

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010820\NOT REVIEWED DATA\
 Data File : VX0144466.D
 Acq On : 08 Jan 2020 13:15
 Operator : JC/SP
 Sample : L1034-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 13:54:54 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	564370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	868751	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	779192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	364528	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	308214	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	5.50	113	255017	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	8.71	98	1017905	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.14	95	354705	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	

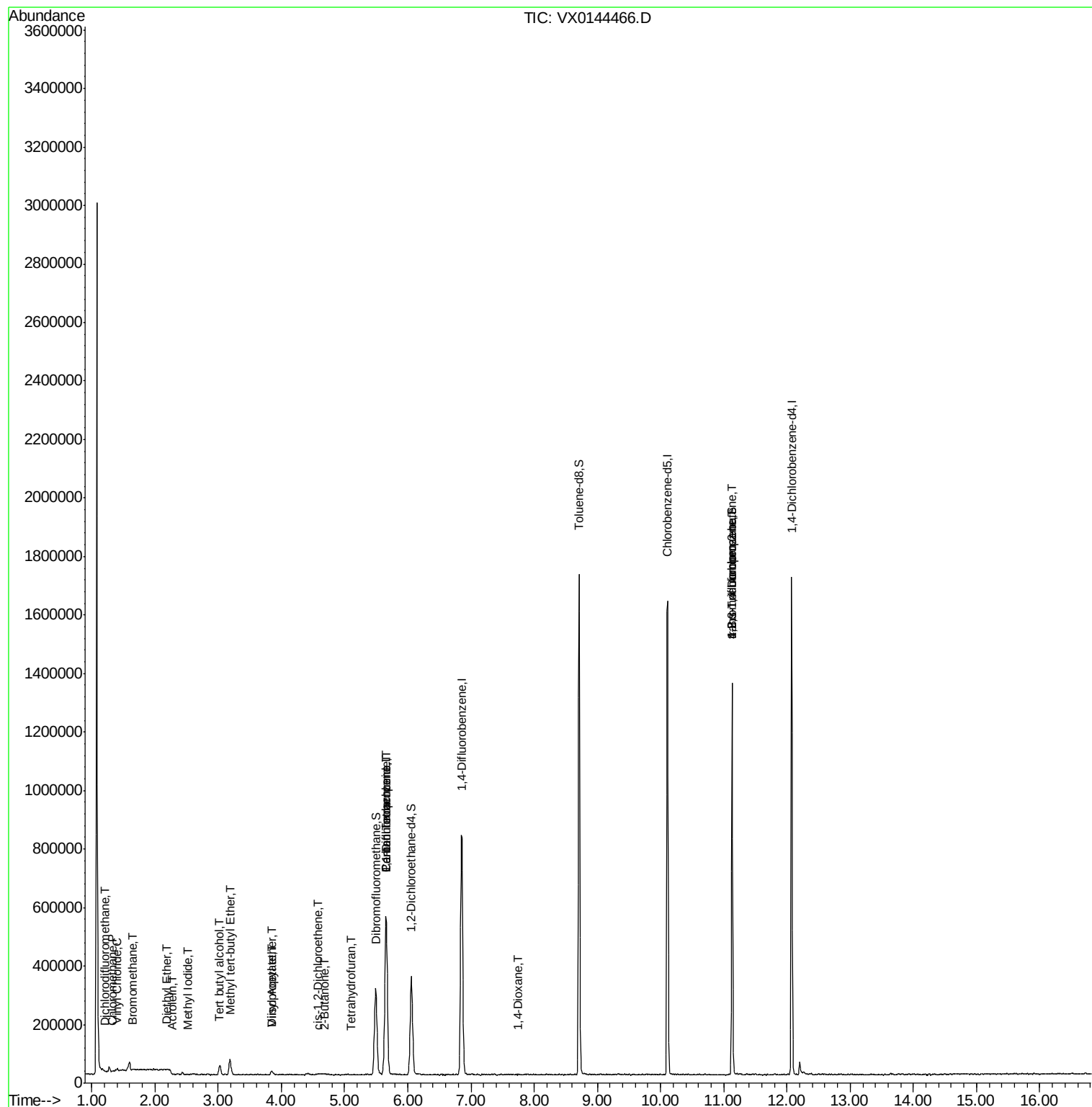
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	313	0.297	ug/l #	69
3) Chloromethane	1.32	50	1532	0.213	ug/l	92
4) Vinyl Chloride	1.41	62	4030	0.503	ug/l	93
5) Bromomethane	1.65	94	2660	0.501	ug/l #	70
6) Chloroethane	1.72	64	630	Below Cal	#	78
8) Diethyl Ether	2.19	74	1744	0.420	ug/l	71
10) Methyl Iodide	2.52	142	1986	0.300	ug/l #	87
11) Tert butyl alcohol	3.03	59	39789	30.247	ug/l	99
13) Acrolein	2.28	56	520	0.493	ug/l #	80
16) Acetone	2.44	43	10661	Below Cal		97
19) Methyl tert-butyl Ether	3.19	73	60922	3.405	ug/l	98
22) Diisopropyl ether	3.85	45	14533	0.768	ug/l #	76
23) Vinyl Acetate	3.84	43	9377	0.640	ug/l #	86
25) 2-Butanone	4.68	43	952	0.202	ug/l #	50
27) cis-1,2-Dichloroethene	4.59	96	2180	0.320	ug/l	40
29) Tetrahydrofuran	5.10	42	909	0.327	ug/l #	80
36) 1,1-Dichloropropene	5.65	75	38346	4.694	ug/l #	41
38) Carbon Tetrachloride	5.65	117	48547	6.457	ug/l #	19
49) 1,4-Dioxane	7.75	88	160	1.100	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	172244	22.837	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	172244	60.378	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	1124	Below Cal	#	1
96) 1,2,3-Trichlorobenzene	14.01	180	690	Below Cal	#	51

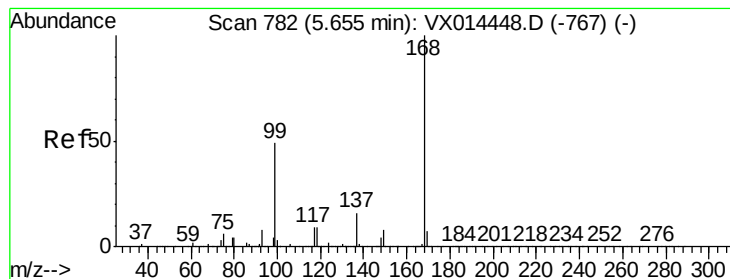
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 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: VX0144466.D

Acq: 08 Jan 2020 13:15

Instrument :

MSVOA_X

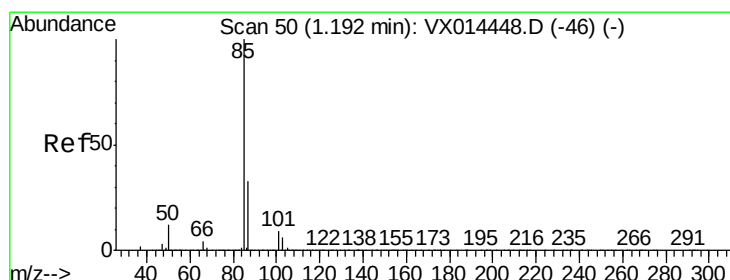
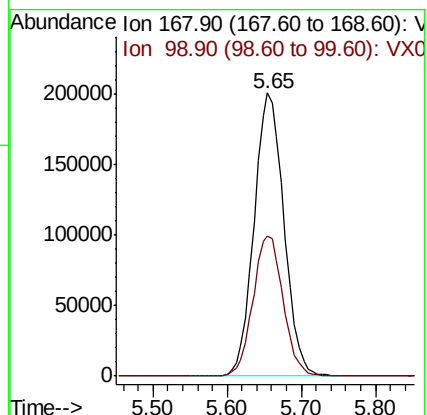
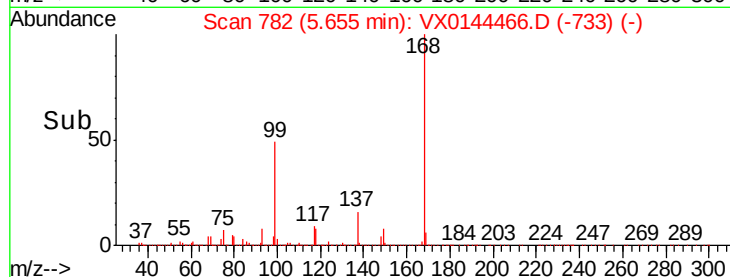
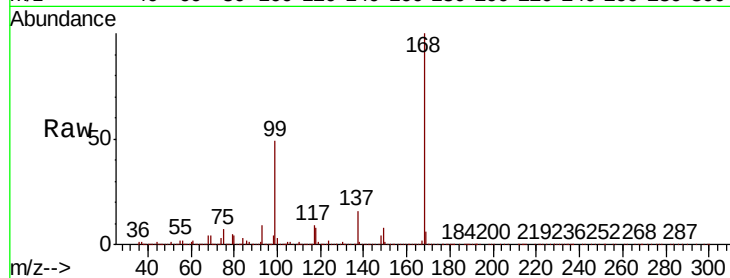
ClientSampleId :

Tot Ion:168 Resp: 564370

Ion Ratio Lower Upper

168 100

99 49.2 39.2 58.8



#2

Dichlorodifluoromethane

Concen: 0.297 ug/l

RT: 1.21 min Scan# 53

Delta R.T. 0.02 min

Lab File: VX0144466.D

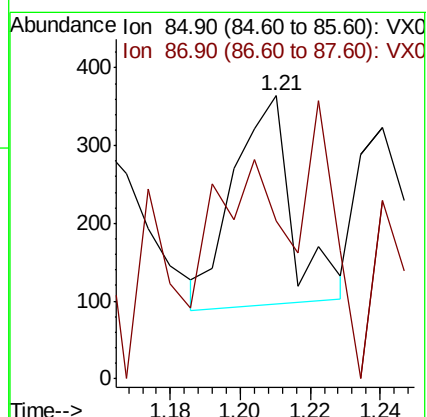
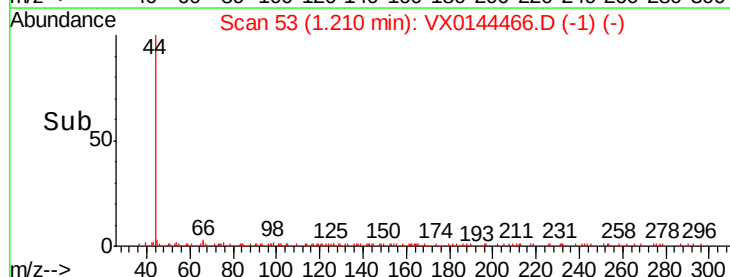
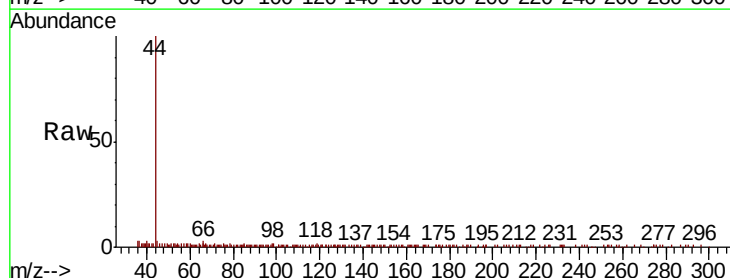
Acq: 08 Jan 2020 13:15

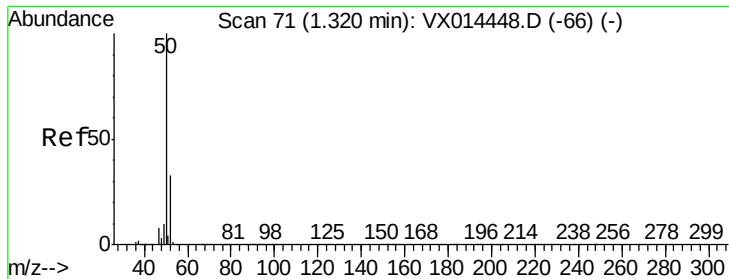
Tgt Ion: 85 Resp: 313

Ion Ratio Lower Upper

85 100

87 15.6 16.5 49.5#





#3

Chloromethane

Concen: 0.213 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

Instrument :

MSVOA_X

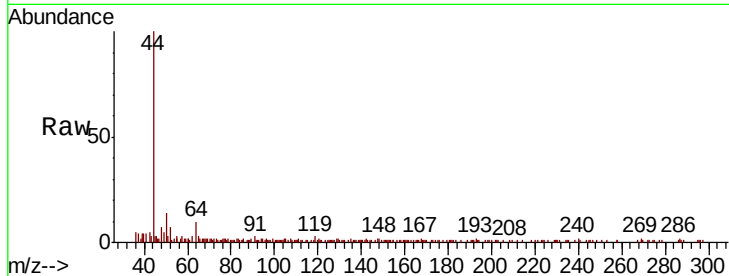
ClientSampleId :

Tot Ion: 50 Resp: 1532

Ion Ratio Lower Upper

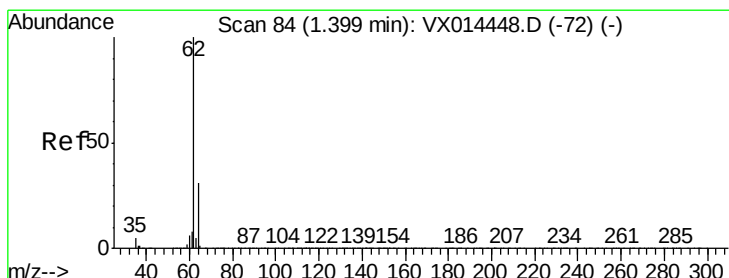
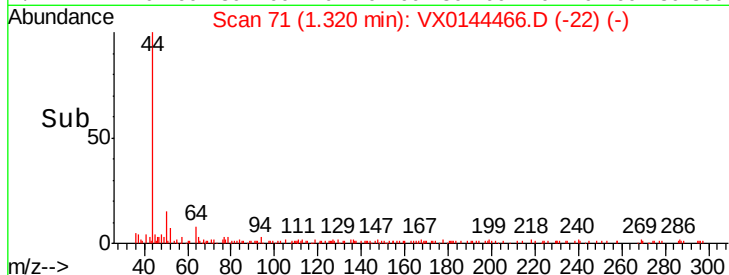
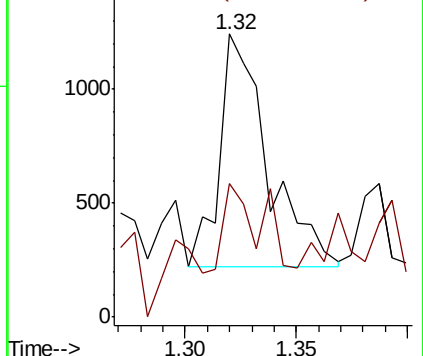
50 100

52 28.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.503 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.01 min

Lab File: VX0144466.D

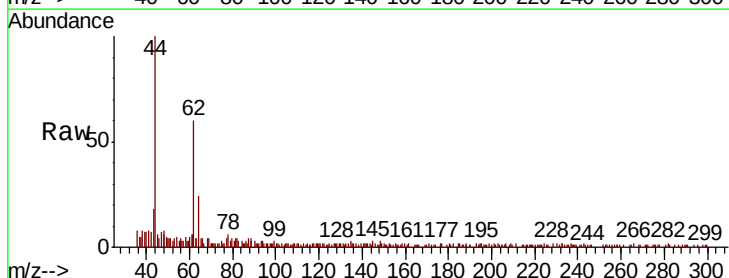
Acq: 08 Jan 2020 13:15

Tgt Ion: 62 Resp: 4030

Ion Ratio Lower Upper

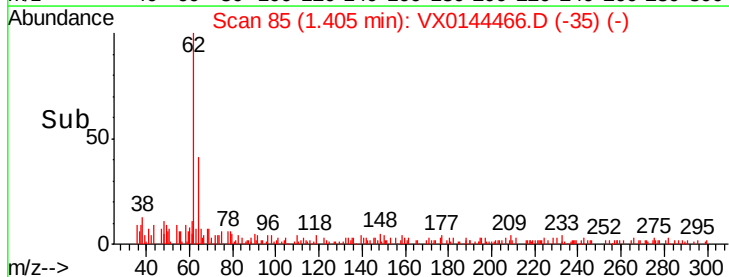
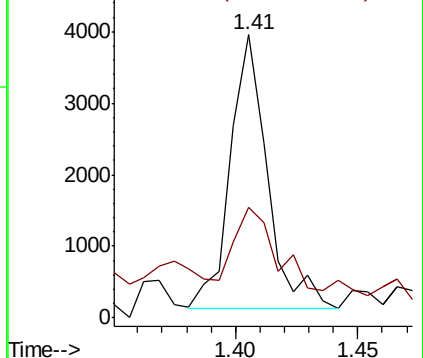
62 100

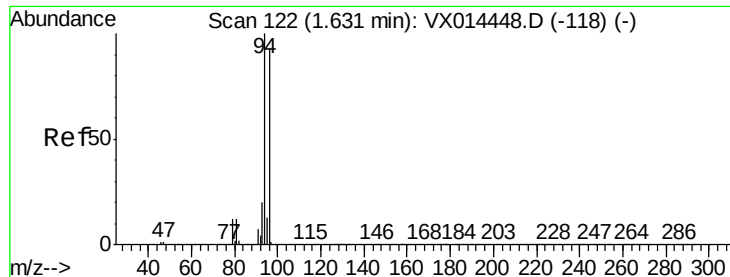
64 26.8 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.501 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

Instrument :

MSVOA_X

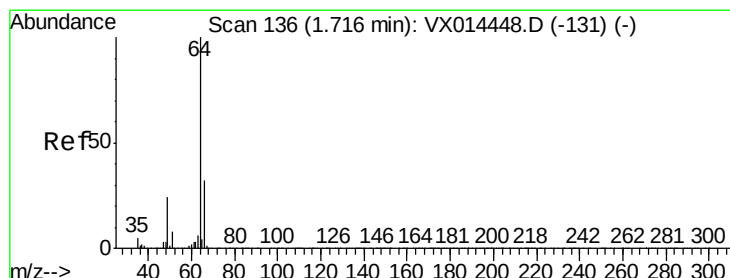
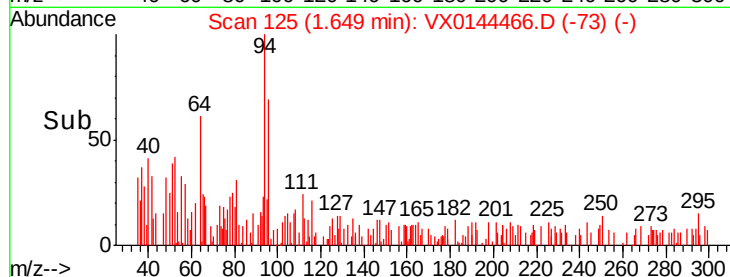
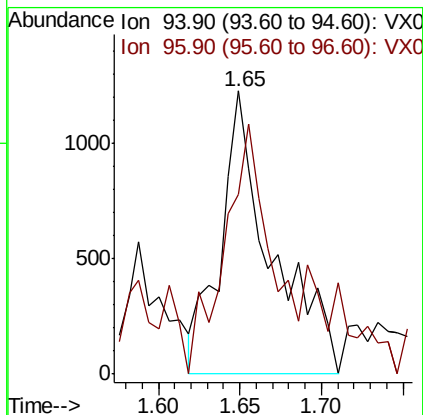
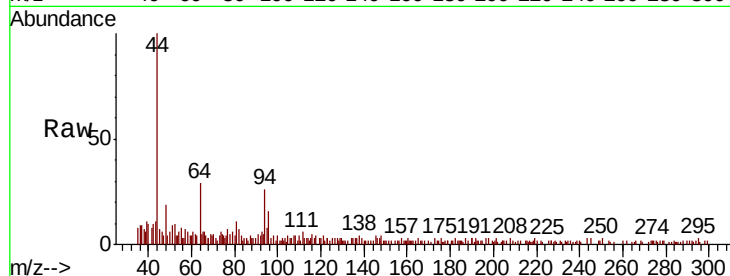
ClientSampleId :

Tot Ion: 94 Resp: 2660

Ion Ratio Lower Upper

94 100

96 63.6 74.2 111.2#



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX0144466.D

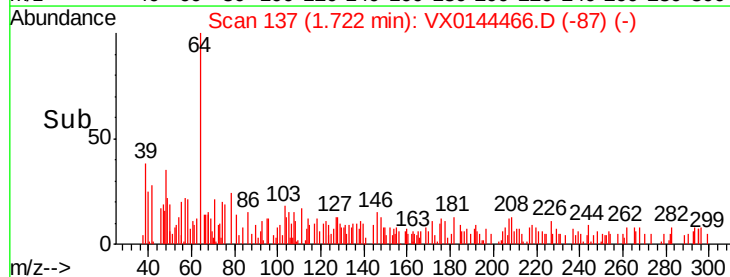
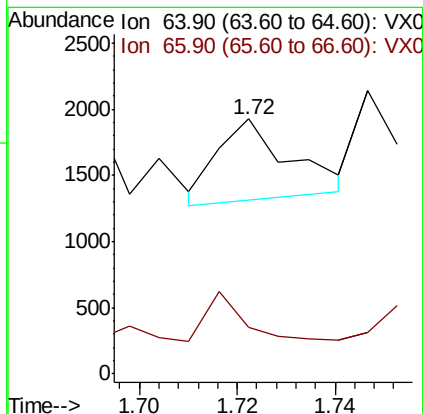
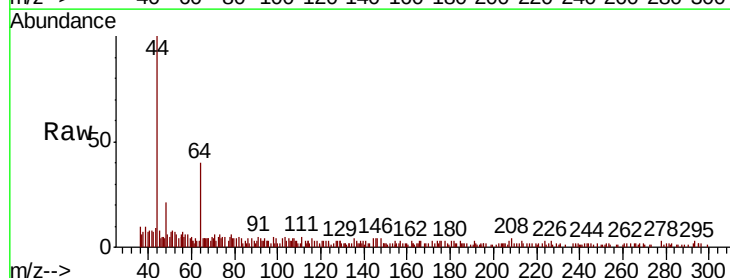
Acq: 08 Jan 2020 13:15

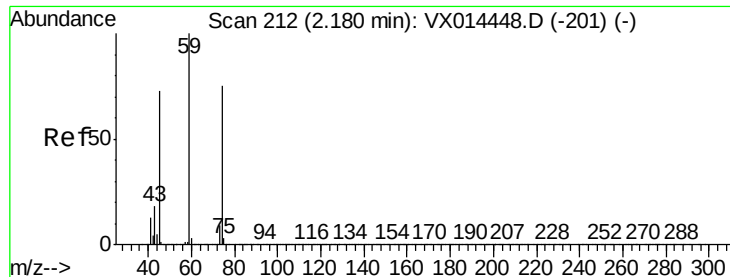
Tgt Ion: 64 Resp: 630

Ion Ratio Lower Upper

64 100

66 19.5 25.3 37.9#





#8

Diethyl Ether

Concen: 0.420 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

Instrument :

MSVOA_X

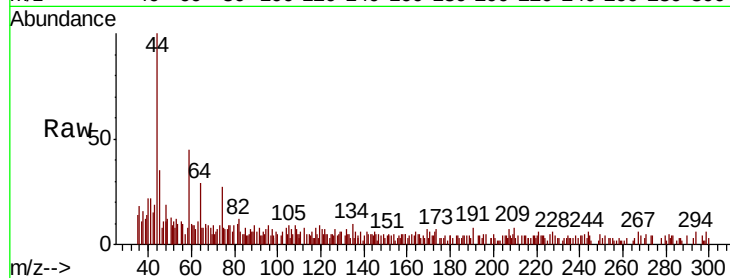
ClientSampled :

Tot Ion: 74 Resp: 1744

Ion Ratio Lower Upper

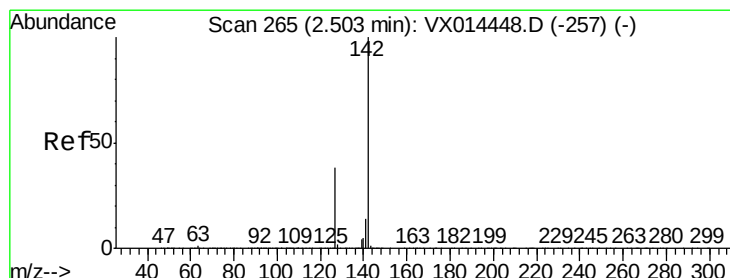
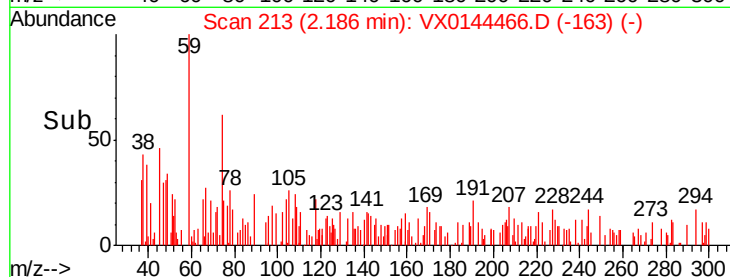
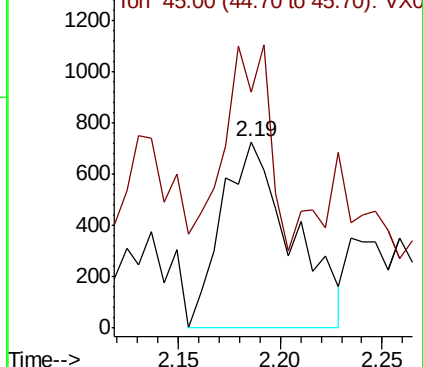
74 100

45 68.4 48.7 146.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 0.300 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

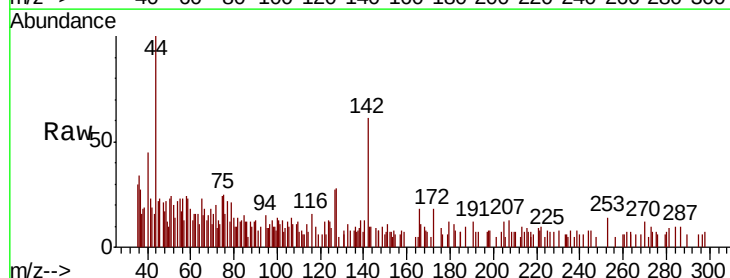
Tgt Ion: 142 Resp: 1986

Ion Ratio Lower Upper

142 100

127 49.3 31.2 46.8#

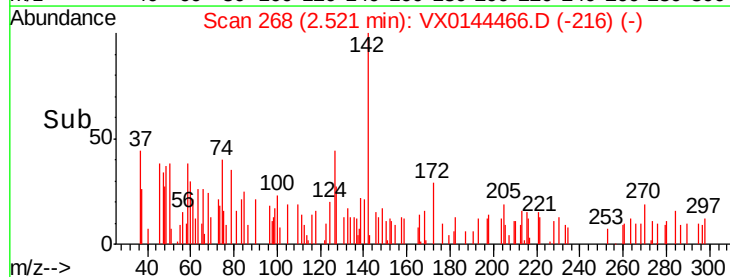
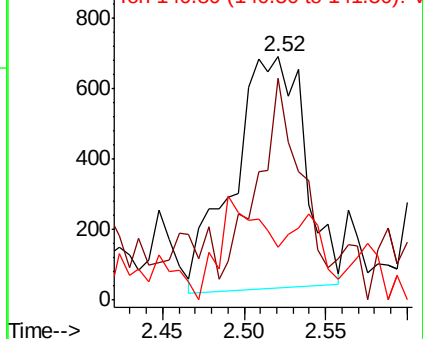
141 14.6 11.4 17.2

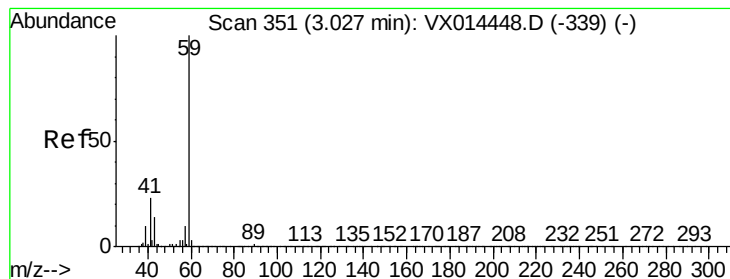


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



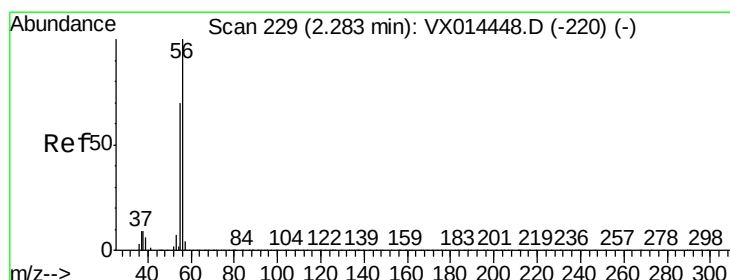
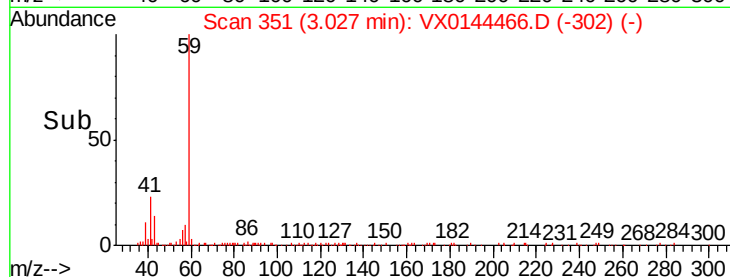
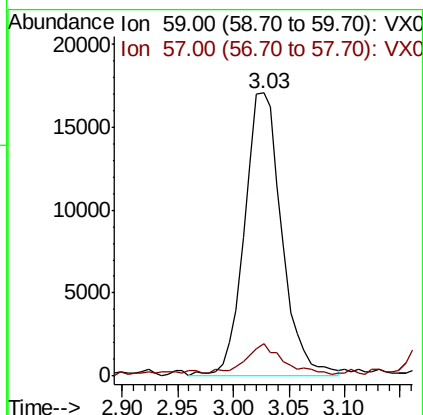
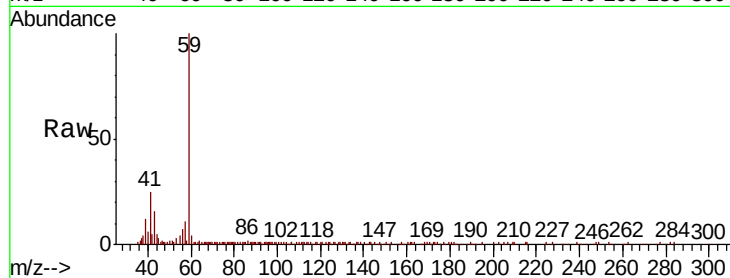


#11

Tert butyl alcohol
Concen: 30.247 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX0144466.D
Acq: 08 Jan 2020 13:15

Instrument :
MSVOA_X
ClientSampleId :

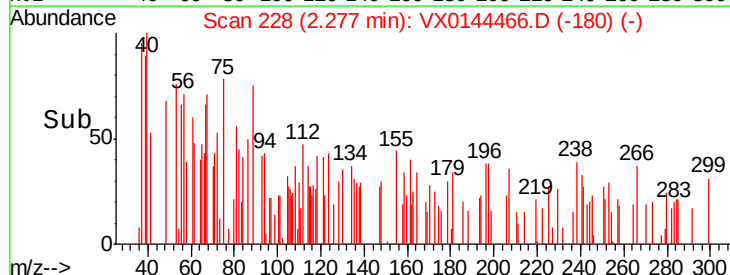
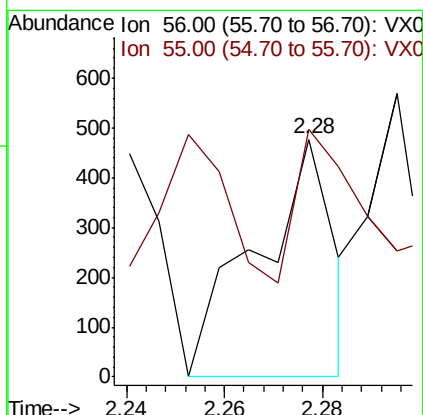
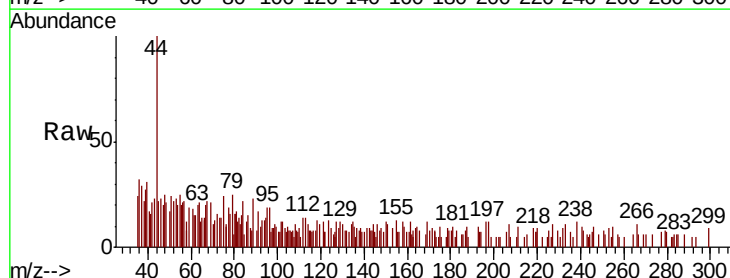
Tot Ion: 59 Resp: 39789
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

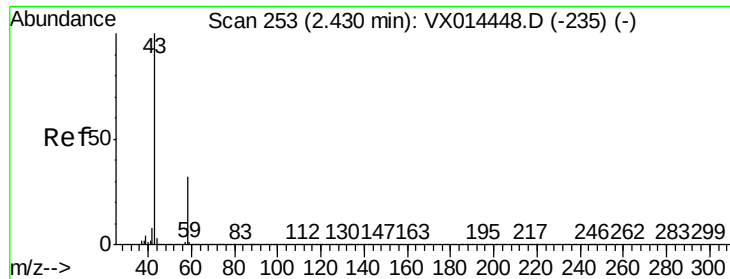


#13

Acrolein
Concen: 0.493 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX0144466.D
Acq: 08 Jan 2020 13:15

Tgt Ion: 56 Resp: 520
Ion Ratio Lower Upper
56 100
55 52.5 55.0 82.6#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

Instrument :

MSVOA_X

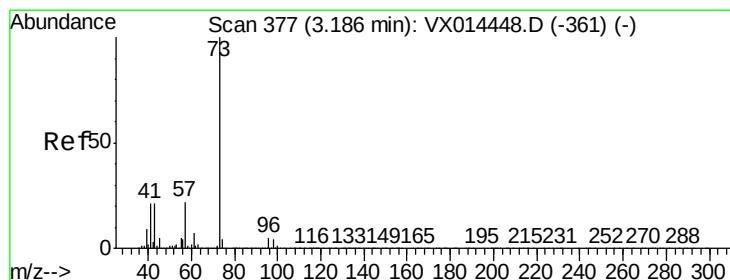
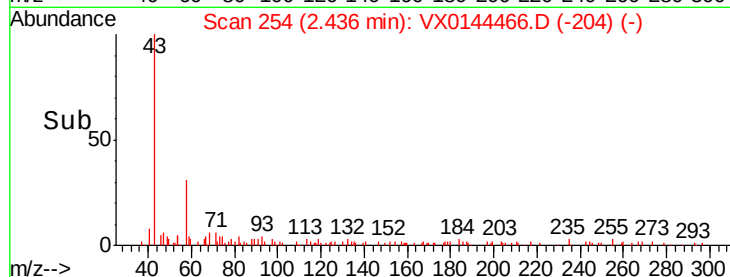
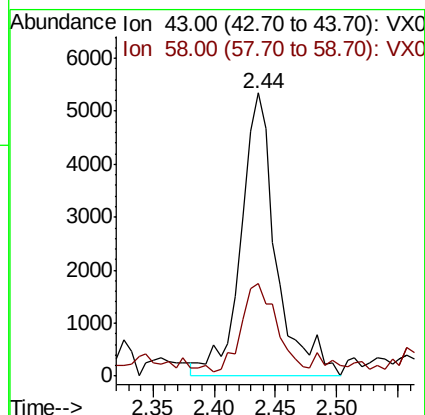
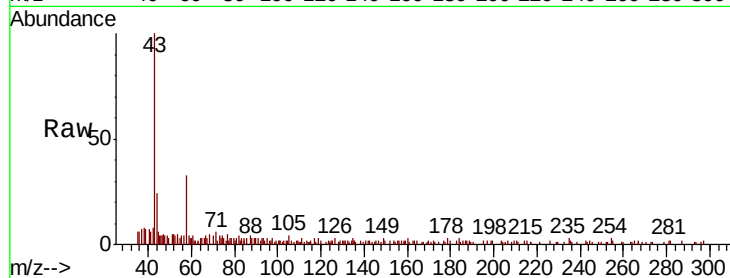
ClientSampleId :

Tot Ion: 43 Resp: 10661

Ion Ratio Lower Upper

43 100

58 29.8 25.4 38.0



#19

Methyl tert-butyl Ether

Concen: 3.405 ug/l

RT: 3.19 min Scan# 377

Delta R.T. -0.00 min

Lab File: VX0144466.D

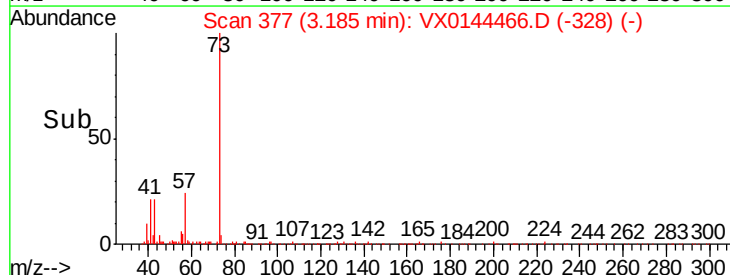
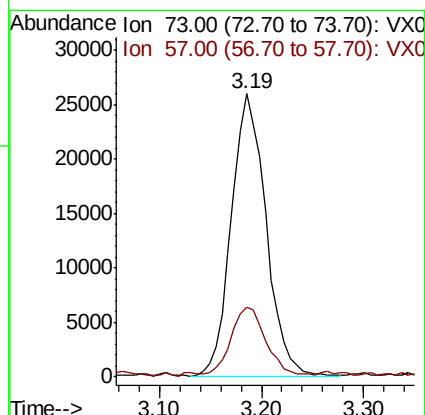
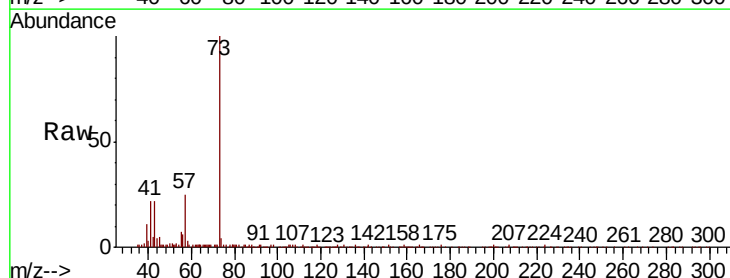
Acq: 08 Jan 2020 13:15

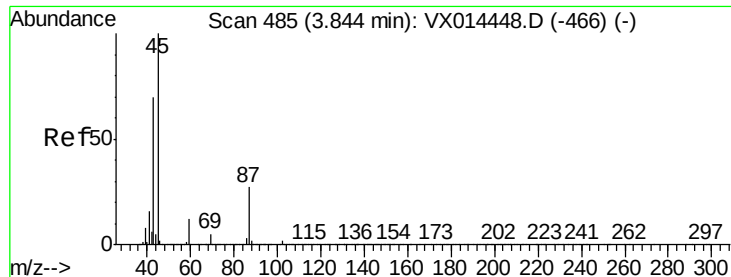
Tgt Ion: 73 Resp: 60922

Ion Ratio Lower Upper

73 100

57 23.1 17.8 26.8





#22

Diisopropyl ether

Concen: 0.768 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX0144466.D

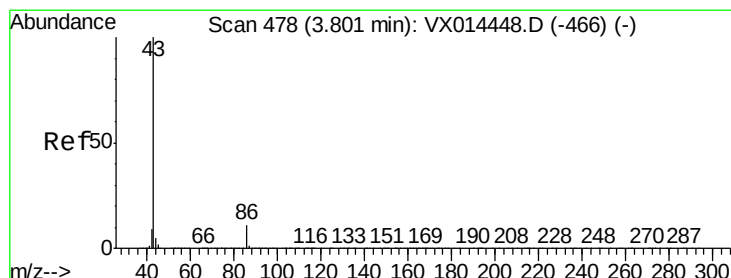
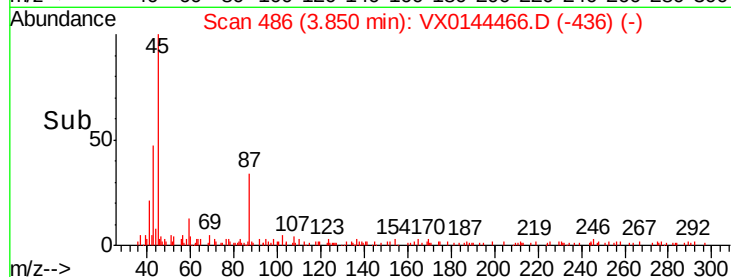
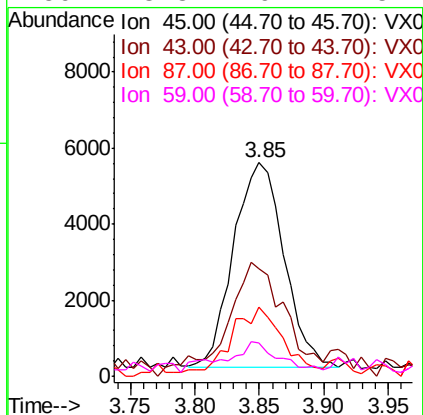
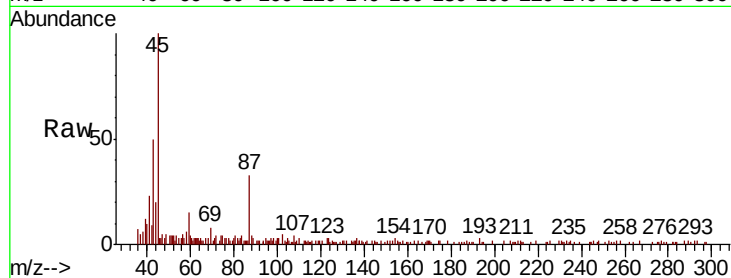
Acq: 08 Jan 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	45	Resp:	14533
Ion	Ratio	Lower	Upper
45	100		
43	42.7	55.8	83.6#
87	30.9	21.8	32.8
59	8.8	9.1	13.7#



#23

Vinyl Acetate

Concen: 0.640 ug/l

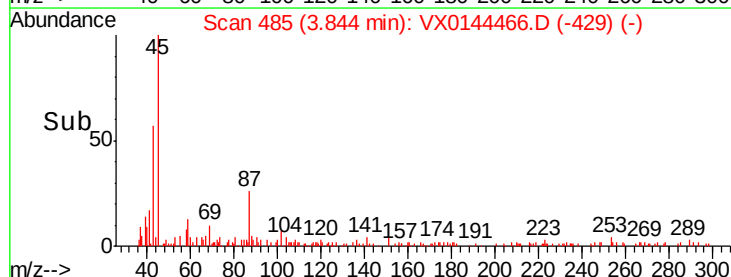
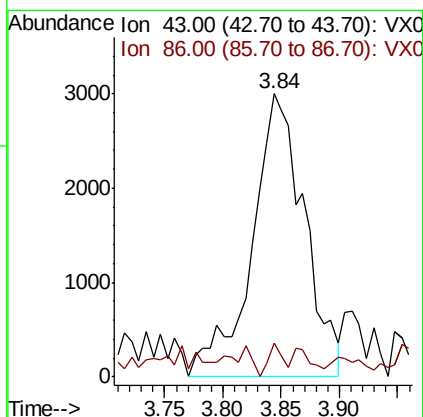
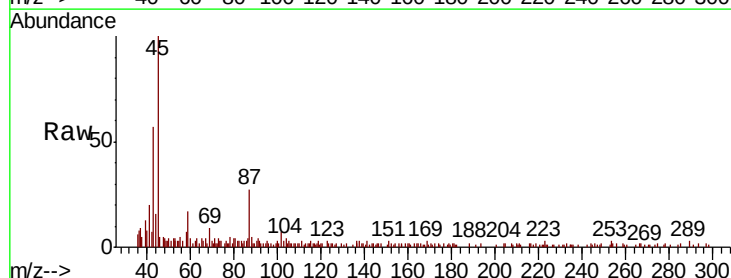
RT: 3.84 min Scan# 485

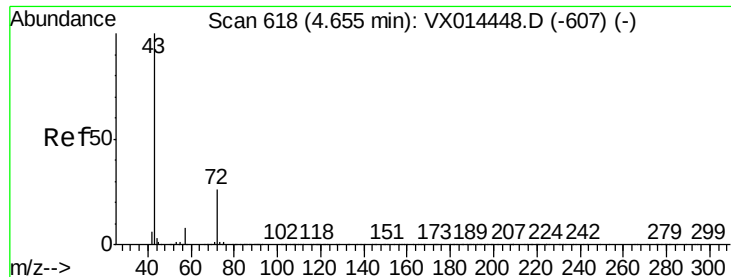
Delta R.T. 0.04 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

Tgt Ion:	43	Resp:	9377
Ion	Ratio	Lower	Upper
43	100		
86	5.2	8.4	12.6#





#25

2-Butanone

Concen: 0.202 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

Instrument :

MSVOA_X

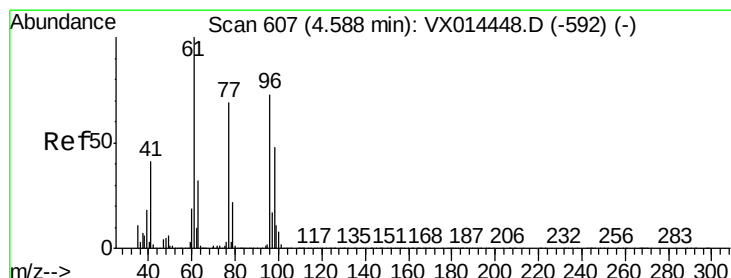
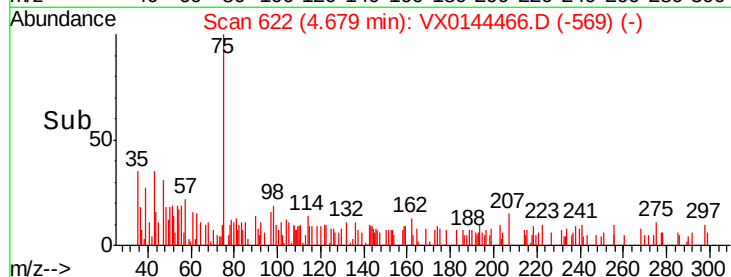
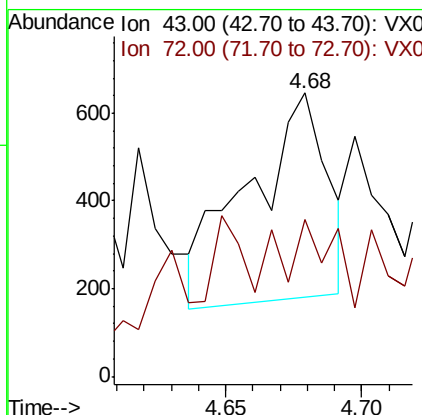
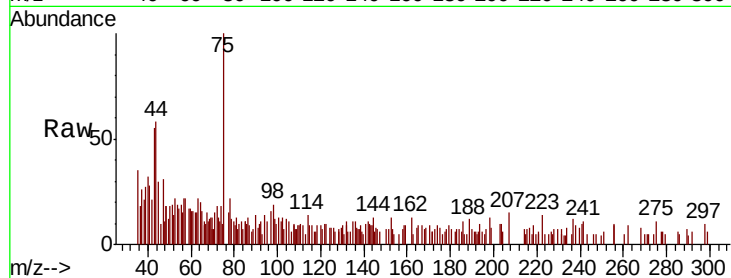
ClientSampled :

Tot Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

72 51.4 20.6 31.0#



#27

cis-1,2-Dichloroethene

Concen: 0.320 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

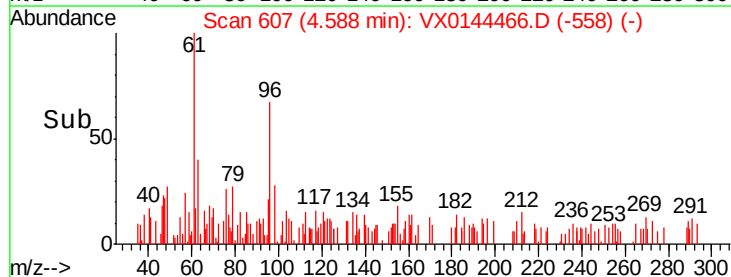
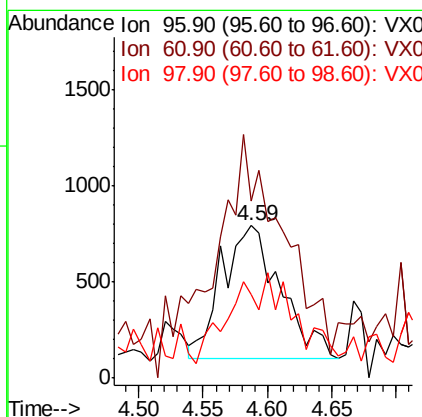
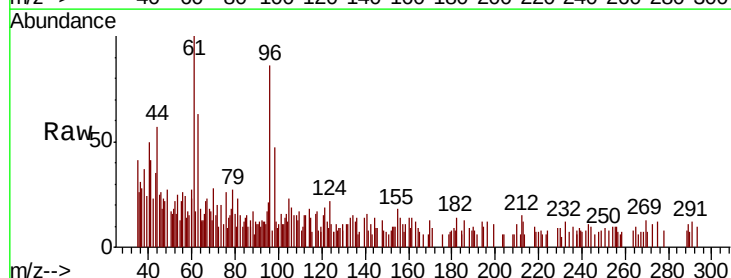
Tgt Ion: 96 Resp: 2180

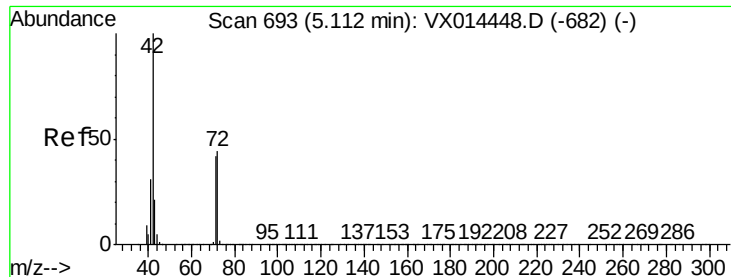
Ion Ratio Lower Upper

96 100

61 229.6 0.0 285.4

98 36.0 0.0 130.6





#29

Tetrahydrofuran

Concen: 0.327 ug/l

RT: 5.10 min Scan# 691

Delta R.T. -0.01 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

Instrument :

MSVOA_X

ClientSampled :

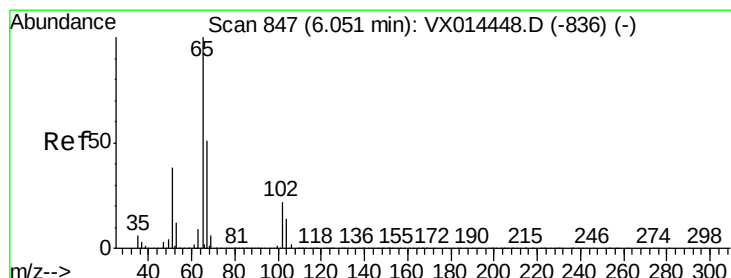
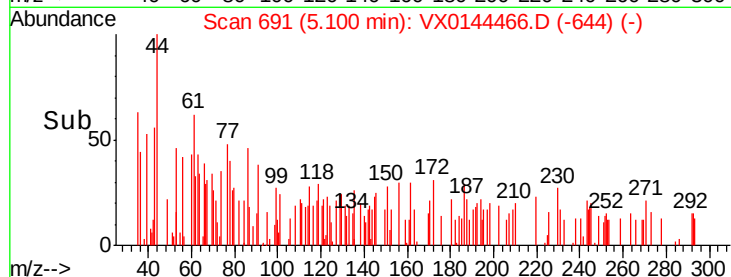
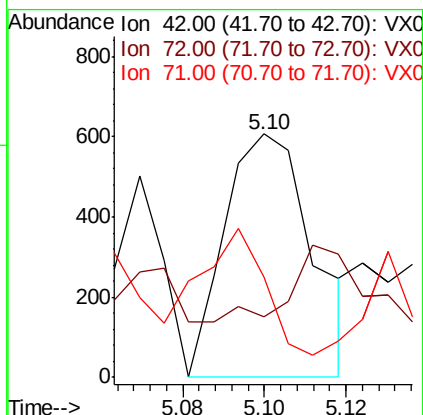
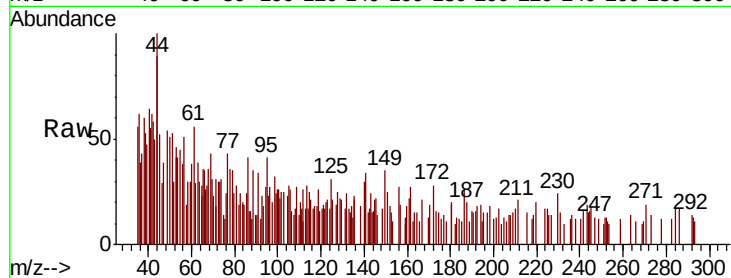
Tot Ion: 42 Resp: 909

Ion Ratio Lower Upper

42 100

72 24.0 36.2 54.4#

71 37.7 34.1 51.1



#33

1,2-Dichloroethane-d4

Concen: 48.921 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX0144466.D

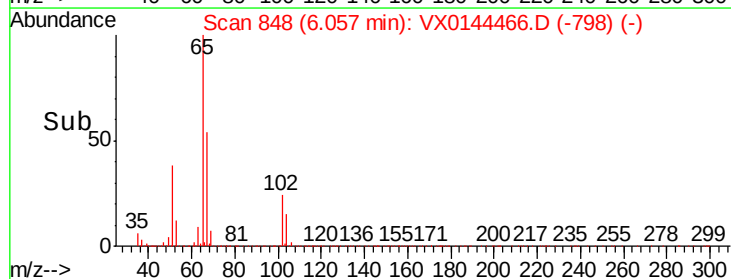
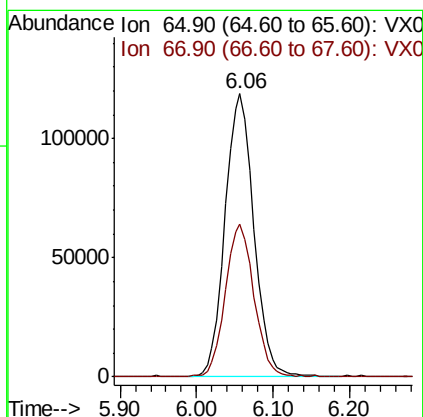
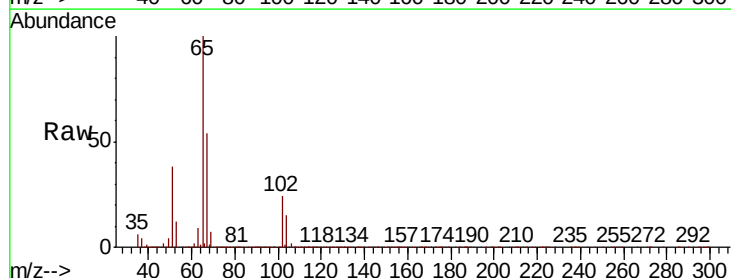
Acq: 08 Jan 2020 13:15

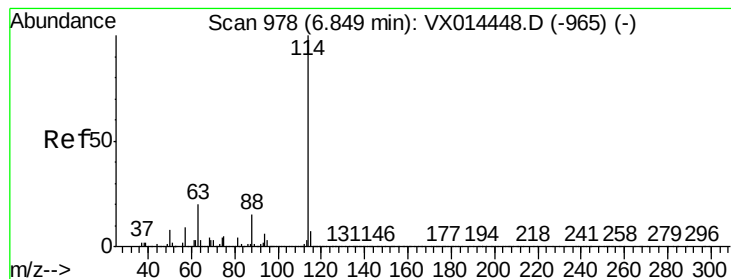
Tgt Ion: 65 Resp: 308214

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

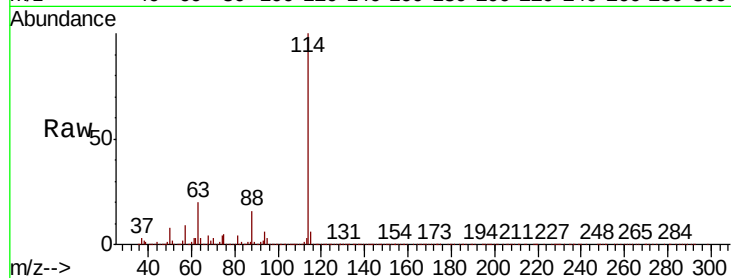
Tot Ion:114 Resp: 868751

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

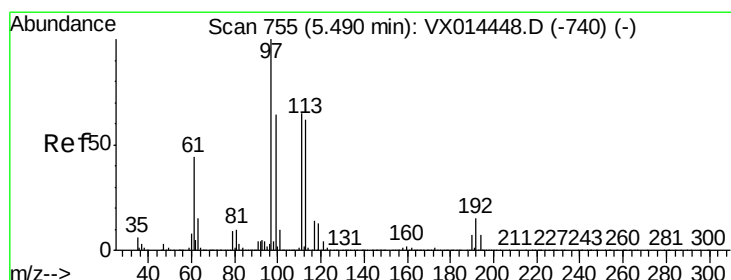
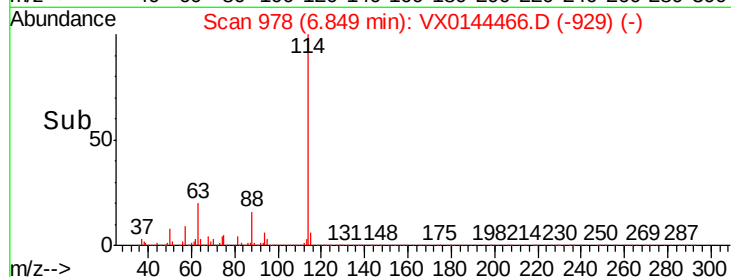
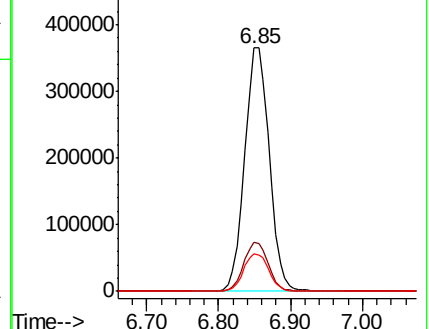
88 15.5 0.0 30.8



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



#35

Dibromofluoromethane

Concen: 48.492 ug/l

RT: 5.50 min Scan# 756

Delta R.T. 0.01 min

Lab File: VX0144466.D

Acq: 08 Jan 2020 13:15

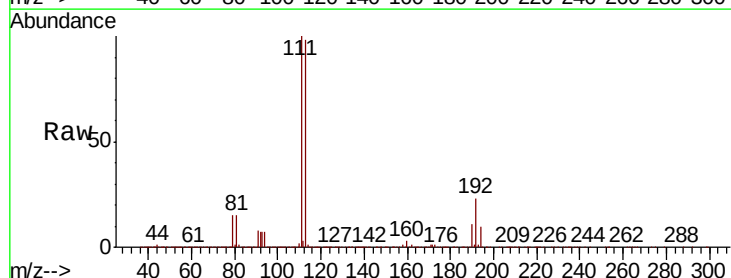
Tgt Ion:113 Resp: 255017

Ion Ratio Lower Upper

113 100

111 103.5 81.5 122.3

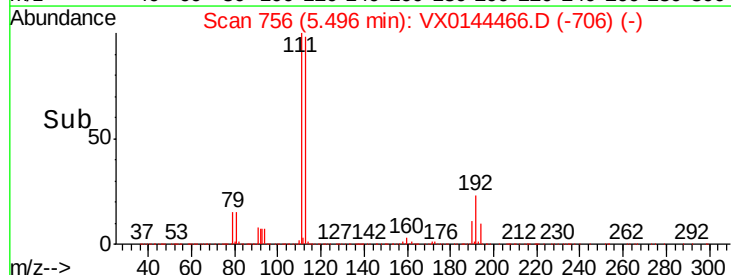
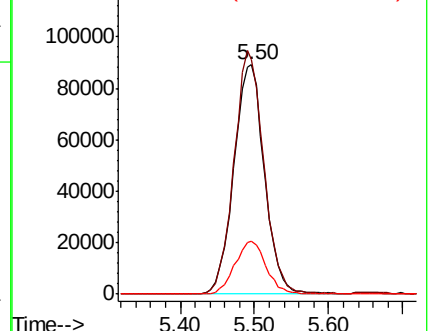
192 23.4 19.2 28.8

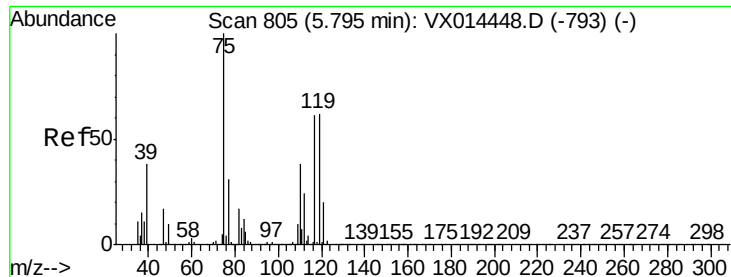


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

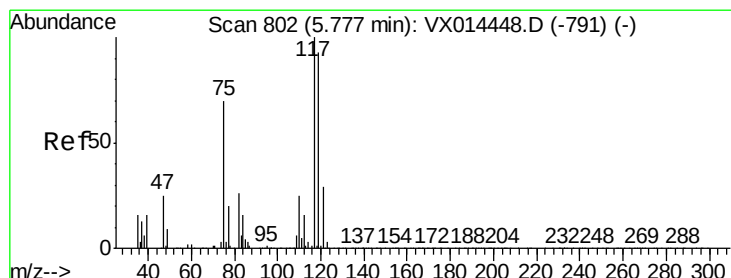
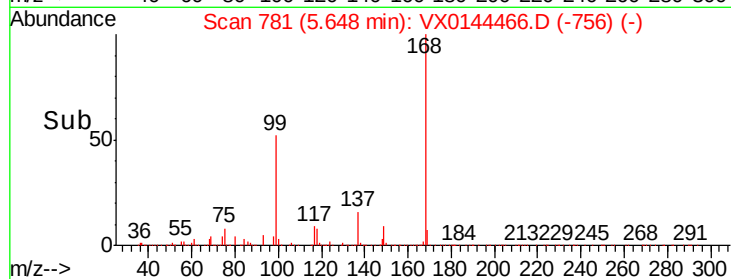
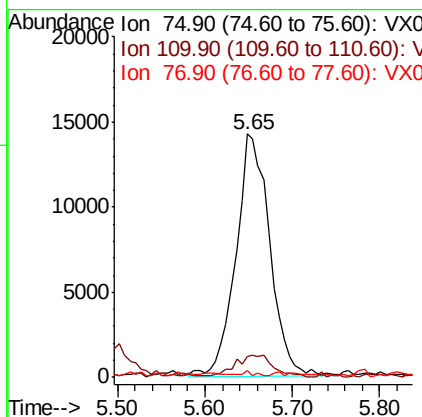
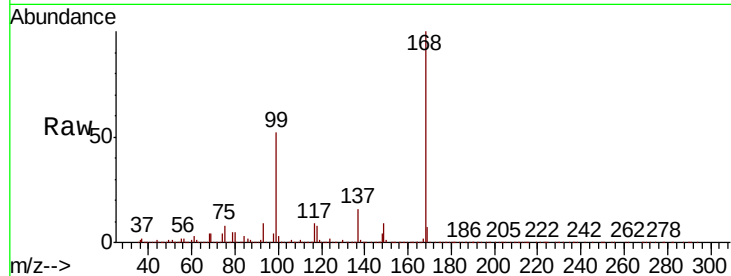




#36
 1,1-Dichloropropene
 Concen: 4.694 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX0144466.D
 Acq: 08 Jan 2020 13:15

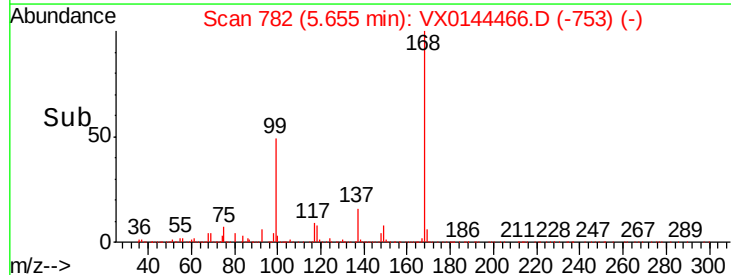
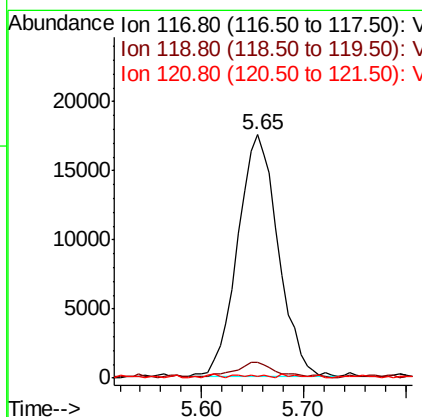
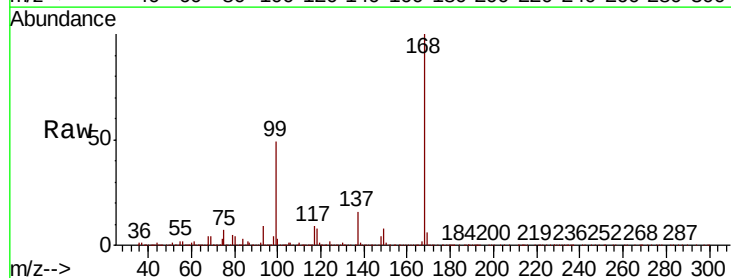
Instrument :
 MSVOA_X
 ClientSampleId :

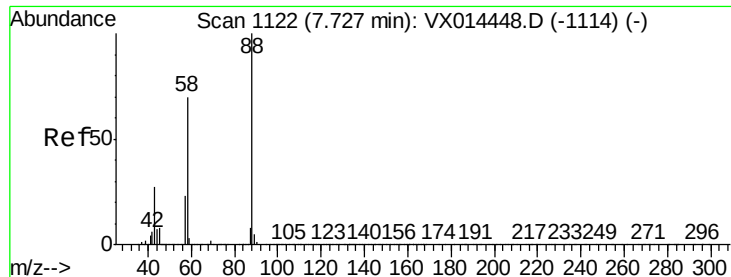
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.6	55.8#
77	0.4	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.457 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX0144466.D
 Acq: 08 Jan 2020 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	73.8	110.8#
121	0.8	23.4	35.0#

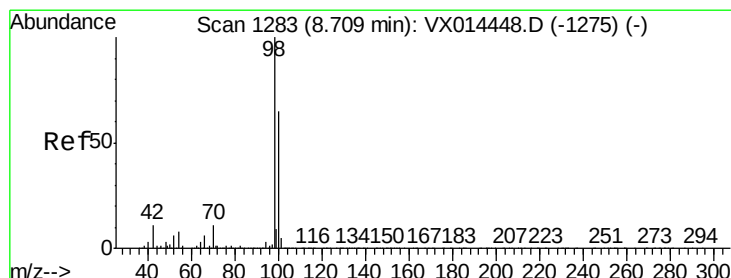
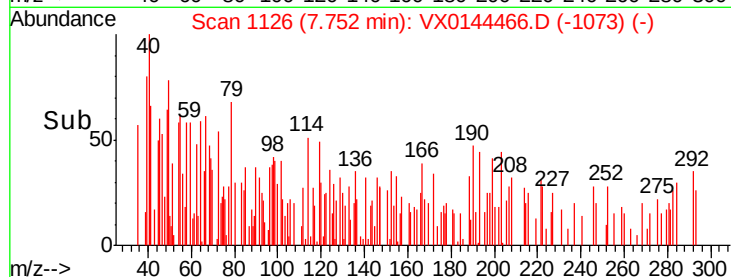
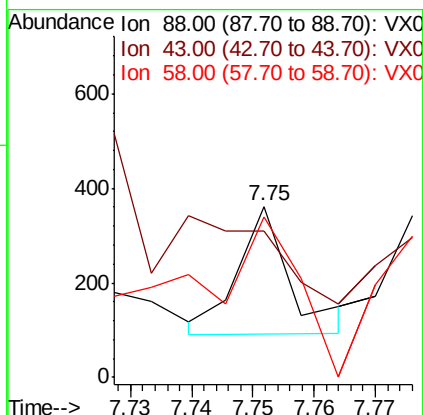
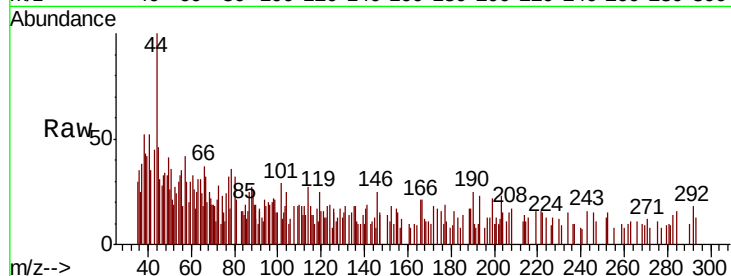




#49
1,4-Dioxane
Concen: 1.100 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VX0144466.D
Acq: 08 Jan 2020 13:15

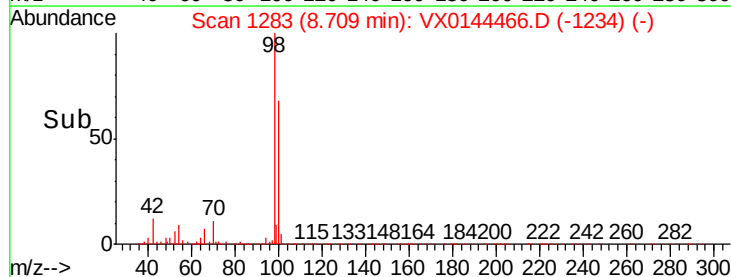
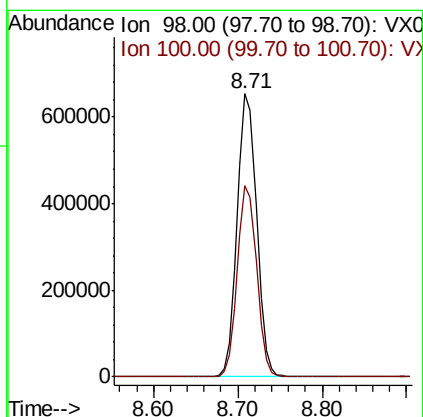
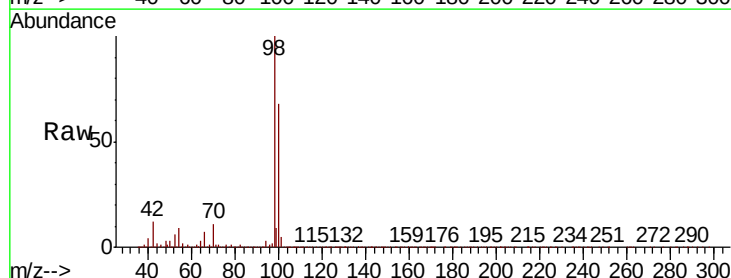
Instrument :
MSVOA_X
ClientSampled :

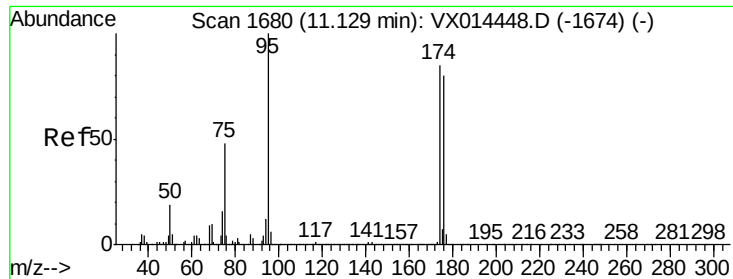
Tot Ion: 88 Resp: 160
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 210.6 57.1 85.7#



#50
Toluene-d8
Concen: 49.877 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX0144466.D
Acq: 08 Jan 2020 13:15

Tgt Ion: 98 Resp: 1017905
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8

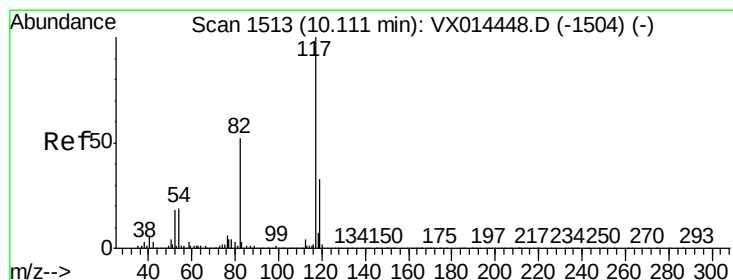
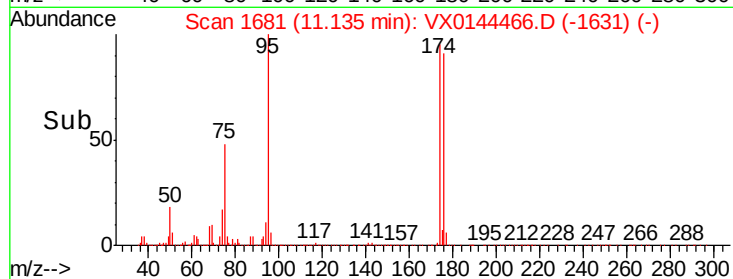
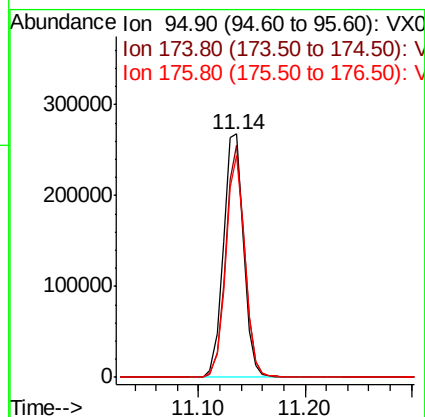
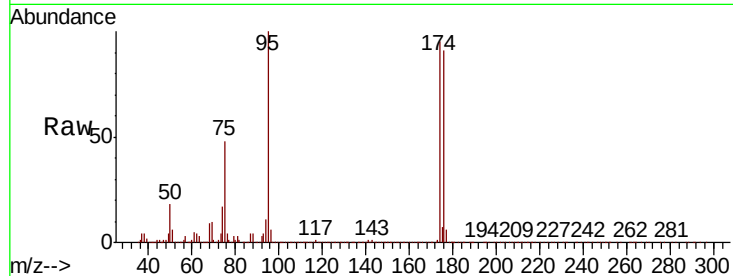




#62
4-Bromofluorobenzene
Concen: 47.344 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX0144466.D
Acq: 08 Jan 2020 13:15

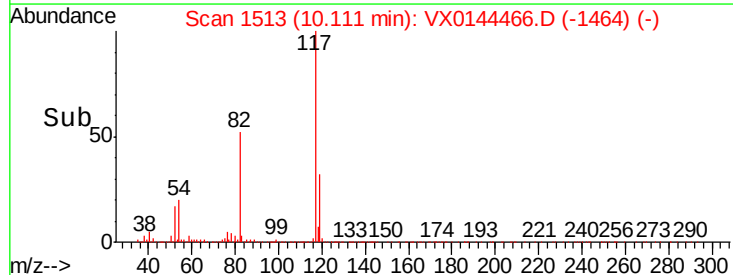
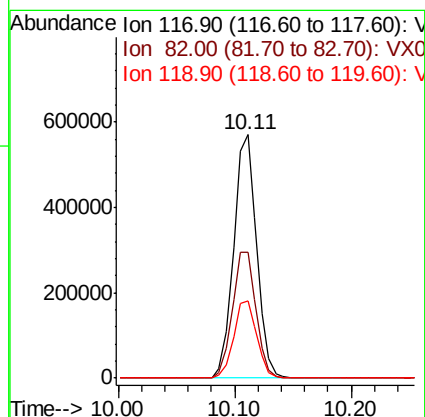
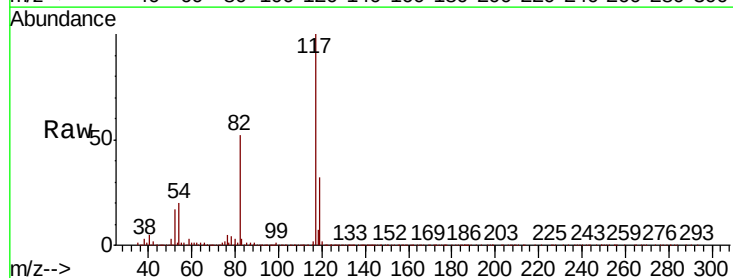
Instrument :
MSVOA_X
ClientSampleId :

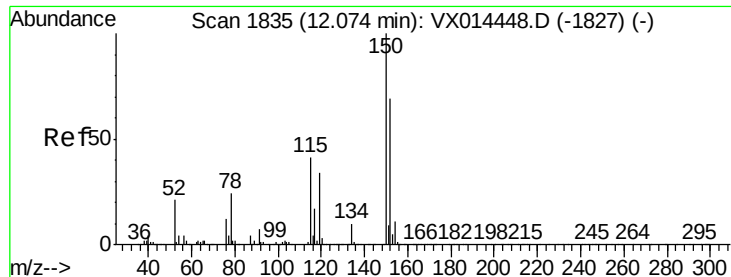
Tot Ion: 95 Resp: 354705
Ion Ratio Lower Upper
95 100
174 89.7 0.0 180.8
176 86.5 0.0 172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX0144466.D
Acq: 08 Jan 2020 13:15

Tgt Ion: 117 Resp: 779192
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.6
119 31.6 26.2 39.4



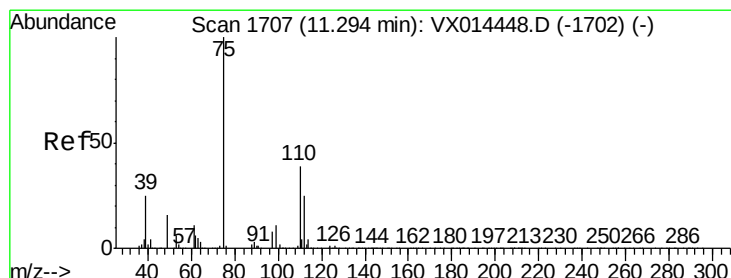
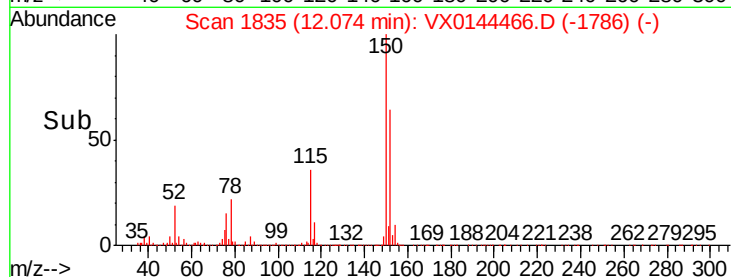
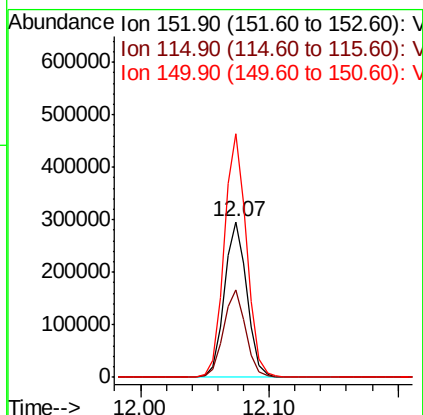
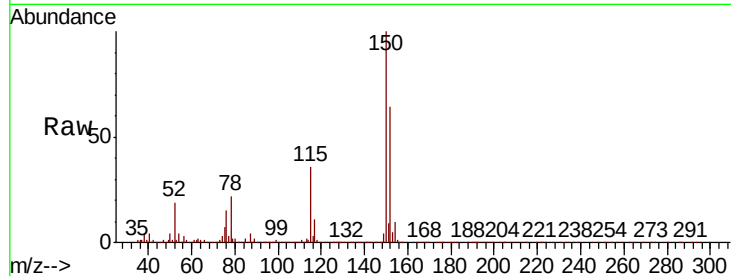


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX0144466.D
Acq: 08 Jan 2020 13:15

Instrument :
MSVOA_X
ClientSampleId :

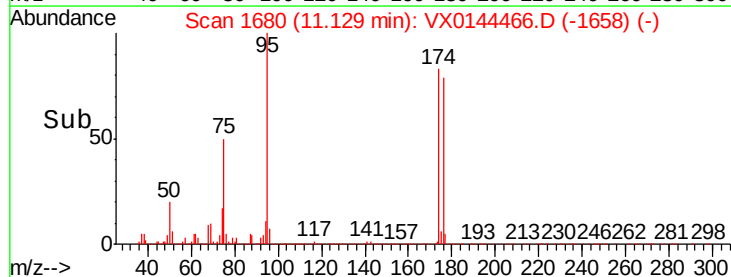
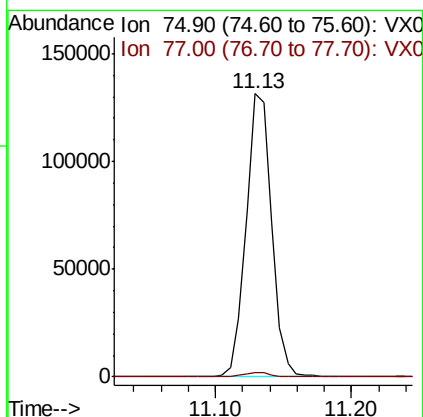
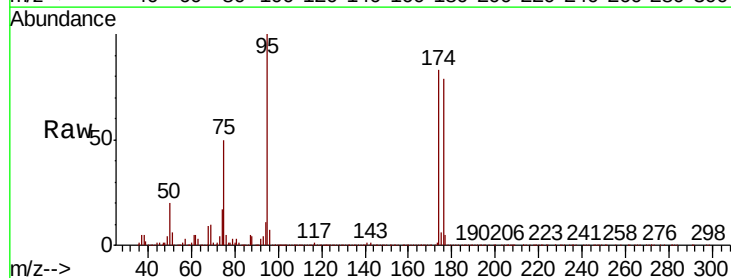
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	39.5	118.3
150	155.2	0.0	350.2

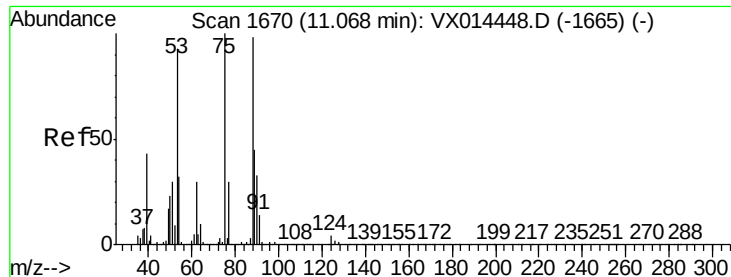


#76

1,2,3-Trichloropropane
Concen: 22.837 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX0144466.D
Acq: 08 Jan 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	21.9	65.7

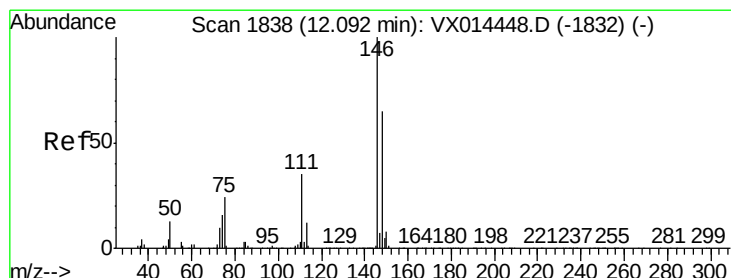
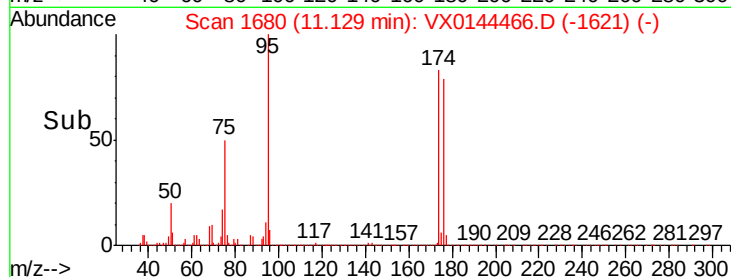
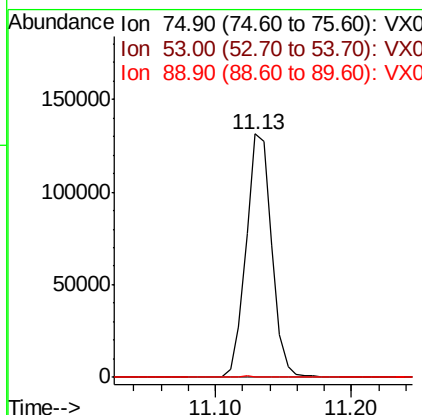
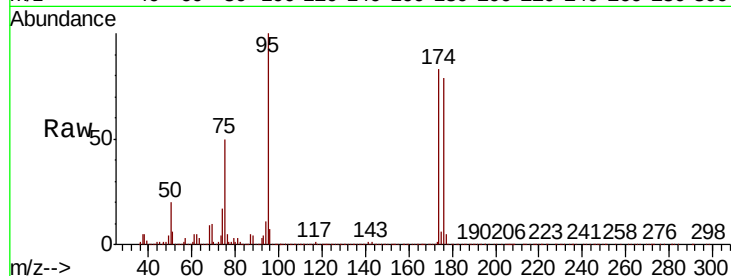




#81
trans-1,4-Dichloro-2-butene
Concen: 60.378 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX0144466.D
Acq: 08 Jan 2020 13:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 172244
Ion Ratio Lower Upper
75 100
53 0.0 74.8 112.2#
89 0.3 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX0144466.D
Acq: 08 Jan 2020 13:15

Tgt Ion:146 Resp: 1124
Ion Ratio Lower Upper
146 100
111 451.9 18.1 54.1#
148 161.6 32.1 96.3#

