

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018368.D
 Acq On : 11 Sep 2020 18:07
 Operator : JC/SP
 Sample : PB131535ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 05:59:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	429697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	699646	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	691136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	329622	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	311513	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
35) Dibromofluoromethane	5.46	113	244185	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	8.70	98	873889	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	11.12	95	327750	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	

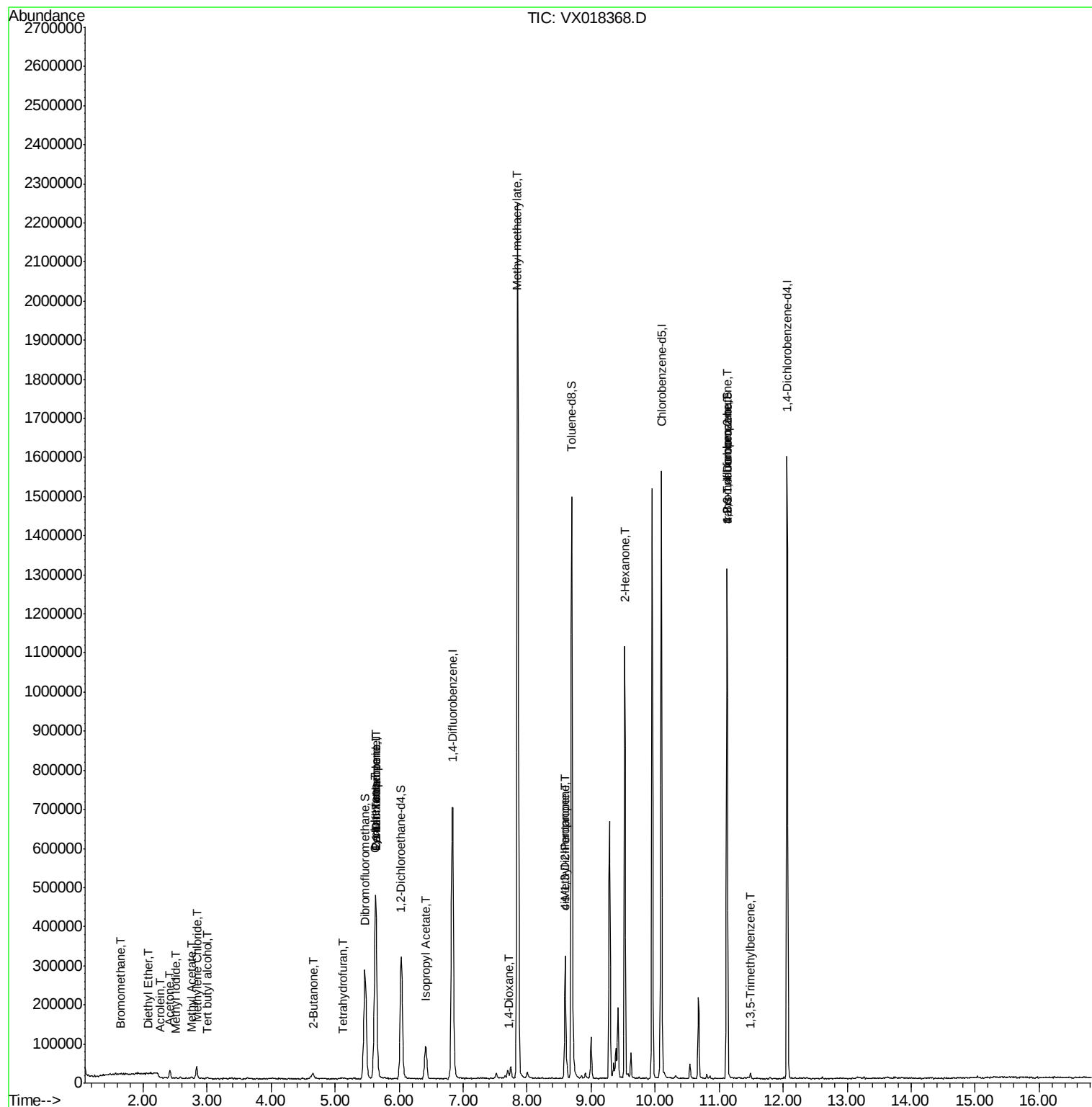
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1257	0.475	ug/l	92
8) Diethyl Ether	2.09	74	666	0.262	ug/l	89
10) Methyl Iodide	2.50	142	679	5.427	ug/l #	76
11) Tert butyl alcohol	2.99	59	2340	2.017	ug/l #	77
13) Acrolein	2.27	56	234	0.487	ug/l	98
16) Acetone	2.42	43	21354	9.187	ug/l #	88
18) Methyl Acetate	2.75	43	5269	0.939	ug/l #	67
20) Methylene Chloride	2.84	84	14690	1.969	ug/l	92
25) 2-Butanone	4.65	43	7167	1.876	ug/l #	89
29) Tetrahydrofuran	5.12	42	2872	1.181	ug/l #	76
31) Cyclohexane	5.62	56	10025	1.404	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	34310	5.317	ug/l #	54
38) Carbon Tetrachloride	5.64	117	46316	6.369	ug/l #	18
43) Isopropyl Acetate	6.42	43	119369	9.861	ug/l #	73
48) Methyl methacrylate	7.85	41	194884	32.339	ug/l #	45
49) 1,4-Dioxane	7.71	88	126	1.154	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	114843	15.358	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	47910	5.687	ug/l #	63
59) 2-Hexanone	9.52	43	124966	21.978	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	167339	22.821	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5500	0.308	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.12	75	167339	61.637	ug/l #	12

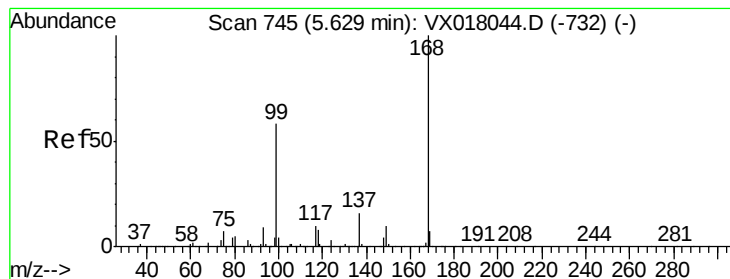
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091120\
Data File : VX018368.D
Acq On : 11 Sep 2020 18:07
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Sample : PB131535ZHE#01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 12 05:59:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018368.D

Acq: 11 Sep 2020 18:07

Instrument :

MSVOA_X

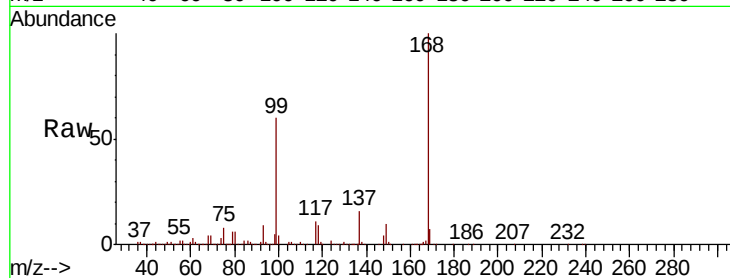
ClientSampleId :

Tot Ion:168 Resp: 429697

Ion Ratio Lower Upper

168 100

99 59.5 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

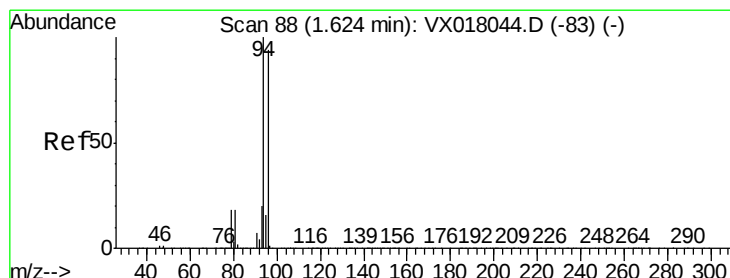
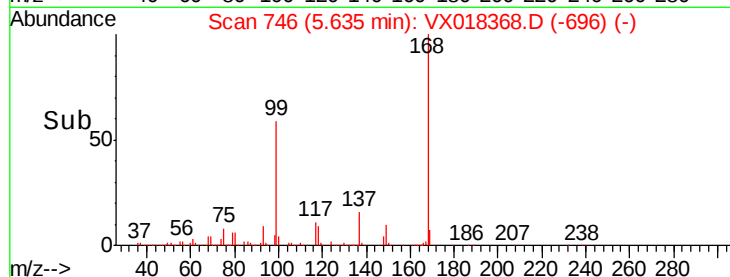
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.475 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018368.D

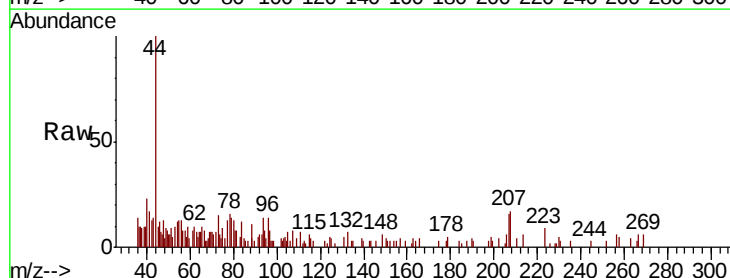
Acq: 11 Sep 2020 18:07

Tgt Ion: 94 Resp: 1257

Ion Ratio Lower Upper

94 100

96 86.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

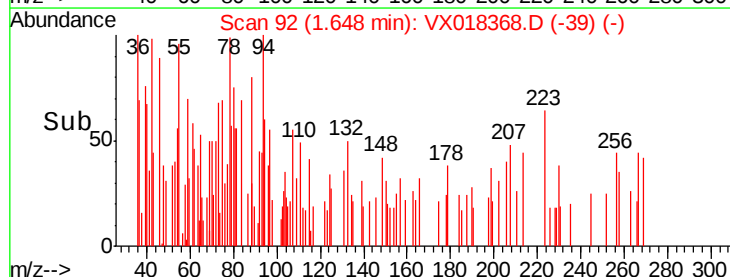
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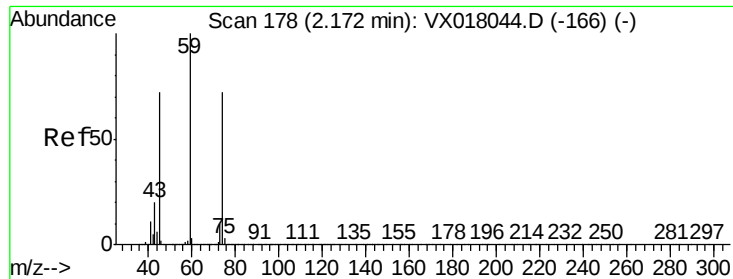
100

0

Time-->

1.55 1.60 1.65 1.70

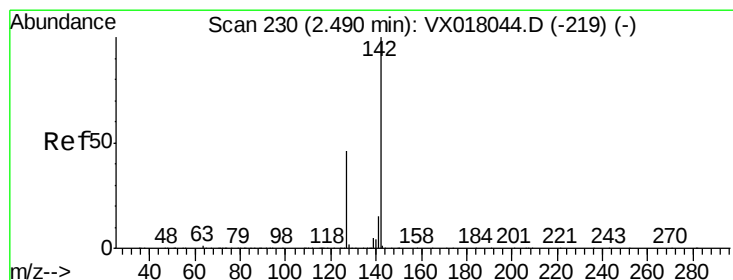
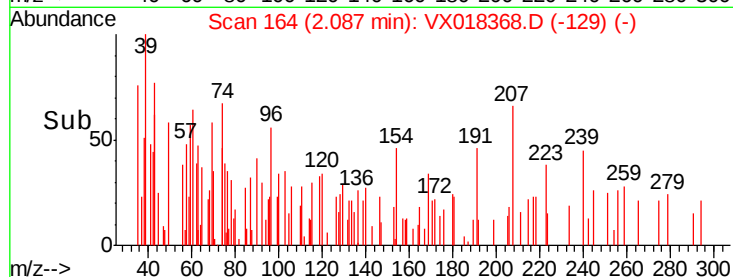
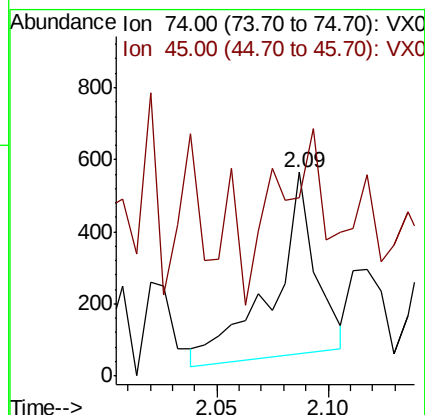
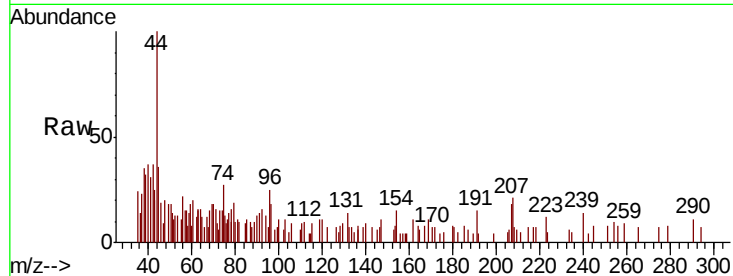




#8
Diethyl Ether
Concen: 0.262 ug/l
RT: 2.09 min Scan# 164
Delta R.T. -0.09 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

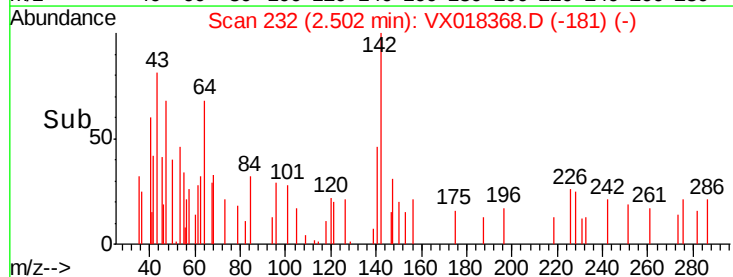
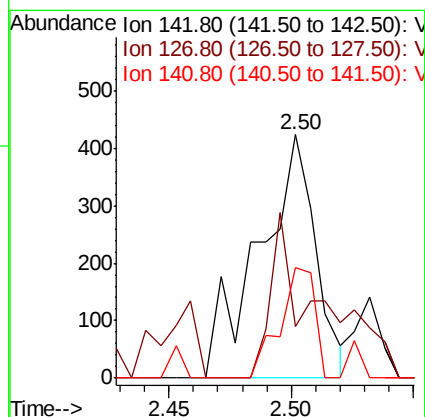
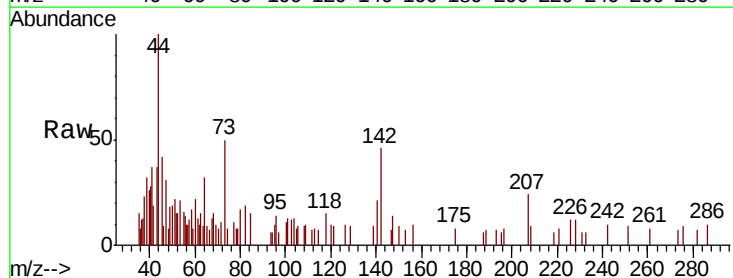
Instrument :
MSVOA_X
ClientSampleId :

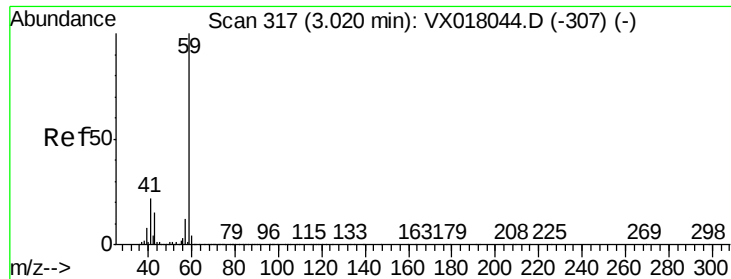
Tot Ion: 74 Resp: 666
Ion Ratio Lower Upper
74 100
45 112.5 50.7 152.3



#10
Methyl Iodide
Concen: 5.427 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

Tgt Ion:142 Resp: 679
Ion Ratio Lower Upper
142 100
127 32.1 37.0 55.6#
141 28.1 11.5 17.3#

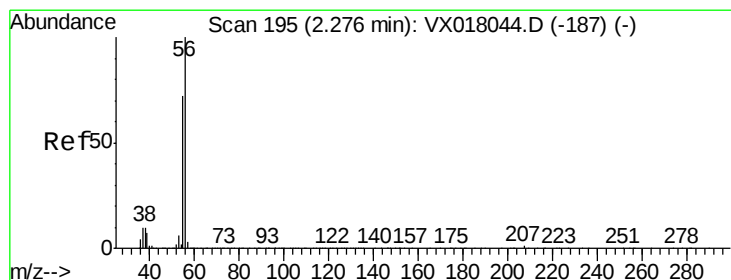
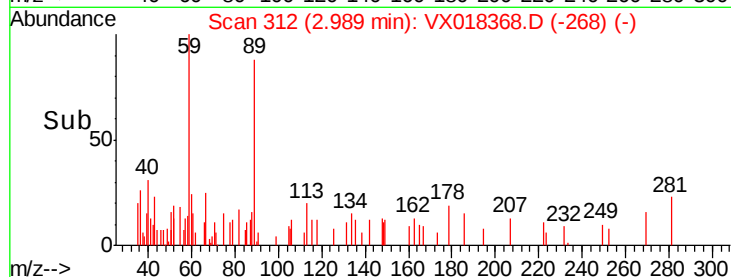
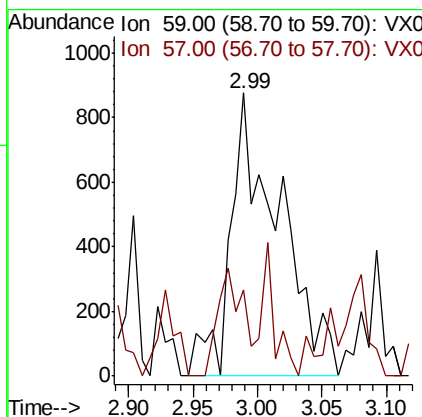
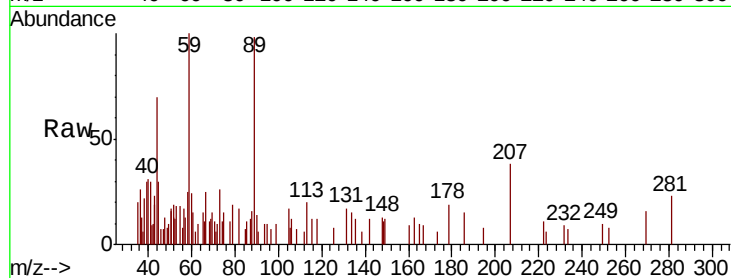




#11
Tert butvl alcohol
Concen: 2.017 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

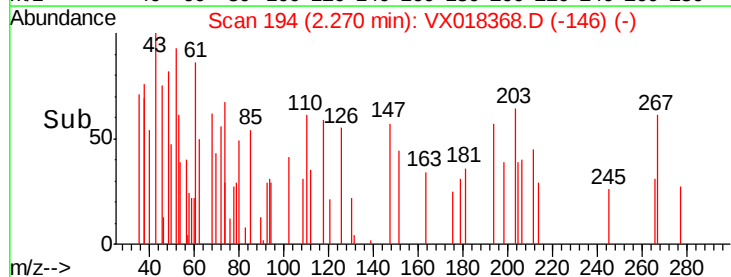
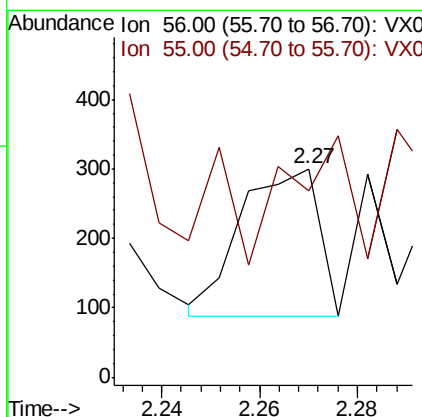
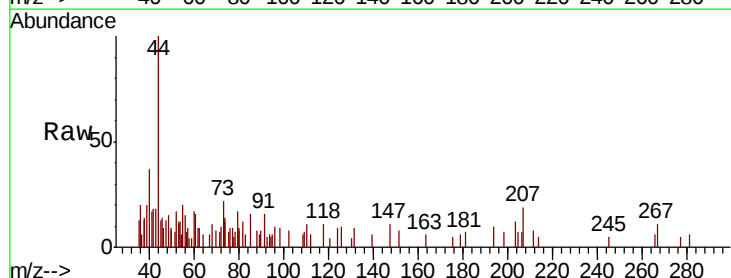
Instrument :
MSVOA_X
ClientSampled :

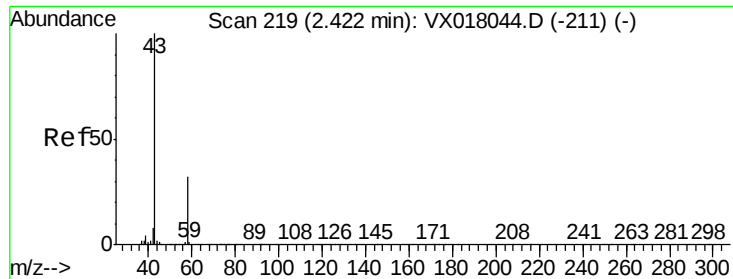
Tot Ion: 59 Resp: 2340
Ion Ratio Lower Upper
59 100
57 19.7 8.9 13.3#



#13
Acrolein
Concen: 0.487 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

Tgt Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 69.2 57.0 85.6

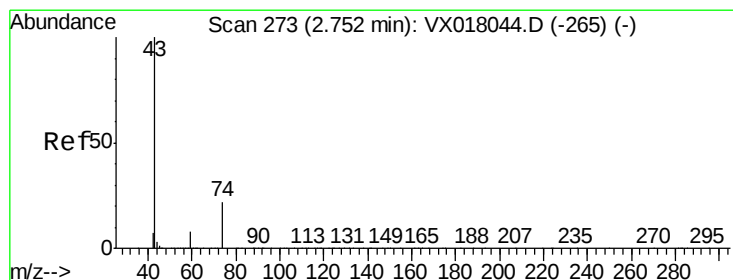
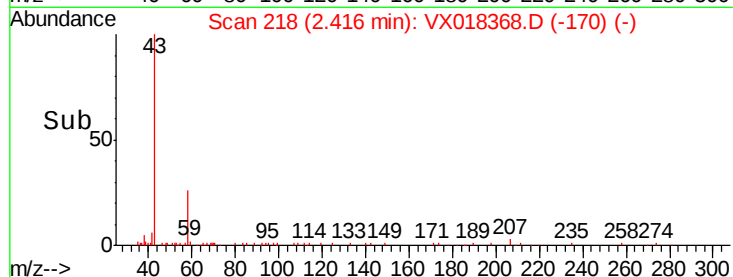
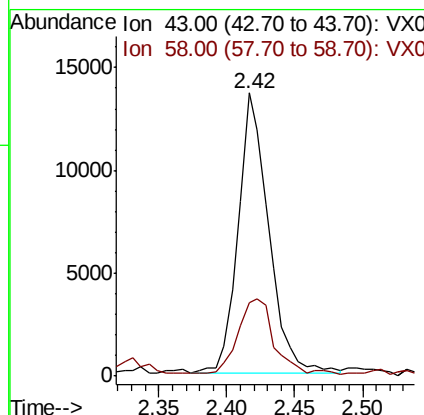
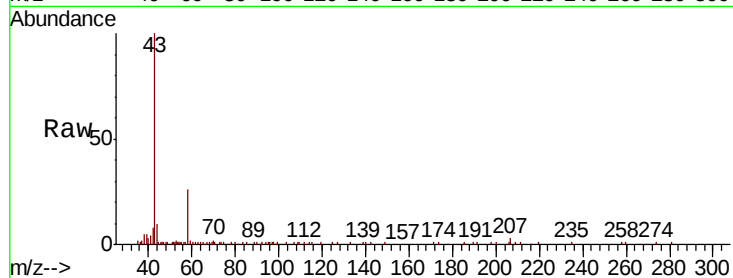




#16
Acetone
Concen: 9.187 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

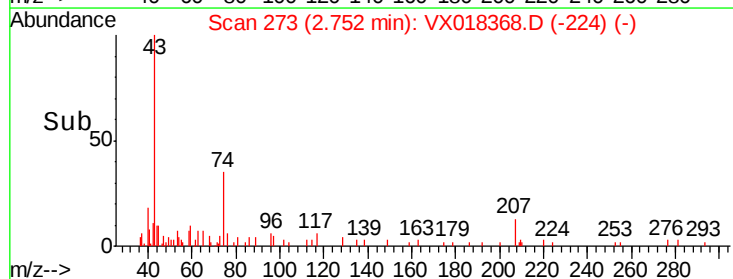
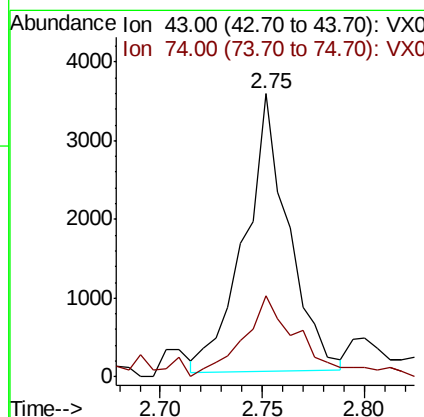
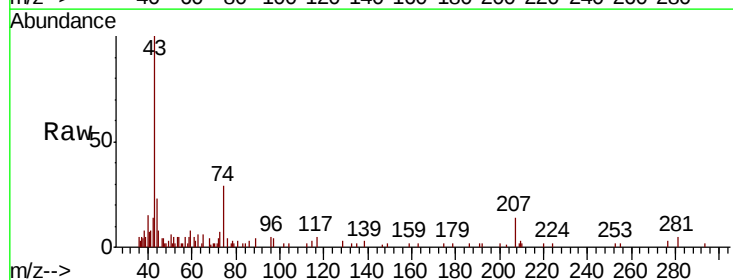
Instrument :
MSVOA_X
ClientSampleId :

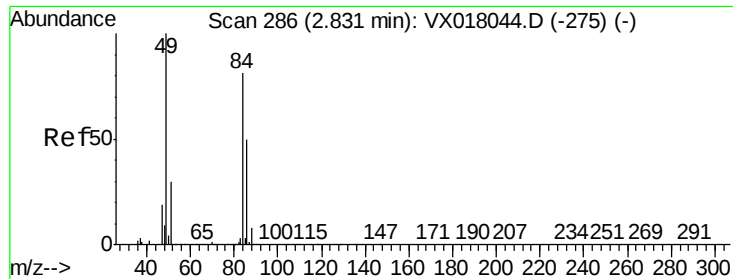
Tot Ion: 43 Resp: 21354
Ion Ratio Lower Upper
43 100
58 25.1 25.5 38.3#



#18
Methyl Acetate
Concen: 0.939 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

Tgt Ion: 43 Resp: 5269
Ion Ratio Lower Upper
43 100
74 39.0 18.2 27.4#

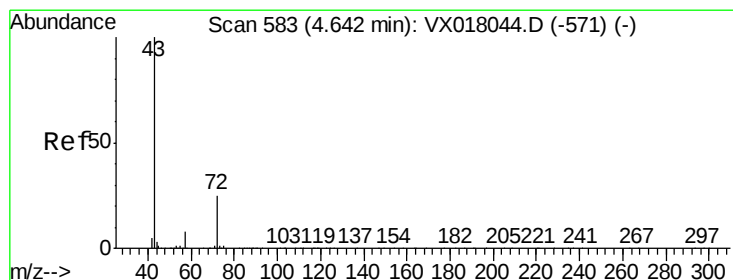
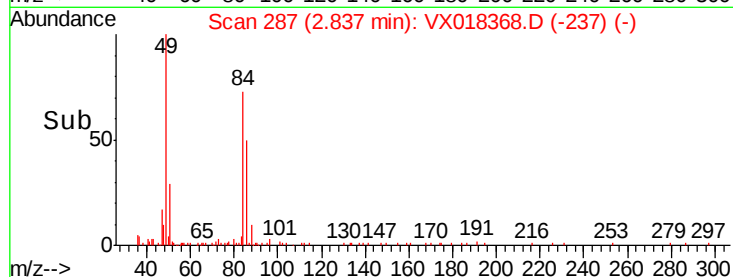
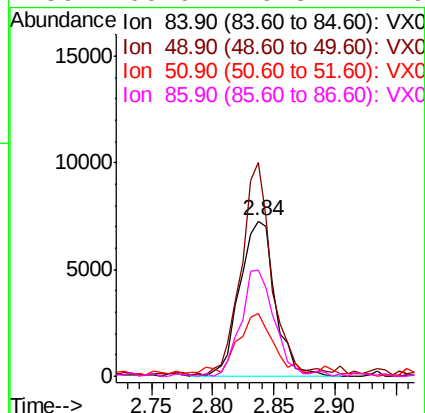
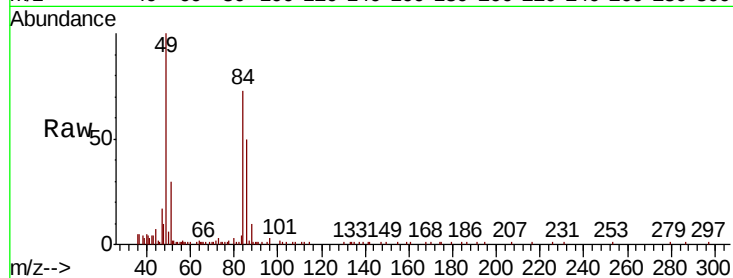




#20
Methvlene Chloride
Concen: 1.969 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

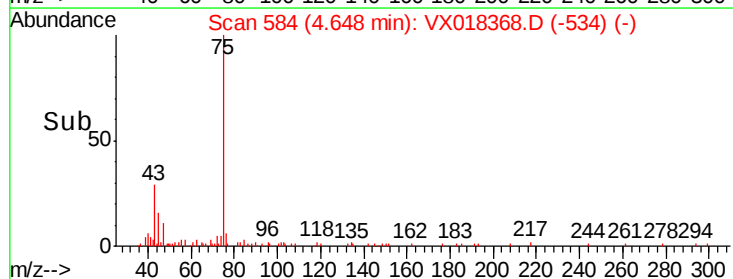
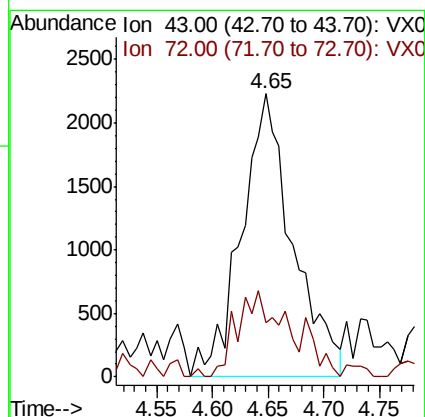
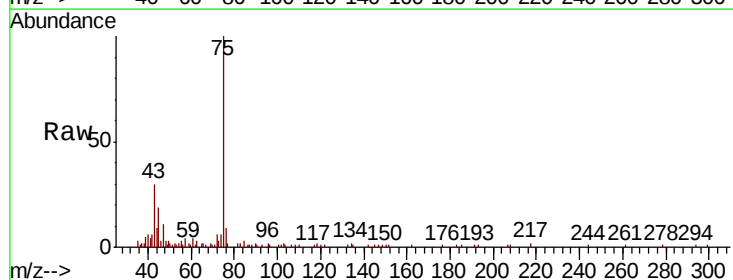
Instrument :
MSVOA_X
ClientSampleId :

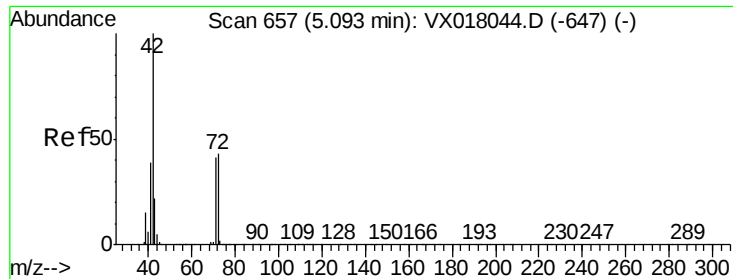
Tot Ion:	84	Resp:	14690
Ion	Ratio	Lower	Upper
84	100		
49	136.2	98.6	148.0
51	38.9	29.6	44.4
86	66.6	49.8	74.6



#25
2-Butanone
Concen: 1.876 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

Tgt Ion:	43	Resp:	7167
Ion	Ratio	Lower	Upper
43	100		
72	19.3	19.8	29.6#

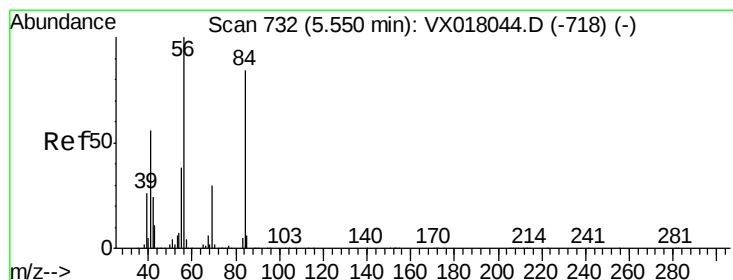
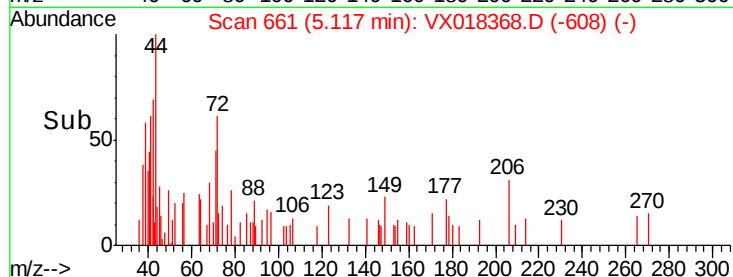
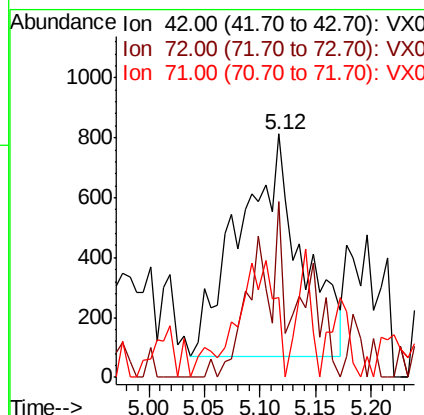
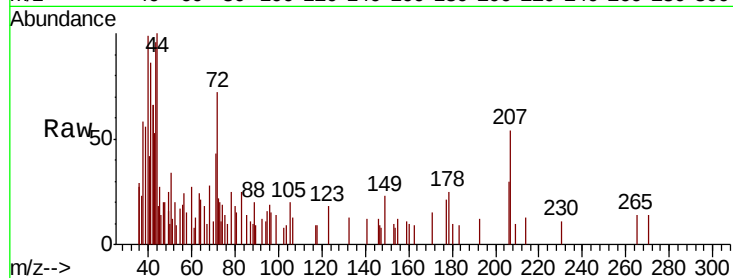




#29
Tetrahydrofuran
Concen: 1.181 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

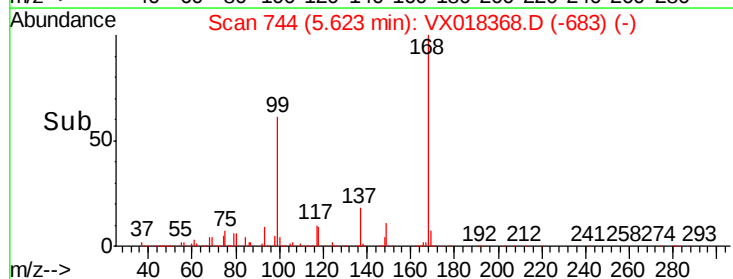
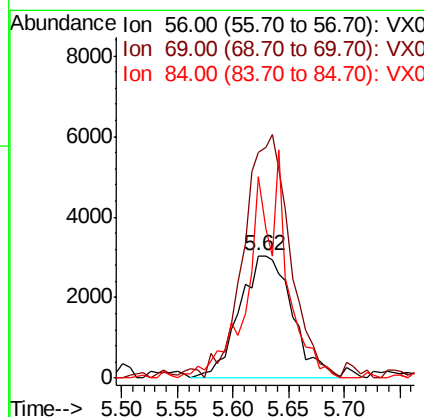
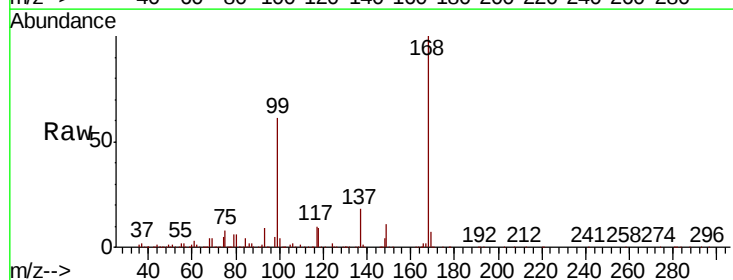
Instrument :
MSVOA_X
ClientSampled :

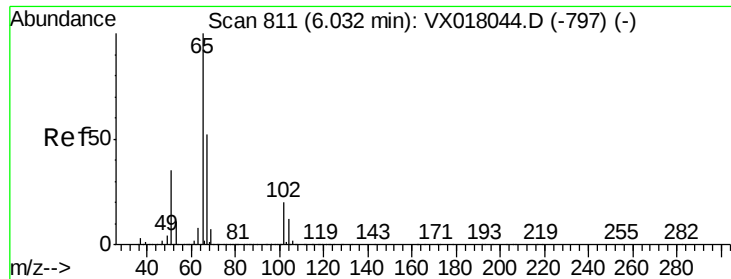
Tot Ion: 42 Resp: 2872
Ion Ratio Lower Upper
42 100
72 23.4 34.2 51.4#
71 29.6 32.1 48.1#



#31
Cyclohexane
Concen: 1.404 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

Tgt Ion: 56 Resp: 10025
Ion Ratio Lower Upper
56 100
69 184.4 23.9 35.9#
84 164.8 67.0 100.4#

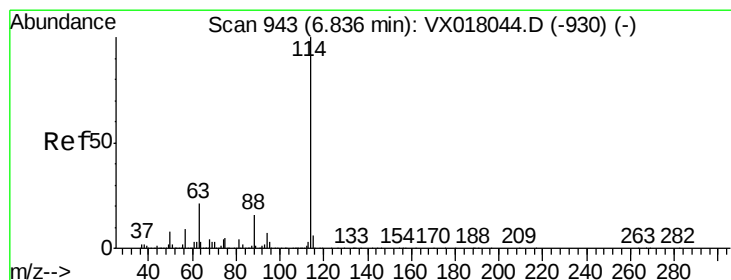
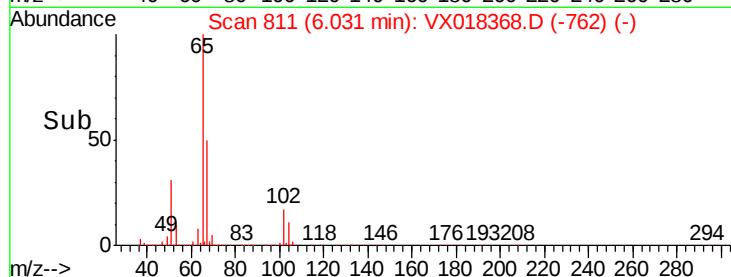
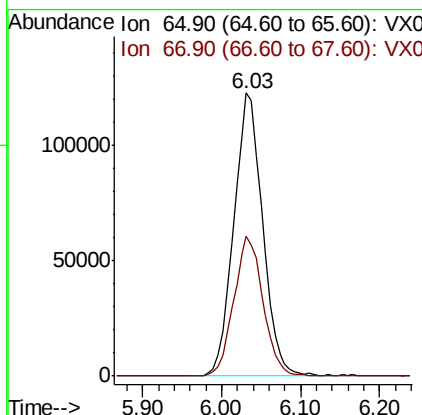
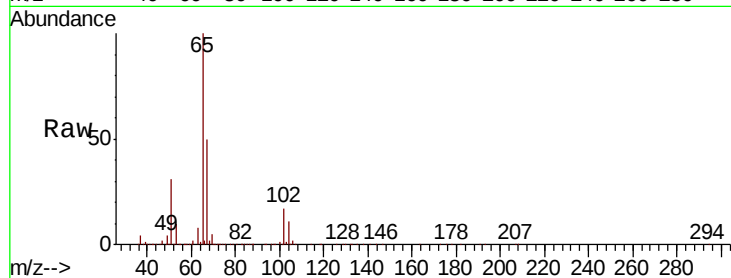




#33
 1,2-Dichloroethane-d4
 Concen: 52.221 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018368.D
 Acq: 11 Sep 2020 18:07

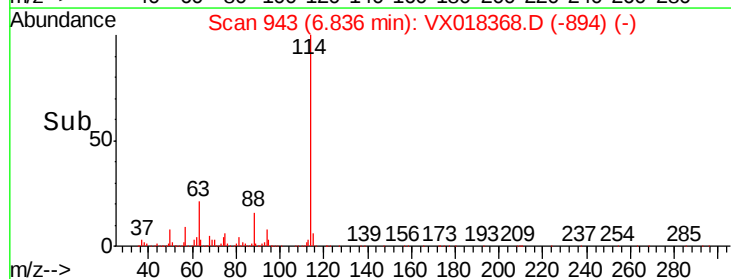
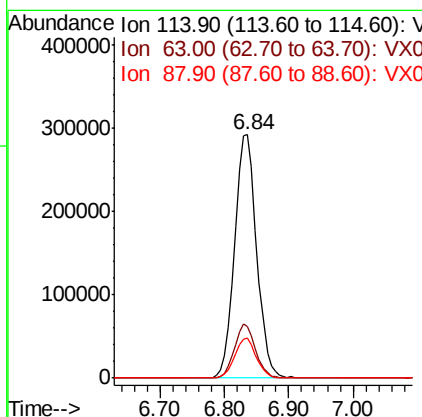
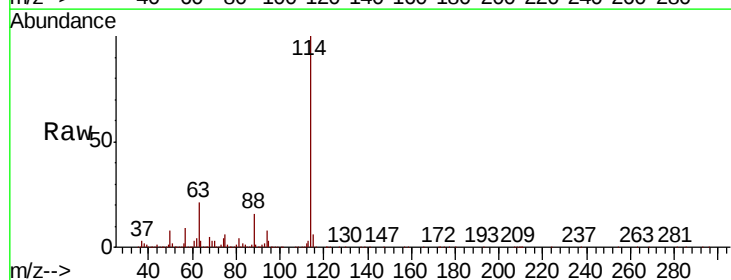
Instrument :
 MSVOA_X
 ClientSampled :

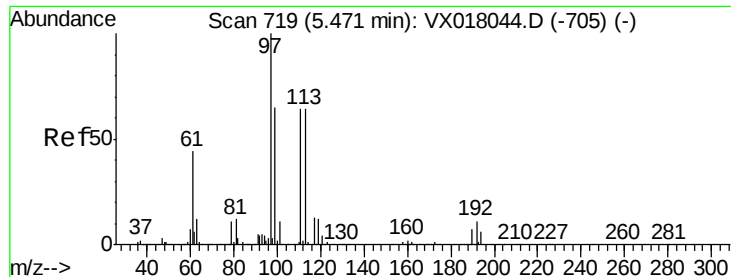
Tot Ion: 65 Resp: 311513
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018368.D
 Acq: 11 Sep 2020 18:07

Tgt Ion: 114 Resp: 699646
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 16.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.246 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018368.D

Acq: 11 Sep 2020 18:07

Instrument :
MSVOA_X
ClientSampled :

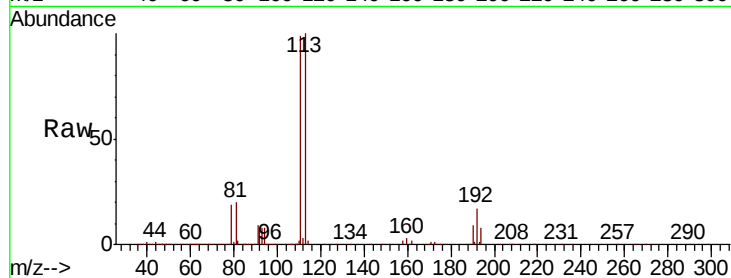
Tot Ion:113 Resp: 244185

Ion Ratio Lower Upper

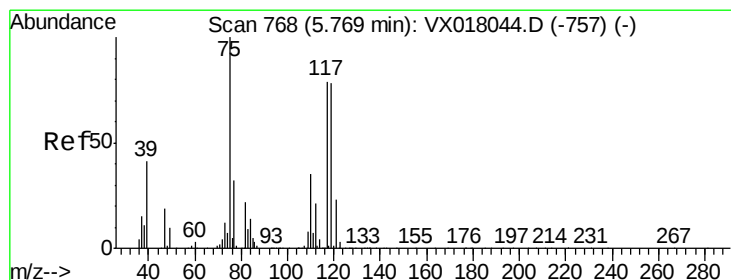
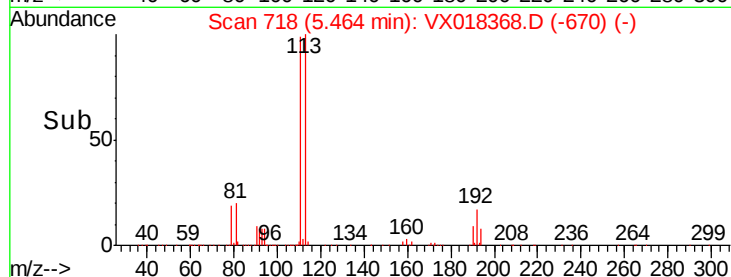
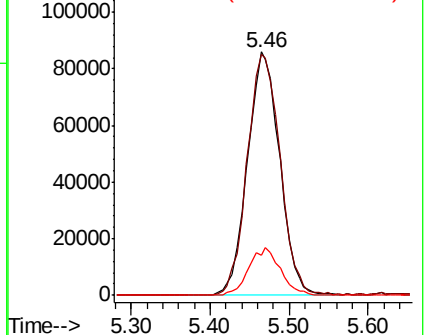
113 100

111 101.5 81.6 122.4

192 19.3 15.8 23.8



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: 5.317 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018368.D

Acq: 11 Sep 2020 18:07

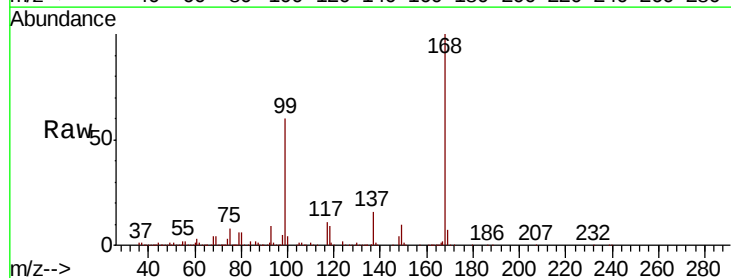
Tgt Ion: 75 Resp: 34310

Ion Ratio Lower Upper

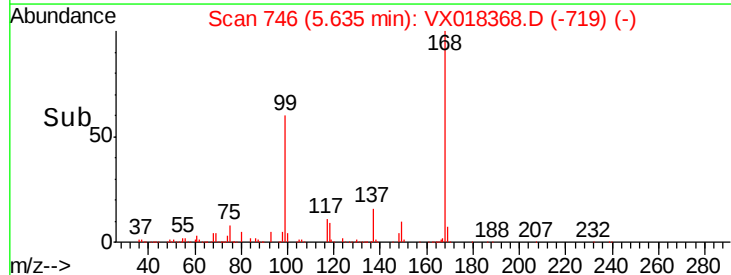
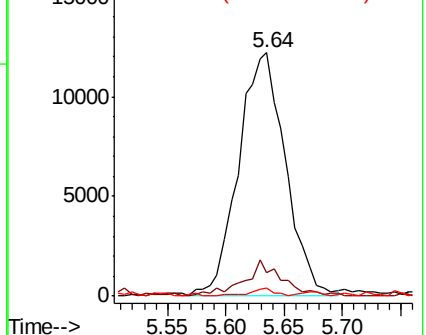
75 100

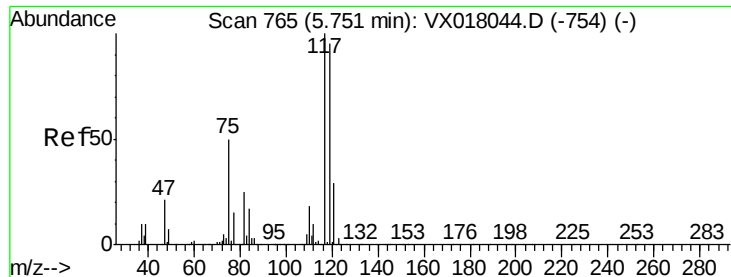
110 12.1 18.0 54.0#

77 1.7 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

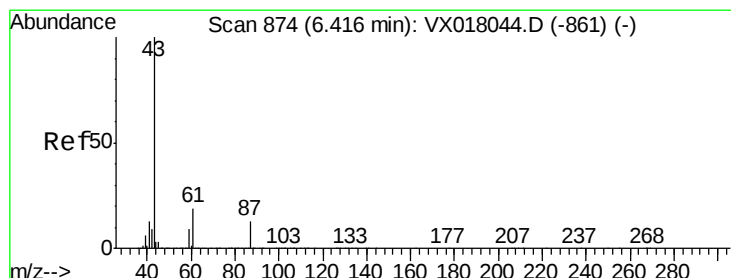
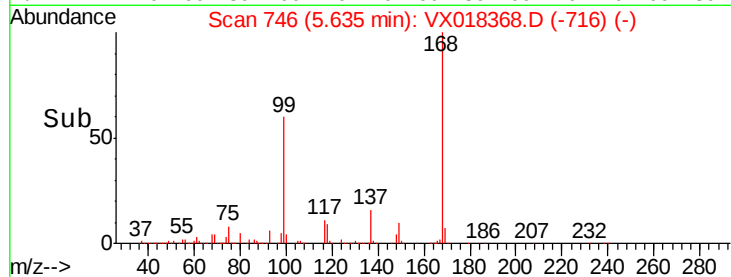
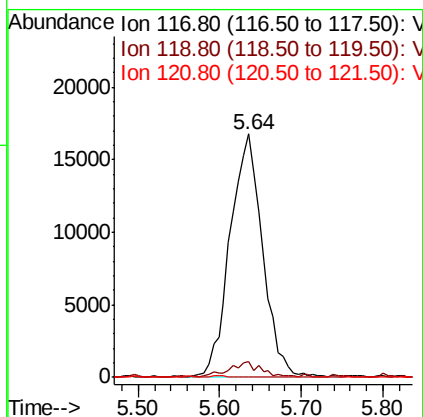
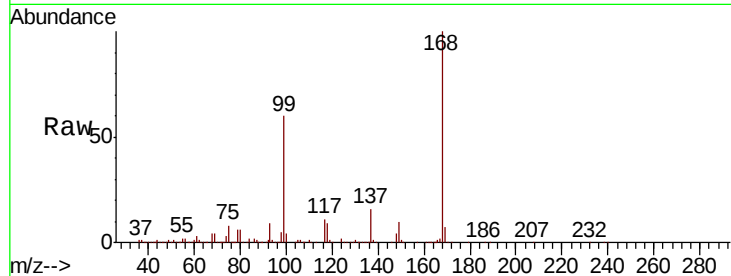




#38
Carbon Tetrachloride
Concen: 6.369 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

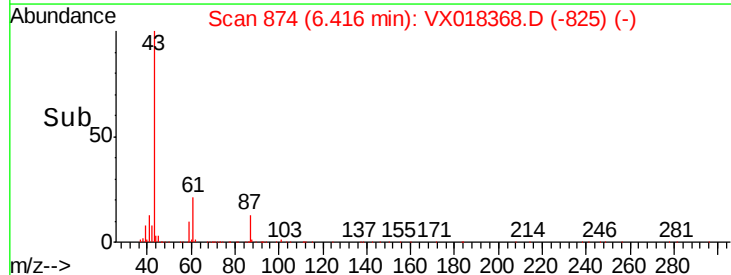
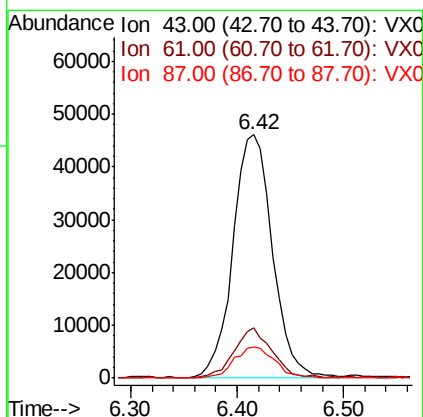
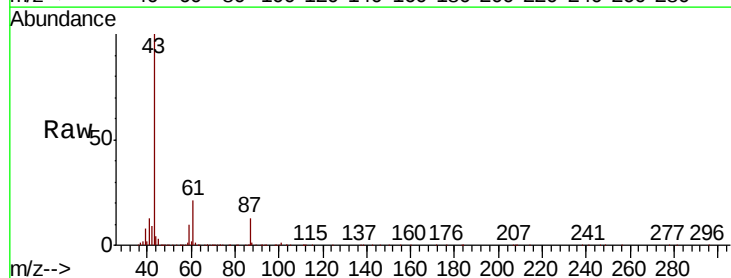
Instrument :
MSVOA_X
ClientSampleId :

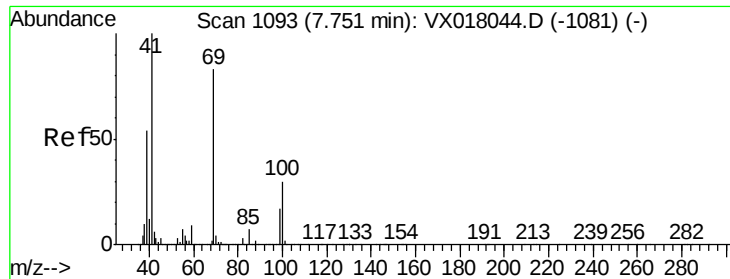
Tot Ion:117 Resp: 46316
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 23.4 35.0#



#43
Isopropyl Acetate
Concen: 9.861 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

Tgt Ion: 43 Resp: 119369
Ion Ratio Lower Upper
43 100
61 0.0 15.7 23.5#
87 13.5 10.3 15.5

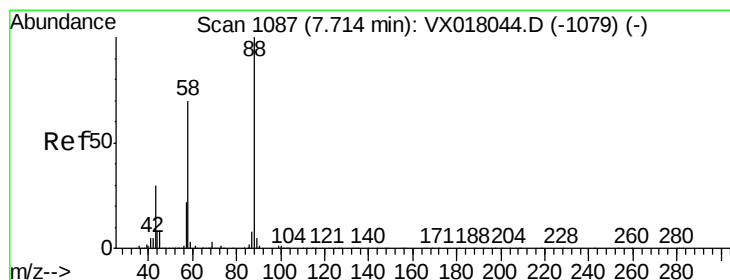
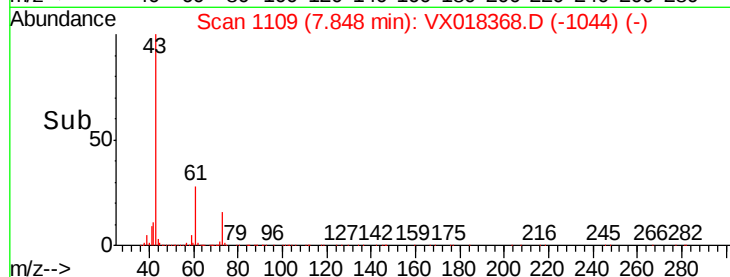
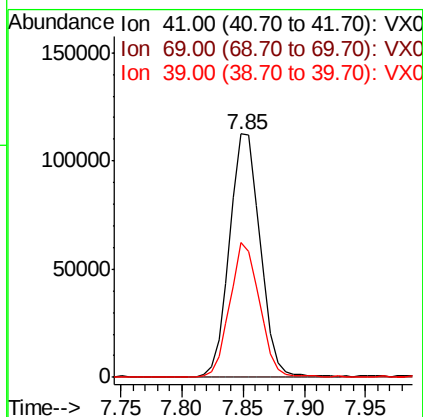
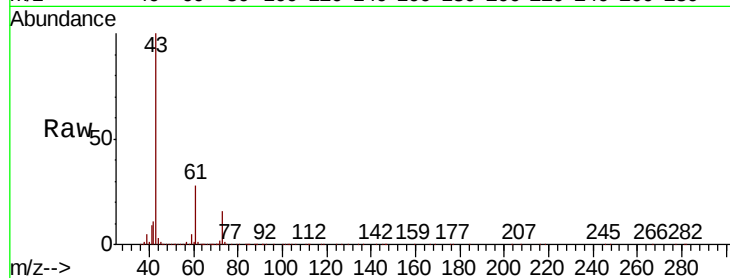




#48
Methvl methacrylate
Concen: 32.339 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.10 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

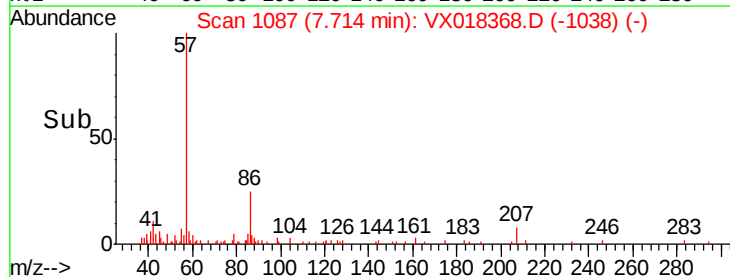
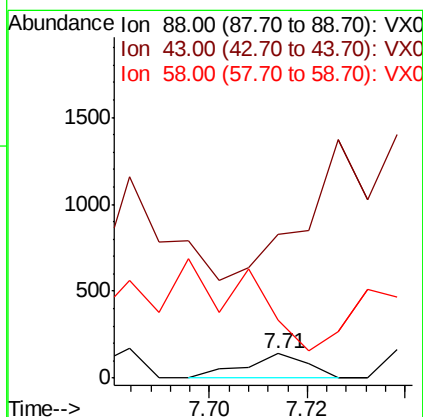
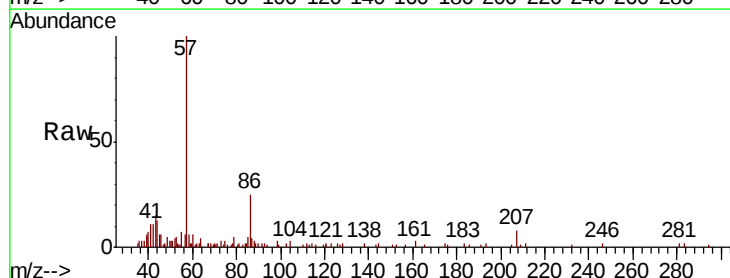
Instrument :
MSVOA_X
ClientSampleId :

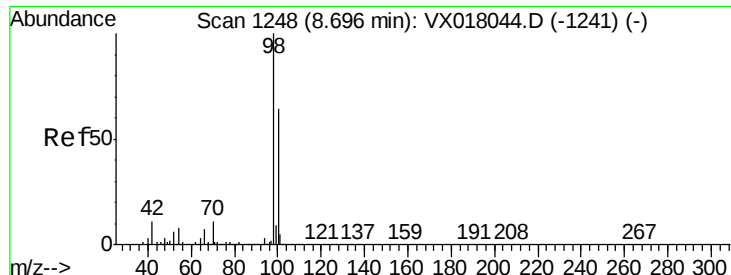
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.4	65.5	98.3#
39	54.4	44.5	66.7



#49
1,4-Dioxane
Concen: 1.154 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	0.0	56.4	84.6#





#50

Toluene-d8

Concen: 49.241 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018368.D

Acq: 11 Sep 2020 18:07

Instrument :

MSVOA_X

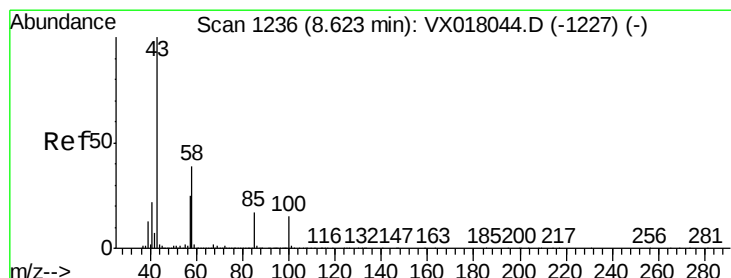
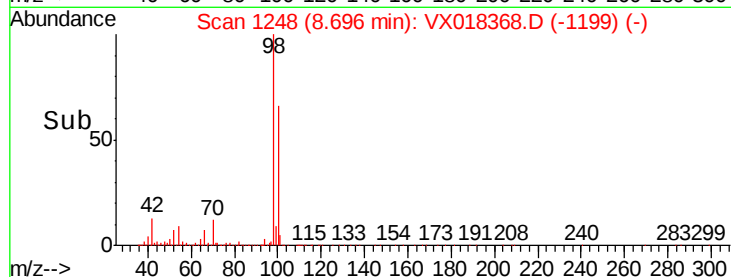
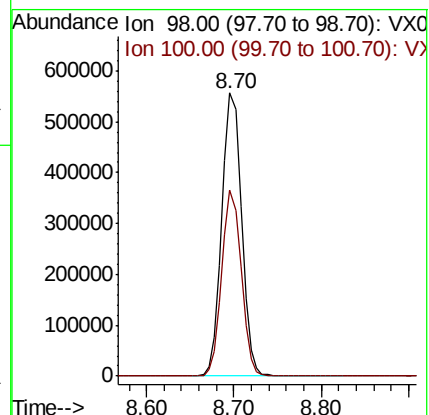
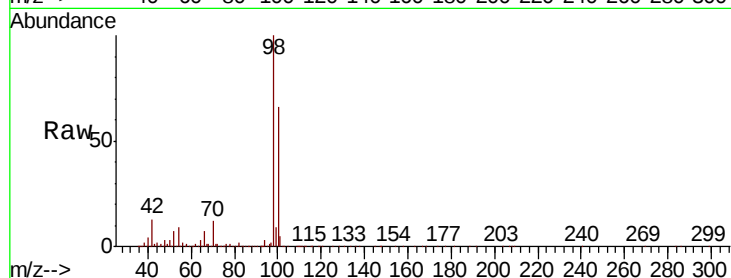
ClientSampleId :

Tot Ion: 98 Resp: 873889

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 15.358 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018368.D

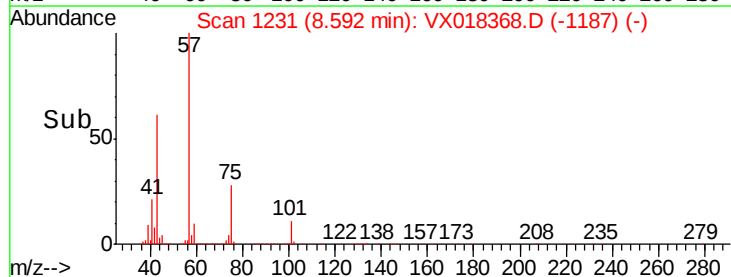
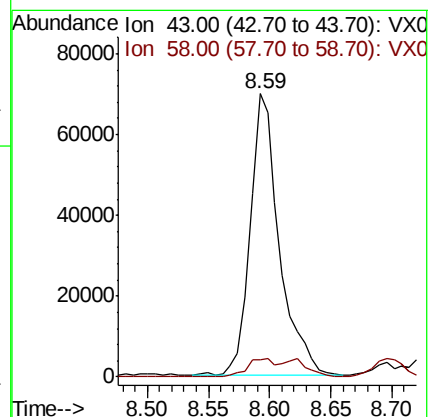
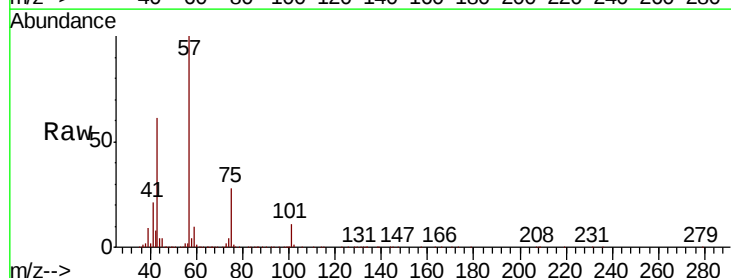
Acq: 11 Sep 2020 18:07

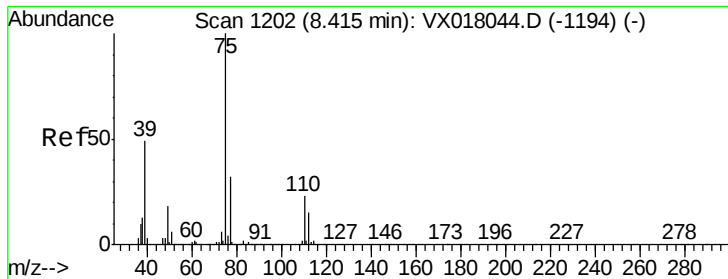
Tgt Ion: 43 Resp: 114843

Ion Ratio Lower Upper

43 100

58 6.9 30.7 46.1#



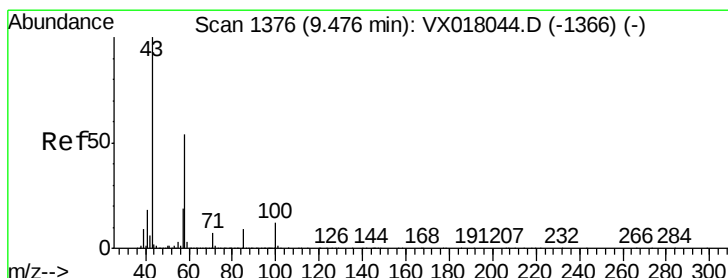
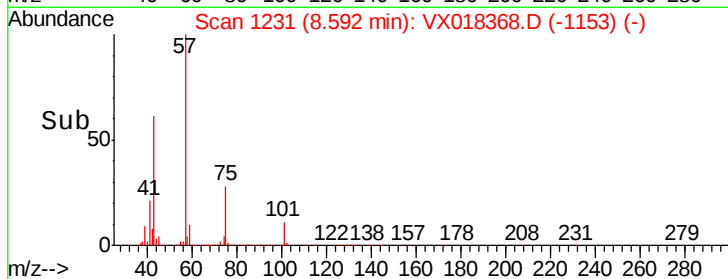
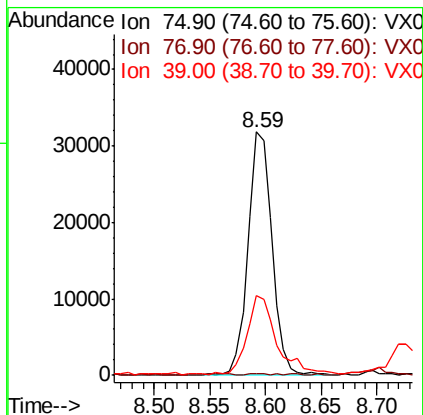
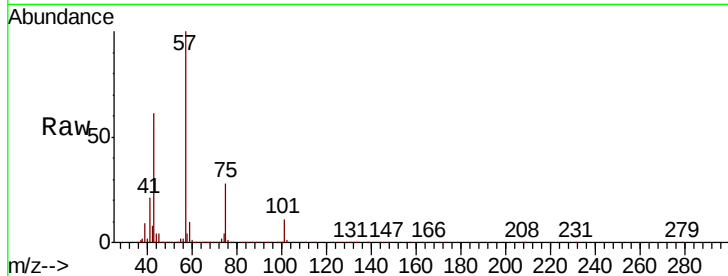


#54

cis-1,3-Dichloropropene
 Concen: 5.687 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX018368.D
 Acq: 11 Sep 2020 18:07

Instrument :
 MSVOA_X
 ClientSampleId :

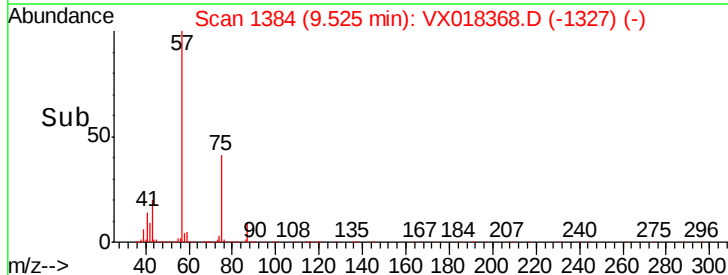
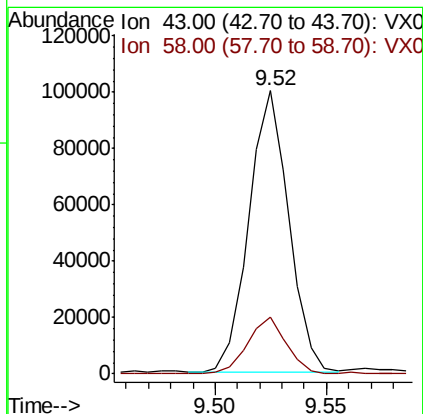
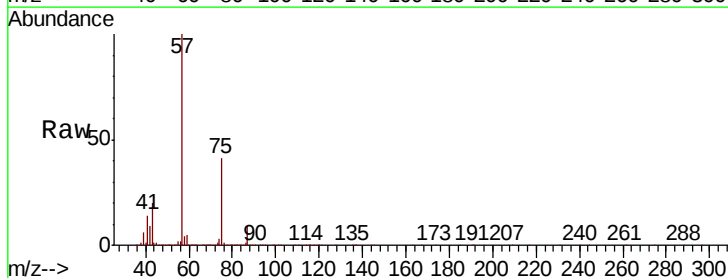
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.7	25.8	38.8#
39	32.5	38.8	58.2#

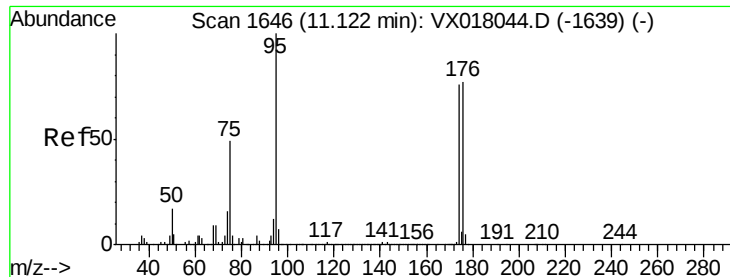


#59

2-Hexanone
 Concen: 21.978 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX018368.D
 Acq: 11 Sep 2020 18:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	19.5	26.6	79.7#





#62

4-Bromofluorobenzene

Concen: 46.939 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018368.D

Acq: 11 Sep 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

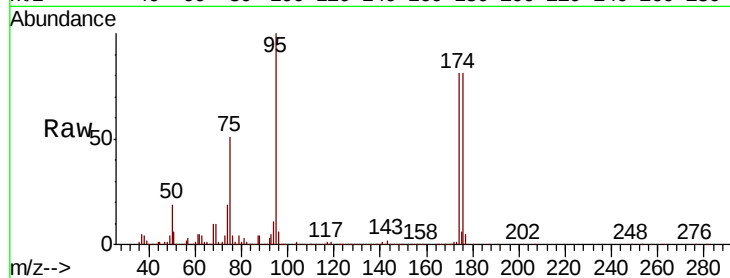
Tot Ion: 95 Resp: 327750

Ion Ratio Lower Upper

95 100

174 82.3 0.0 160.2

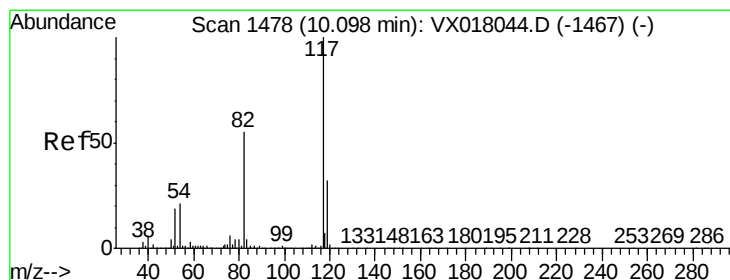
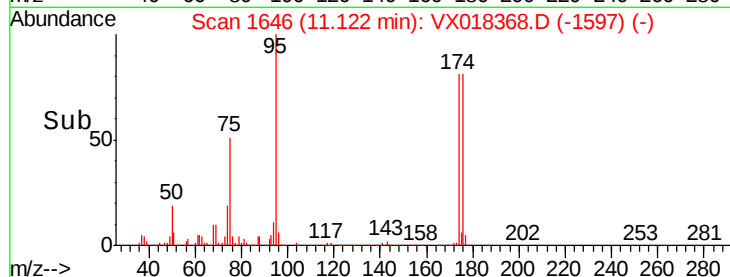
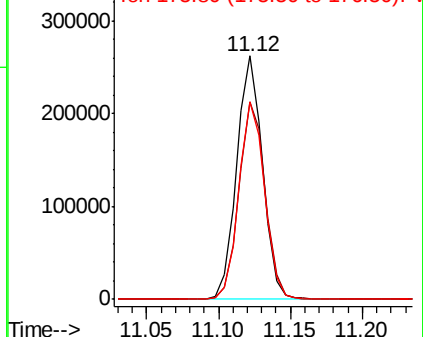
176 80.5 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018368.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018368.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018368.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018368.D

Acq: 11 Sep 2020 18:07

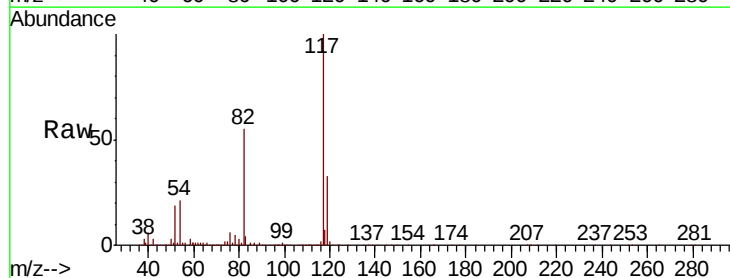
Tgt Ion: 117 Resp: 691136

Ion Ratio Lower Upper

117 100

82 54.7 44.2 66.2

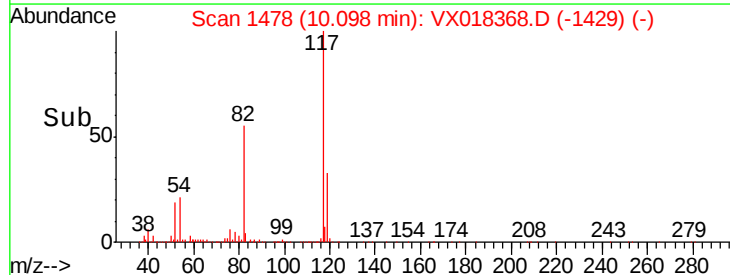
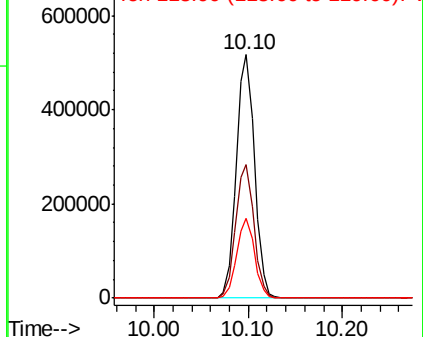
119 32.9 25.7 38.5

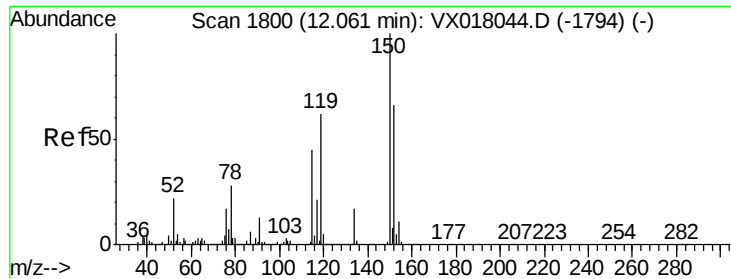


Abundance Ion 116.90 (116.60 to 117.60): VX018368.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018368.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018368.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018368.D

Acq: 11 Sep 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

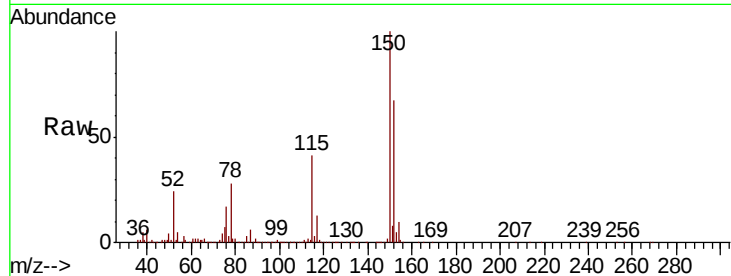
Tot Ion:152 Resp: 329622

Ion Ratio Lower Upper

152 100

115 60.0 41.5 124.5

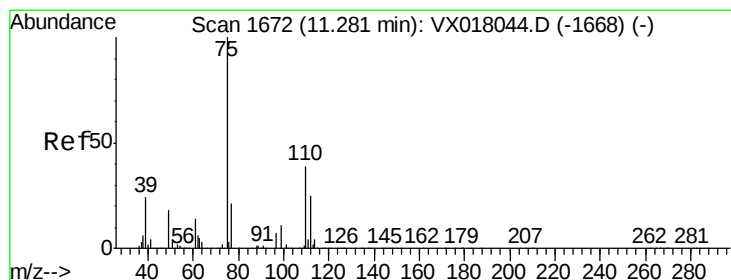
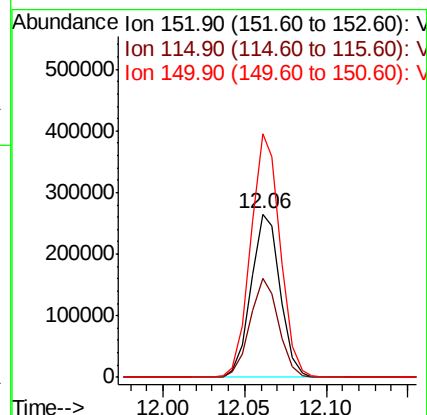
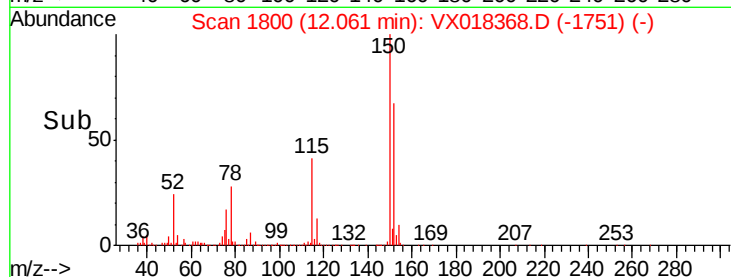
150 150.9 0.0 343.8



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: 22.821 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018368.D

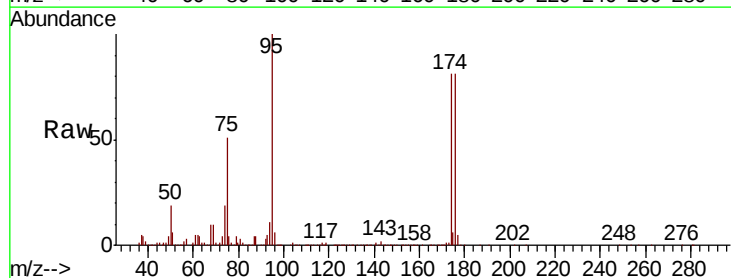
Acq: 11 Sep 2020 18:07

Tgt Ion: 75 Resp: 167339

Ion Ratio Lower Upper

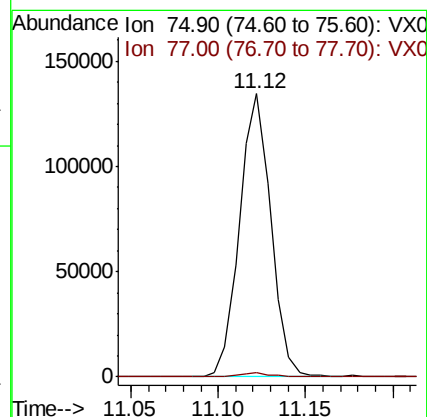
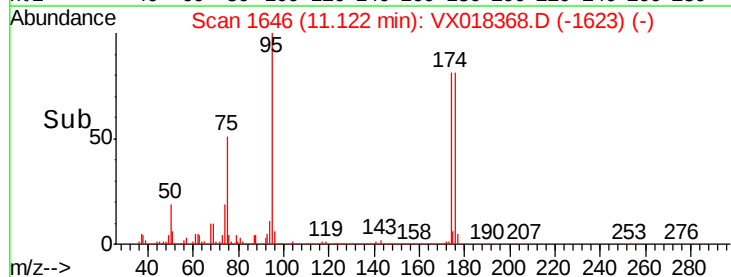
75 100

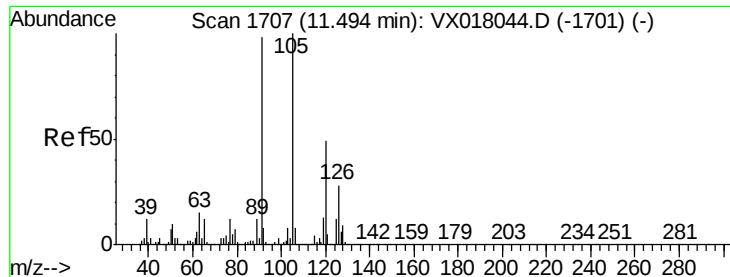
77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



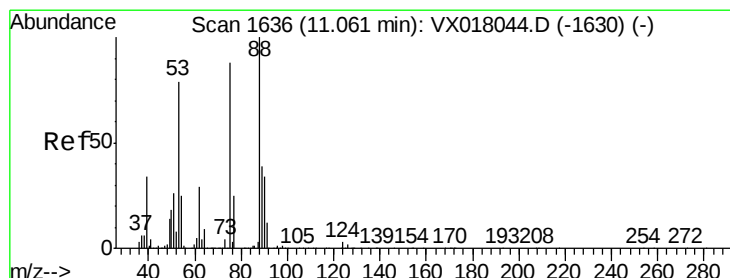
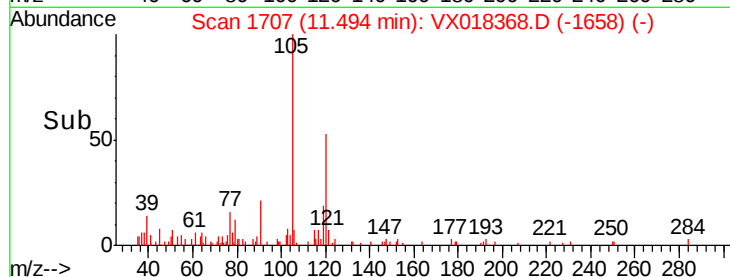
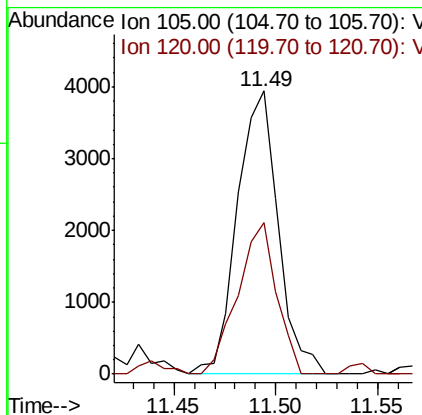
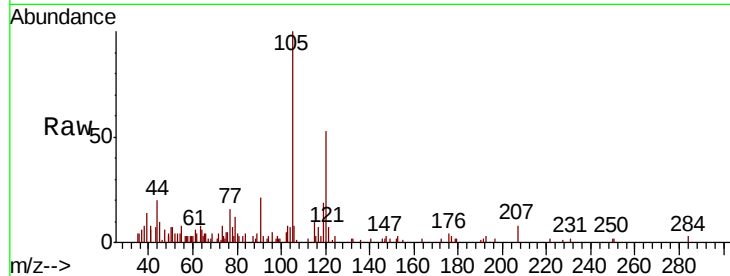


#80

1,3,5-Trimethylbenzene
Concen: 0.308 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:105 Resp: 5500
Ion Ratio Lower Upper
105 100
120 50.8 24.1 72.2



#81

trans-1,4-Dichloro-2-butene
Concen: 61.637 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX018368.D
Acq: 11 Sep 2020 18:07

Tgt Ion: 75 Resp: 167339
Ion Ratio Lower Upper
75 100
53 0.4 74.7 112.1#
89 0.1 36.6 54.8#

