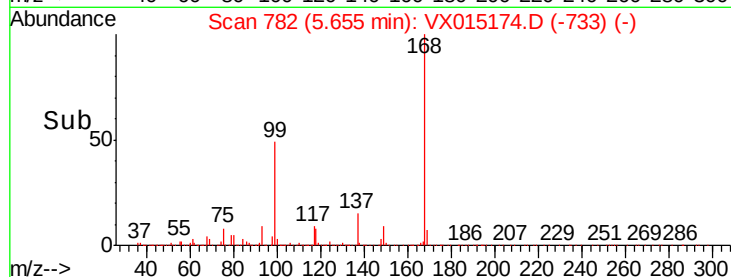
5.65

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 61.080 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

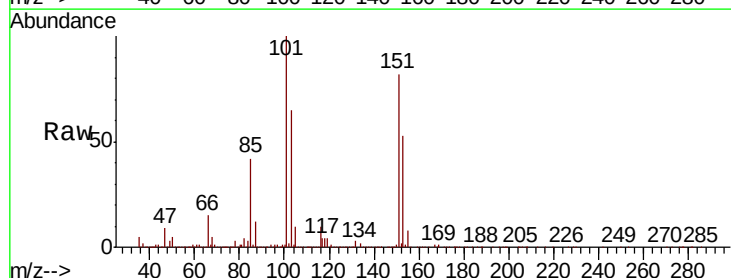
Tgt Ion:101 Resp: 193403

Ion Ratio Lower Upper

101 100

85 41.8 33.7 50.5

151 81.8 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

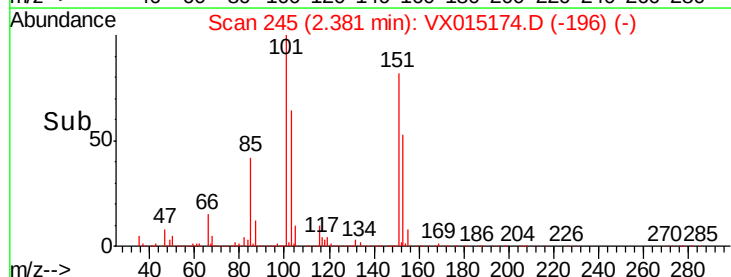
2.38

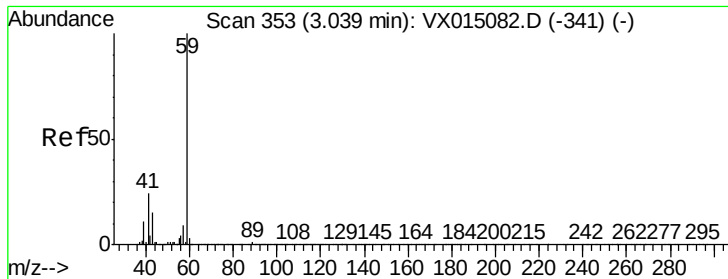
100000

50000

0

Time-->



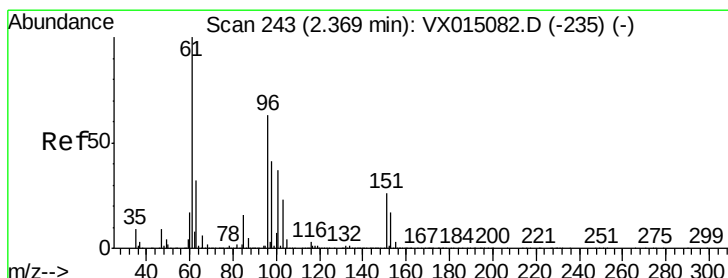
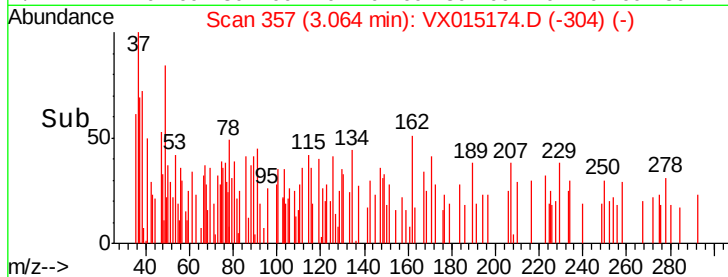
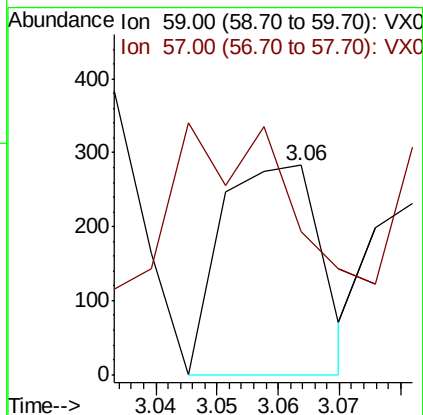
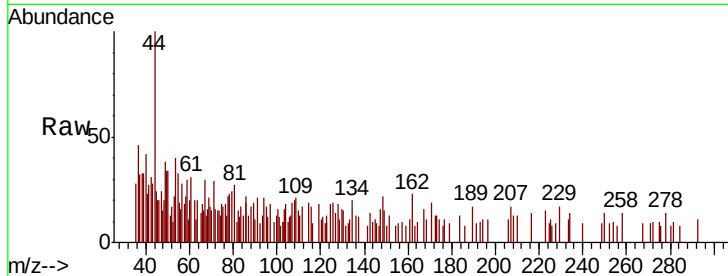


#11

Tert butyl alcohol
Concen: 0.462 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX015174.D
Acq: 10 Mar 2020 16:27

Instrument :
MSVOA_X
ClientSampled :

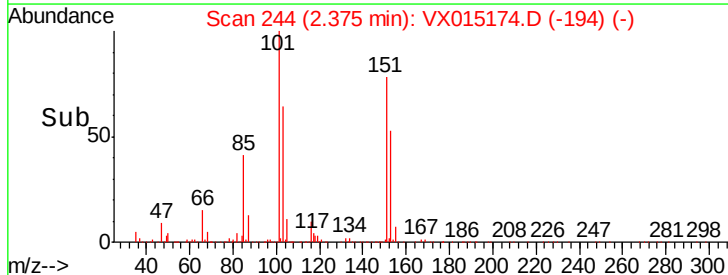
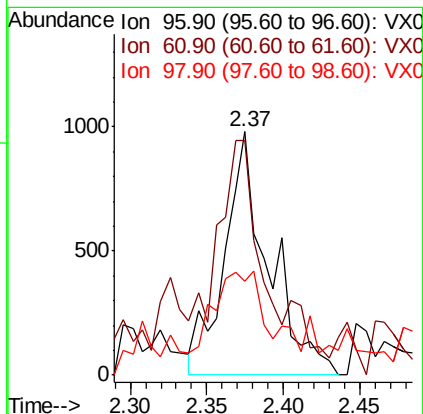
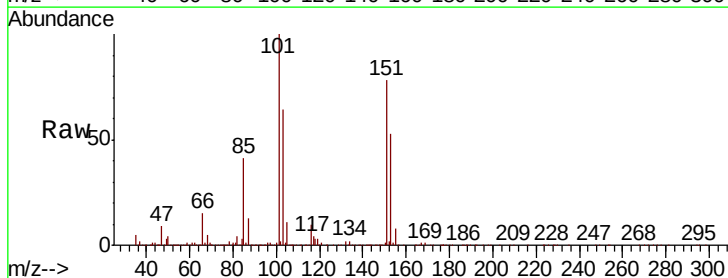
Tot Ion: 59 Resp: 320
Ion Ratio Lower Upper
59 100
57 82.5 8.2 12.4#

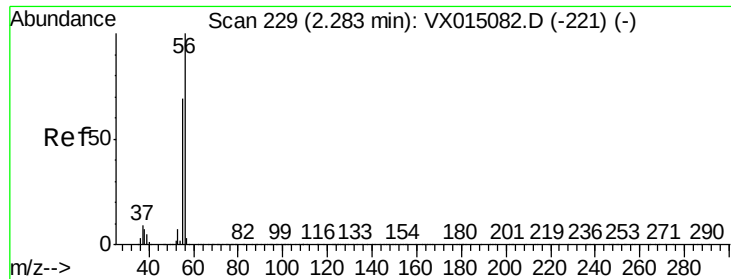


#12

1,1-Dichloroethene
Concen: 0.605 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX015174.D
Acq: 10 Mar 2020 16:27

Tgt Ion: 96 Resp: 1978
Ion Ratio Lower Upper
96 100
61 80.8 126.2 189.4#
98 28.2 51.4 77.0#

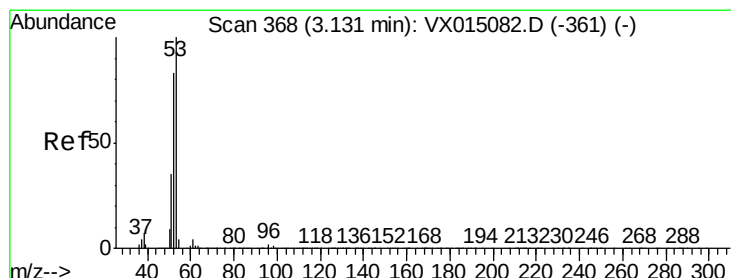
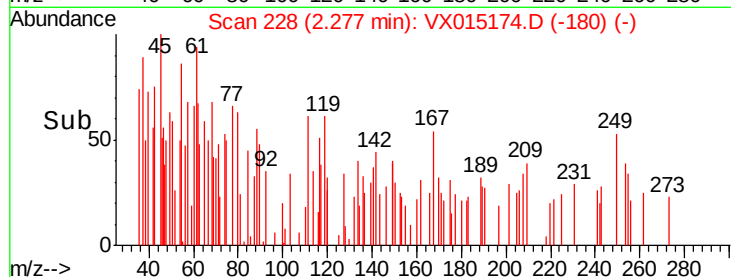
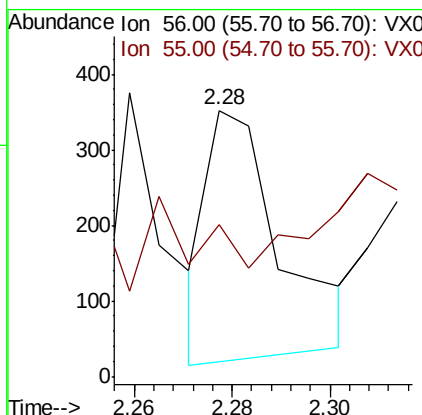
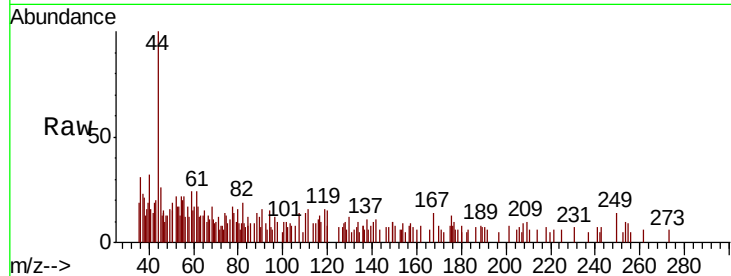




#13
Acrolein
Concen: 0.527 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX015174.D
Acq: 10 Mar 2020 16:27

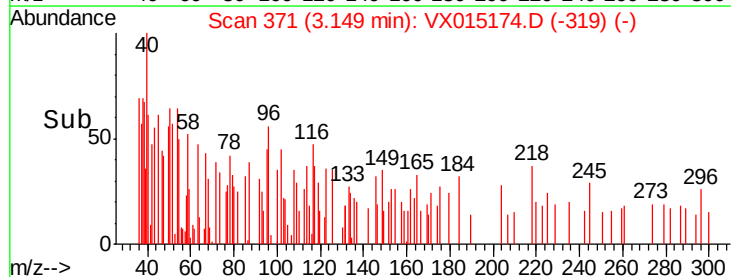
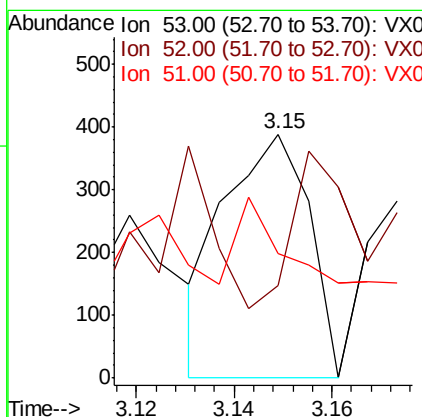
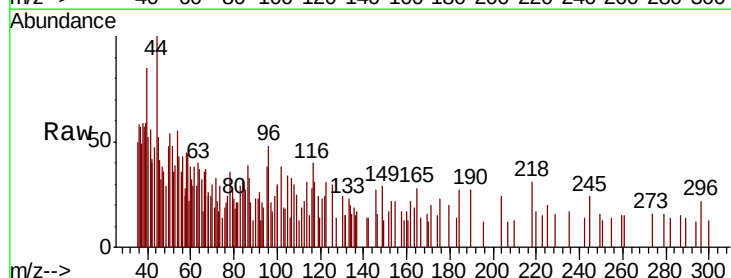
Instrument :
MSVOA_X
ClientSampled :

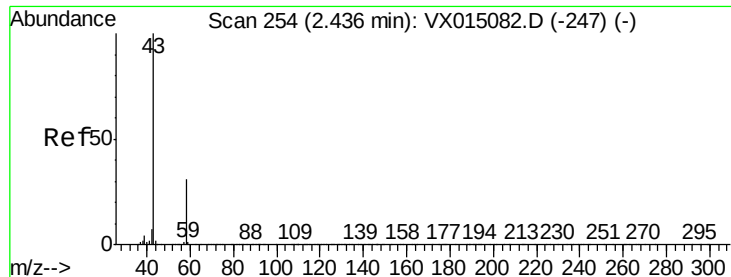
Tot Ion: 56 Resp: 343
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#



#15
Acrylonitrile
Concen: 0.270 ug/l
RT: 3.15 min Scan# 371
Delta R.T. 0.02 min
Lab File: VX015174.D
Acq: 10 Mar 2020 16:27

Tgt Ion: 53 Resp: 465
Ion Ratio Lower Upper
53 100
52 86.7 66.6 100.0
51 28.6 29.0 43.6#





#16

Acetone

Concen: 0.386 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_X

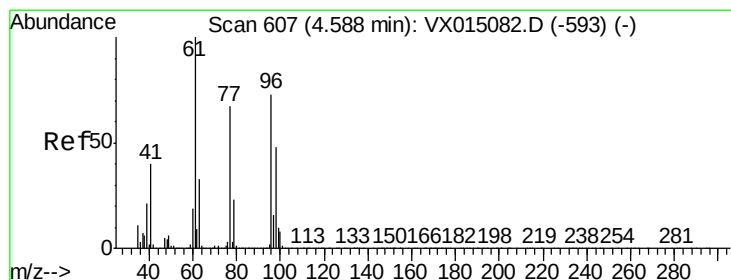
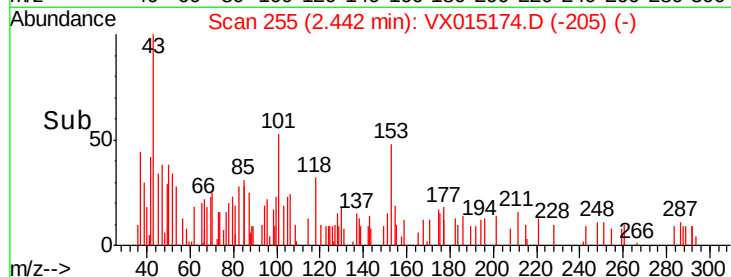
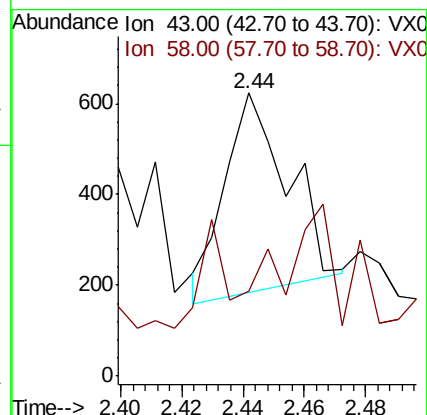
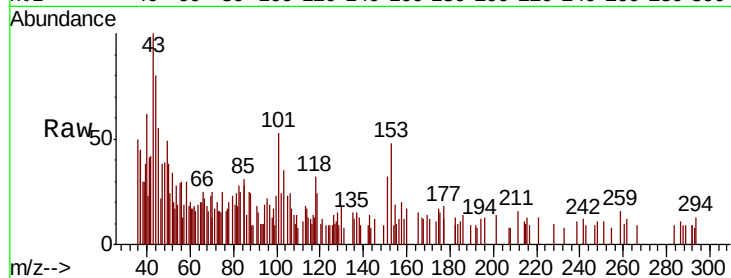
ClientSampleId :

Tot Ion: 43 Resp: 624

Ion Ratio Lower Upper

43 100

58 19.1 24.8 37.2#



#27

cis-1,2-Dichloroethene

Concen: 0.479 ug/l

RT: 4.60 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

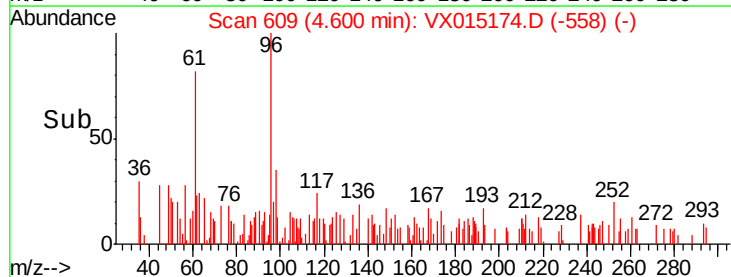
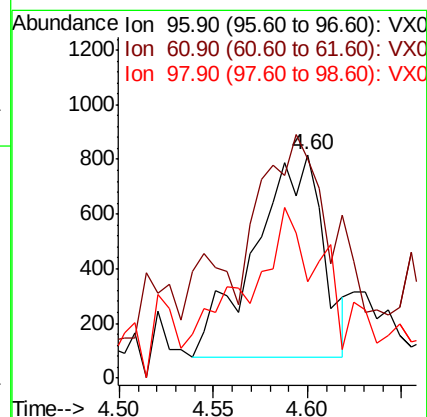
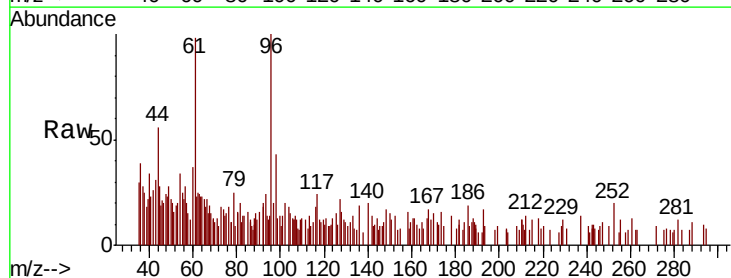
Tgt Ion: 96 Resp: 1875

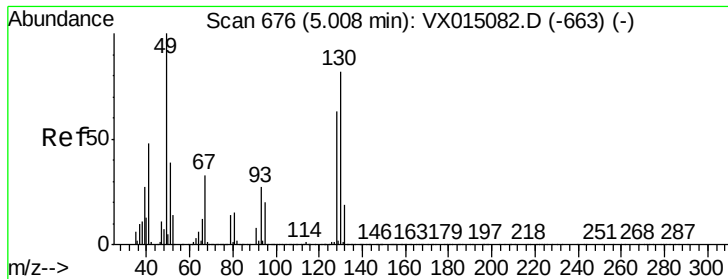
Ion Ratio Lower Upper

96 100

61 129.6 0.0 286.8

98 74.7 0.0 128.4





#28

Bromochloromethane

Concen: 0.320 ug/l

RT: 5.01 min Scan# 676

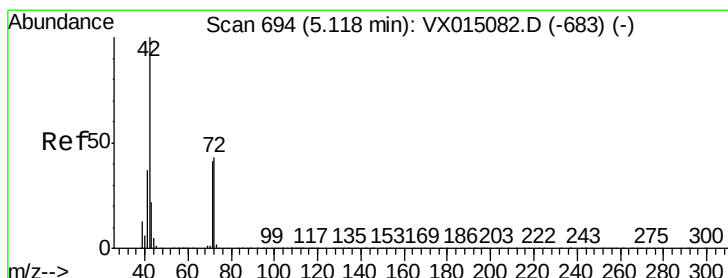
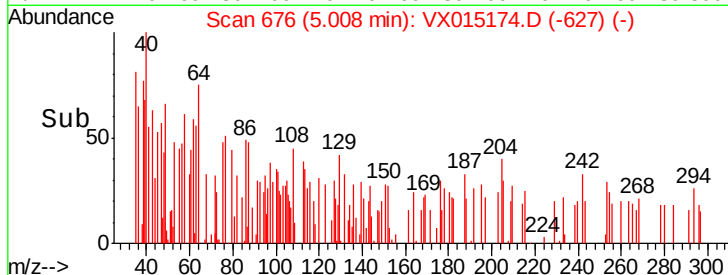
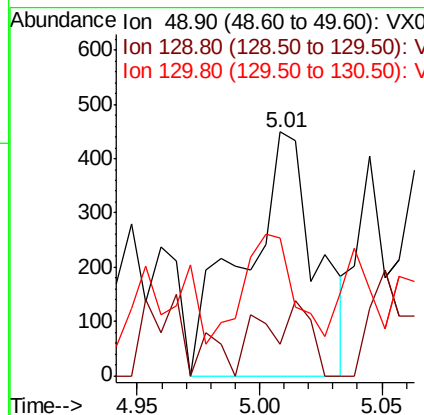
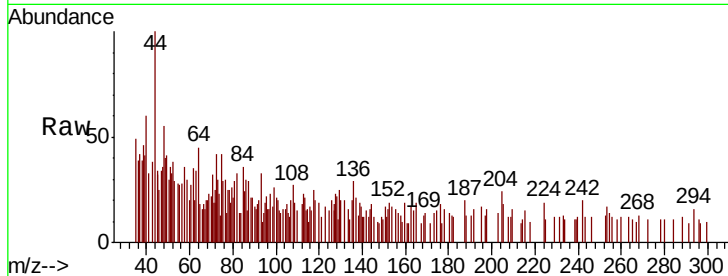
Delta R.T. 0.00 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 918
Ion Ratio Lower Upper
49 100
129 10.6 0.0 4.4#
130 32.7 65.0 97.6#



#29

Tetrahydrofuran

Concen: 0.315 ug/l

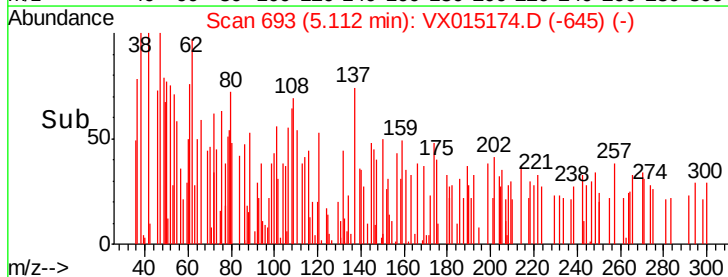
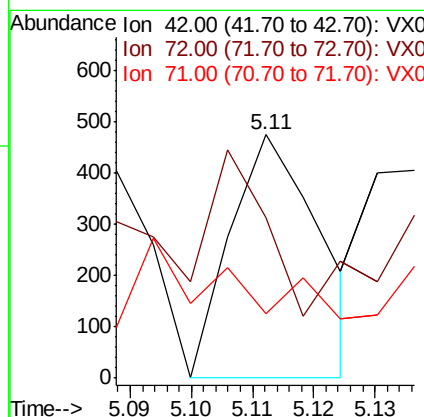
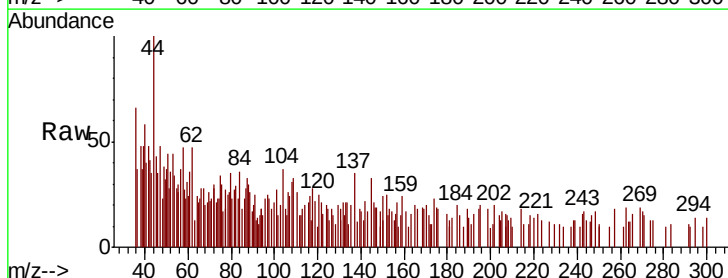
RT: 5.11 min Scan# 693

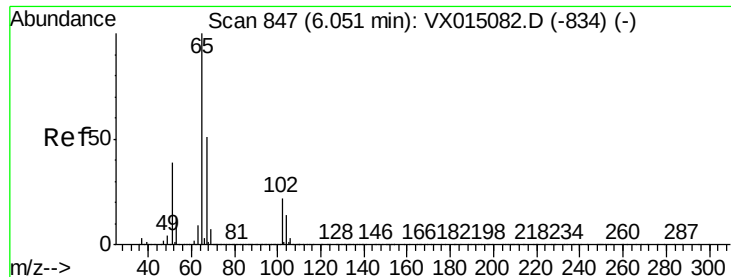
Delta R.T. -0.01 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

Tgt Ion: 42 Resp: 481
Ion Ratio Lower Upper
42 100
72 188.6 36.4 54.6#
71 0.0 33.3 49.9#

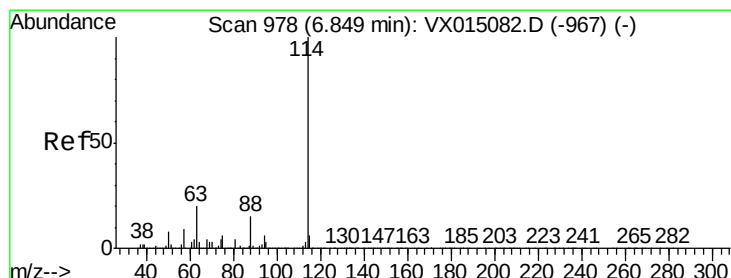
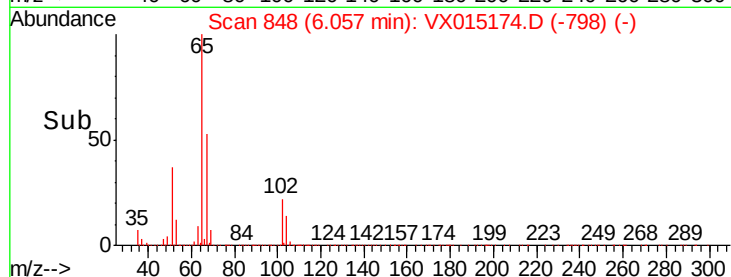
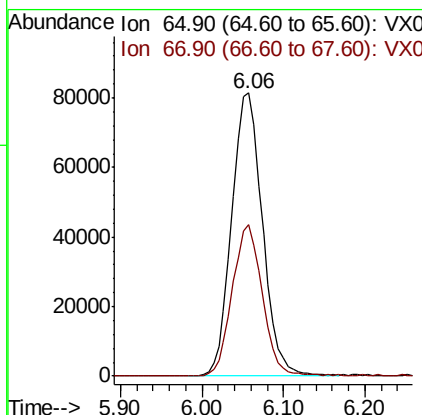
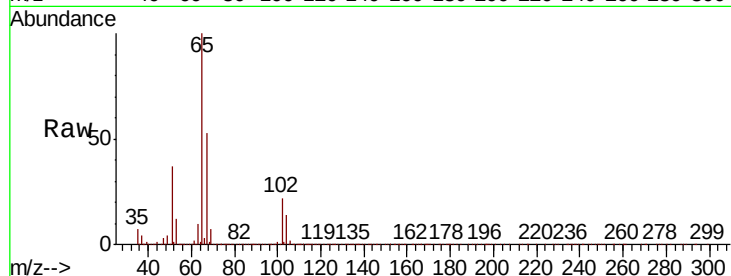




#33
 1,2-Dichloroethane-d4
 Concen: 52.893 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX015174.D
 Acq: 10 Mar 2020 16:27

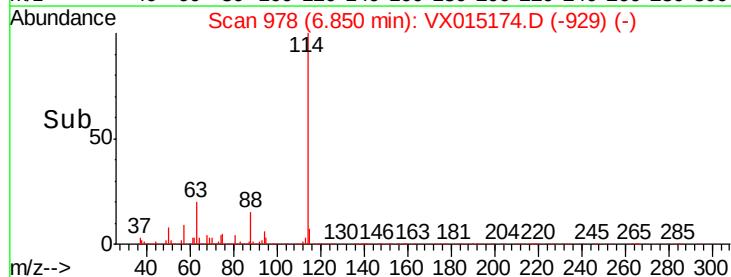
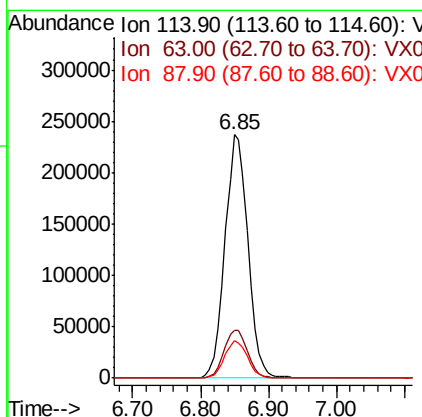
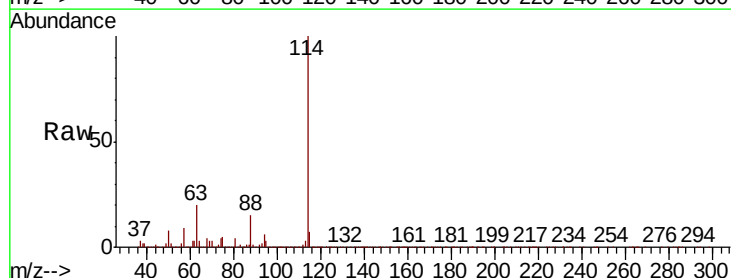
Instrument :
 MSVOA_X
 ClientSampleId :

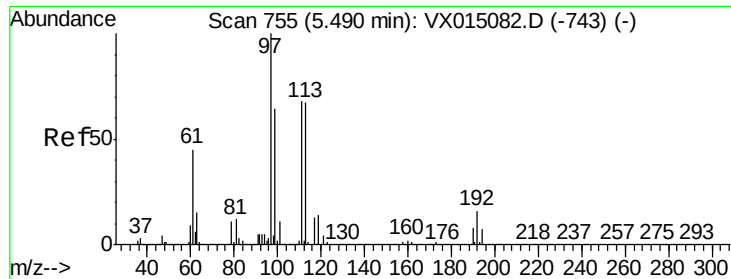
Tot Ion: 65 Resp: 211015
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015174.D
 Acq: 10 Mar 2020 16:27

Tgt Ion: 114 Resp: 551470
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.4 0.0 30.6

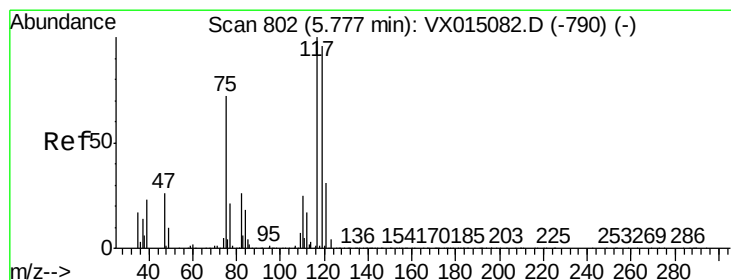
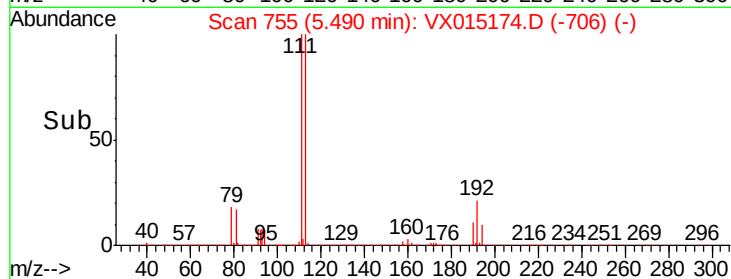
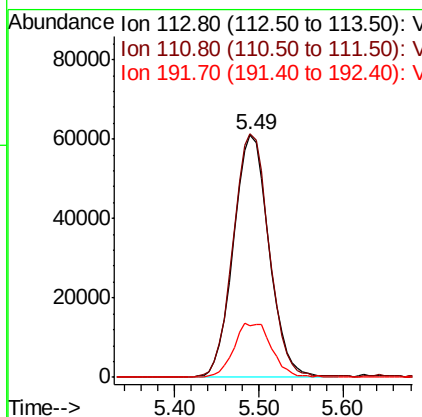
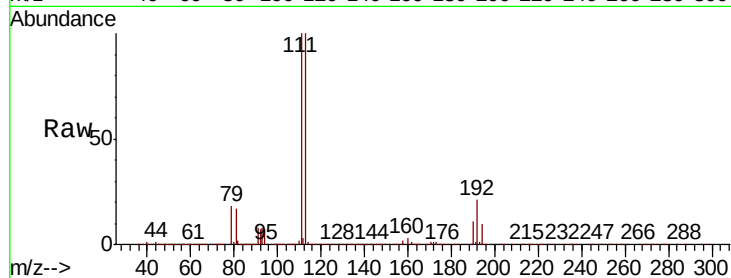




#35
 Dibromofluoromethane
 Concen: 49.966 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015174.D
 Acq: 10 Mar 2020 16:27

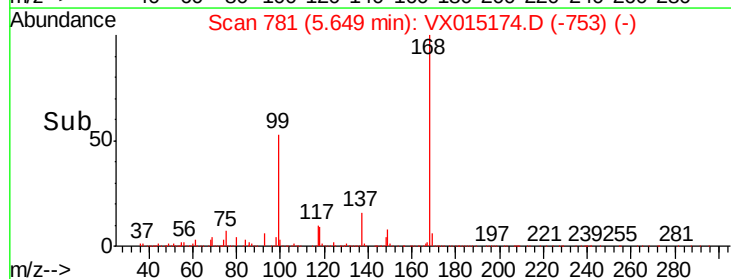
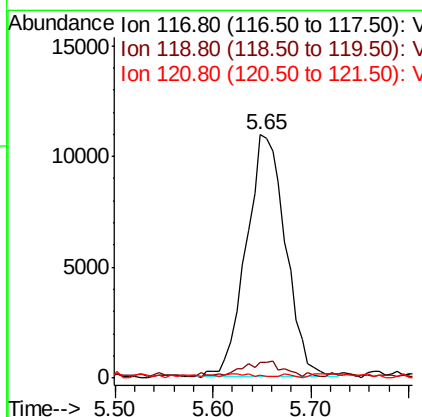
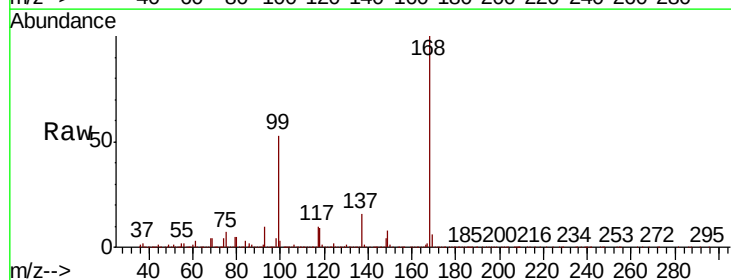
Instrument :
 MSVOA_X
 ClientSampleId :

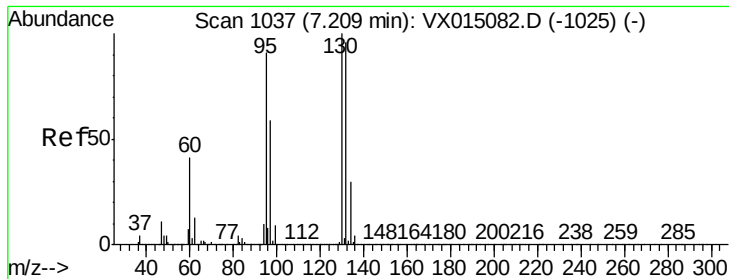
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	123.8
192	23.9	18.6	28.0



#38
 Carbon Tetrachloride
 Concen: 6.273 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX015174.D
 Acq: 10 Mar 2020 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.9	115.3#
121	0.4	24.6	37.0#





#44

Trichloroethene

Concen: 17.821 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_X

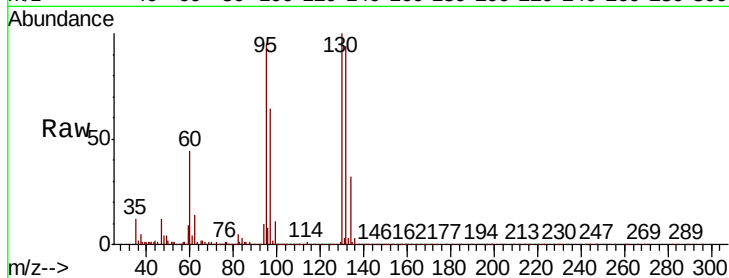
ClientSampled :

Tot Ion:130 Resp: 75066

Ion Ratio Lower Upper

130 100

95 94.8 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

40000

30000

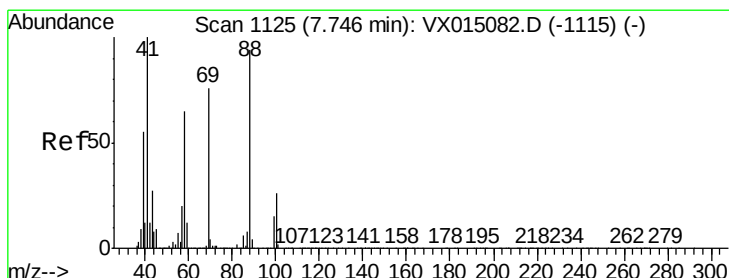
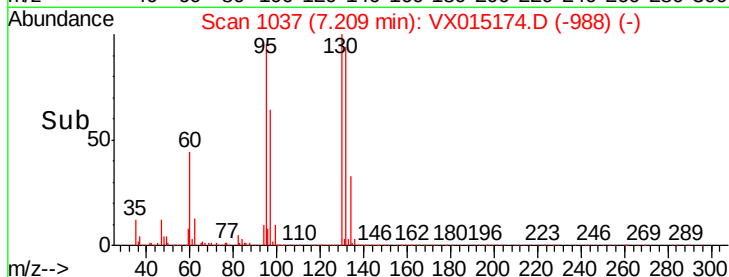
20000

10000

0

7.10 7.20 7.30

Time-->



#49

1,4-Dioxane

Concen: 5.145 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

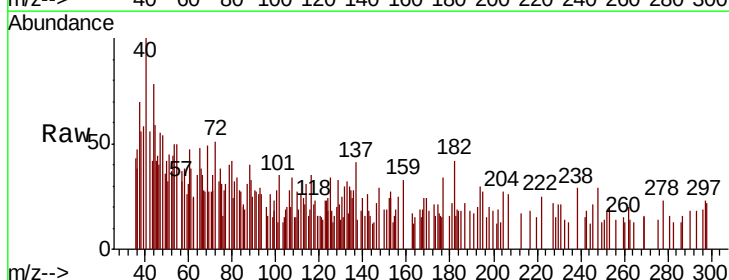
Tgt Ion: 88 Resp: 471

Ion Ratio Lower Upper

88 100

43 79.6 27.0 40.4#

58 0.0 55.6 83.4#



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

600

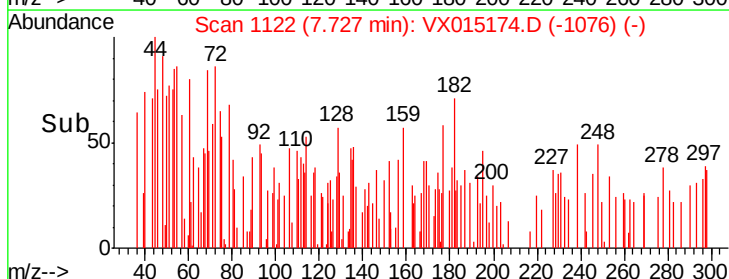
400

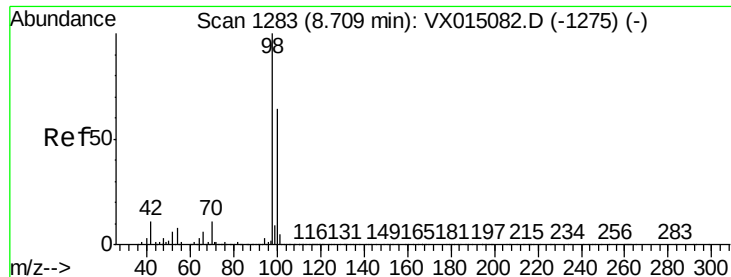
200

0

7.70 7.72 7.74 7.76

Time-->





#50

Toluene-d8

Concen: 50.504 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_X

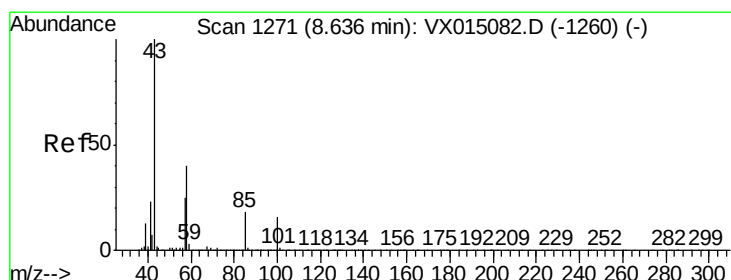
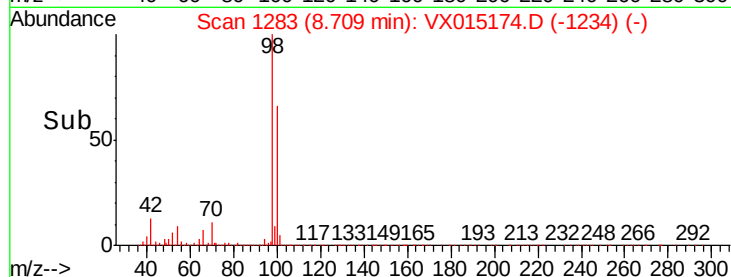
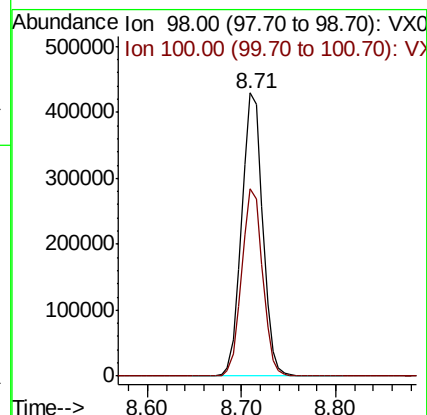
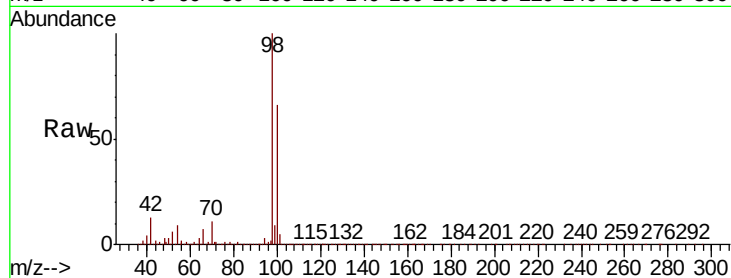
ClientSampleId :

Tot Ion: 98 Resp: 668367

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 0.200 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX015174.D

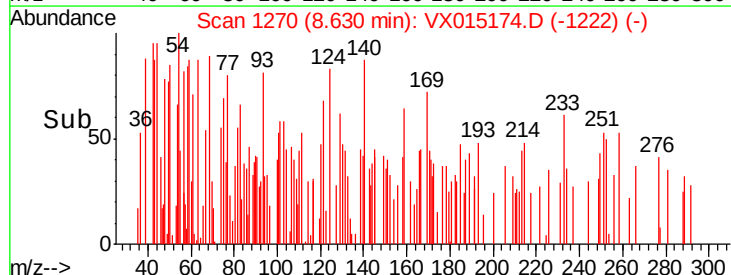
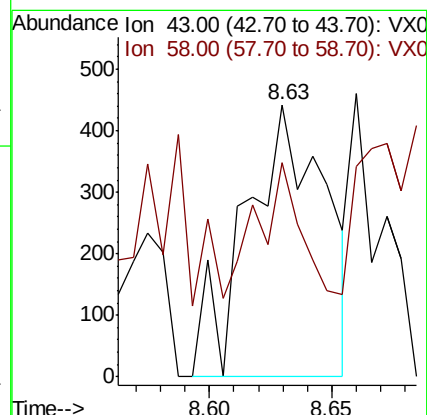
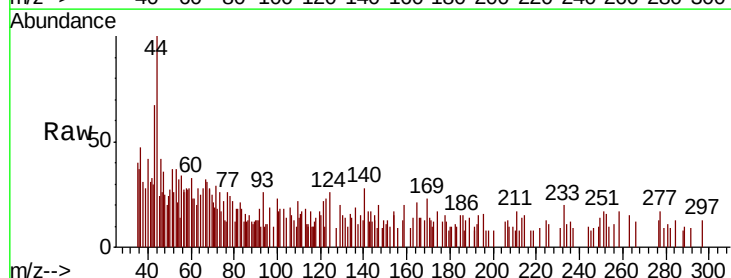
Acq: 10 Mar 2020 16:27

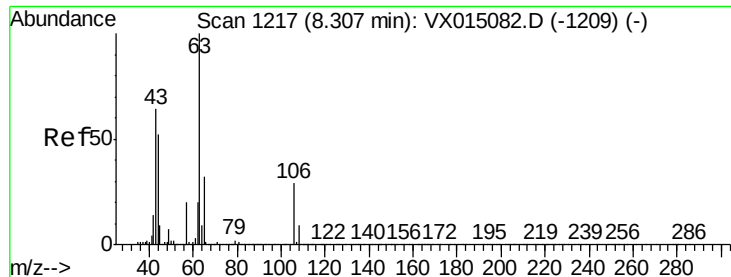
Tgt Ion: 43 Resp: 984

Ion Ratio Lower Upper

43 100

58 26.7 31.6 47.4#

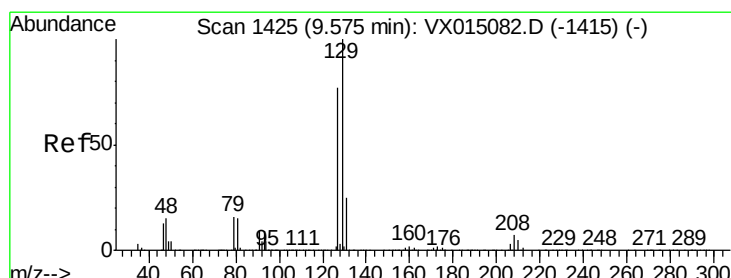
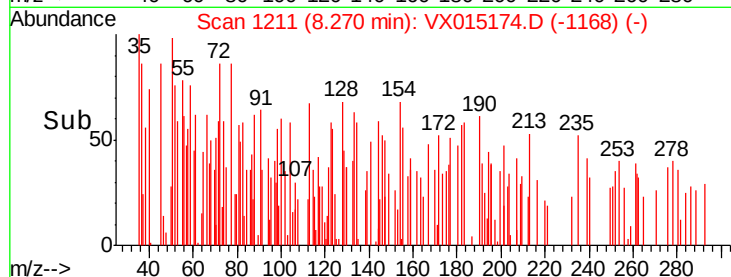
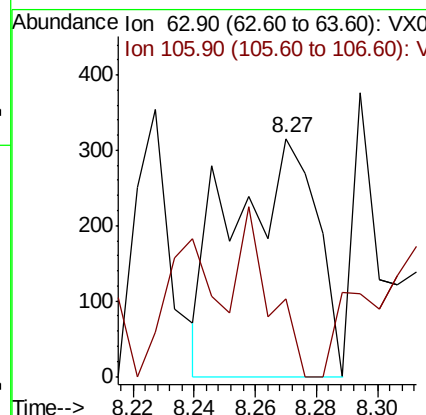
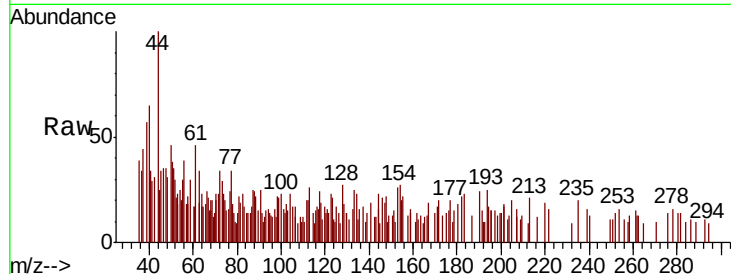




#58
2-Chloroethyl Vinyl ether
Concen: 0.205 ug/l
RT: 8.27 min Scan# 1211
Delta R.T. -0.04 min
Lab File: VX015174.D
Acq: 10 Mar 2020 16:27

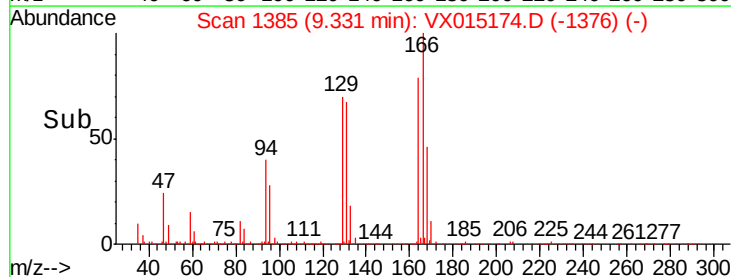
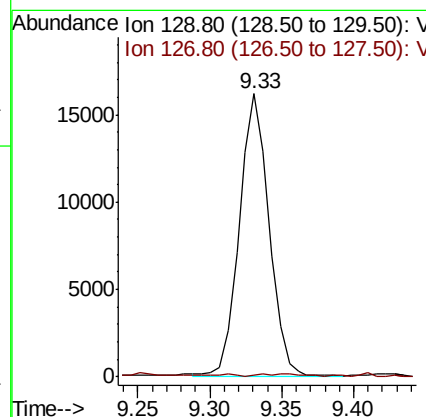
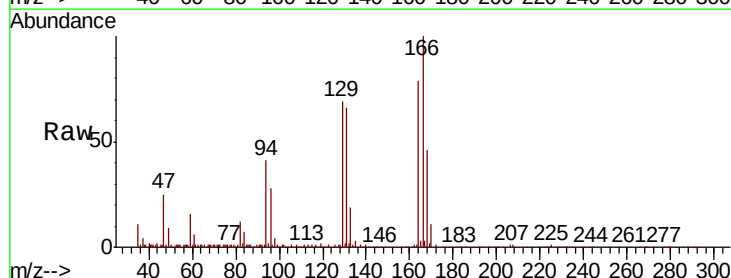
Instrument :
MSVOA_X
ClientSampled :

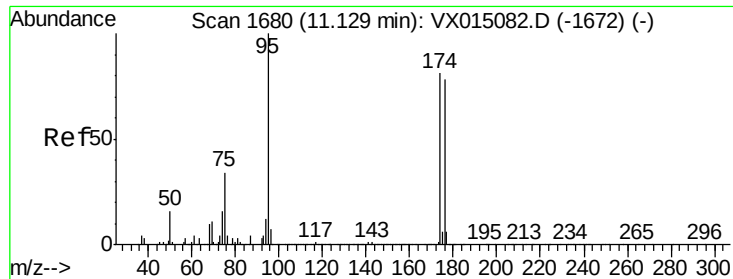
Tot Ion: 63 Resp: 605
Ion Ratio Lower Upper
63 100
106 24.6 22.8 34.2



#60
Dibromochloromethane
Concen: 5.778 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.24 min
Lab File: VX015174.D
Acq: 10 Mar 2020 16:27

Tgt Ion: 129 Resp: 23105
Ion Ratio Lower Upper
129 100
127 0.7 38.8 116.3#





#62

4-Bromofluorobenzene

Concen: 51.917 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

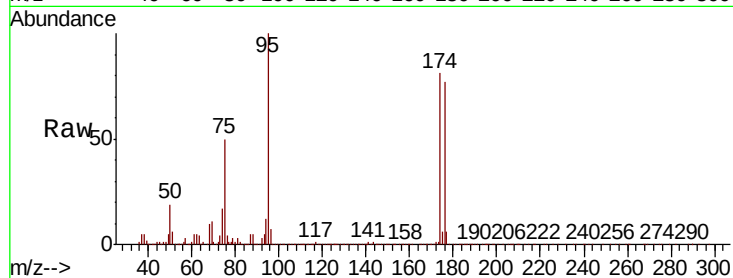
Tot Ion: 95 Resp: 245065

Ion Ratio Lower Upper

95 100

174 88.4 0.0 177.6

176 85.3 0.0 170.2

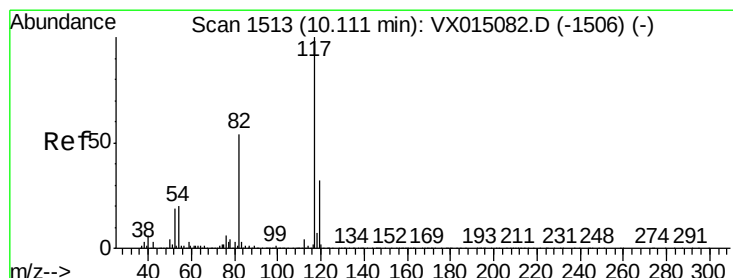
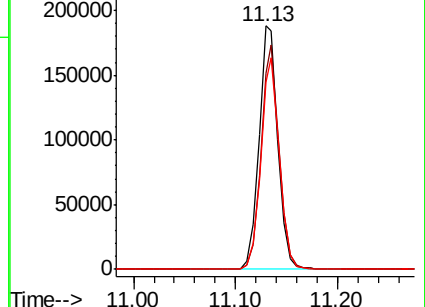
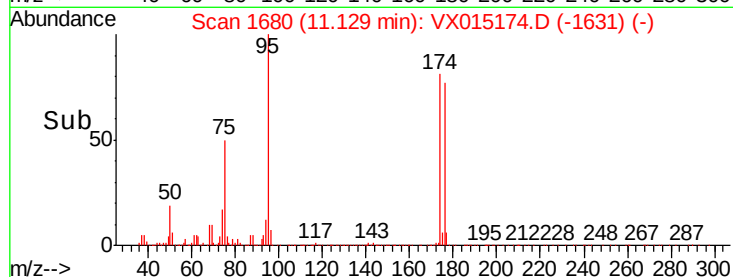


Abundance Ion 94.90 (94.60 to 95.60): VX015082.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX015082.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX015082.D (-1672) (-)

11.13



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

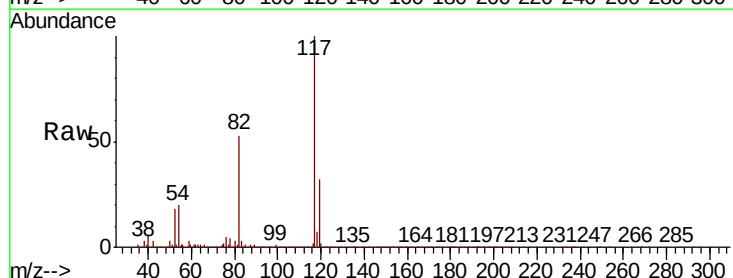
Tgt Ion: 117 Resp: 536028

Ion Ratio Lower Upper

117 100

82 52.5 43.3 64.9

119 32.0 25.8 38.8

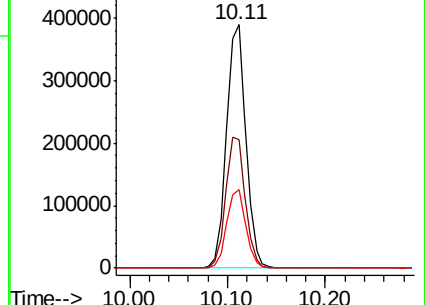
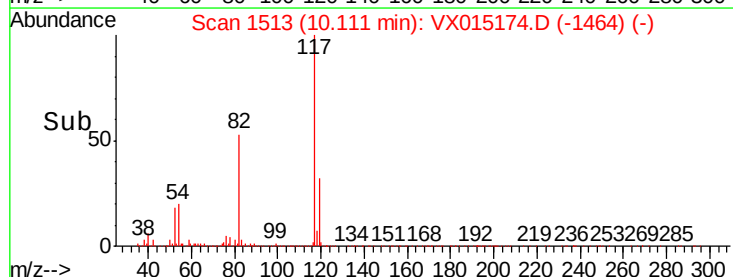


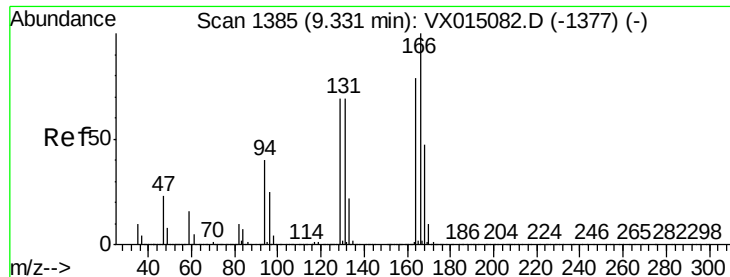
Abundance Ion 116.90 (116.60 to 117.60): VX015082.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX015082.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX015082.D (-1506) (-)

10.11





#64

Tetrachloroethene

Concen: 5.916 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:164 Resp: 26221

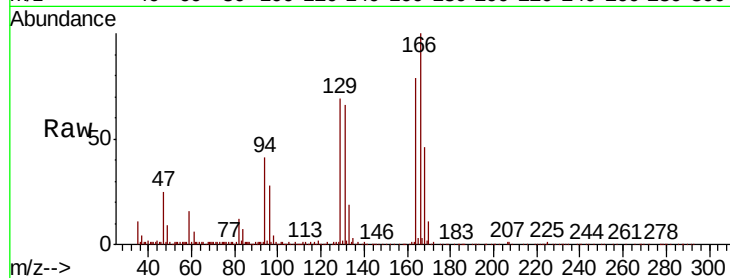
Ion Ratio Lower Upper

164 100

166 127.0 101.1 151.7

129 88.0 69.4 104.0

131 83.7 69.8 104.8

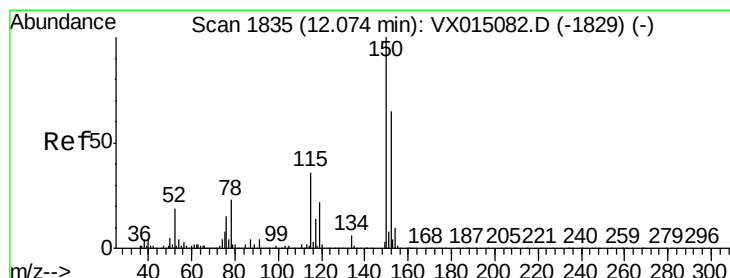
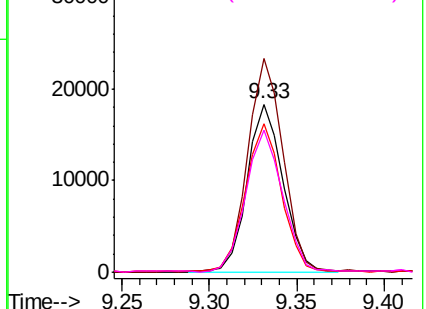
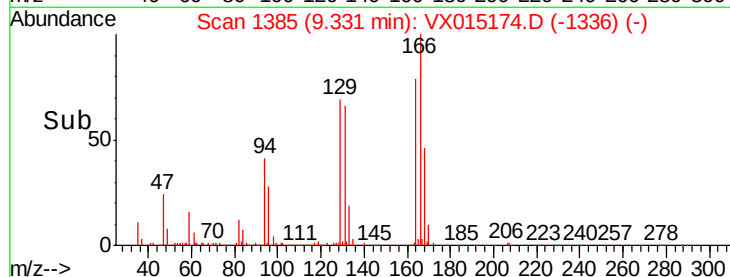


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX015174.D

Acq: 10 Mar 2020 16:27

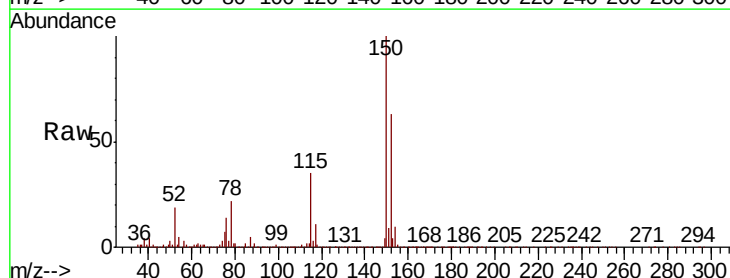
Tgt Ion:152 Resp: 270662

Ion Ratio Lower Upper

152 100

115 55.0 38.2 114.6

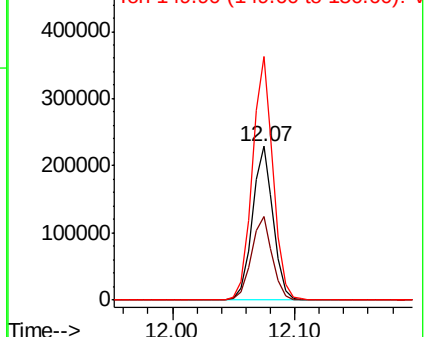
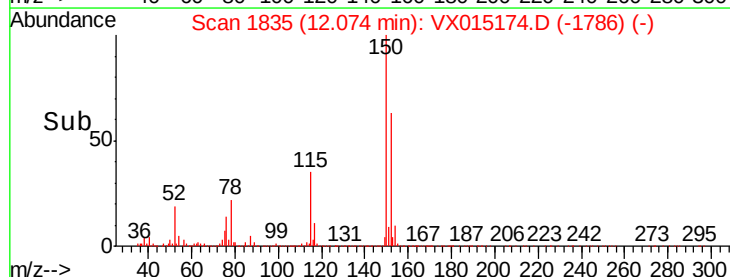
150 158.1 0.0 343.8

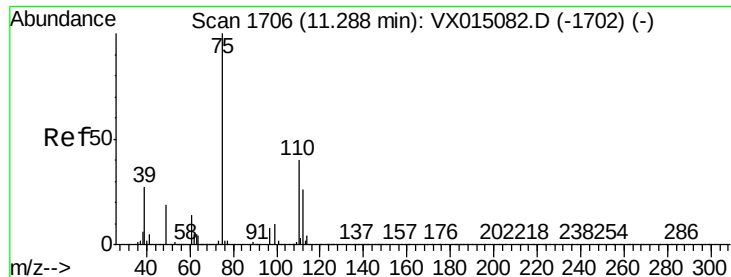


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.184 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_X

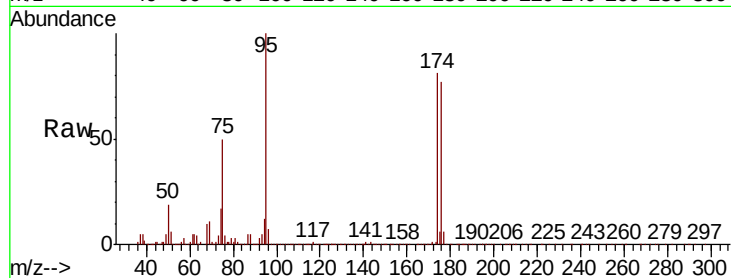
ClientSampleId :

Tot Ion: 75 Resp: 119767

Ion Ratio Lower Upper

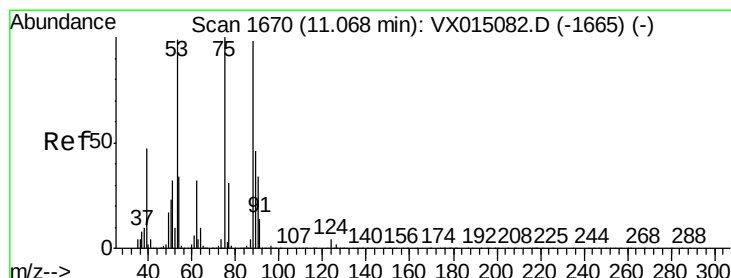
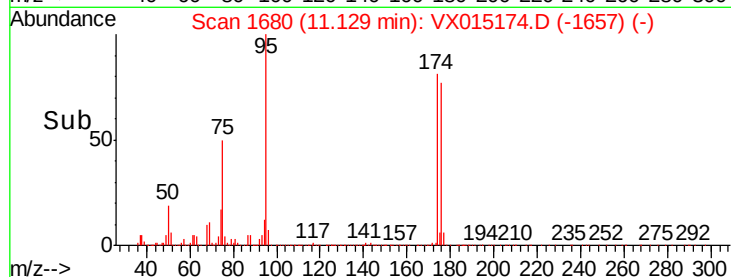
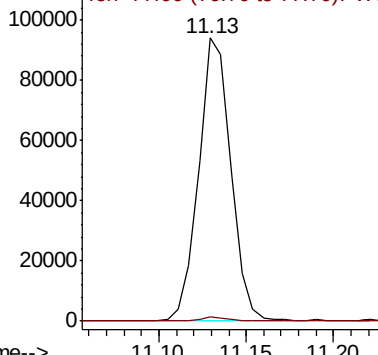
75 100

77 1.7 22.6 67.8#



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: 62.957 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

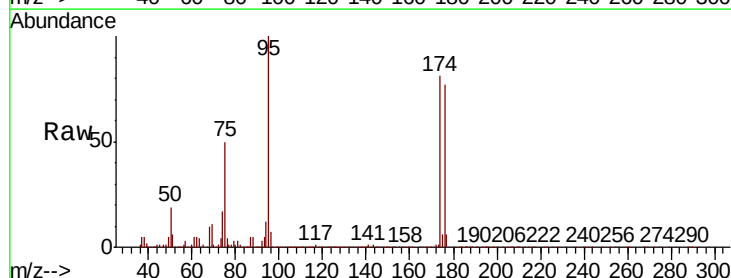
Tgt Ion: 75 Resp: 119767

Ion Ratio Lower Upper

75 100

53 0.2 77.9 116.9#

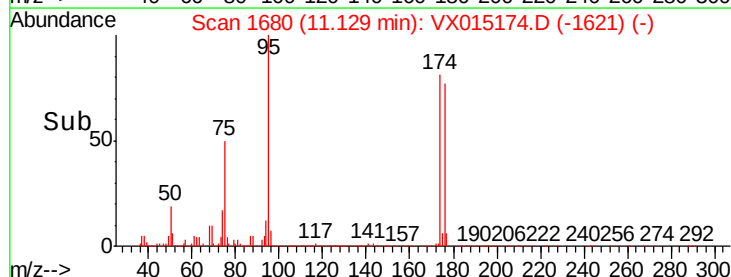
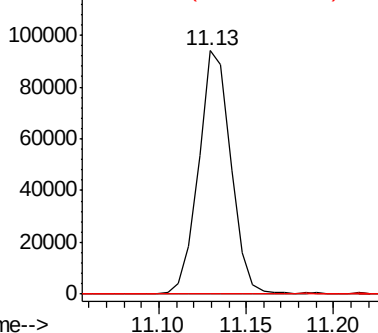
89 0.3 36.2 54.2#

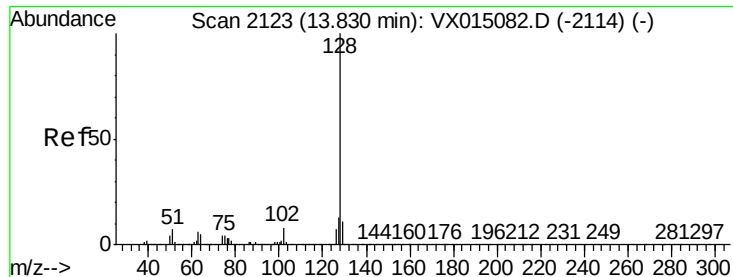


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 1.432 ug/l

RT: 13.80 min Scan# 2118

Delta R.T. -0.03 min

Lab File: VX015174.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 229

Ion Ratio Lower Upper

128 100

127 62.0 10.3 15.5#

129 30.6 8.6 13.0#

