

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012120\
 Data File : VX014674.D
 Acq On : 21 Jan 2020 10:12
 Operator : JC/SP
 Sample : VX0121WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 22 04:22:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	419299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	656020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	589641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	258405	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	247439	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
35) Dibromofluoromethane	5.48	113	201281	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	8.71	98	769417	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	258036	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

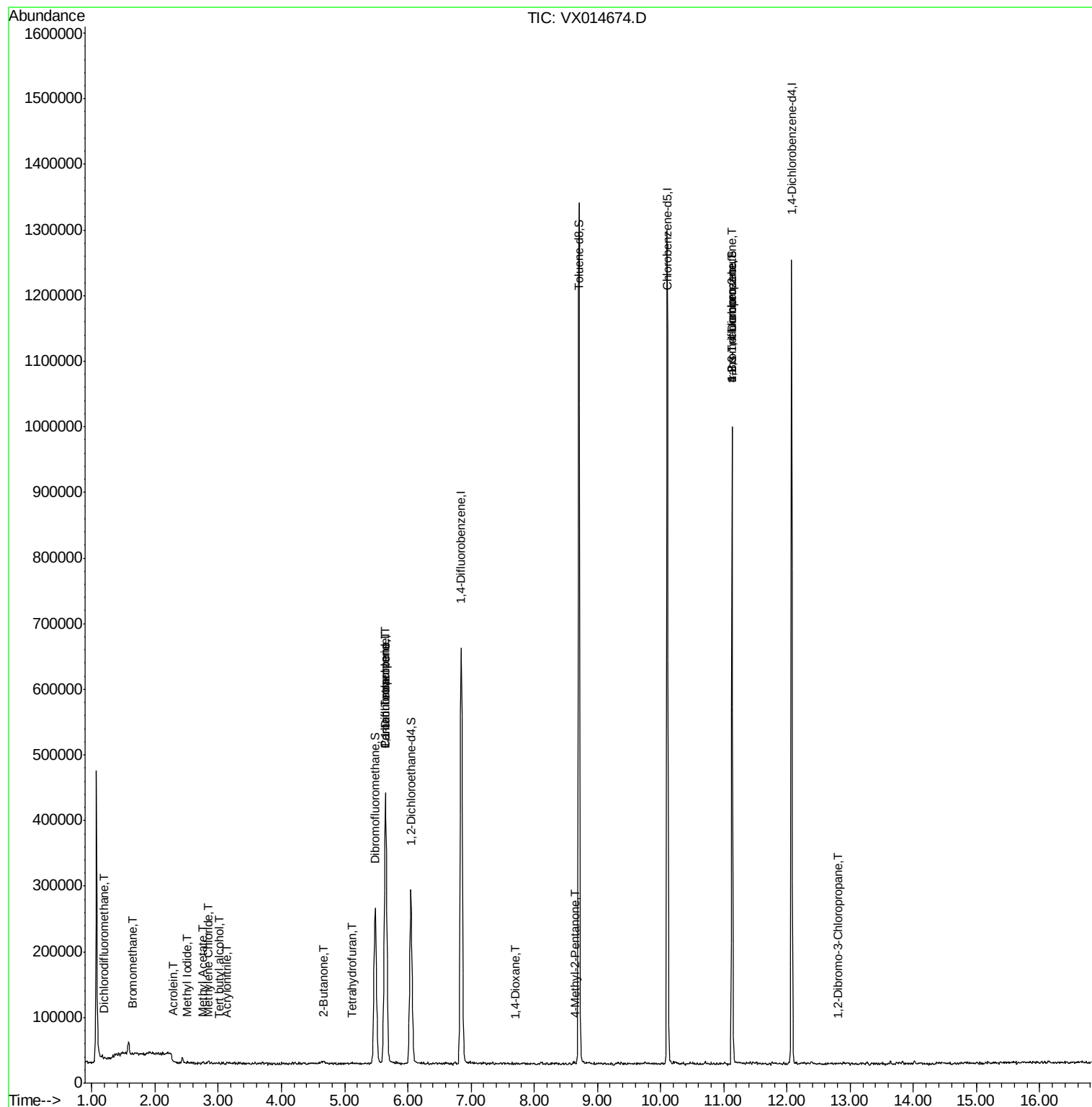
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	232	0.297	ug/l	74
5) Bromomethane	1.65	94	2182	0.553	ug/l	92
6) Chloroethane	1.70	64	101	Below Cal	#	43
10) Methyl Iodide	2.51	142	1603	0.326	ug/l #	39
11) Tert butyl alcohol	3.03	59	391	0.400	ug/l #	72
13) Acrolein	2.29	56	284	0.363	ug/l #	65
15) Acrylonitrile	3.14	53	968	0.410	ug/l #	68
18) Methyl Acetate	2.76	43	1517	0.225	ug/l #	77
20) Methylene Chloride	2.84	84	2412	0.512	ug/l #	78
25) 2-Butanone	4.66	43	1274	0.364	ug/l	94
29) Tetrahydrofuran	5.12	42	1139	0.551	ug/l #	74
36) 1,1-Dichloropropene	5.65	75	28894	4.684	ug/l #	51
38) Carbon Tetrachloride	5.65	117	36814	6.485	ug/l #	18
49) 1,4-Dioxane	7.70	88	77	0.701	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1987	0.301	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	125510	23.475	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	125510	62.065	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	1313	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	12.81	75	271	0.207	ug/l	88
96) 1,2,3-Trichlorobenzene	14.16	180	193	Below Cal		64

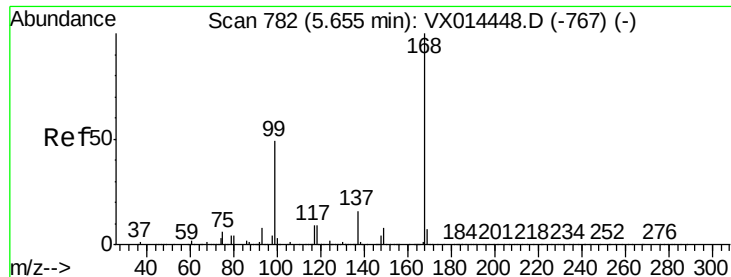
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
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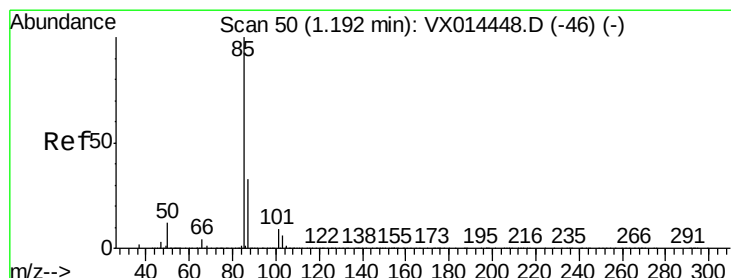
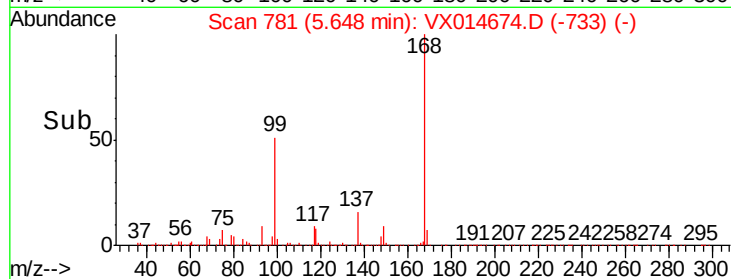
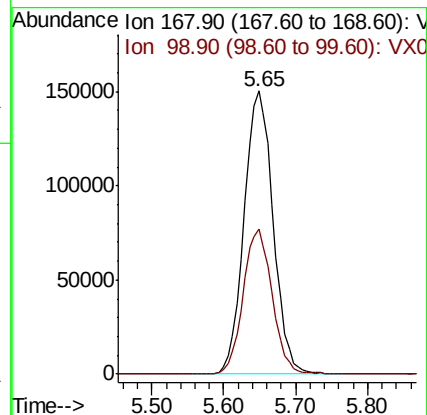
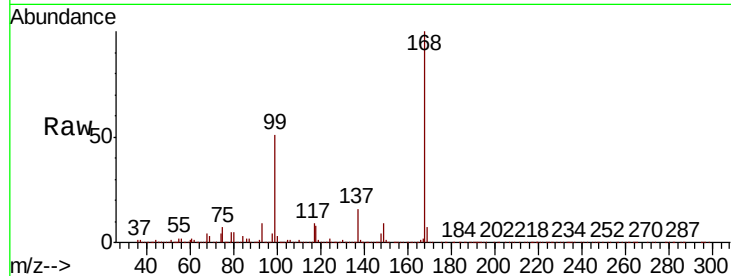


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: VX014674.D
 Acq: 21 Jan 2020 10:12

Instrument :
 MSVOA_X
 ClientSampleId :

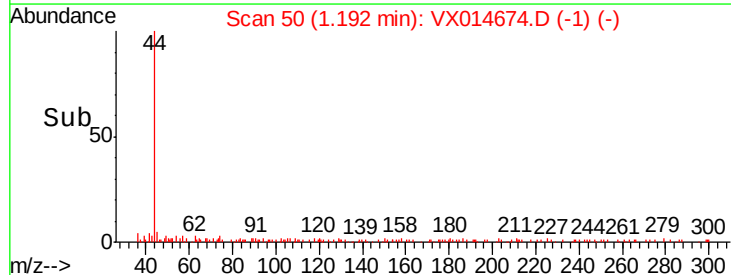
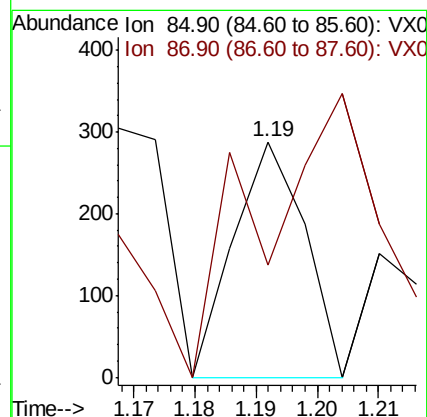
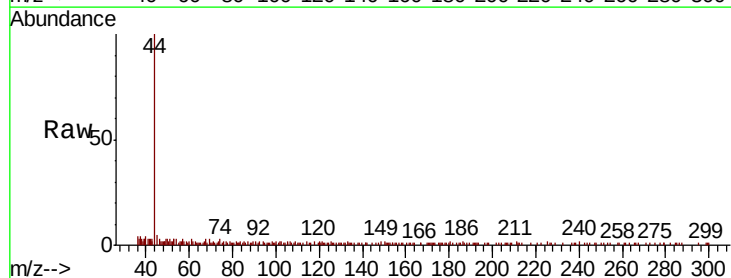
Tot Ion:168 Resp: 419299
 Ion Ratio Lower Upper
 168 100
 99 51.1 39.2 58.8

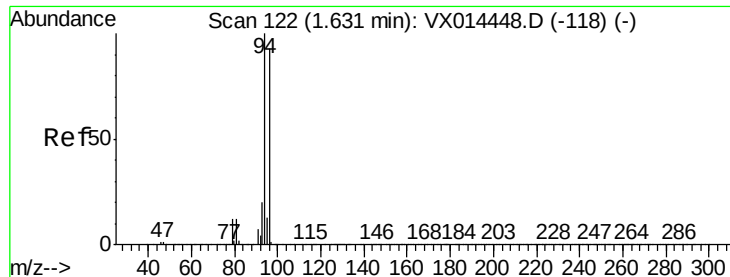


#2

Dichlorodifluoromethane
 Concen: 0.297 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014674.D
 Acq: 21 Jan 2020 10:12

Tgt Ion: 85 Resp: 232
 Ion Ratio Lower Upper
 85 100
 87 47.6 16.5 49.5





#5

Bromomethane

Concen: 0.553 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

Instrument :

MSVOA_X

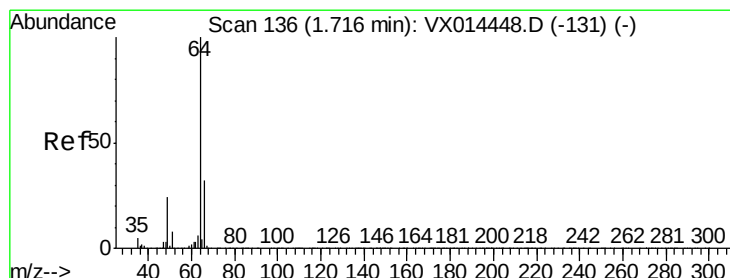
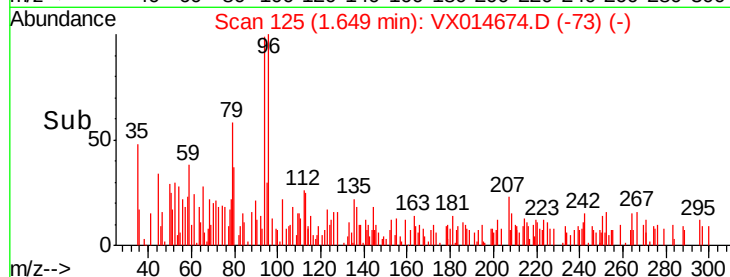
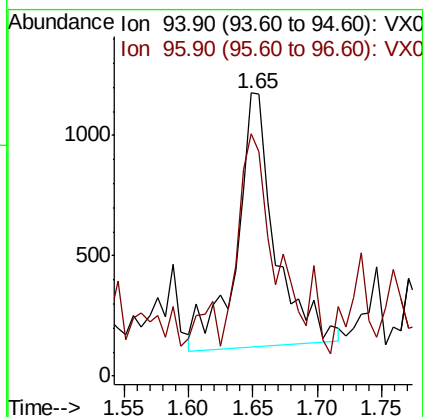
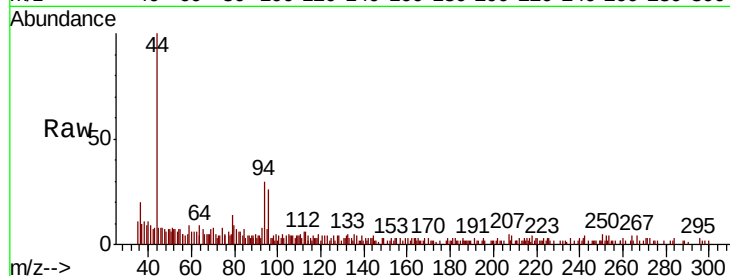
ClientSampleId :

Tot Ion: 94 Resp: 2182

Ion Ratio Lower Upper

94 100

96 85.0 74.2 111.2



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 133

Delta R.T. -0.02 min

Lab File: VX014674.D

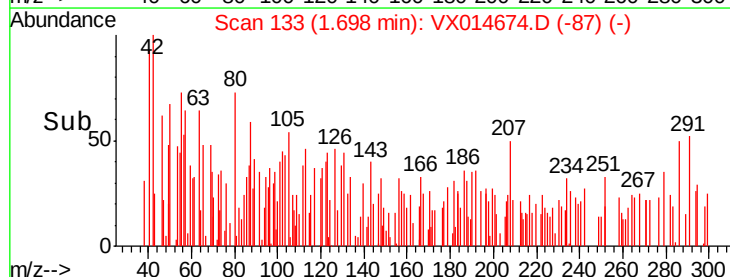
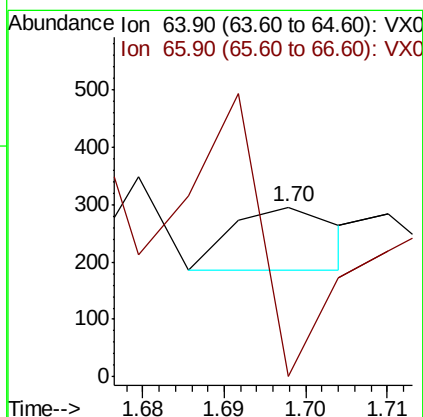
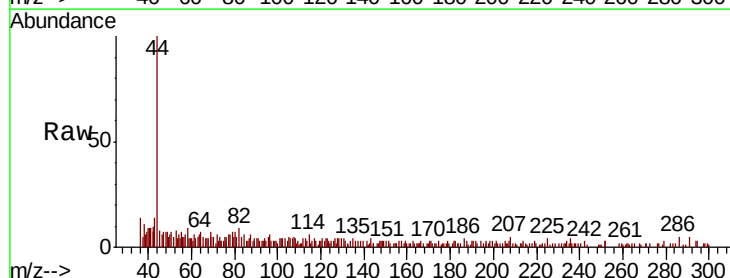
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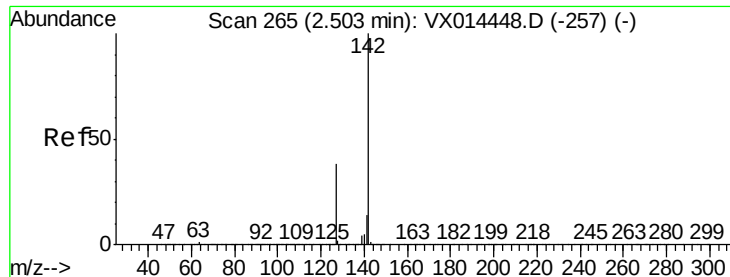
Tgt Ion: 64 Resp: 101

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

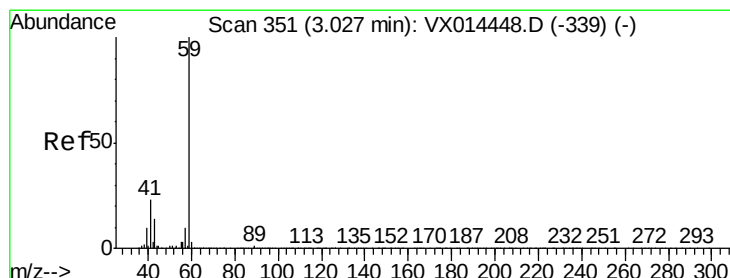
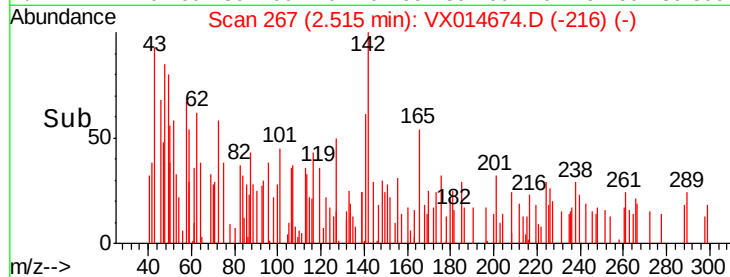
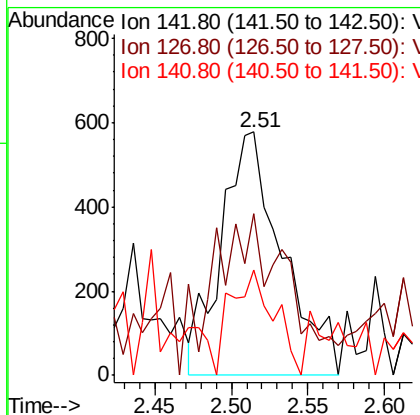
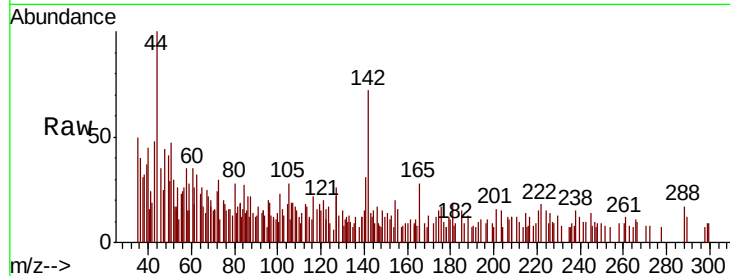




#10
Methvl Iodide
Concen: 0.326 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014674.D
Acq: 21 Jan 2020 10:12

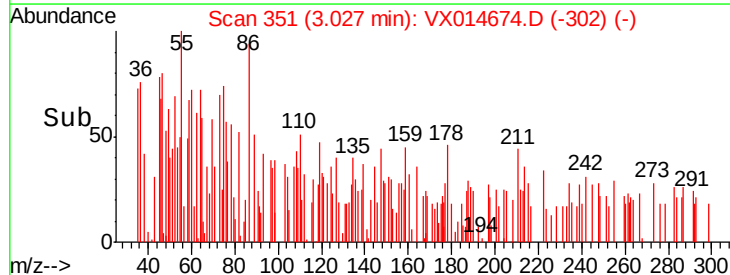
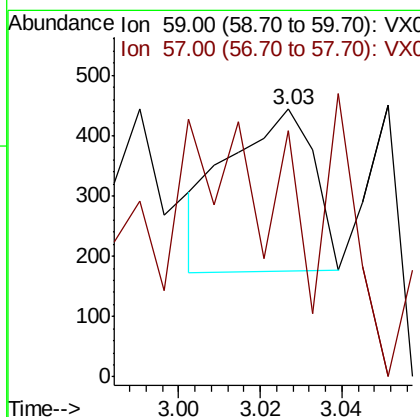
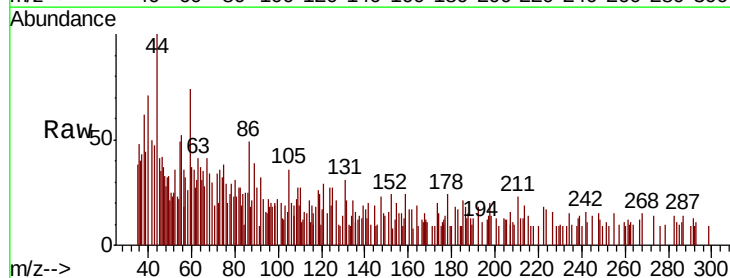
Instrument :
MSVOA_X
ClientSampleId :

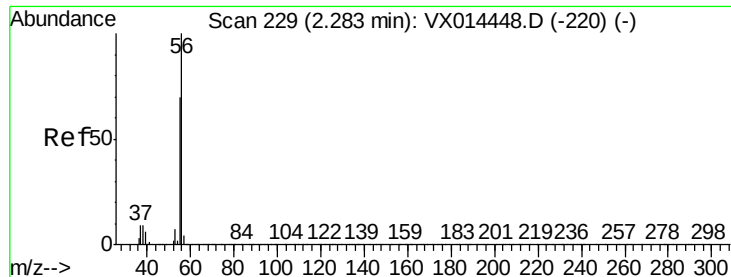
Tot Ion:142 Resp: 1603
Ion Ratio Lower Upper
142 100
127 80.7 31.2 46.8#
141 30.6 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.400 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014674.D
Acq: 21 Jan 2020 10:12

Tgt Ion: 59 Resp: 391
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

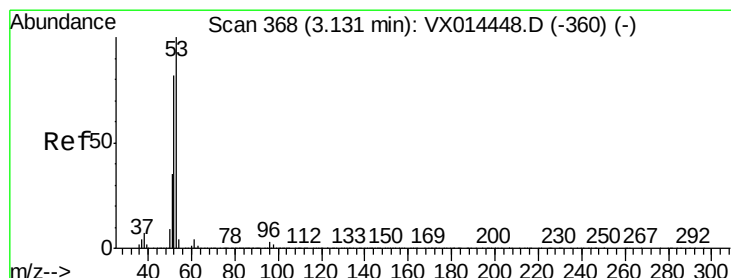
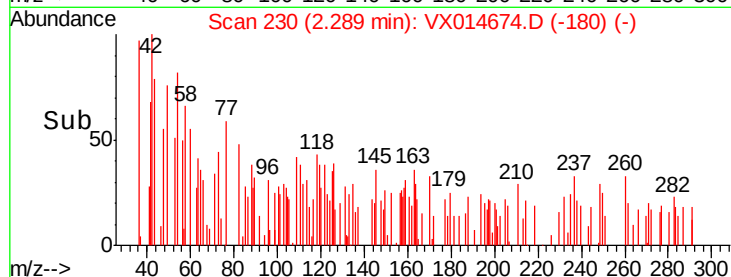
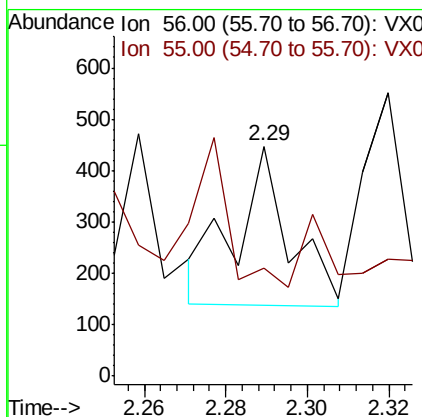
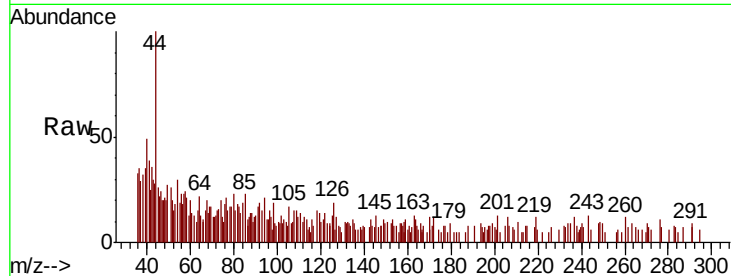




#13
Acrolein
Concen: 0.363 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014674.D
Acq: 21 Jan 2020 10:12

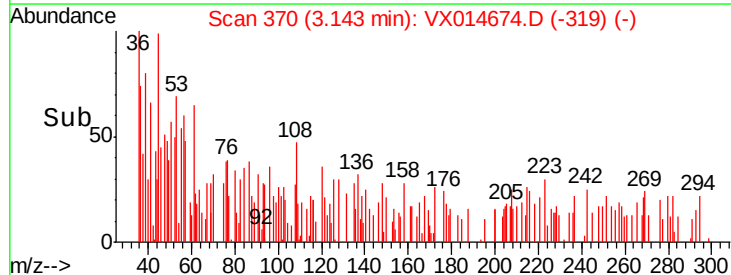
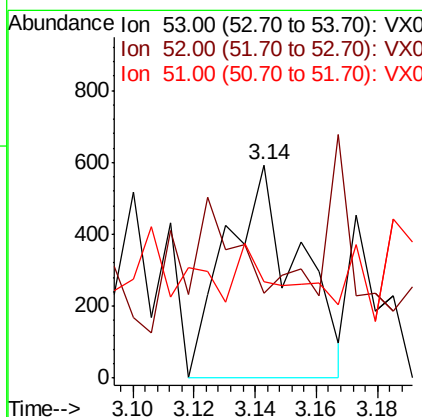
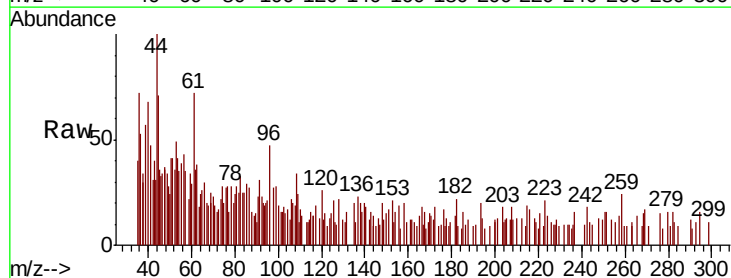
Instrument :
MSVOA_X
ClientSampled :

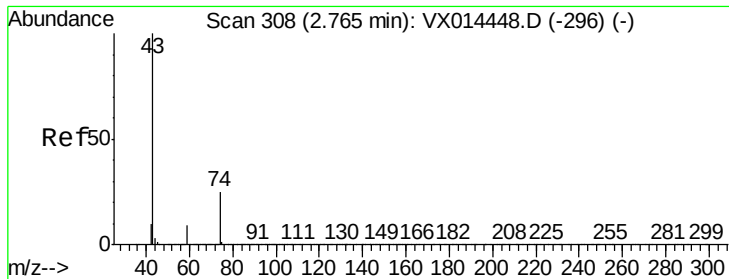
Tot Ion: 56 Resp: 284
Ion Ratio Lower Upper
56 100
55 97.2 55.0 82.6#



#15
Acrylonitrile
Concen: 0.410 ug/l
RT: 3.14 min Scan# 370
Delta R.T. 0.01 min
Lab File: VX014674.D
Acq: 21 Jan 2020 10:12

Tgt Ion: 53 Resp: 968
Ion Ratio Lower Upper
53 100
52 66.4 67.0 100.4#
51 0.0 28.5 42.7#

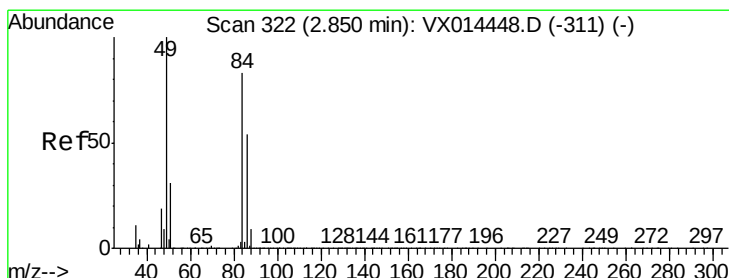
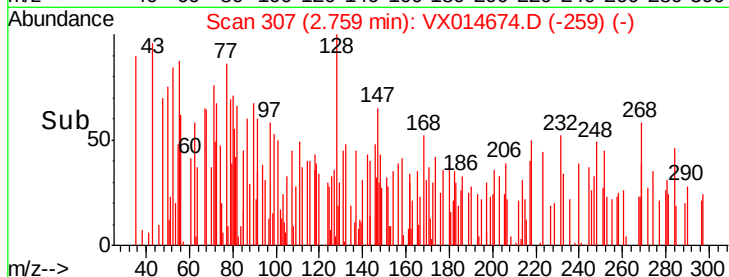
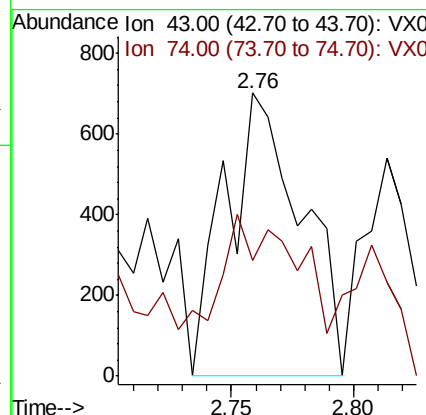
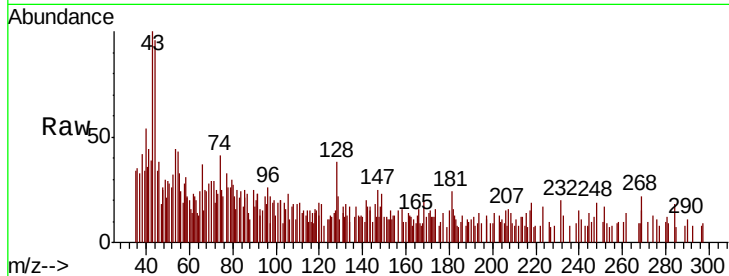




#18
Methyl Acetate
Concen: 0.225 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014674.D
Acq: 21 Jan 2020 10:12

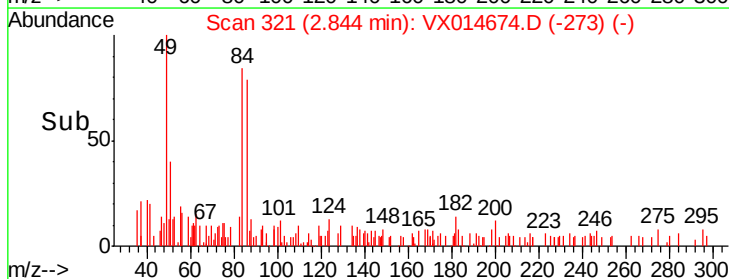
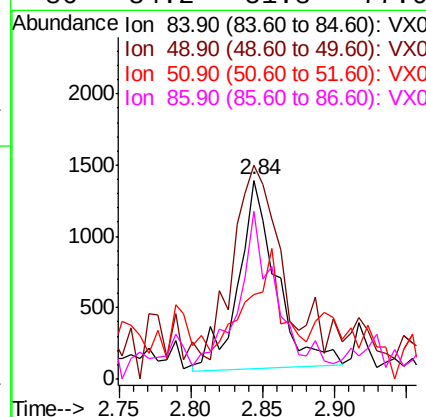
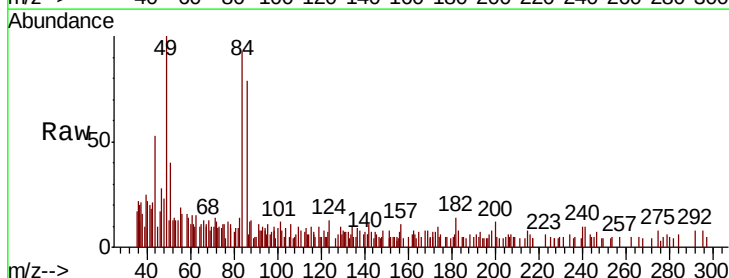
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MSVOA_X
ClientSampled :

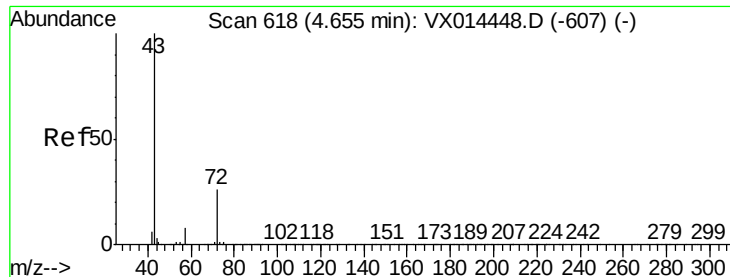
Tot Ion: 43 Resp: 1517
Ion Ratio Lower Upper
43 100
74 35.7 19.4 29.2#



#20
Methylene Chloride
Concen: 0.512 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014674.D
Acq: 21 Jan 2020 10:12

Tgt Ion: 84 Resp: 2412
Ion Ratio Lower Upper
84 100
49 96.0 95.8 143.8
51 28.2 30.2 45.4#
86 84.2 51.8 77.6#





#25

2-Butanone

Concen: 0.364 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

Instrument :

MSVOA_X

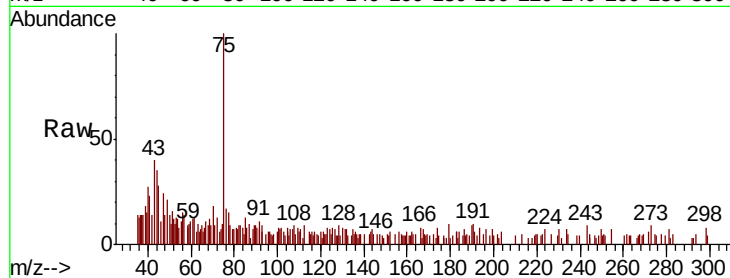
ClientSampled :

Tot Ion: 43 Resp: 1274

Ion Ratio Lower Upper

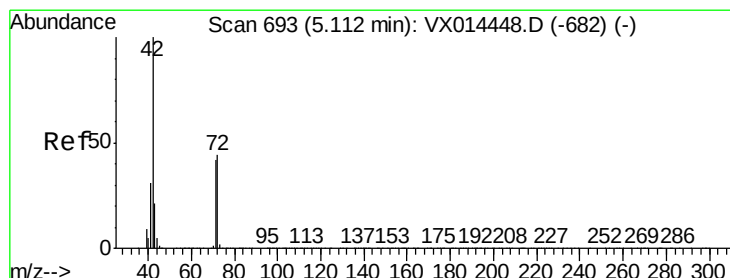
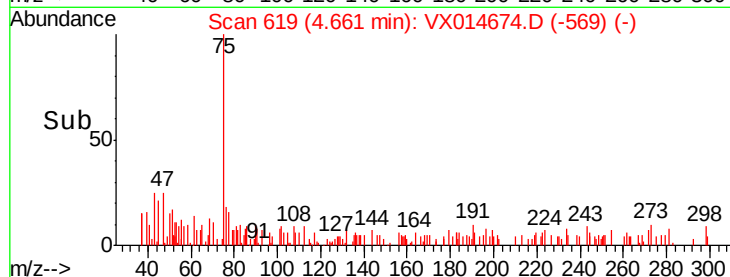
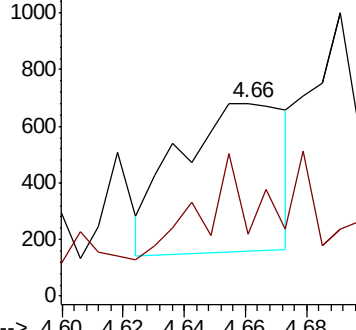
43 100

72 22.6 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.551 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

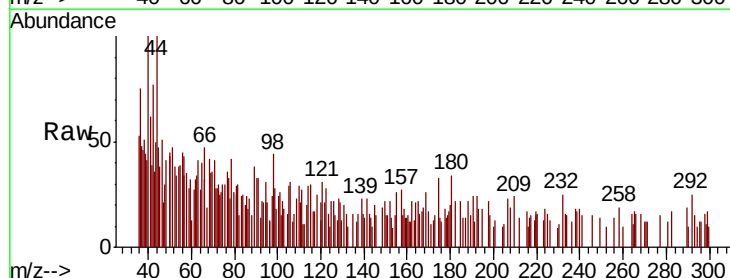
Tgt Ion: 42 Resp: 1139

Ion Ratio Lower Upper

42 100

72 67.7 36.2 54.4#

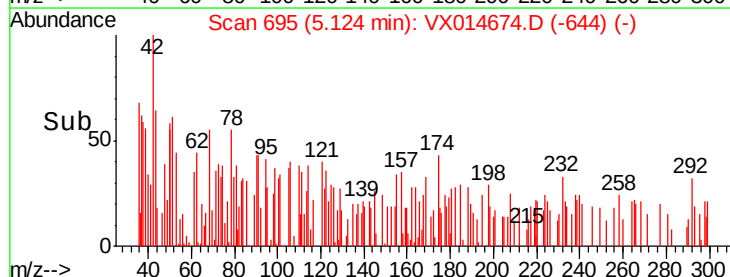
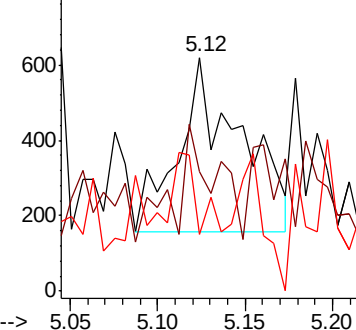
71 32.0 34.1 51.1#

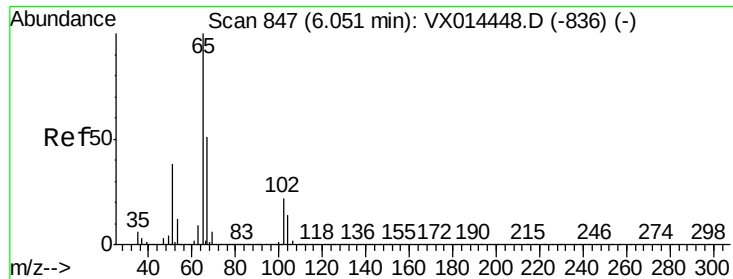


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

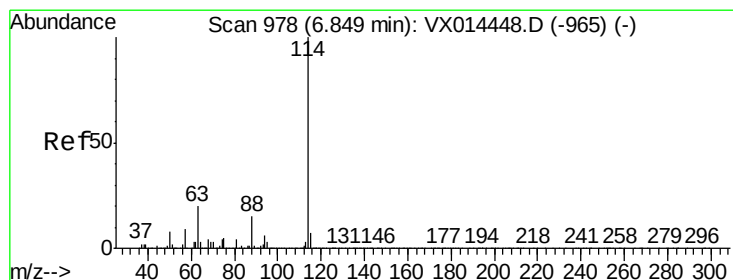
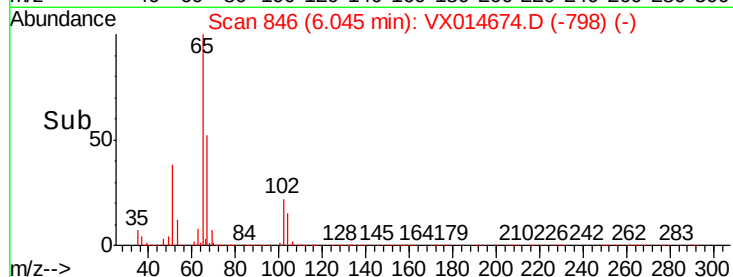
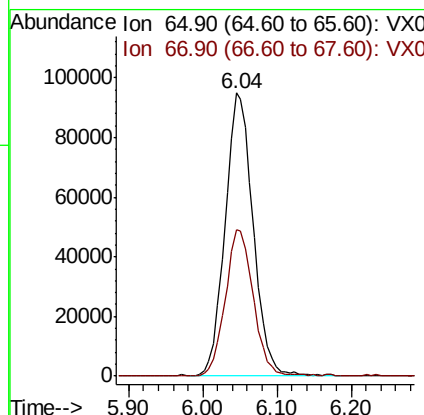
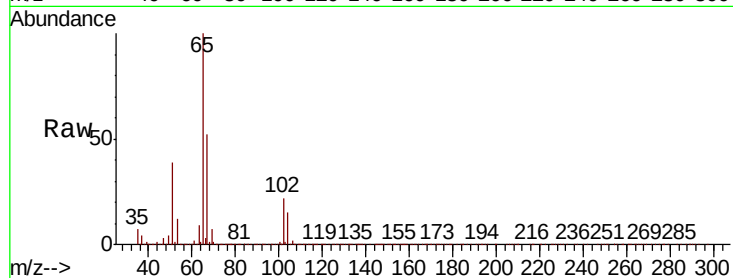




#33
 1,2-Dichloroethane-d4
 Concen: 52.863 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014674.D
 Acq: 21 Jan 2020 10:12

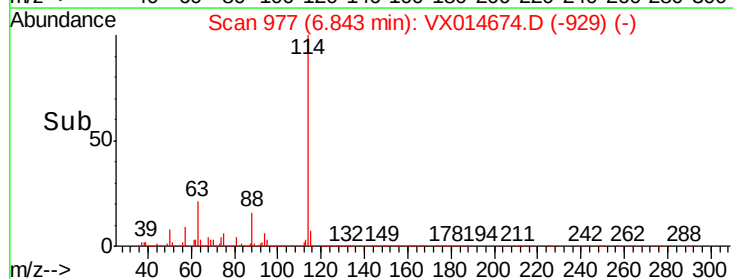
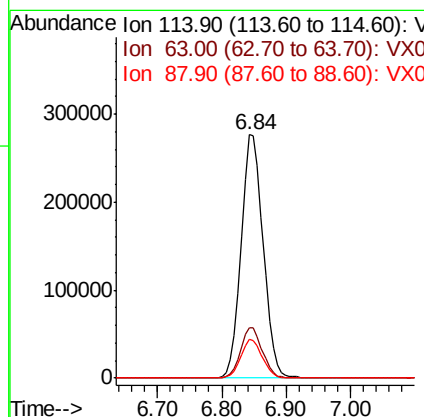
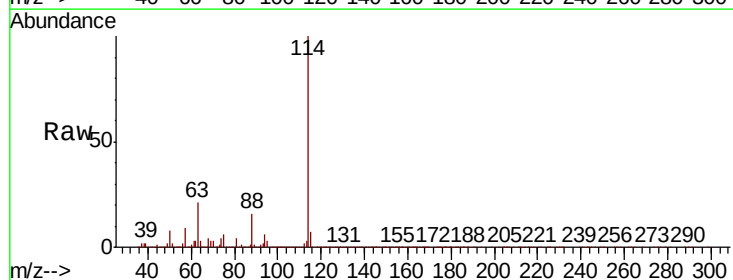
Instrument :
 MSVOA_X
 ClientSampleId :

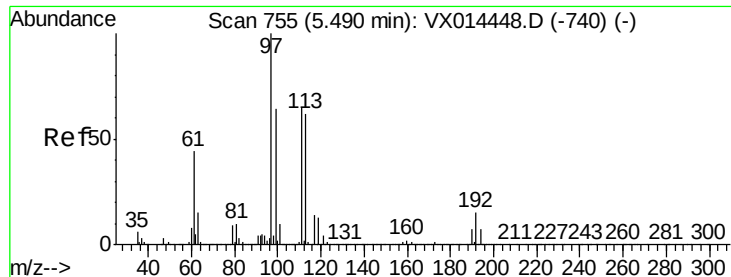
Tot Ion: 65 Resp: 247439
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014674.D
 Acq: 21 Jan 2020 10:12

Tgt Ion: 114 Resp: 656020
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.6
 88 15.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.685 ug/l

RT: 5.48 min Scan# 754

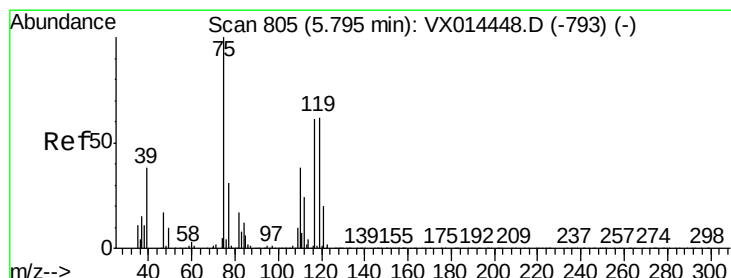
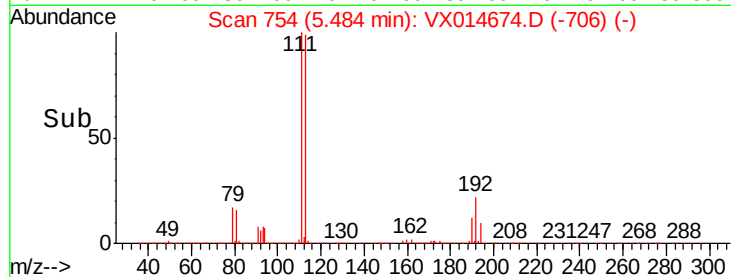
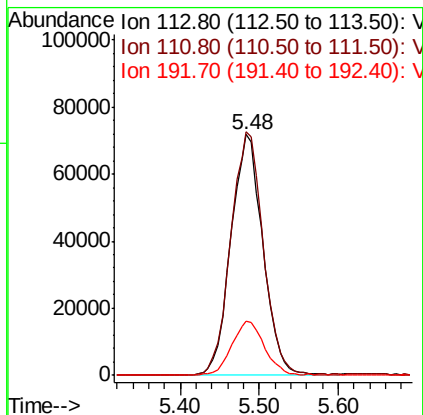
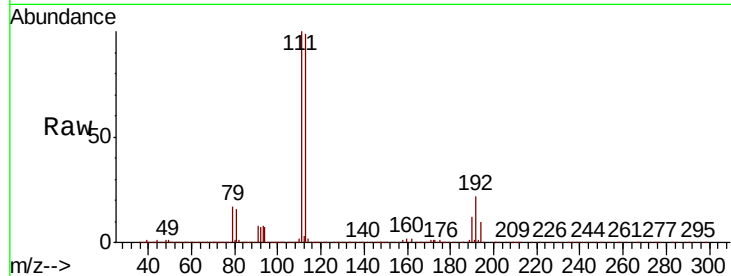
Delta R.T. -0.01 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	201281
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	22.8	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.684 ug/l

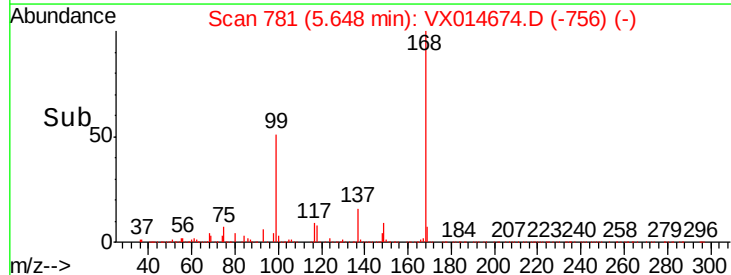
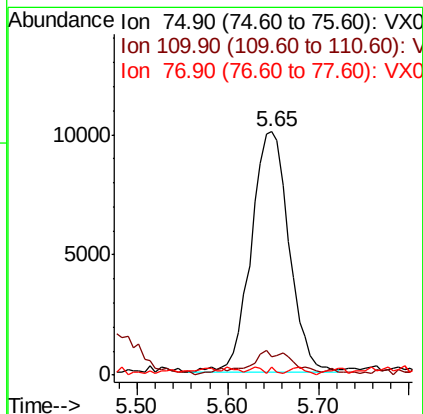
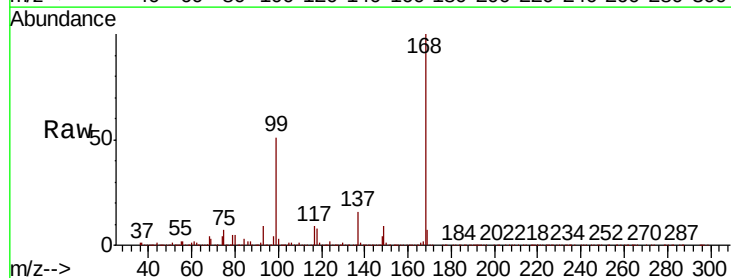
RT: 5.65 min Scan# 781

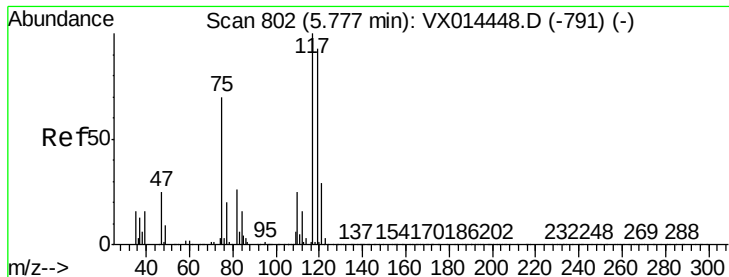
Delta R.T. -0.15 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

Tgt Ion:	75	Resp:	28894
Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.6	55.8#
77	0.8	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.485 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

Instrument :

MSVOA_X

ClientSampleId :

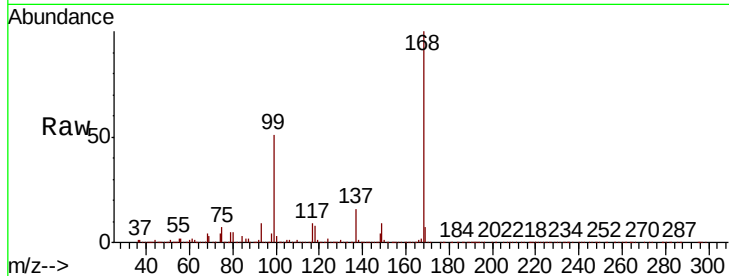
Tot Ion:117 Resp: 36814

Ion Ratio Lower Upper

117 100

119 5.3 73.8 110.8#

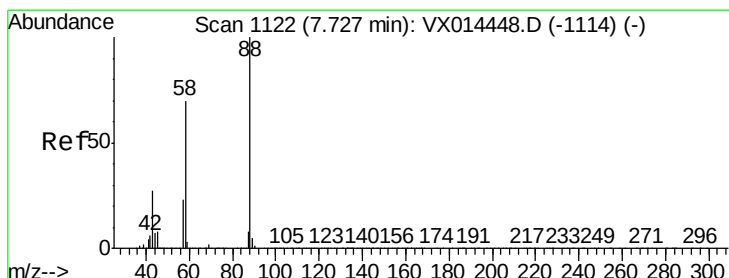
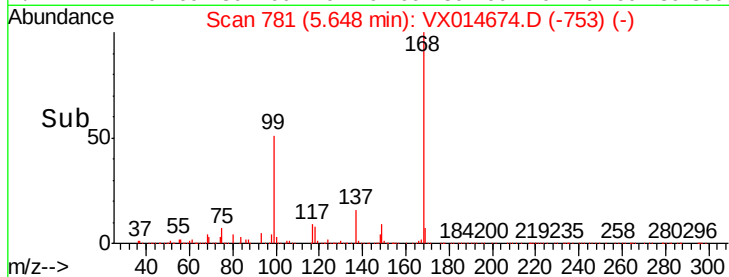
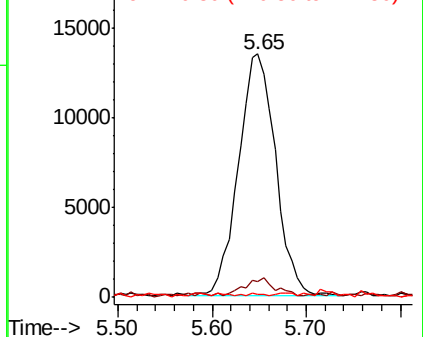
121 0.5 23.4 35.0#



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



#49

1,4-Dioxane

Concen: 0.701 ug/l

RT: 7.70 min Scan# 1117

Delta R.T. -0.03 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

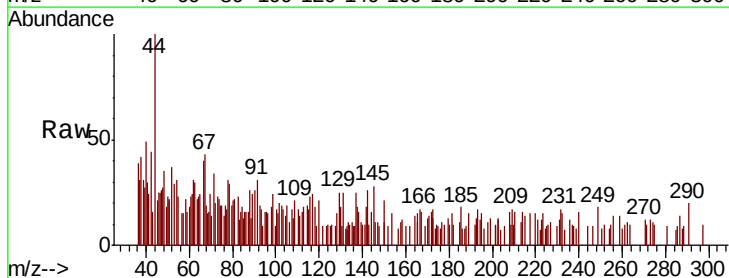
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 529.9 27.4 41.0#

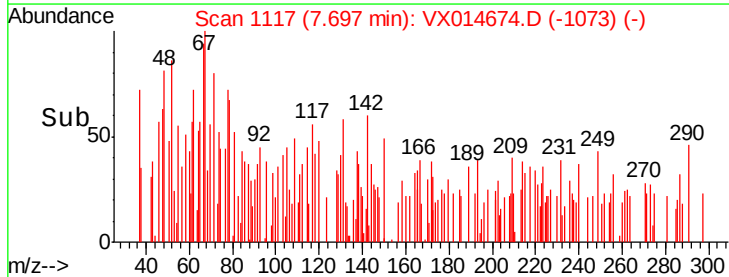
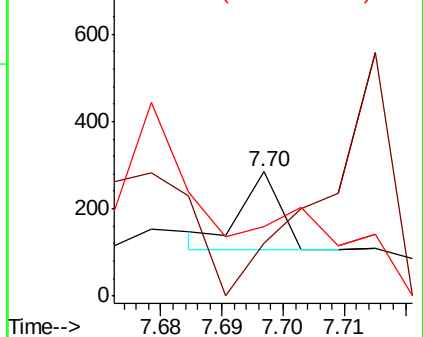
58 0.0 57.1 85.7#

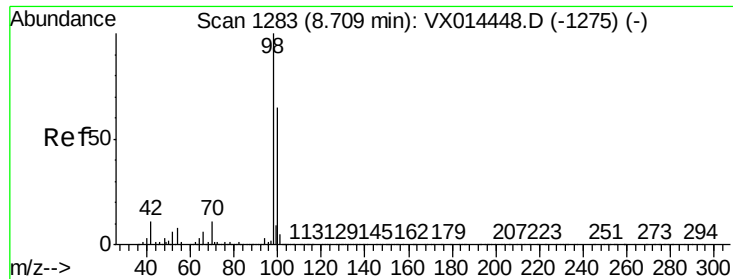


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

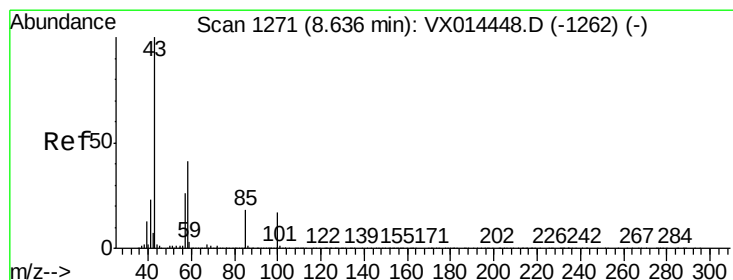
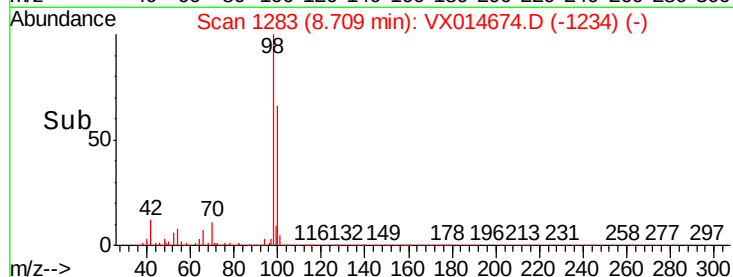
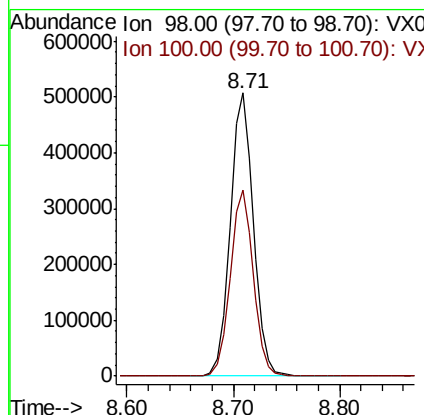
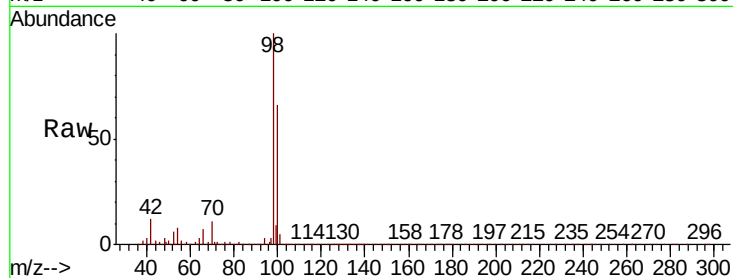




#50
Toluene-d8
Concen: 49.927 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014674.D
Acq: 21 Jan 2020 10:12

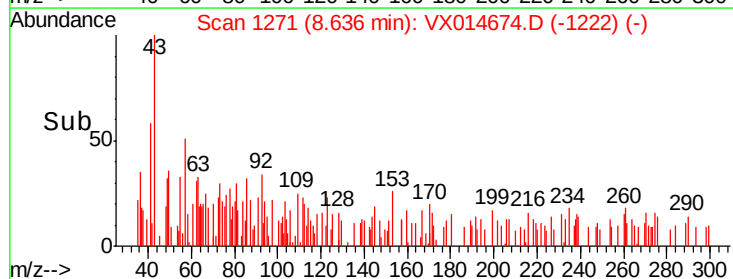
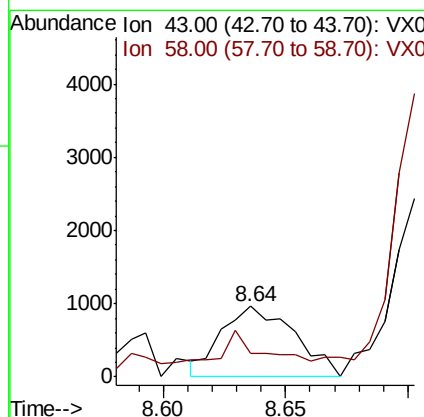
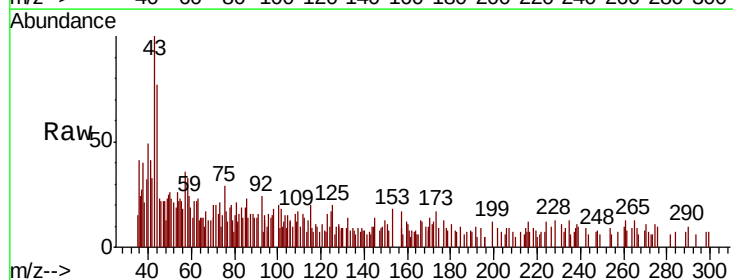
Instrument :
MSVOA_X
ClientSampleId :

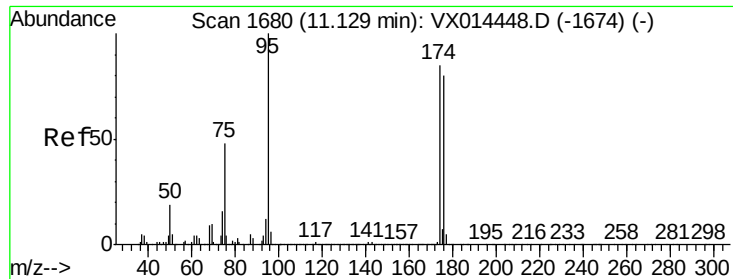
Tot Ion: 98 Resp: 769417
Ion Ratio Lower Upper
98 100
100 65.4 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 0.301 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX014674.D
Acq: 21 Jan 2020 10:12

Tgt Ion: 43 Resp: 1987
Ion Ratio Lower Upper
43 100
58 34.9 32.4 48.6





#62

4-Bromofluorobenzene

Concen: 45.610 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

Instrument :

MSVOA_X

ClientSampleId :

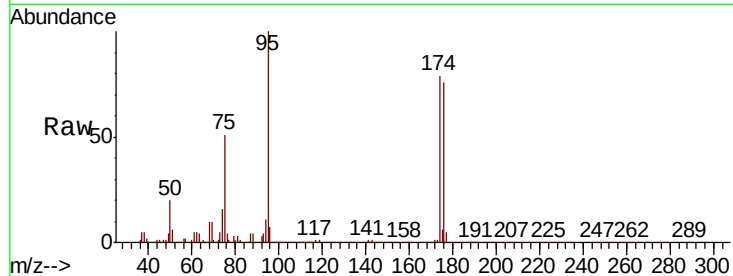
Tot Ion: 95 Resp: 258036

Ion Ratio Lower Upper

95 100

174 86.5 0.0 180.8

176 83.8 0.0 172.8

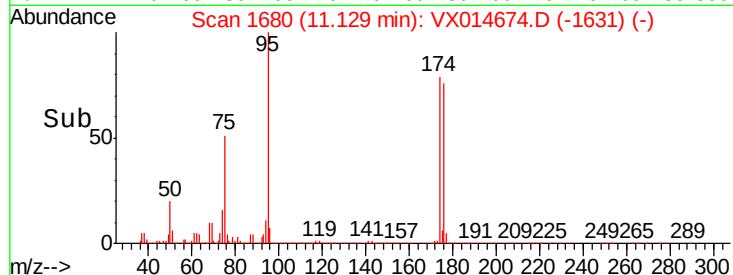


Abundance Ion 94.90 (94.60 to 95.60): VX014448.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX014448.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX014448.D (-1674) (-)

Time-->

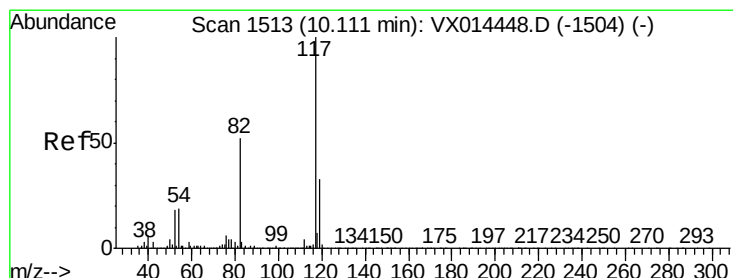


Abundance Ion 94.90 (94.60 to 95.60): VX014674.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX014674.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX014674.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

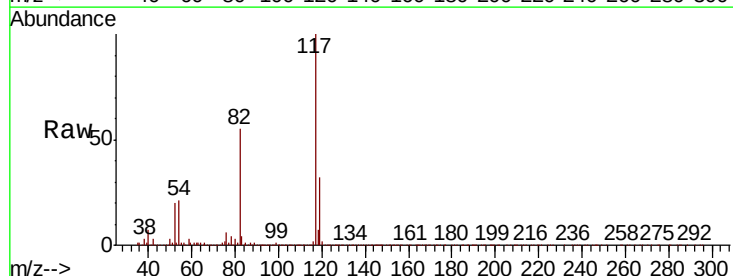
Tgt Ion: 117 Resp: 589641

Ion Ratio Lower Upper

117 100

82 55.1 41.8 62.6

119 32.0 26.2 39.4

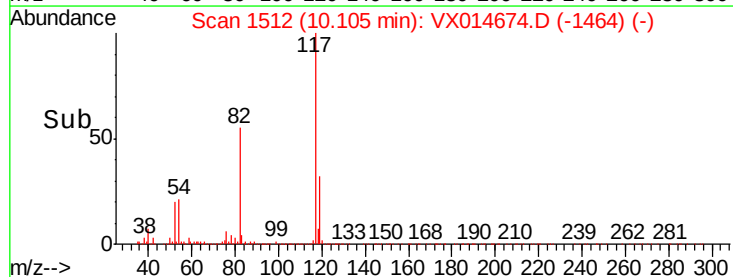


Abundance Ion 116.90 (116.60 to 117.60): VX014448.D (-1504) (-)

Ion 82.00 (81.70 to 82.70): VX014448.D (-1504) (-)

Ion 118.90 (118.60 to 119.60): VX014448.D (-1504) (-)

Time-->

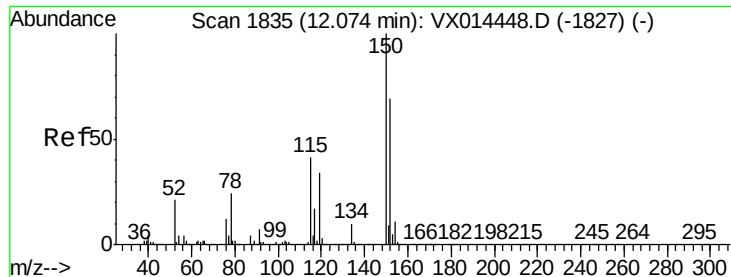


Abundance Ion 116.90 (116.60 to 117.60): VX014674.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014674.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014674.D (-1464) (-)

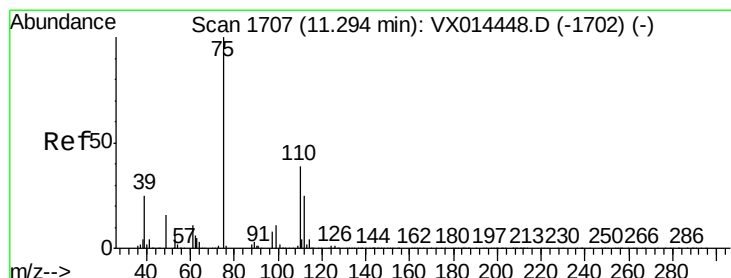
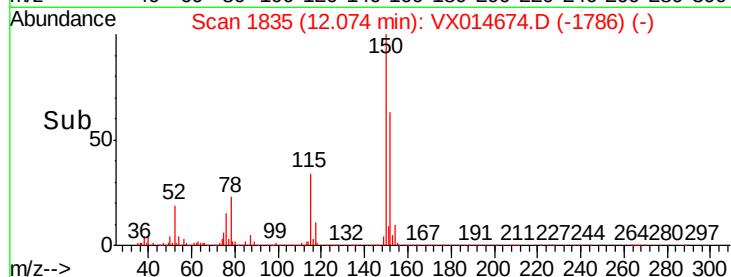
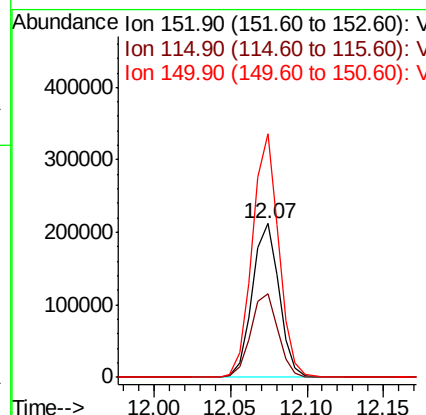
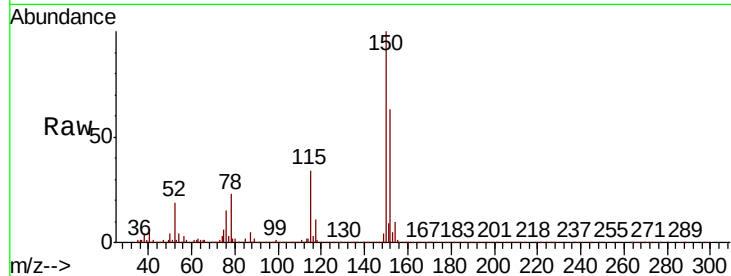
Time-->



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX014674.D
 Acq: 21 Jan 2020 10:12

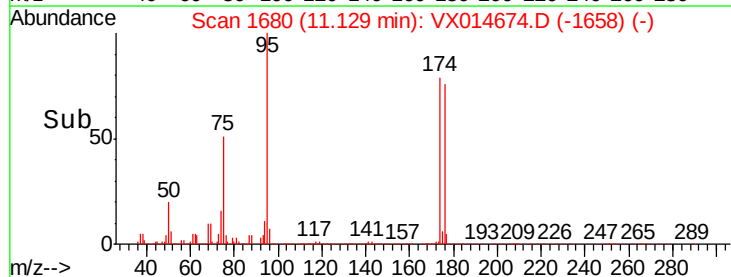
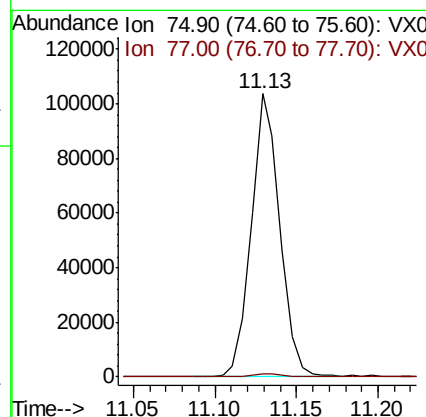
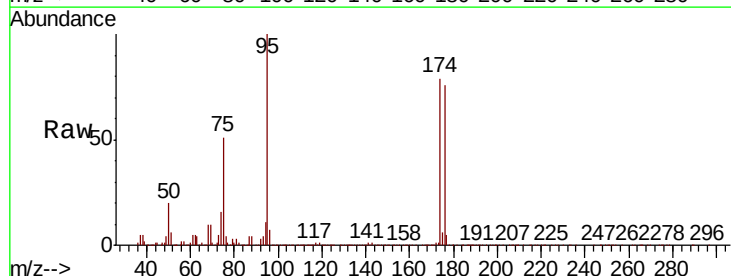
Instrument :
 MSVOA_X
 ClientSampleId :

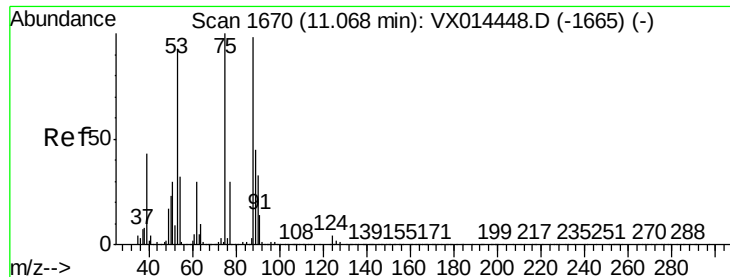
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	39.5	118.3
150	155.4	0.0	350.2



#76
 1,2,3-Trichloropropane
 Concen: 23.475 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014674.D
 Acq: 21 Jan 2020 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.9	65.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.065 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

Instrument :

MSVOA_X

ClientSampled :

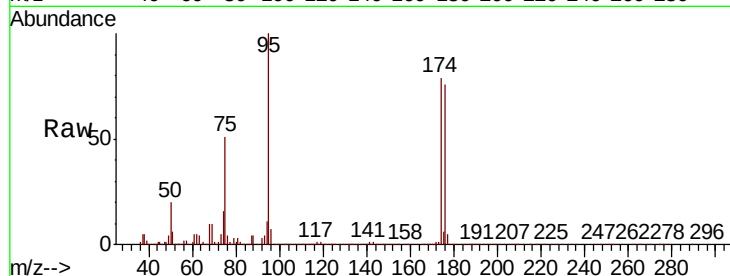
Tot Ion: 75 Resp: 125510

Ion Ratio Lower Upper

75 100

53 0.9 74.8 112.2#

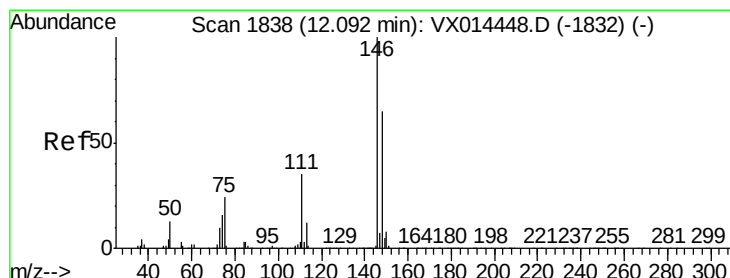
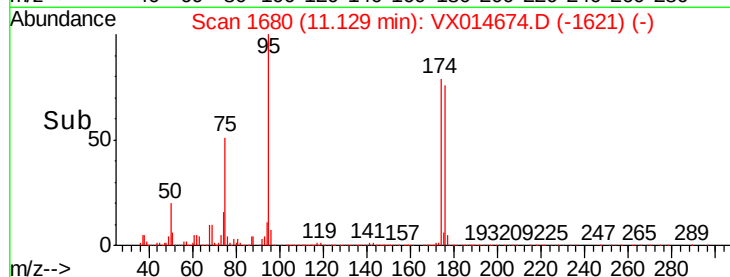
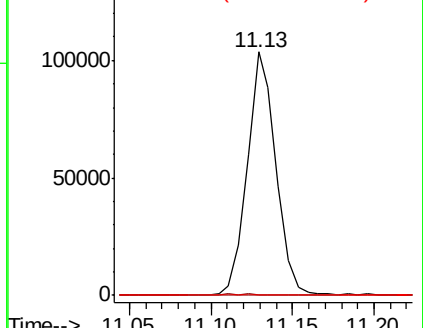
89 0.3 36.3 54.5#



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



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.09 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VX014674.D

Acq: 21 Jan 2020 10:12

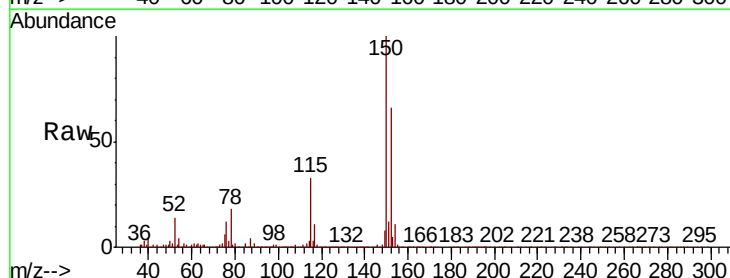
Tgt Ion: 146 Resp: 1313

Ion Ratio Lower Upper

146 100

111 296.8 18.1 54.1#

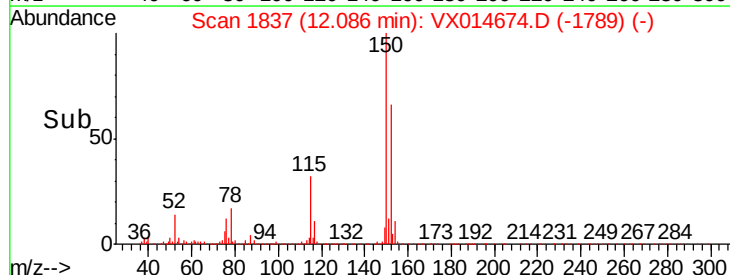
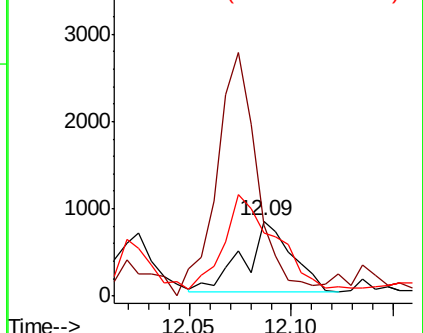
148 147.8 32.1 96.3#

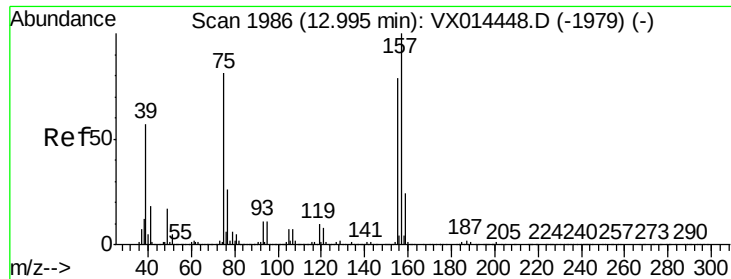


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

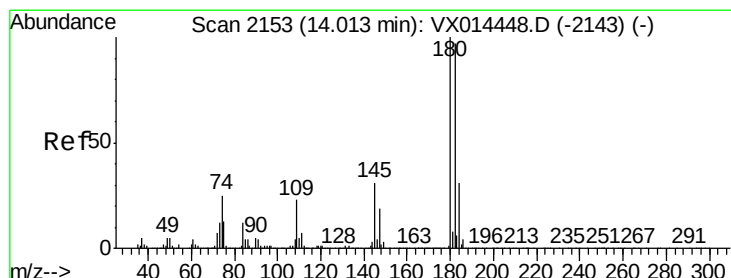
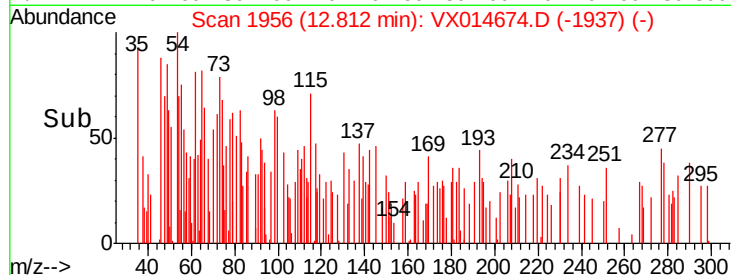
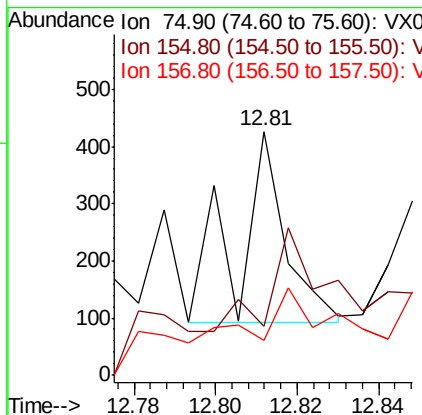
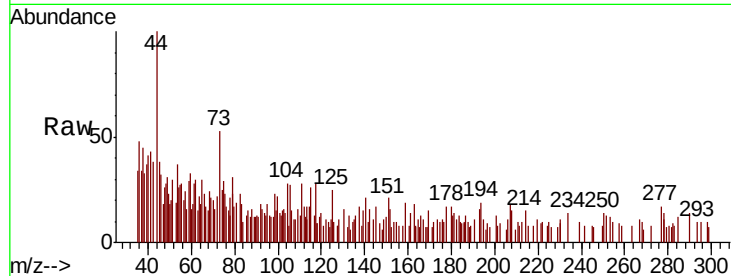




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.207 ug/l
 RT: 12.81 min Scan# 1956
 Delta R.T. -0.18 min
 Lab File: VX014674.D
 Acq: 21 Jan 2020 10:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 271
 Ion Ratio Lower Upper
 75 100
 155 122.1 48.7 146.1
 157 125.1 62.0 185.9



#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.16 min Scan# 2177
 Delta R.T. 0.15 min
 Lab File: VX014674.D
 Acq: 21 Jan 2020 10:12

Tgt Ion: 180 Resp: 193
 Ion Ratio Lower Upper
 180 100
 182 51.8 47.9 143.6
 145 33.7 14.8 44.3

