

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

33) 1,2-Dichloroethane-d4	6.06	65	211015	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	5.49	113	173835	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	8.71	98	668367	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	245065	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

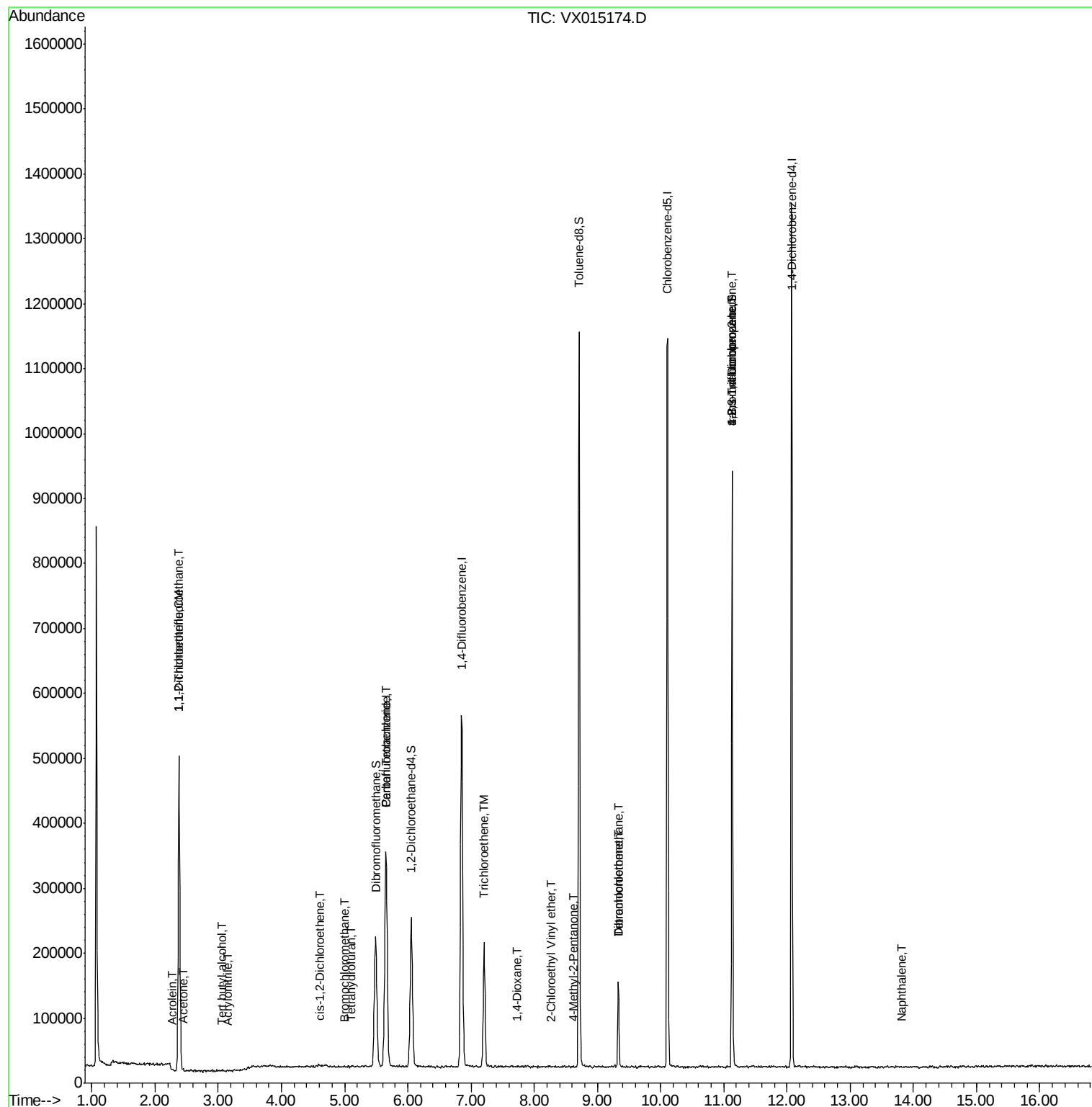
					Qvalue	
9) 1,1,2-Trichlorotrifluoroet	2.38	101	193403	61.080	ug/l	99
11) Tert butyl alcohol	3.06	59	320	0.462	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	1978	0.605	ug/l #	45
13) Acrolein	2.28	56	343	0.527	ug/l #	15
15) Acrylonitrile	3.15	53	465	0.270	ug/l #	93
16) Acetone	2.44	43	624	0.386	ug/l #	78
27) 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

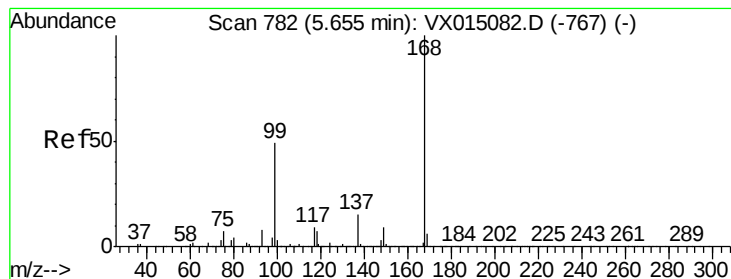
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\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
ClientSampled :

Quant Time: Mar 11 07:30:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
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: VX015174.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_X

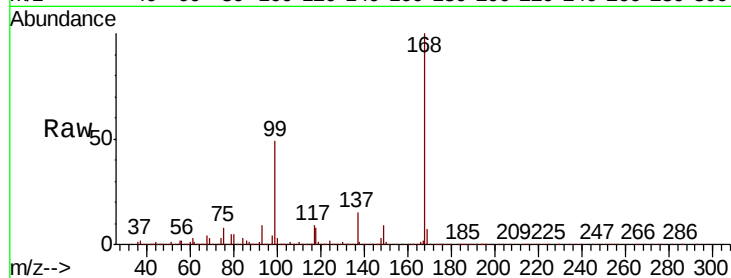
ClientSampled :

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

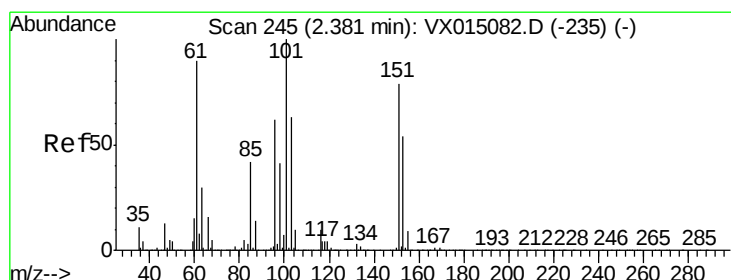
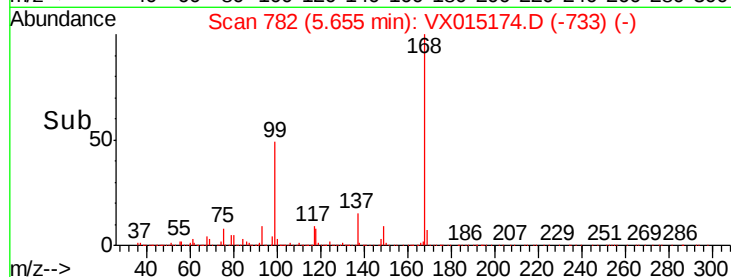
5.65

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

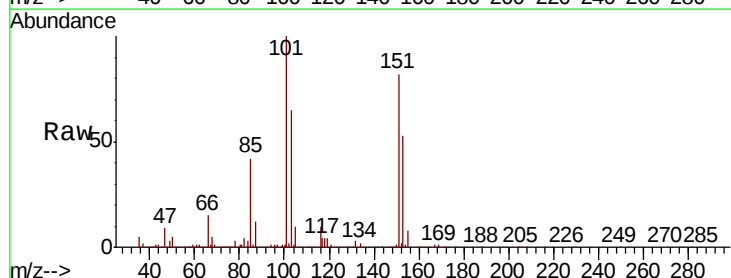
Tgt Ion:101 Resp: 193403

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

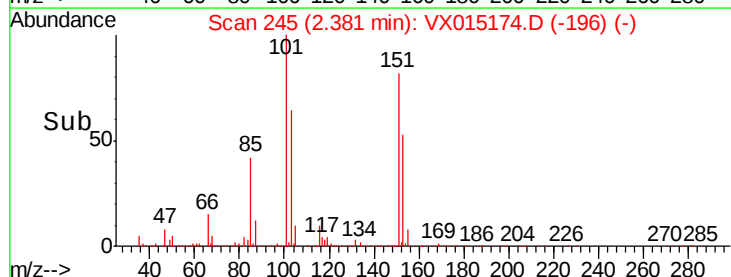
2.38

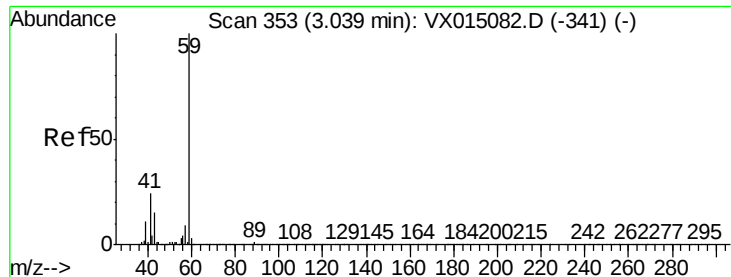
100000

50000

0

Time-->



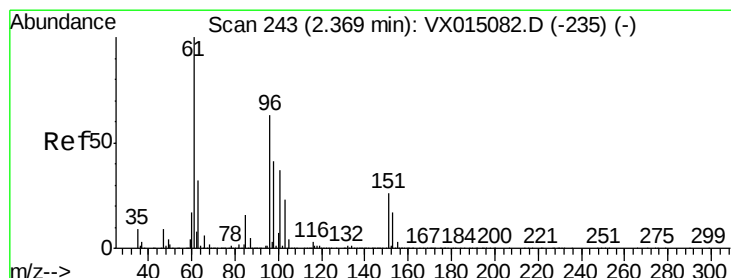
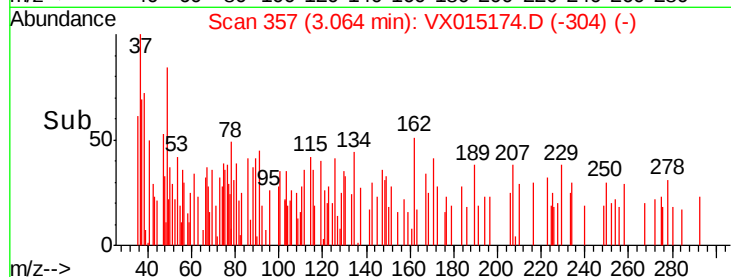
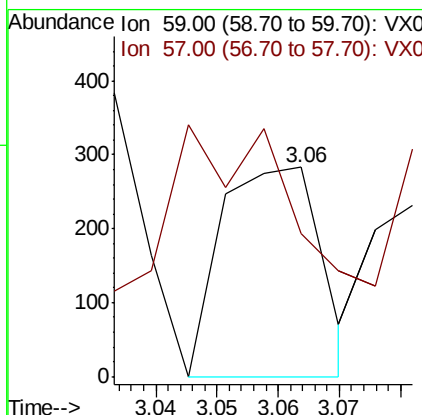
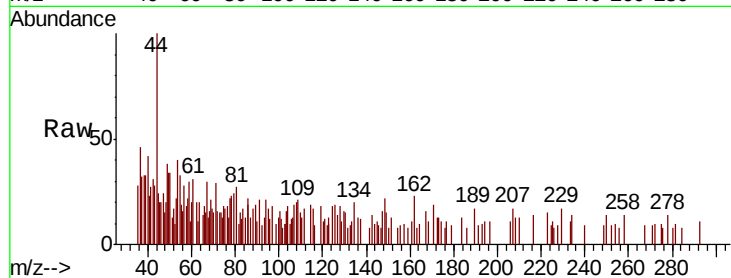


#11

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 :

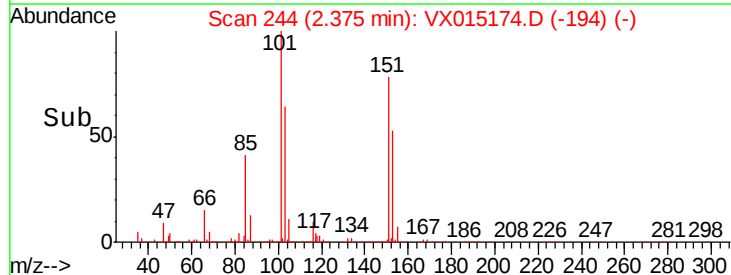
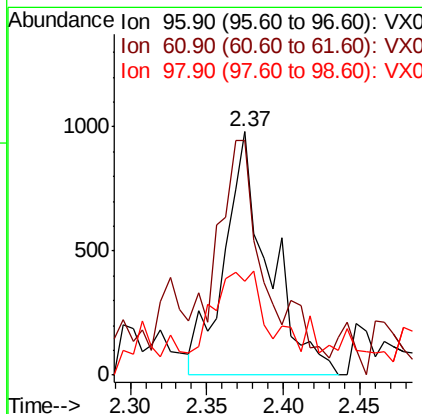
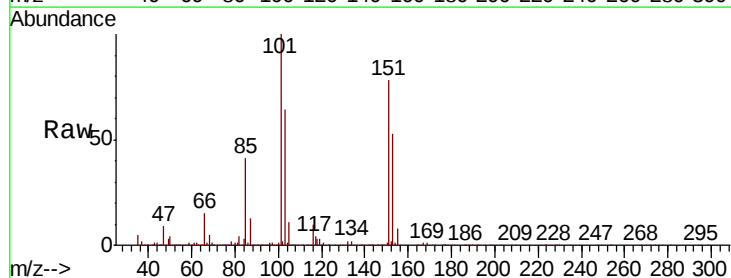
Tot Ion: 59 Resp: 320
 Ion Ratio Lower Upper
 59 100
 57 82.5 8.2 12.4#

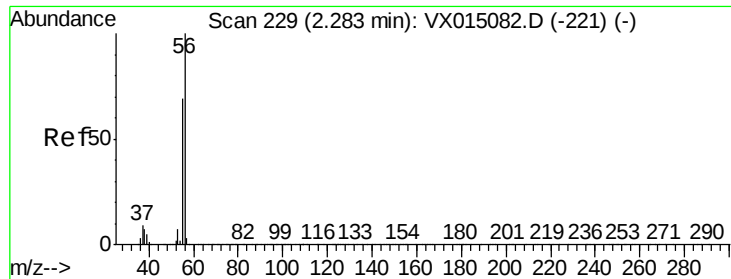


#12

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#

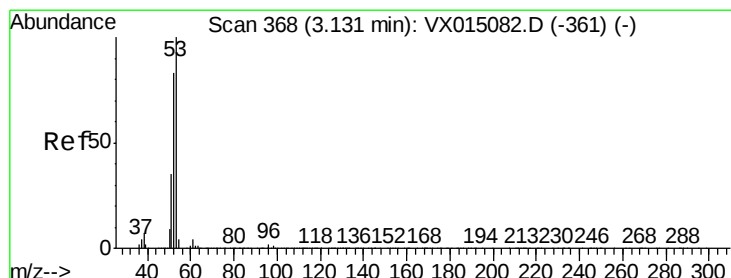
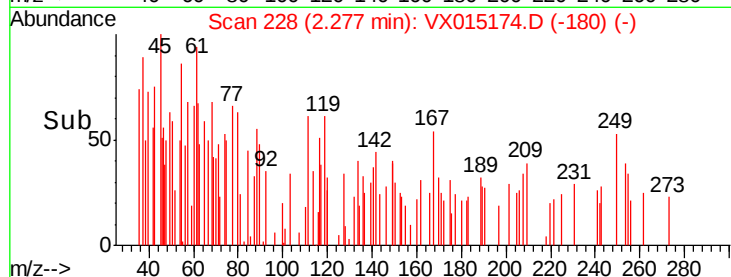
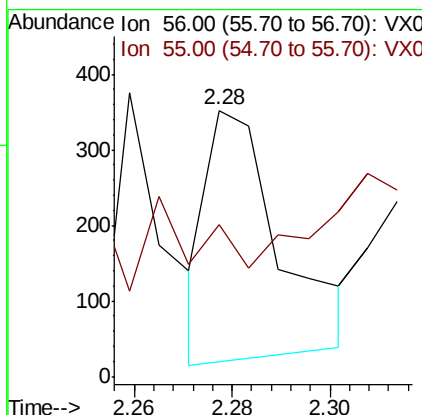
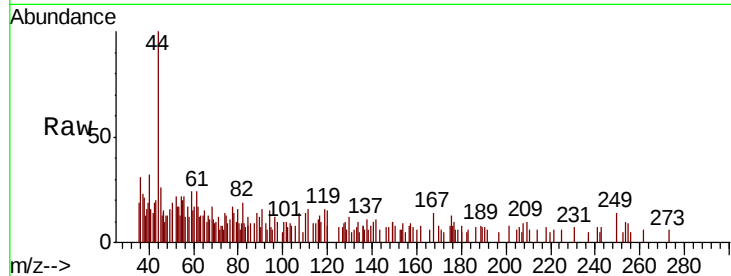




#13
Acrolein
Concen: 0.527 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX015174.D
Acq: 10 Mar 2020 16:27

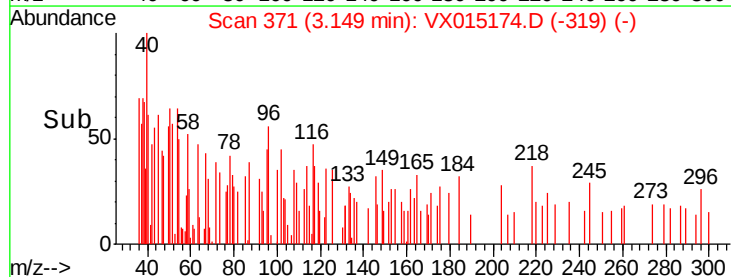
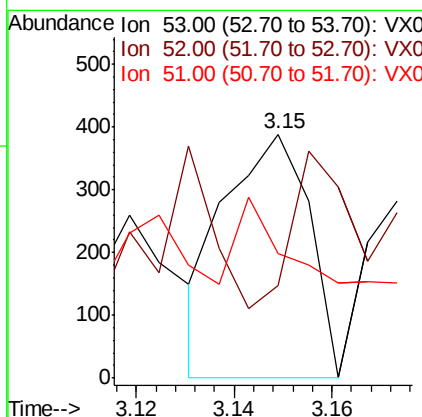
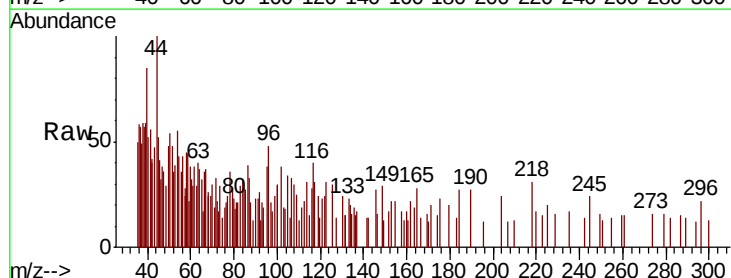
Instrument :
MSVOA_X
ClientSampled :

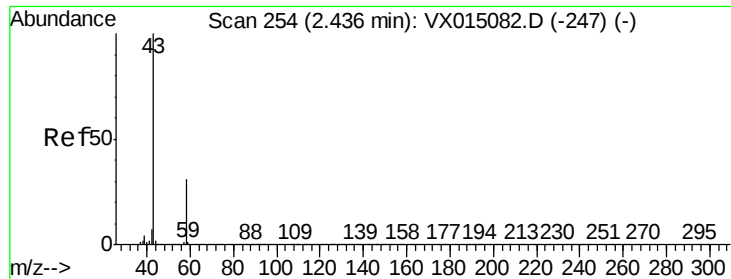
Tot Ion: 56 Resp: 343
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#



#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

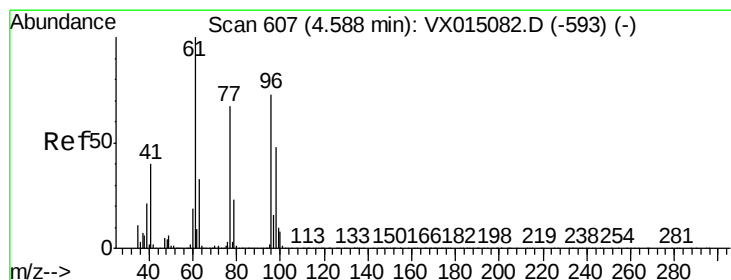
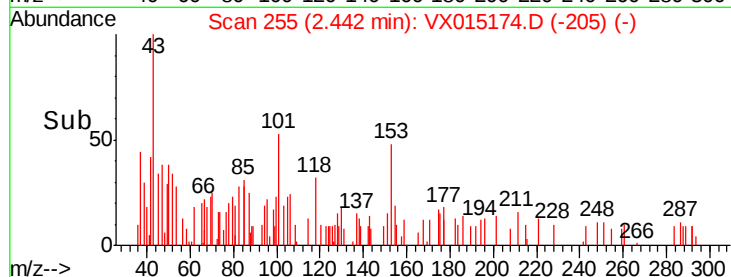
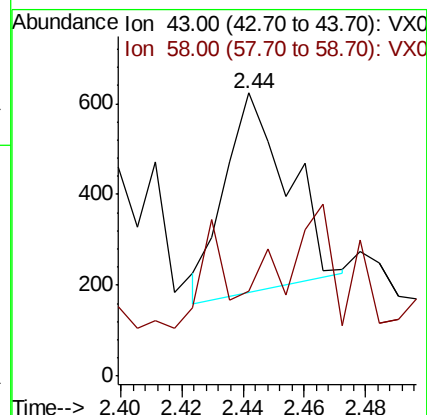
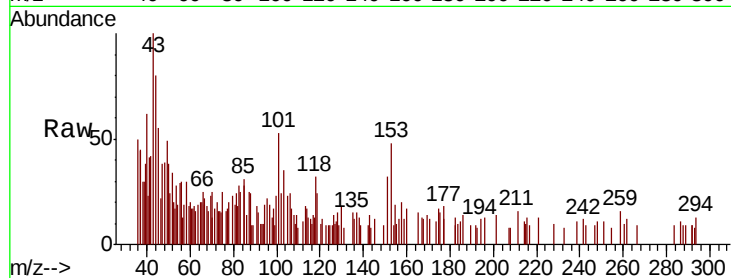
ClientSampleId :

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

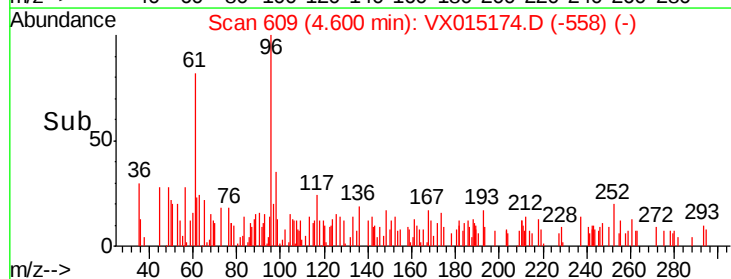
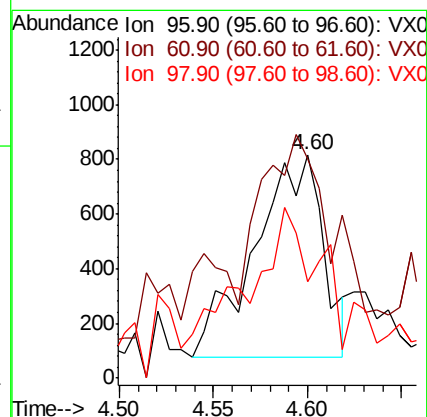
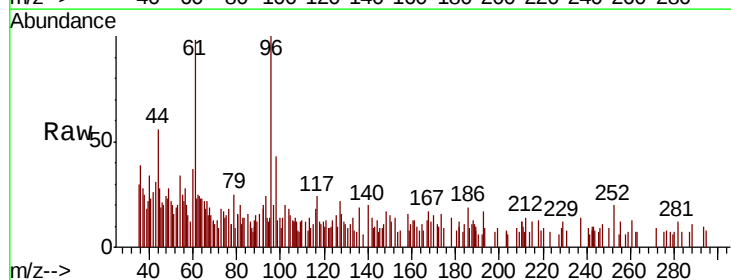
Tgt Ion: 96 Resp: 1875

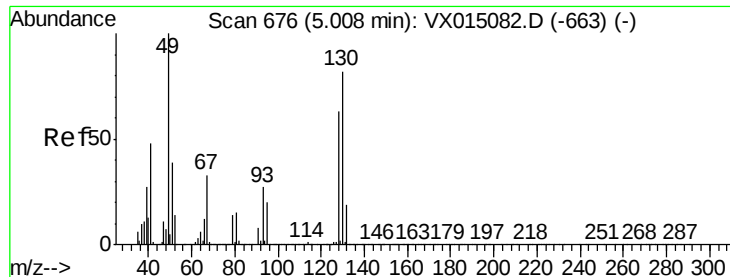
Ion Ratio Lower Upper

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 :

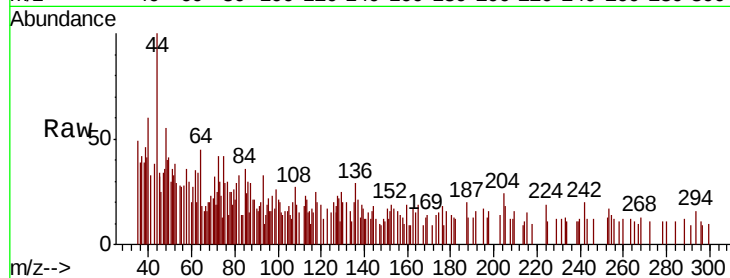
Tot Ion: 49 Resp: 918

Ion Ratio Lower Upper

49 100

129 10.6 0.0 4.4#

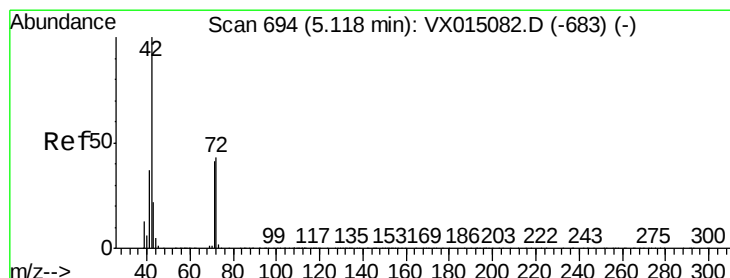
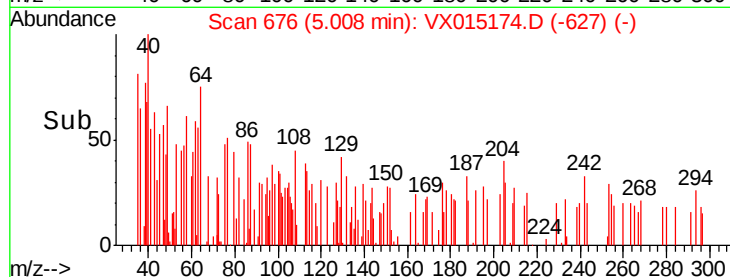
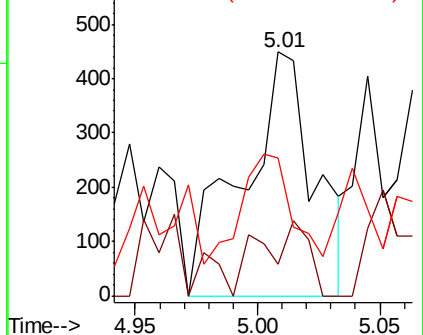
130 32.7 65.0 97.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#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

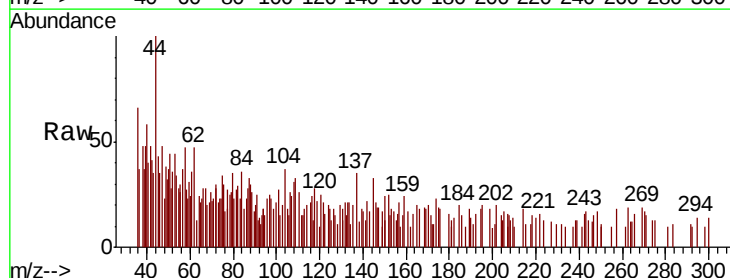
Tgt Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

72 188.6 36.4 54.6#

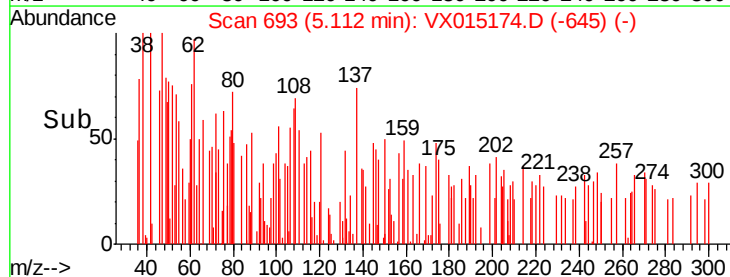
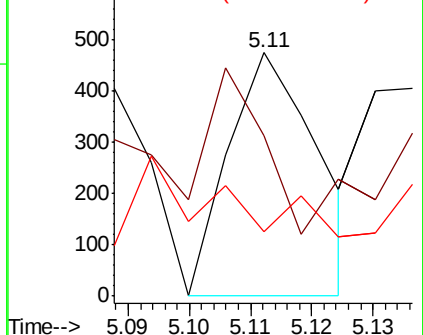
71 0.0 33.3 49.9#

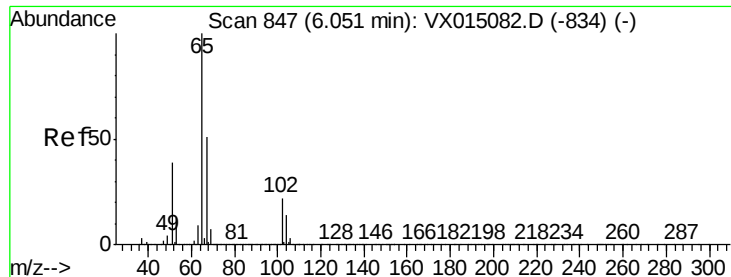


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#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

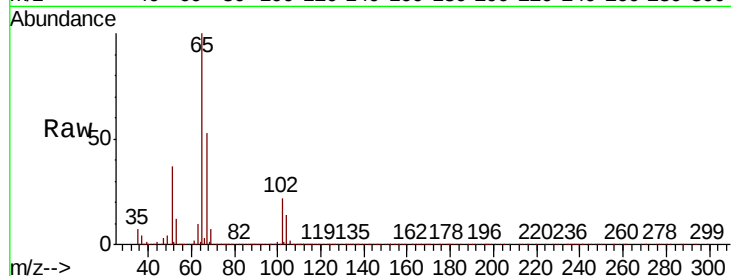
ClientSampleId :

Tot Ion: 65 Resp: 211015

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

80000

60000

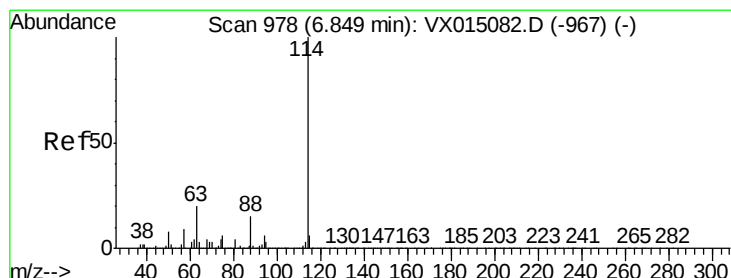
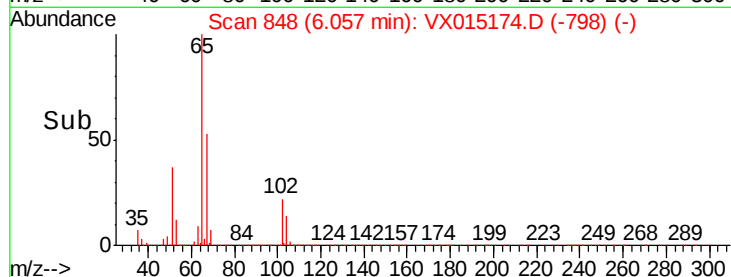
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#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

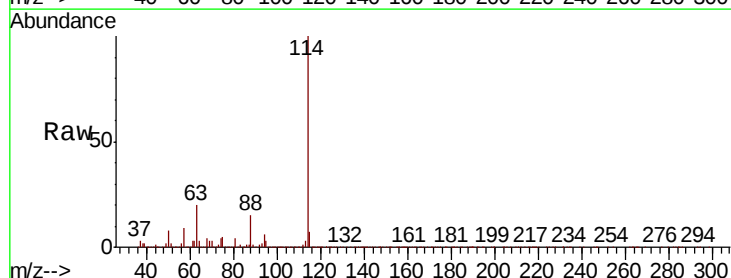
Tgt Ion: 114 Resp: 551470

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.4 0.0 30.6



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

6.85

300000

250000

200000

150000

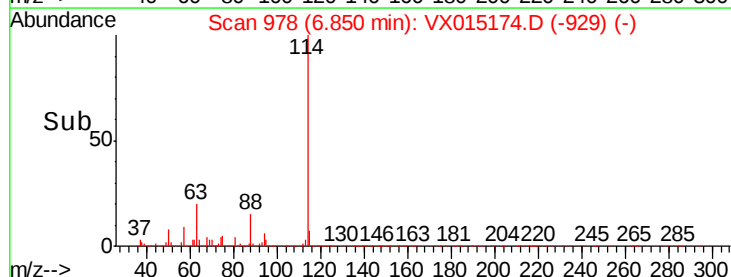
100000

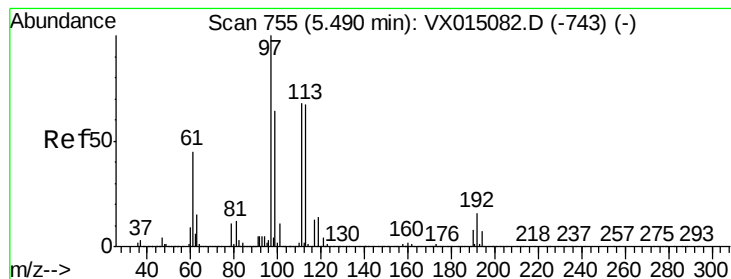
50000

0

Time-->

6.70 6.80 6.90 7.00





#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 :

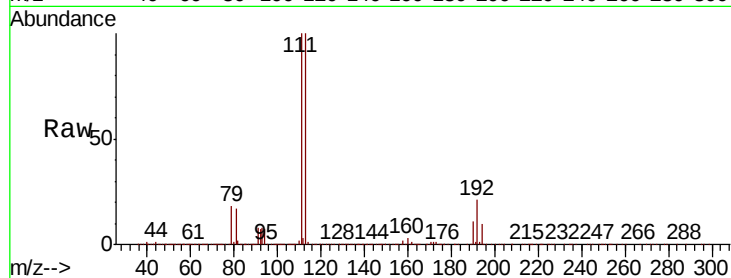
Tot Ion:113 Resp: 173835

Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

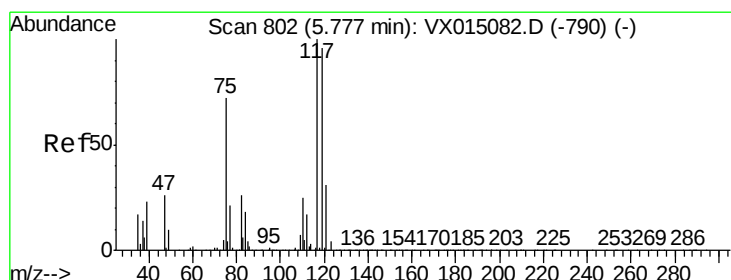
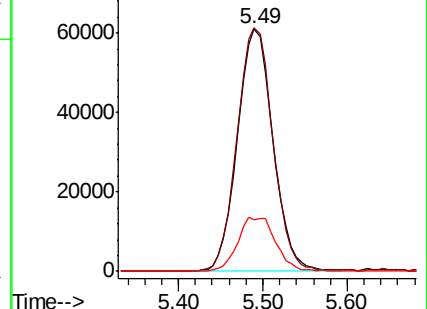
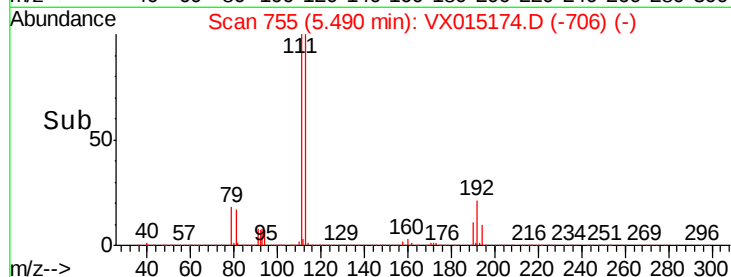
192 23.9 18.6 28.0



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



#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

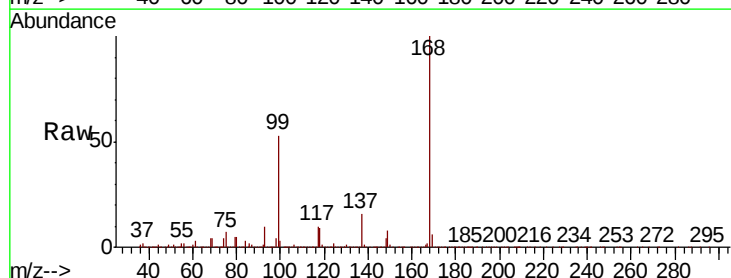
Tgt Ion:117 Resp: 30186

Ion Ratio Lower Upper

117 100

119 5.6 76.9 115.3#

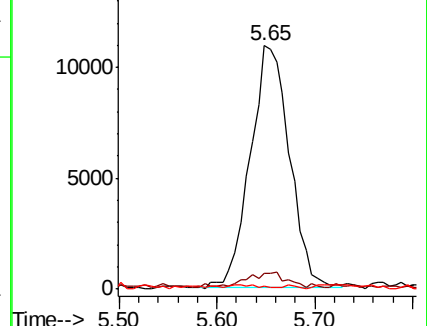
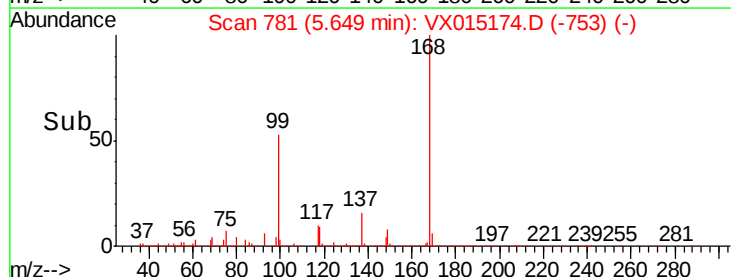
121 0.4 24.6 37.0#

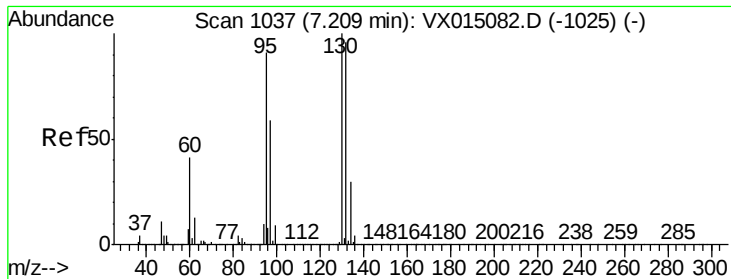


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 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

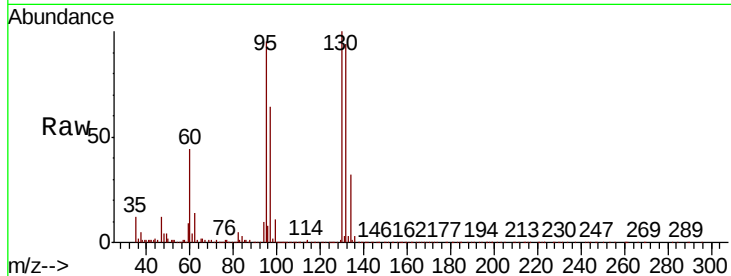
ClientSampled :

Tot Ion:130 Resp: 75066

Ion Ratio Lower Upper

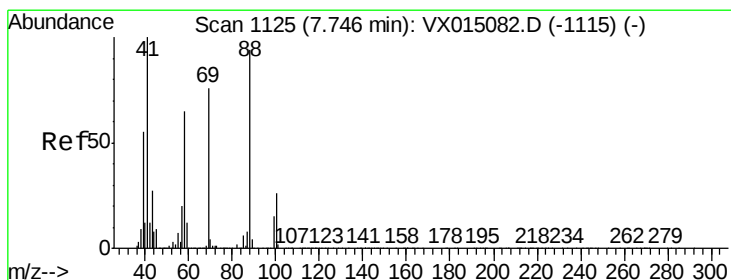
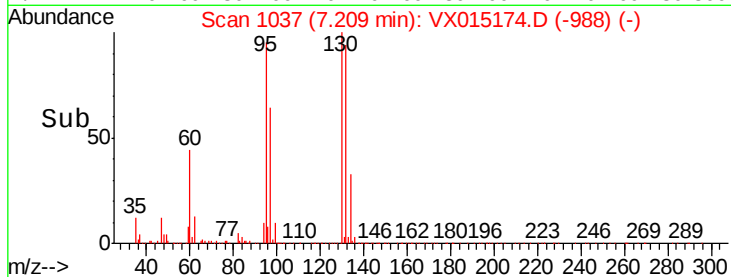
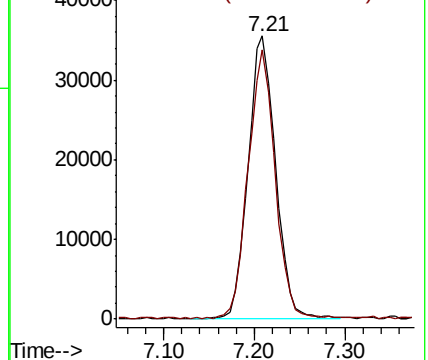
130 100

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



#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

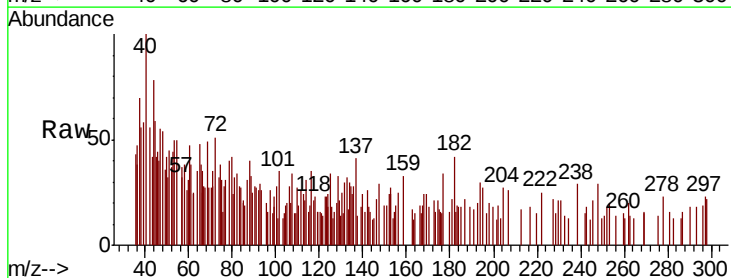
Tgt Ion: 88 Resp: 471

Ion Ratio Lower Upper

88 100

43 79.6 27.0 40.4#

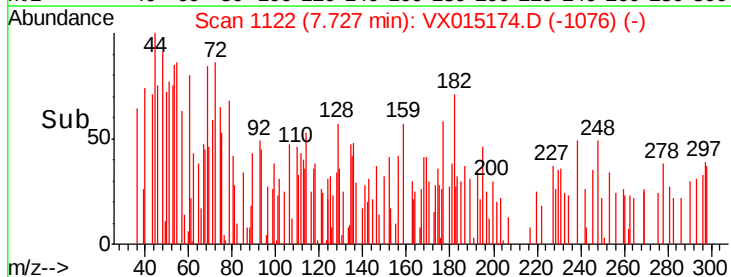
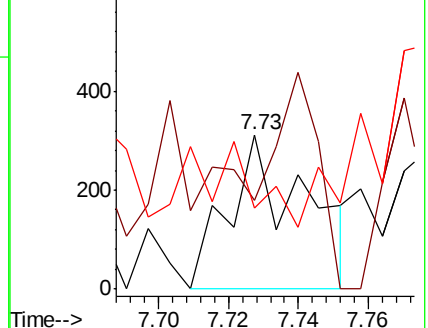
58 0.0 55.6 83.4#

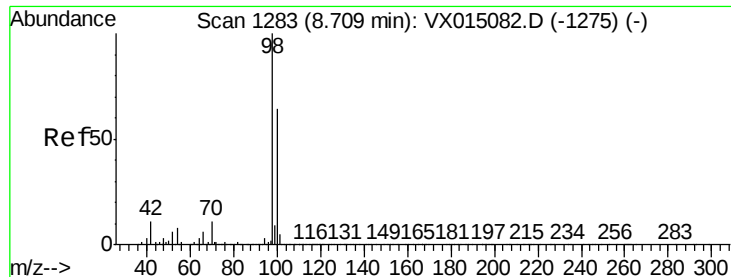


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#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

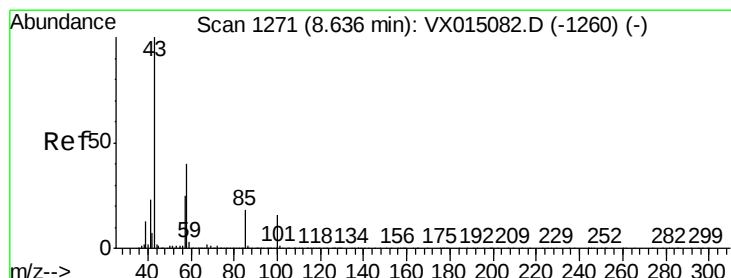
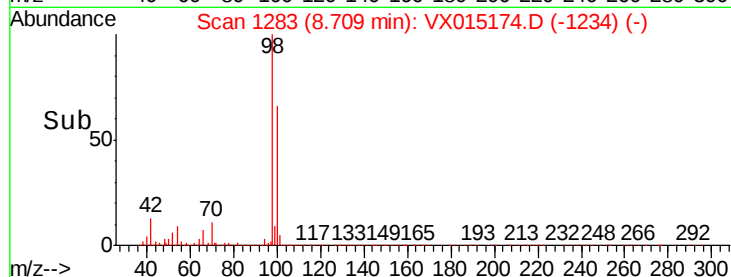
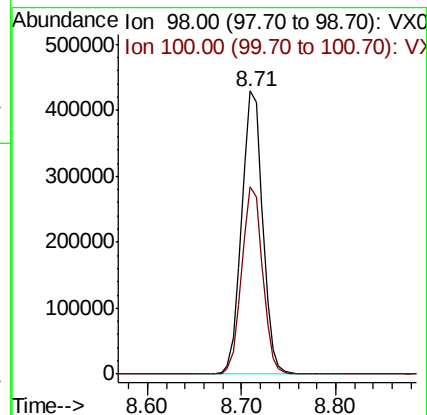
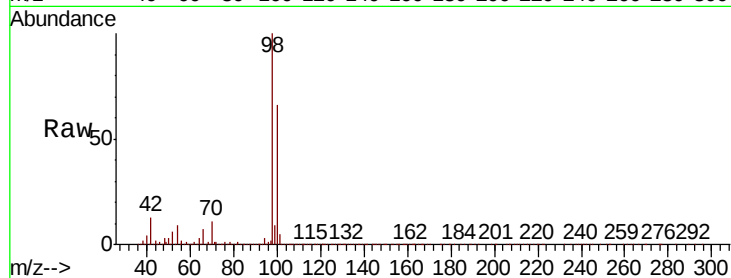
ClientSampleId :

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

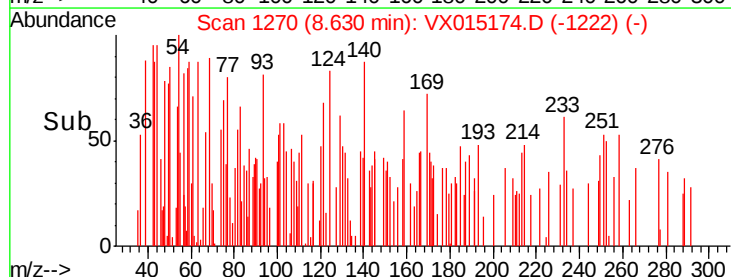
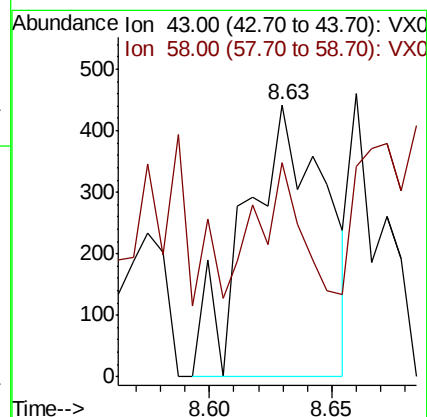
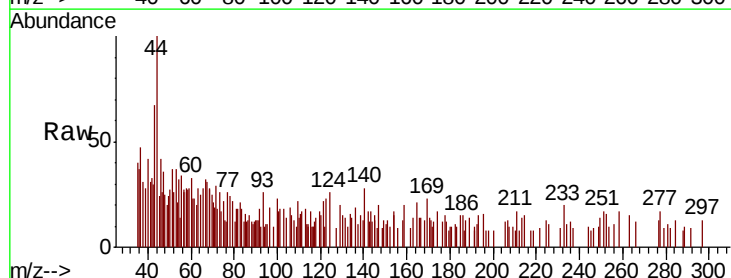
Acq: 10 Mar 2020 16:27

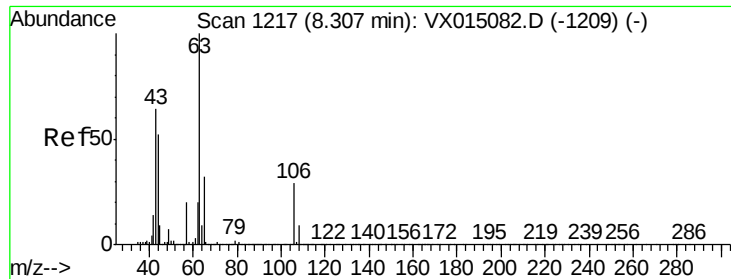
Tgt Ion: 43 Resp: 984

Ion Ratio Lower Upper

43 100

58 26.7 31.6 47.4#

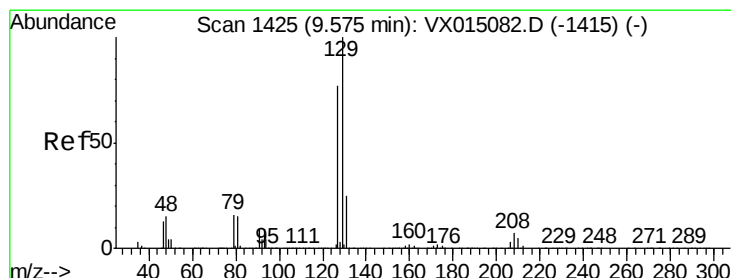
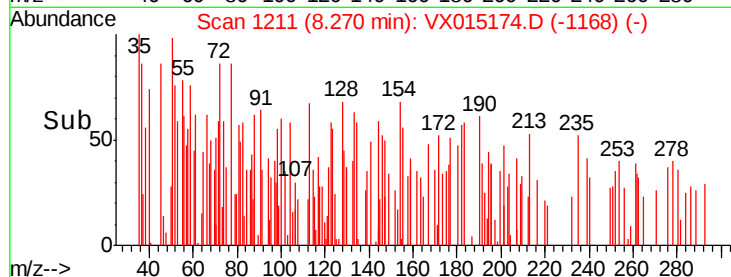
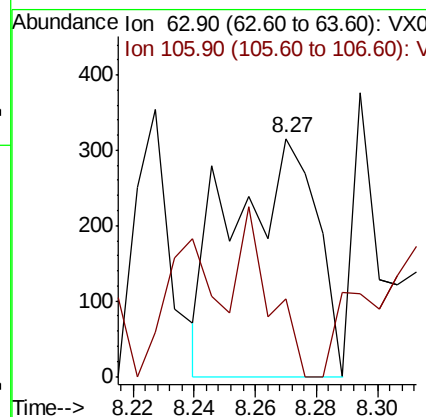
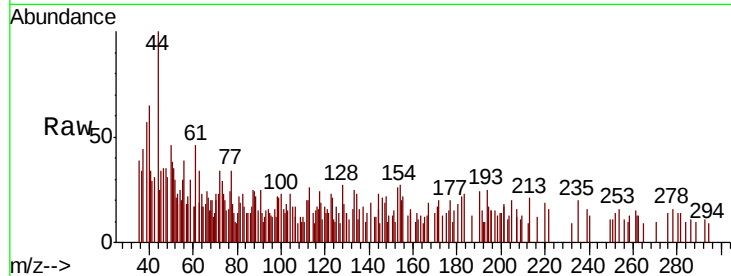




#58
2-Chloroethyl Vinyl ether
Concen: 0.205 ug/l
RT: 8.27 min Scan# 1211
Delta R.T. -0.04 min
Lab File: VX015174.D
Acq: 10 Mar 2020 16:27

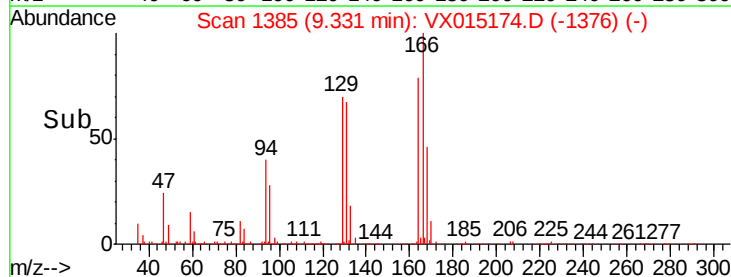
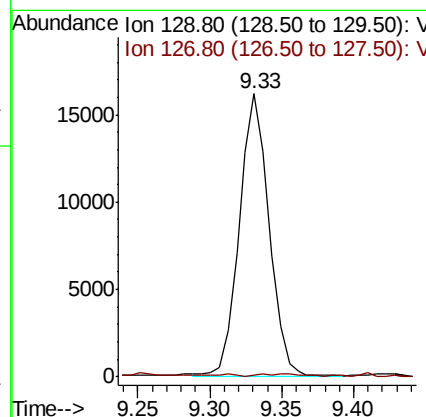
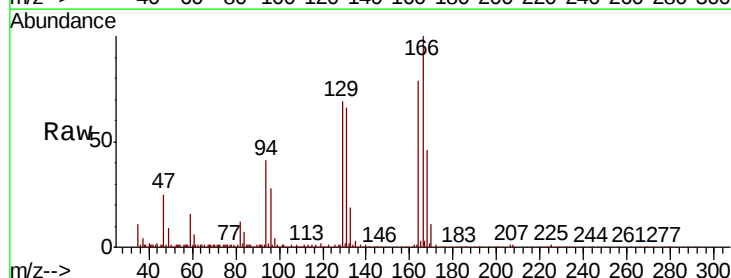
Instrument :
MSVOA_X
ClientSampled :

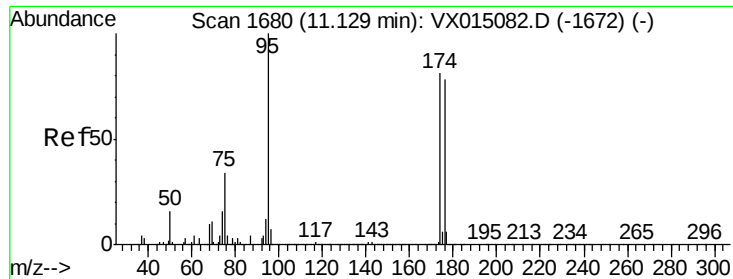
Tot Ion: 63 Resp: 605
Ion Ratio Lower Upper
63 100
106 24.6 22.8 34.2



#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#

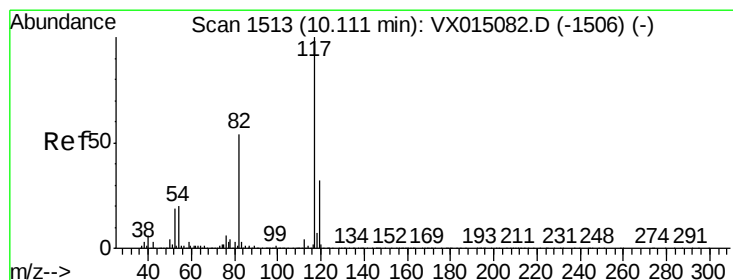
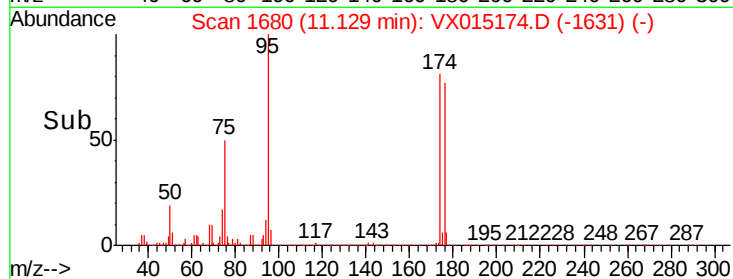
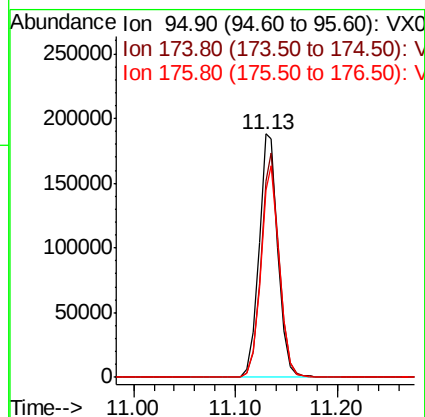
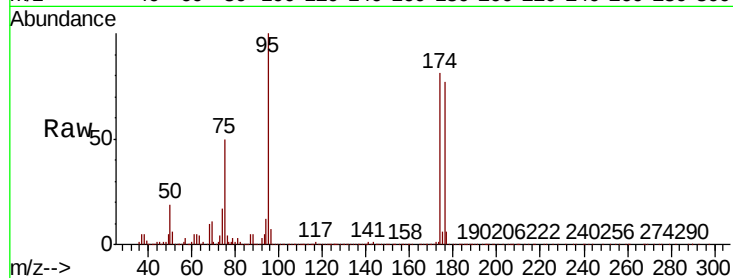




#62
4-Bromofluorobenzene
Concen: 51.917 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015174.D
Acq: 10 Mar 2020 16:27

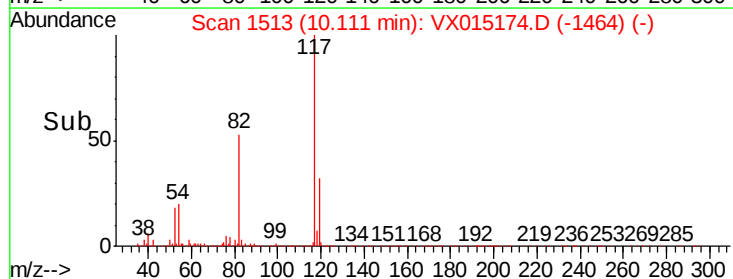
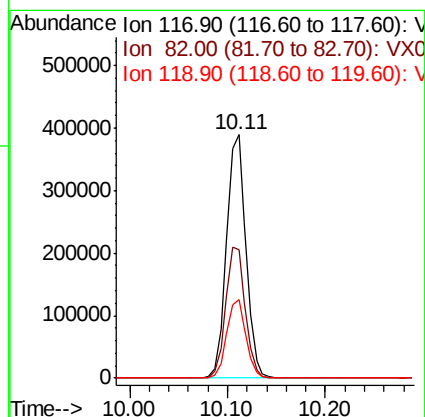
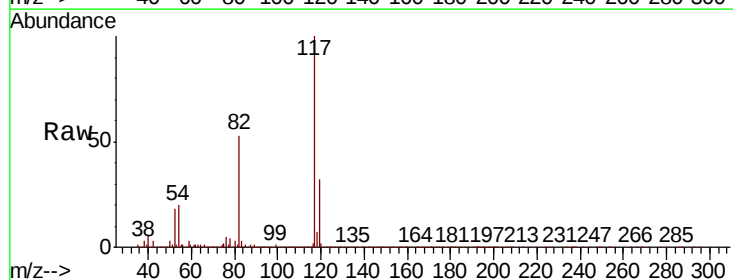
Instrument :
MSVOA_X
ClientSampleId :

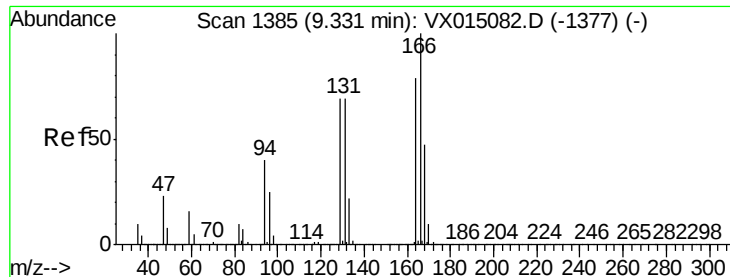
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	177.6
176	85.3	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015174.D
Acq: 10 Mar 2020 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.3	64.9
119	32.0	25.8	38.8





#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

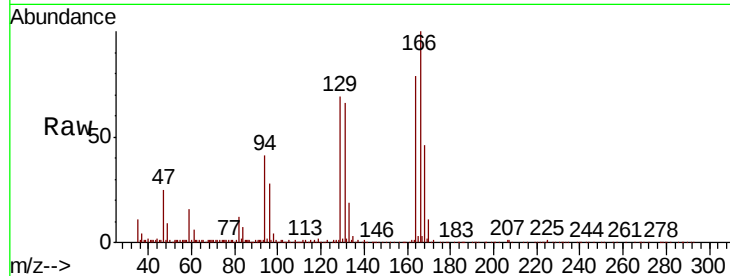
Ion Ratio Lower Upper

164 100

166 127.0 101.1 151.7

129 88.0 69.4 104.0

131 83.7 69.8 104.8

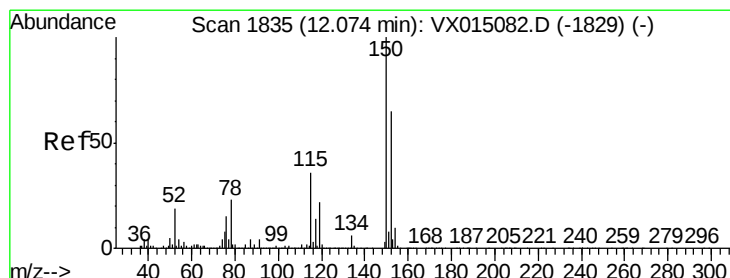
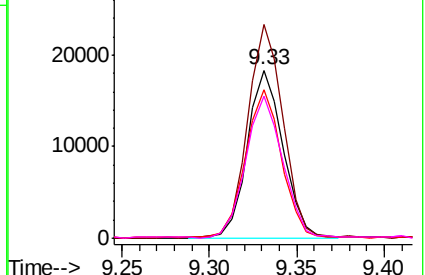
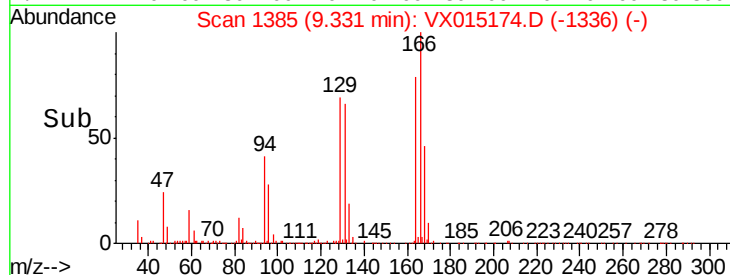


Abundance Ion 163.80 (163.50 to 164.50): V

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

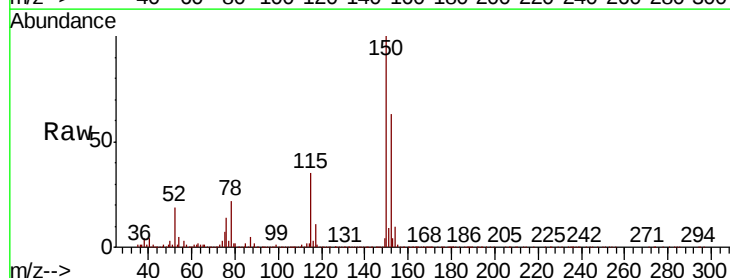
Tgt Ion:152 Resp: 270662

Ion Ratio Lower Upper

152 100

115 55.0 38.2 114.6

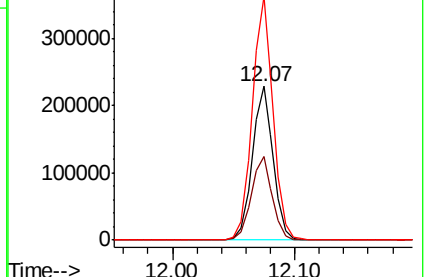
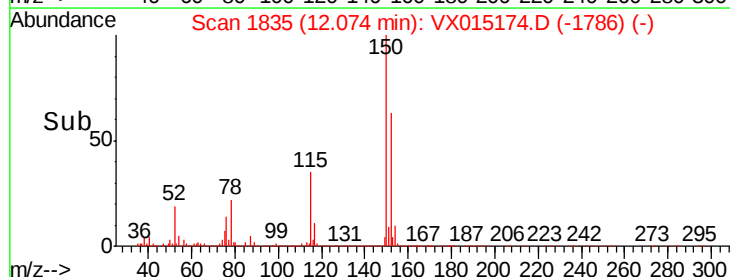
150 158.1 0.0 343.8

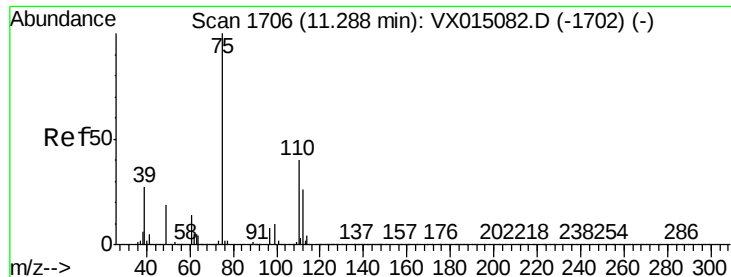


Abundance Ion 151.90 (151.60 to 152.60): V

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

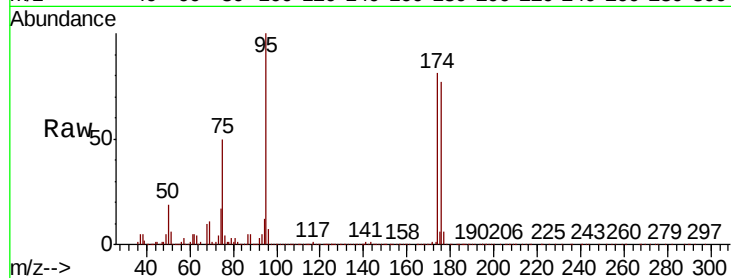
ClientSampleId :

Tot Ion: 75 Resp: 119767

Ion Ratio Lower Upper

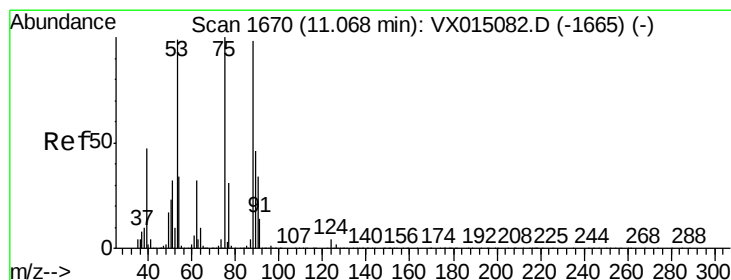
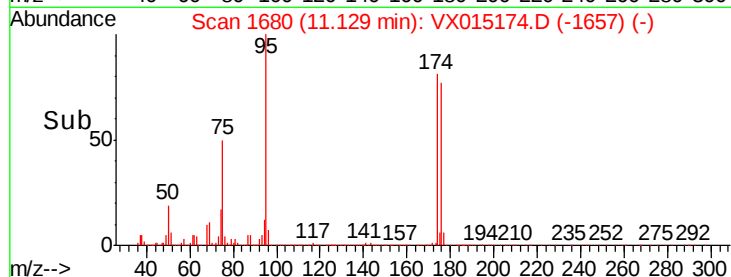
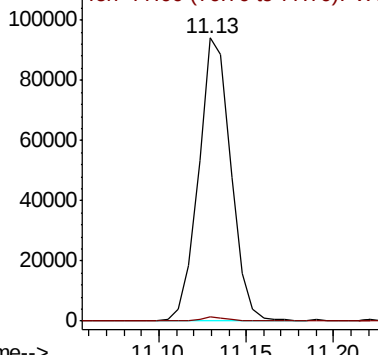
75 100

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

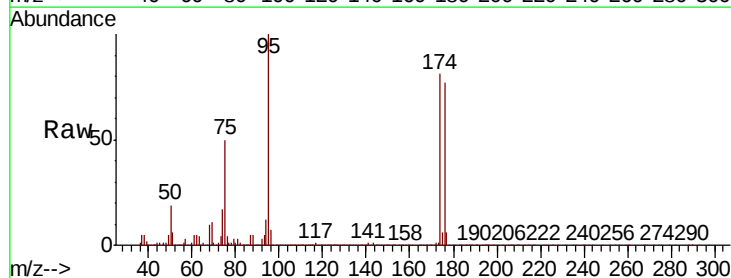
Tgt Ion: 75 Resp: 119767

Ion Ratio Lower Upper

75 100

53 0.2 77.9 116.9#

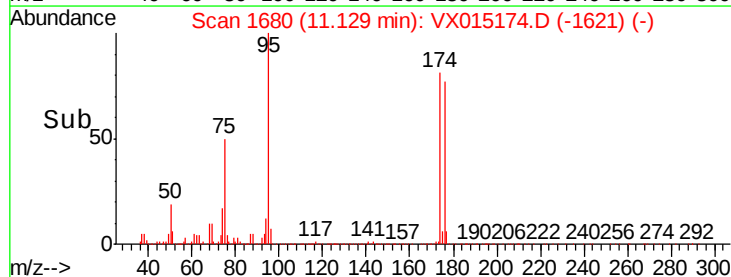
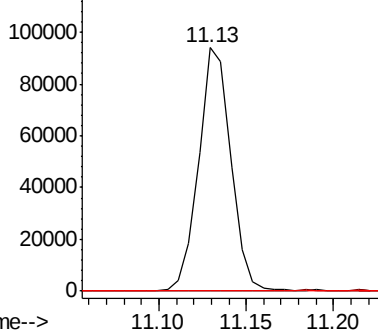
89 0.3 36.2 54.2#

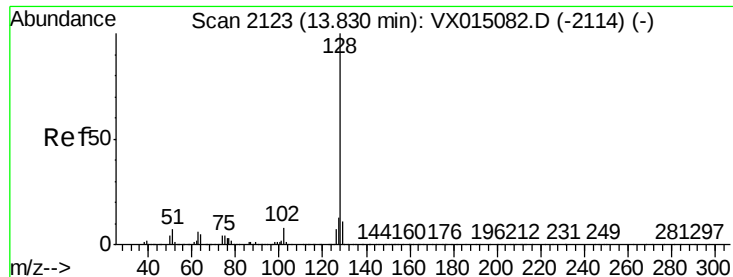


Abundance Ion 74.90 (74.60 to 75.60): VX0

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#

