

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018360.D
 Acq On : 11 Sep 2020 14:30
 Operator : JC/SP
 Sample : L3971-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 14 16:32:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	83555	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	400782	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	390649	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	192062	29.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.13%
60) 4-Bromofluorobenzene	11.12	95	194922	28.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.97%
63) Toluene-d8	8.70	98	531624	30.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.93%

Target Compounds

					Ovalue
3) Chloromethane	1.31	50	261134	55.603	ug/l 96
5) Bromomethane	1.64	94	6192	1.840	ug/l 87
7) Trichlorofluoromethane	1.92	101	619028	73.865	ug/l 99
10) 1,1-Dichloroethene	2.35	96	868	0.207	ug/l 85
11) Methyl Iodide	2.50	142	5087	8.354	ug/l 96
13) Acrolein	2.09	56	260	0.582	ug/l 99
15) Acetone	2.42	58	83807	122.952	ug/l 84
18) Methylene Chloride	2.84	84	490240	99.378	ug/l 94
21) 1,1-Dichloroethane	3.67	63	1073604	125.763	ug/l 99
23) tert-Butyl Alcohol	3.01	59	1040	0.957	ug/l # 70
24) Methyl tert-Butyl Ether	3.17	73	542626	36.313	ug/l 100
25) Chloroform	5.18	83	591383	64.911	ug/l 99
30) 2-Butanone	4.63	43	394639	117.811	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	292280	36.500	ug/l 99
33) Carbon Tetrachloride	5.76	117	404603	54.223	ug/l 100
34) Benzene	6.11	78	668711	38.292	ug/l # 96
37) Trichloroethene	7.19	130	387642	76.764	ug/l 96
39) 1,2-Dichloropropane	7.49	63	323080	69.074	ug/l 97
41) Bromodichloromethane	7.88	83	333199	47.597	ug/l 96
45) 1,4-Dioxane	7.71	88	98	1.093	ug/l # 1
48) t-1,3-Dichloropropene	9.02	75	198028	26.334	ug/l 99
49) cis-1,3-Dichloropropene	8.41	75	483764	61.240	ug/l 98
50) 1,1,2-Trichloroethane	9.20	97	233966	49.710	ug/l 99
53) Dibromochloromethane	9.57	129	2777	0.475	ug/l 93
54) 1,2-Dibromoethane	9.65	107	561160	108.685	ug/l 98
56) Bromoform	10.84	173	437456	98.384	ug/l 98
58) 4-Methyl-2-Pentanone	8.62	43	1290688	192.093	ug/l 99
61) Tetrachloroethene	9.32	164	476849	97.874	ug/l 86
62) Toluene	8.77	91	1028452	52.312	ug/l 100
64) Chlorobenzene	10.12	112	1016353	80.446	ug/l 99
65) 1,1,1,2-Tetrachloroethane	10.21	131	647842	126.614	ug/l 97
66) Ethyl Benzene	10.24	91	2303556	106.040	ug/l 95
67) m/p-Xylenes	10.34	106	368355	44.340	ug/l 98
68) o-Xylene	10.68	106	555848	70.811	ug/l 97
69) Styrene	10.69	104	692036	50.531	ug/l 95
70) Isopropylbenzene	11.01	105	5071	0.232	ug/l 99
72) 1,2,3-Trichloropropane	11.28	75	532816	77.739	ug/l 91

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Quant Time: Sep 14 16:32:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

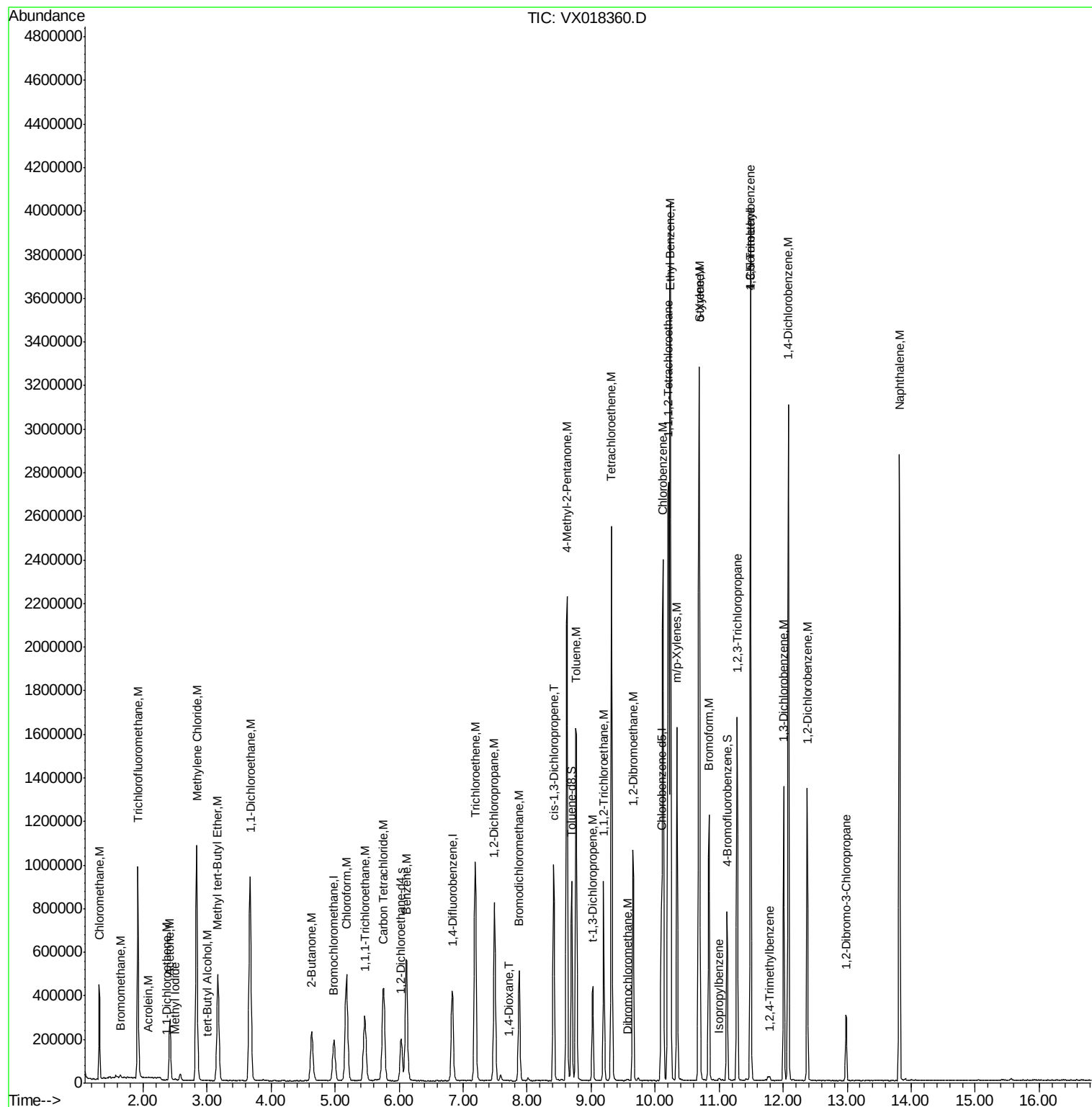
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,3,5-Trimethylbenzene	11.49	105	1698642	89.320	ug/l	100
78) 4-Chlorotoluene	11.49	91	188673	10.152	ug/l	45
80) 1,2,4-Trimethylbenzene	11.79	105	8381	0.446	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	456345	42.677	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	968888	90.620	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	433786	43.323	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	62412	34.200	ug/l	96
91) Naphthalene	13.82	128	1641078	77.624	ug/l	100

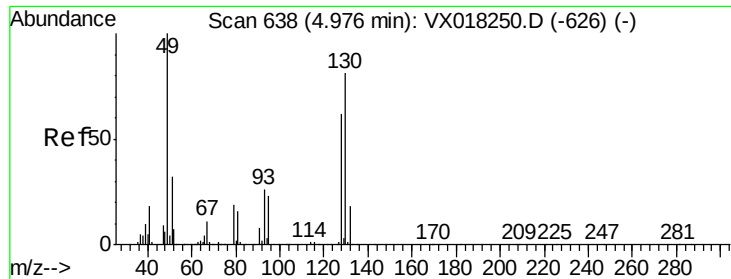
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 12:13:41 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

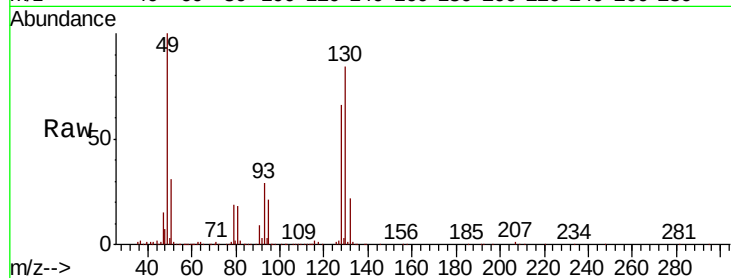
Tot Ion:128 Resp: 83555

Ion Ratio Lower Upper

128 100

49 148.0 0.0 392.0

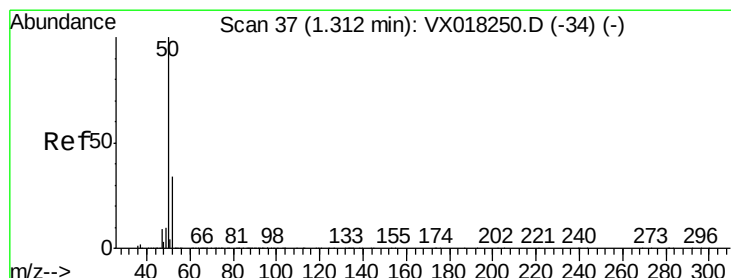
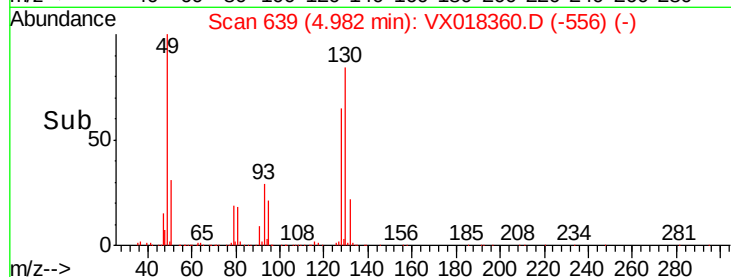
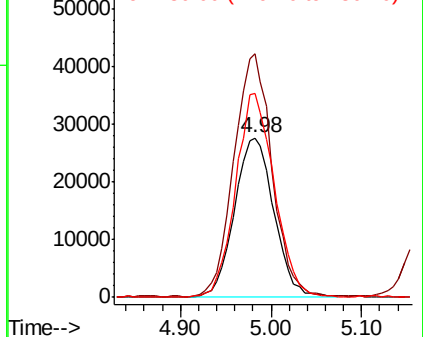
130 125.1 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 55.603 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018360.D

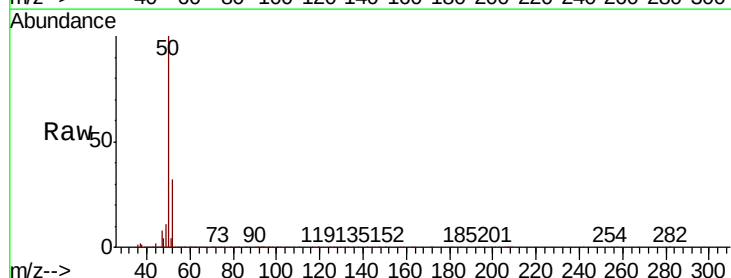
Acq: 11 Sep 2020 14:30

Tgt Ion: 50 Resp: 261134

Ion Ratio Lower Upper

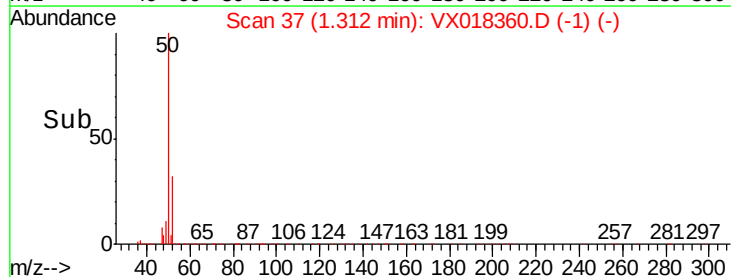
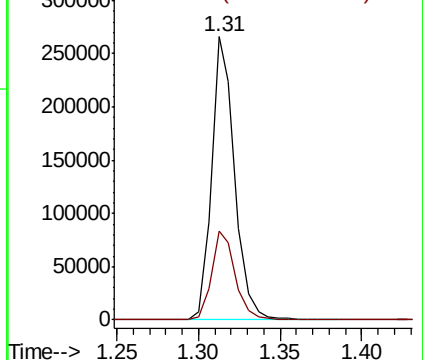
50 100

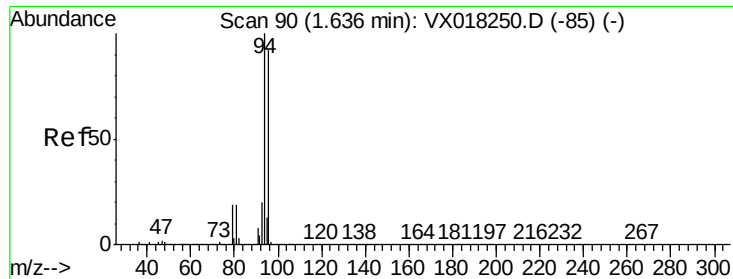
52 31.5 27.1 40.7



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 1.840 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

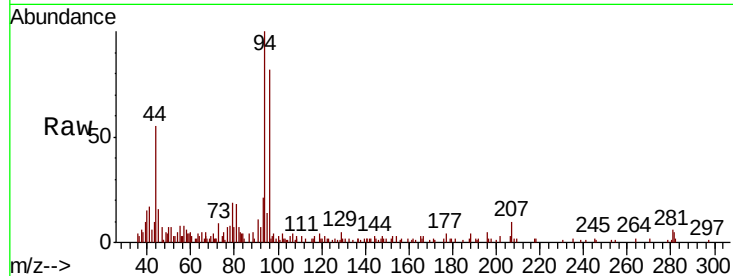
ClientSampled :

Tot Ion: 94 Resp: 6192

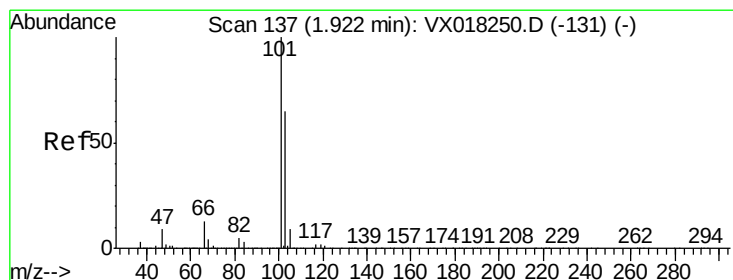
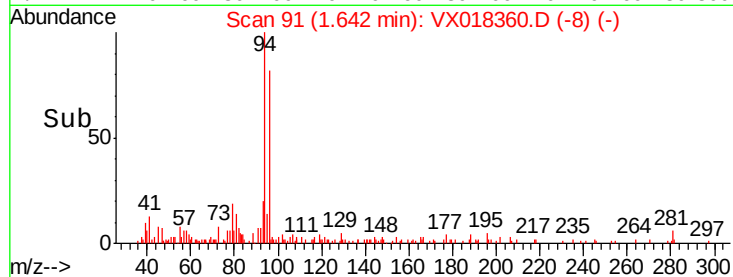
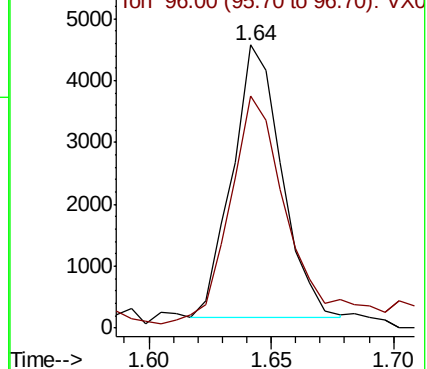
Ion Ratio Lower Upper

94 100

96 80.3 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VX0



#7

Trichlorofluoromethane

Concen: 73.865 ug/l

RT: 1.92 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX018360.D

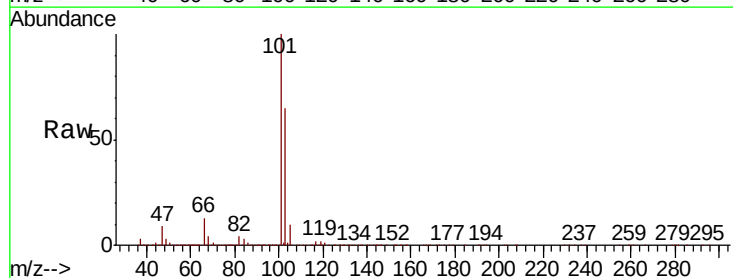
Acq: 11 Sep 2020 14:30

Tgt Ion:101 Resp: 619028

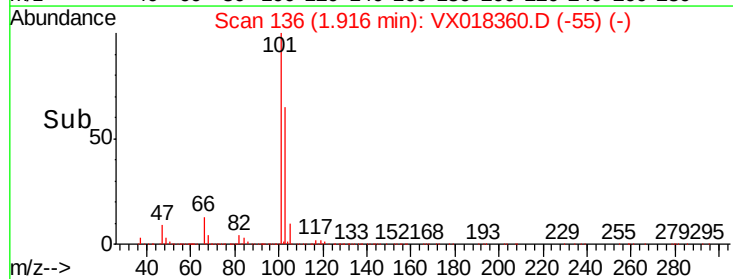
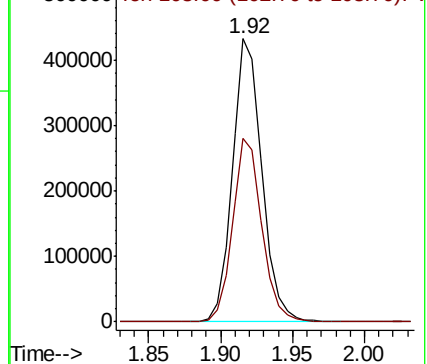
Ion Ratio Lower Upper

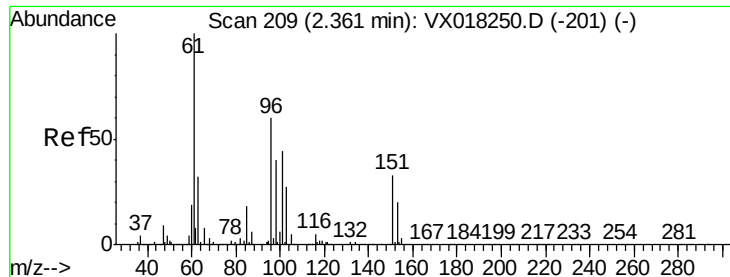
101 100

103 64.7 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V





#10

1,1-Dichloroethene

Concen: 0.207 ug/l

RT: 2.35 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampled :

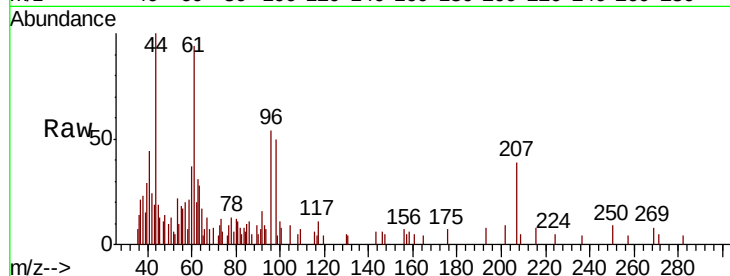
Tot Ion: 96 Resp: 868

Ion Ratio Lower Upper

96 100

61 138.3 132.5 198.7

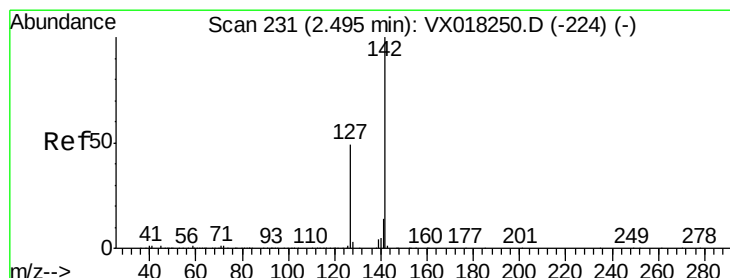
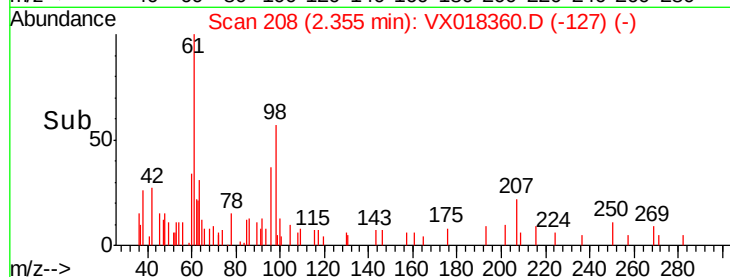
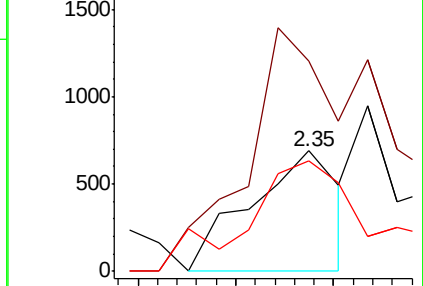
98 64.9 52.4 78.6



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#11

Methyl Iodide

Concen: 8.354 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

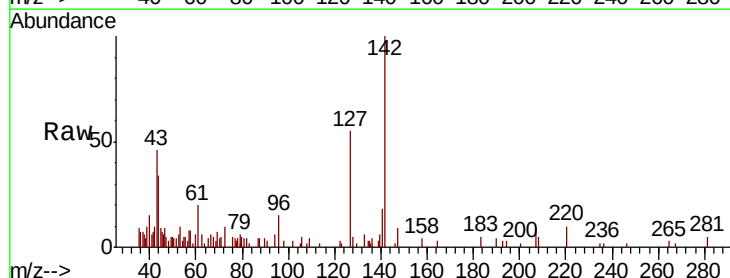
Tgt Ion: 142 Resp: 5087

Ion Ratio Lower Upper

142 100

127 52.4 24.6 74.0

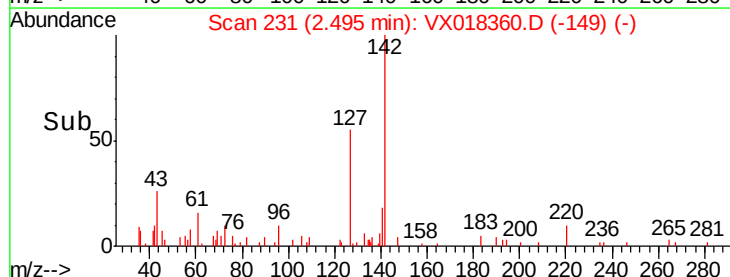
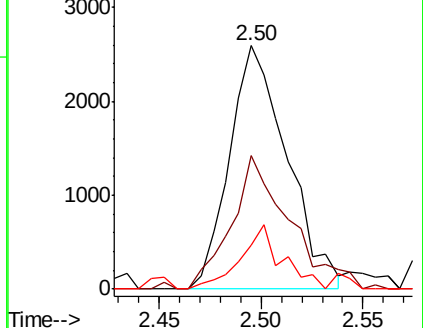
141 15.2 7.0 21.0

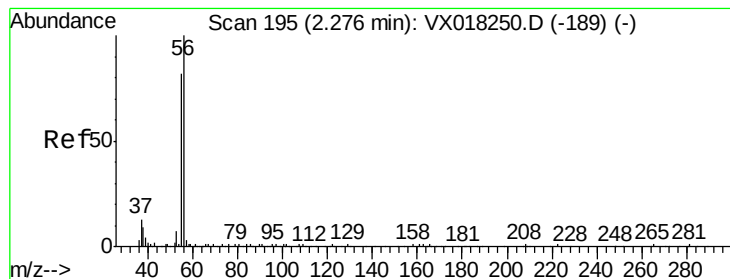


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.582 ug/l

RT: 2.09 min Scan# 164

Delta R.T. -0.19 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

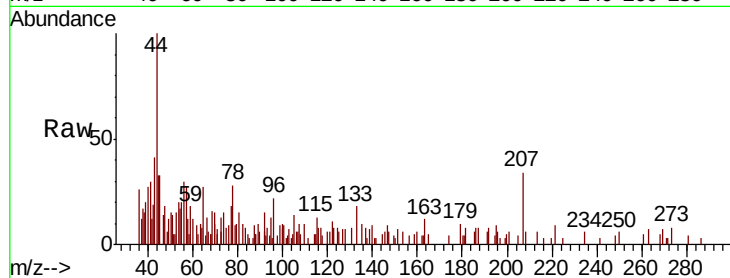
ClientSampleId :

Tot Ion: 56 Resp: 260

Ion Ratio Lower Upper

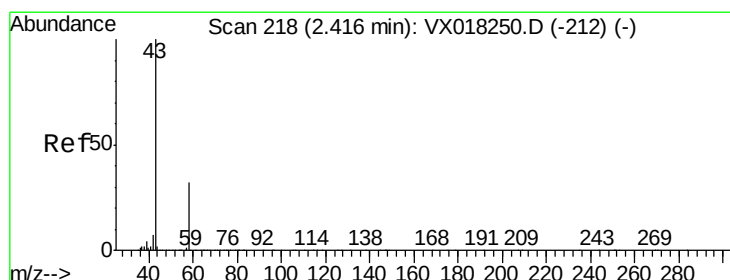
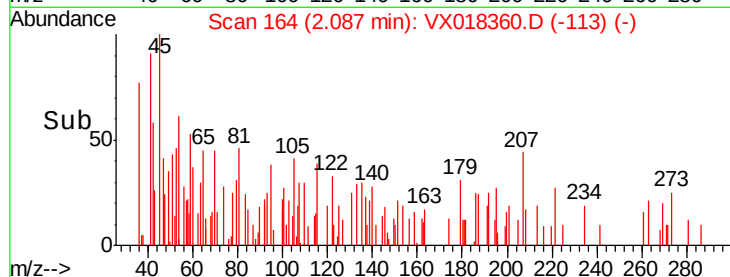
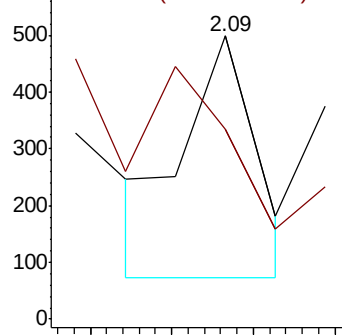
56 100

55 75.4 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acetone

Concen: 122.952 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX018360.D

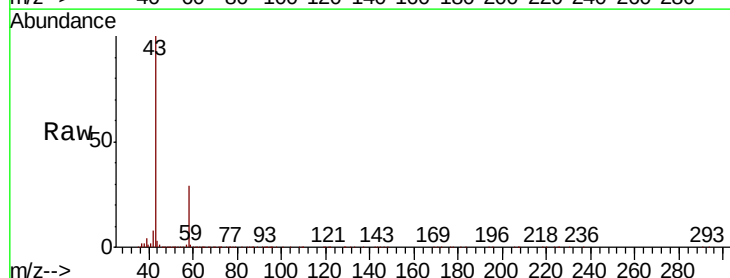
Acq: 11 Sep 2020 14:30

Tgt Ion: 58 Resp: 83807

Ion Ratio Lower Upper

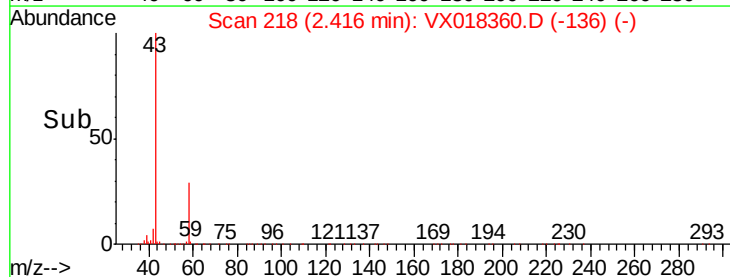
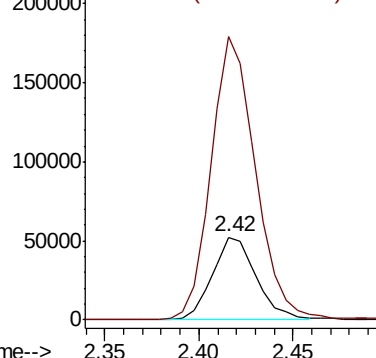
58 100

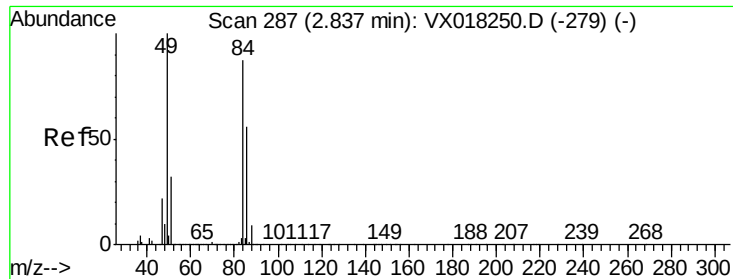
43 341.5 248.2 372.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

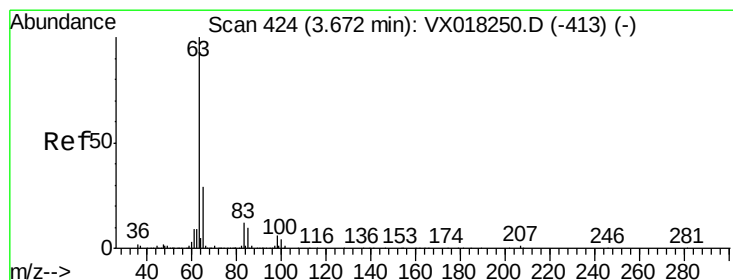
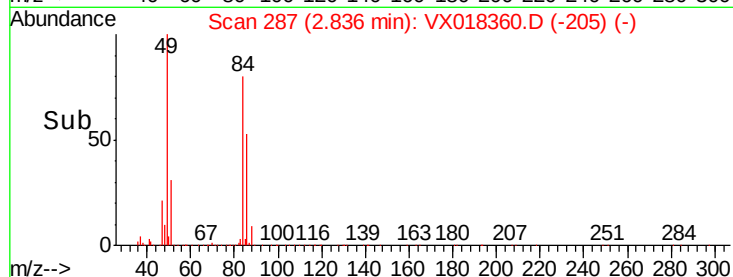
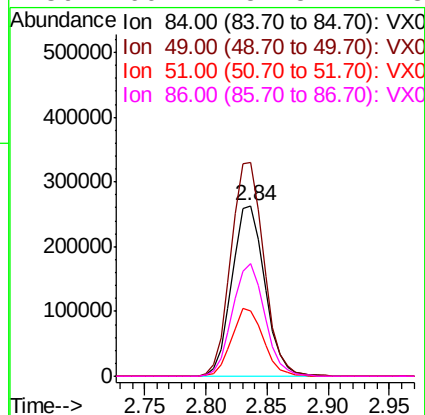
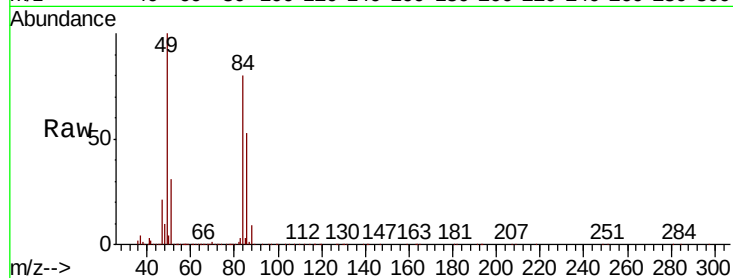




#18
Methylene Chloride
Concen: 99.378 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX018360.D
Acq: 11 Sep 2020 14:30

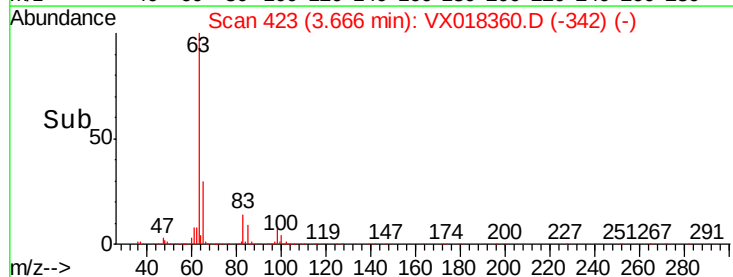
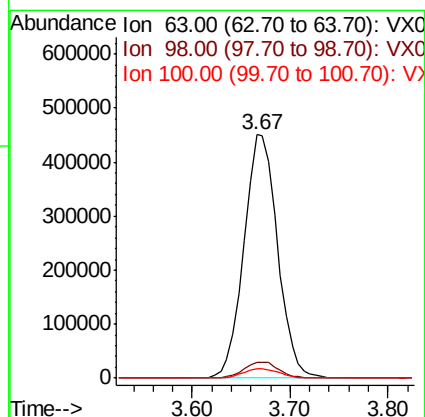
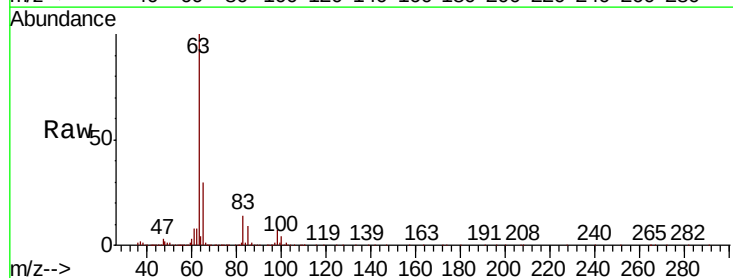
Instrument :
MSVOA_X
ClientSampled :

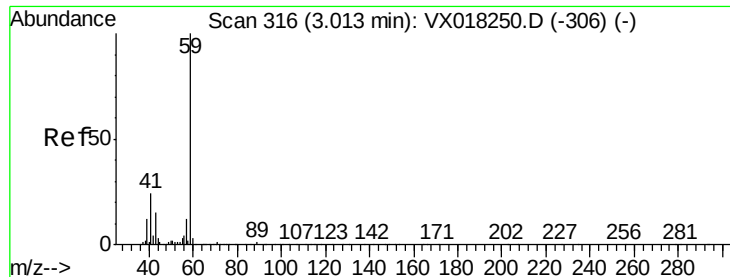
Tot Ion:	84	Resp:	490240
Ion	Ratio	Lower	Upper
84	100		
49	125.2	91.6	137.4
51	38.6	29.4	44.0
86	66.1	51.5	77.3



#21
1,1-Dichloroethane
Concen: 125.763 ug/l
RT: 3.67 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX018360.D
Acq: 11 Sep 2020 14:30

Tgt Ion:	63	Resp:	1073604
Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.2	9.6
100	3.9	2.1	6.3



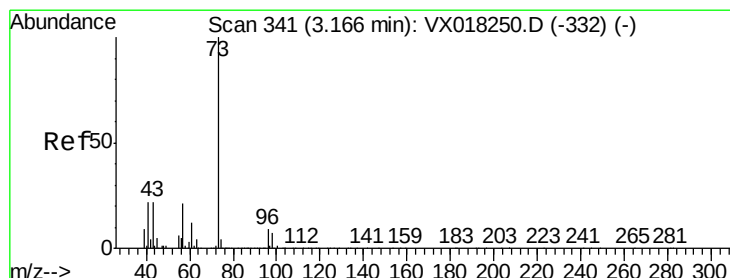
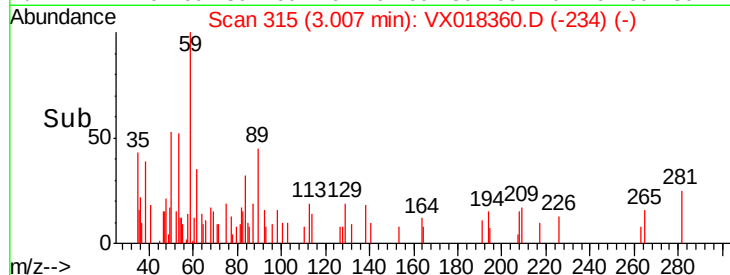
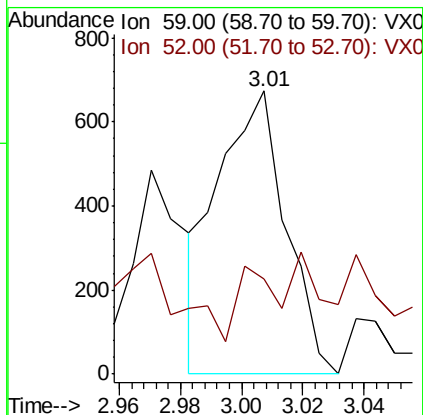
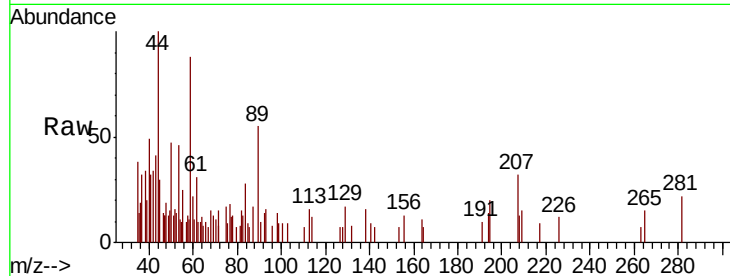


#23

tert-Butyl Alcohol
Concen: 0.957 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018360.D
Acq: 11 Sep 2020 14:30

Instrument :
MSVOA_X
ClientSampled :

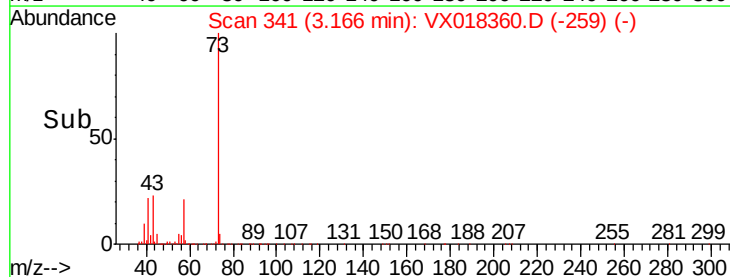
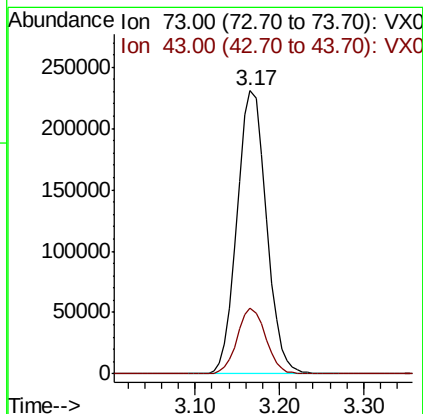
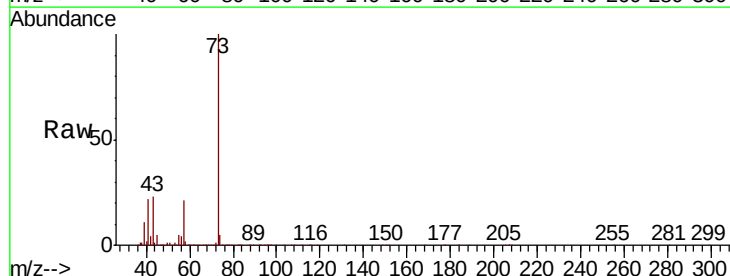
Tot Ion: 59 Resp: 1040
Ion Ratio Lower Upper
59 100
52 20.0 0.4 0.6#

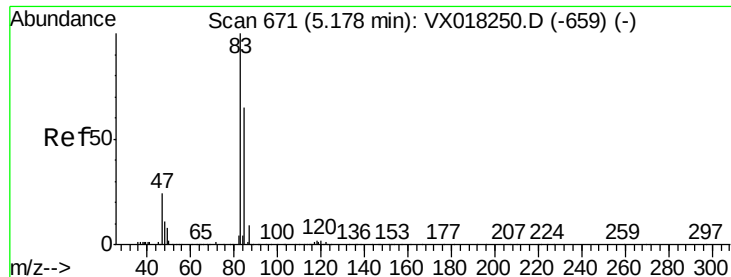


#24

Methyl tert-Butyl Ether
Concen: 36.313 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX018360.D
Acq: 11 Sep 2020 14:30

Tgt Ion: 73 Resp: 542626
Ion Ratio Lower Upper
73 100
43 22.3 17.8 26.6

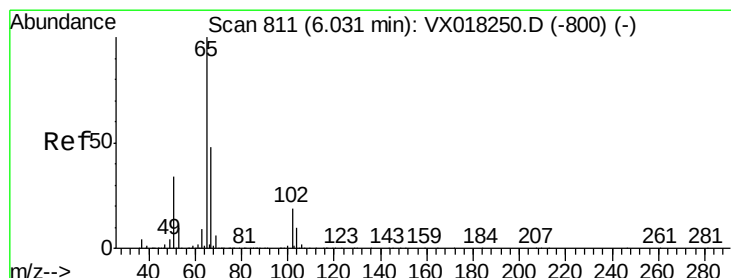
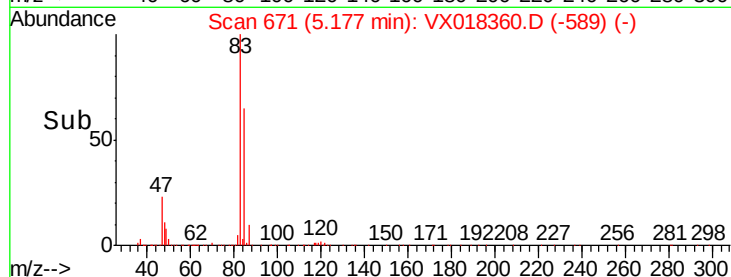
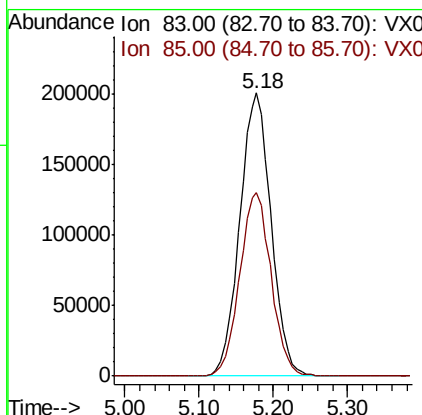
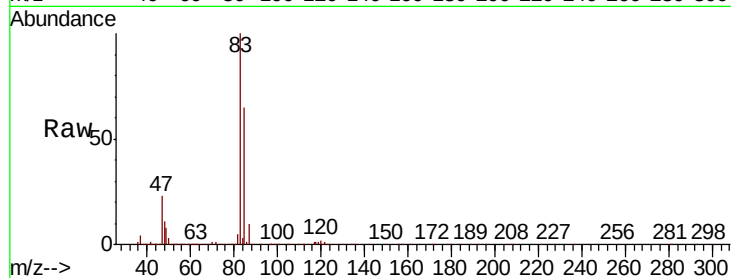




#25
Chloroform
Concen: 64.911 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX018360.D
Acq: 11 Sep 2020 14:30

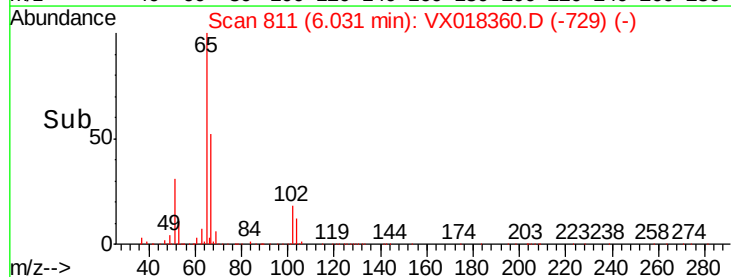
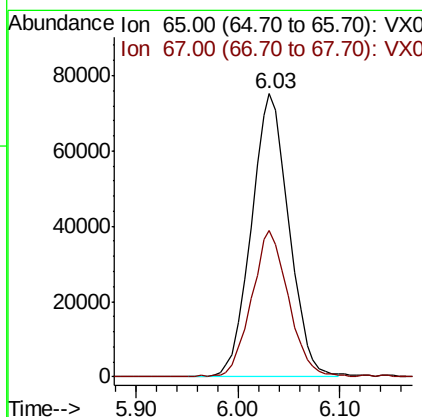
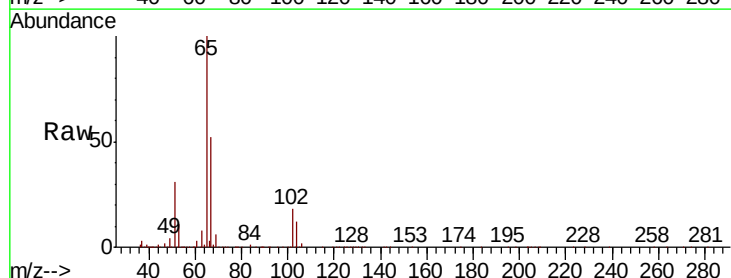
Instrument :
MSVOA_X
ClientSampleId :

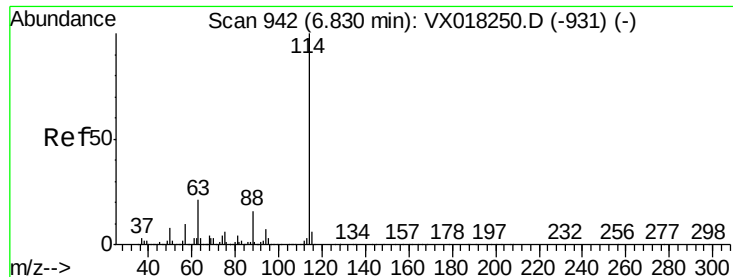
Tot Ion: 83 Resp: 591383
Ion Ratio Lower Upper
83 100
85 65.0 51.6 77.4



#27
1,2-Dichloroethane-d4
Concen: 29.136 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018360.D
Acq: 11 Sep 2020 14:30

Tgt Ion: 65 Resp: 192062
Ion Ratio Lower Upper
65 100
67 50.6 39.9 59.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampled :

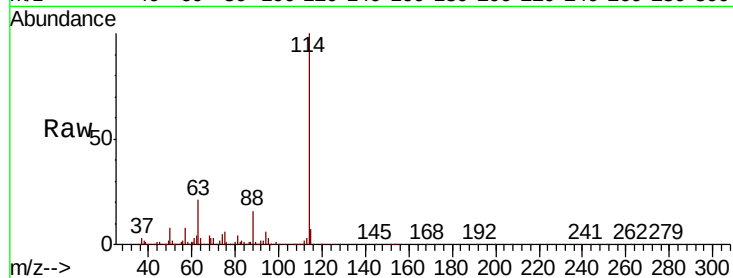
Tot Ion:114 Resp: 400782

Ion Ratio Lower Upper

114 100

63 21.6 16.7 25.1

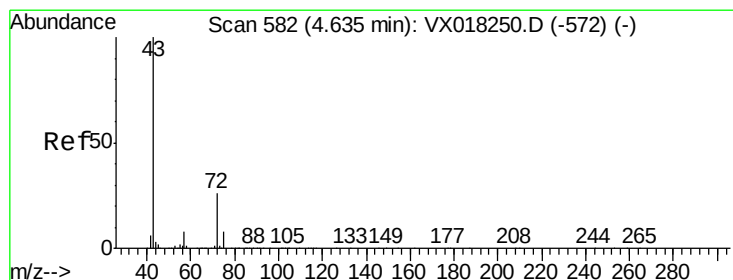
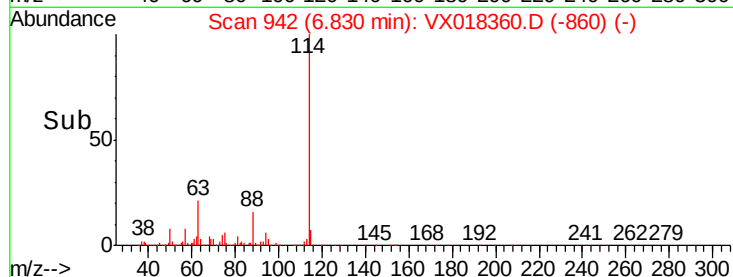
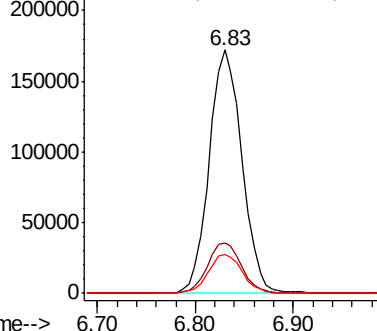
88 16.4 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#30

2-Butanone

Concen: 117.811 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

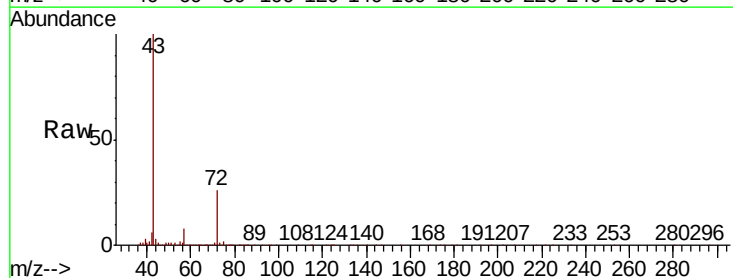
Tgt Ion: 43 Resp: 394639

Ion Ratio Lower Upper

43 100

57 7.9 6.7 10.1

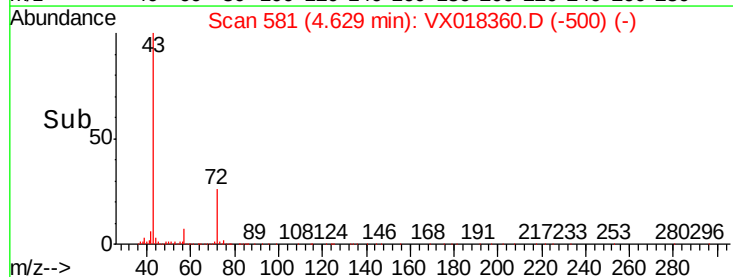
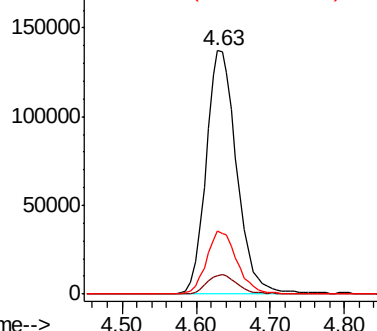
72 25.8 20.0 30.0

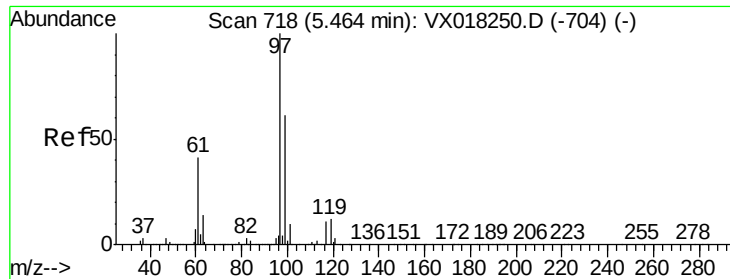


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#32

1,1,1-Trichloroethane

Concen: 36.500 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

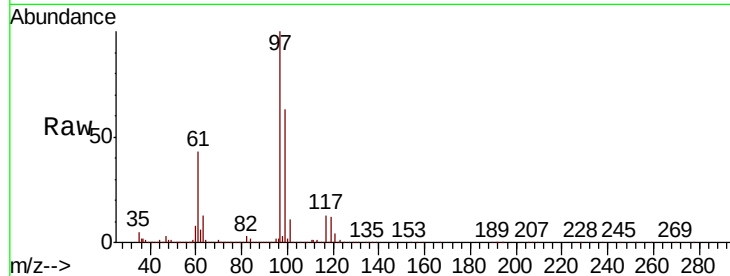
Tot Ion: 97 Resp: 292280

Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

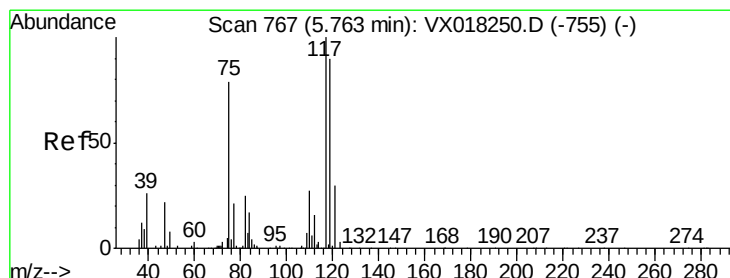
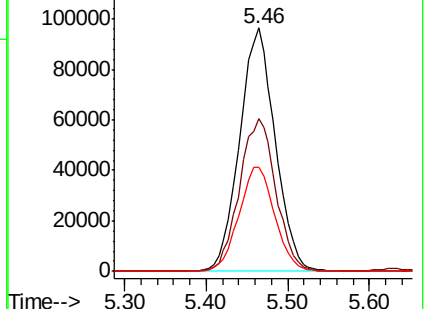
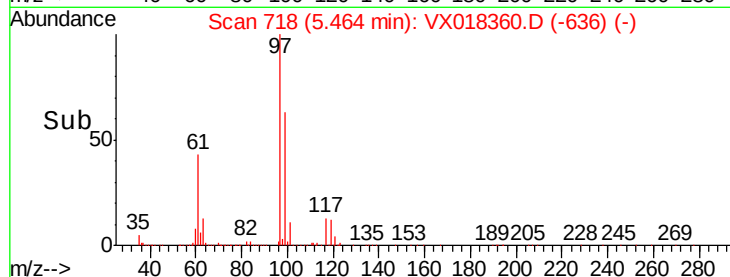
61 42.9 34.5 51.7



Abundance Ion 97.00 (96.70 to 97.70): VX018360.D (-636) (-)

Ion 99.00 (98.70 to 99.70): VX018360.D (-636) (-)

Ion 61.00 (60.70 to 61.70): VX018360.D (-636) (-)



#33

Carbon Tetrachloride

Concen: 54.223 ug/l

RT: 5.76 min Scan# 766

Delta R.T. -0.01 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

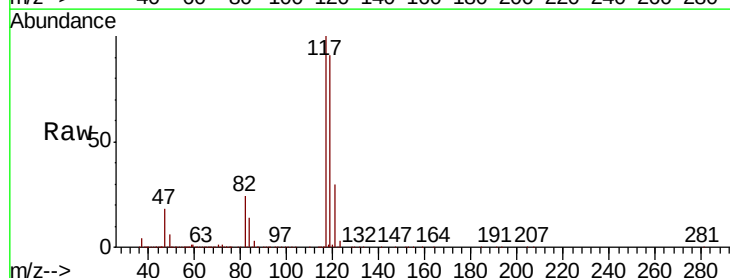
Tgt Ion: 117 Resp: 404603

Ion Ratio Lower Upper

117 100

119 90.6 72.3 108.5

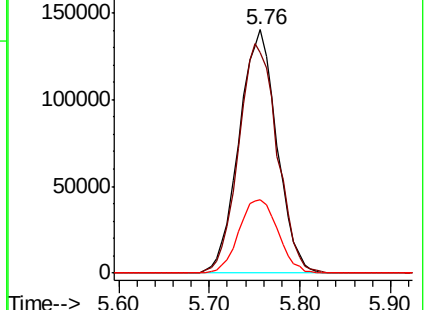
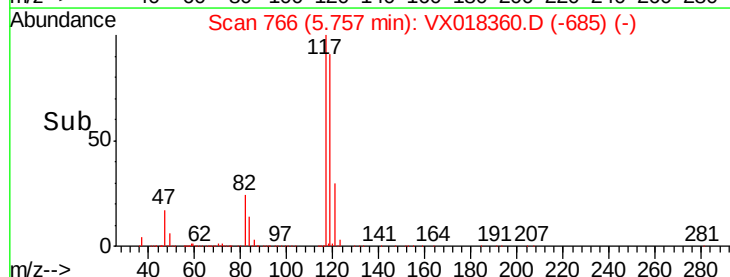
121 29.9 24.1 36.1

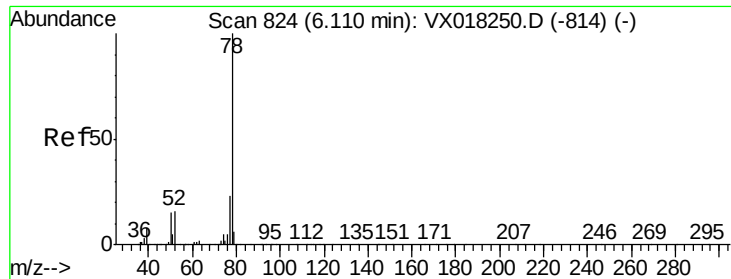


Abundance Ion 117.00 (116.70 to 117.70): VX018360.D (-685) (-)

Ion 119.00 (118.70 to 119.70): VX018360.D (-685) (-)

Ion 121.00 (120.70 to 121.70): VX018360.D (-685) (-)





#34

Benzene

Concen: 38.292 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

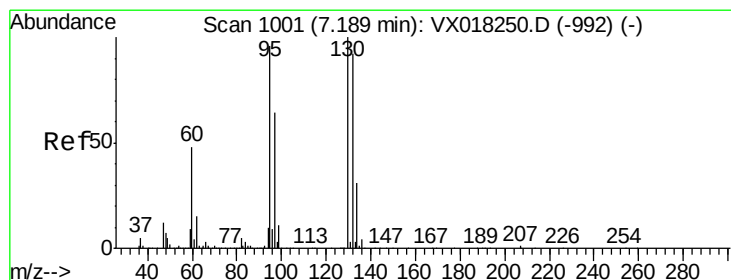
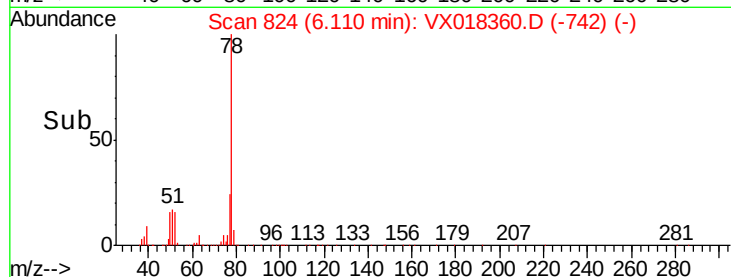
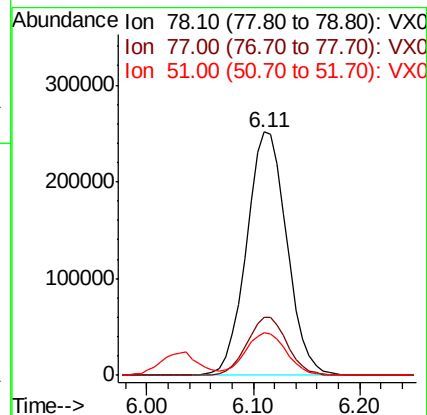
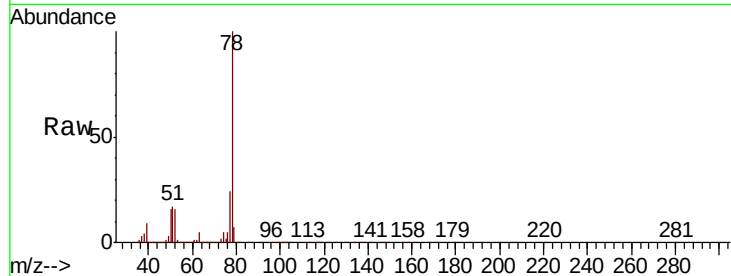
Tot Ion: 78 Resp: 668711

Ion Ratio Lower Upper

78 100

77 24.0 18.3 27.5

51 17.4 11.3 16.9#



#37

Trichloroethene

Concen: 76.764 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018360.D

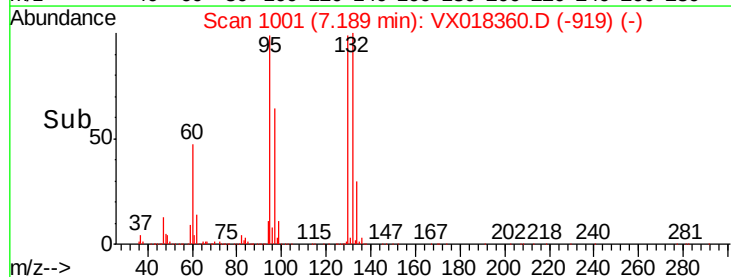
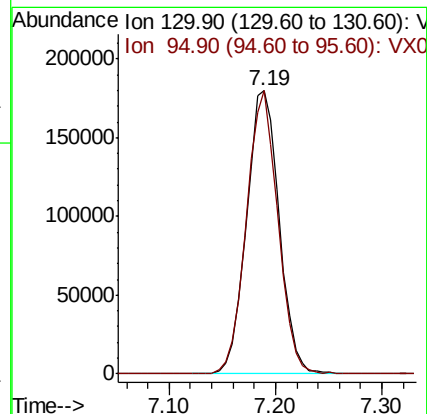
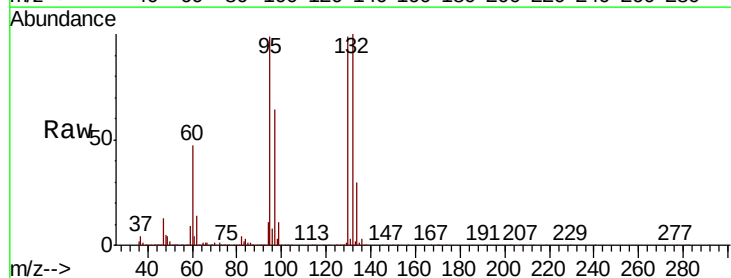
Acq: 11 Sep 2020 14:30

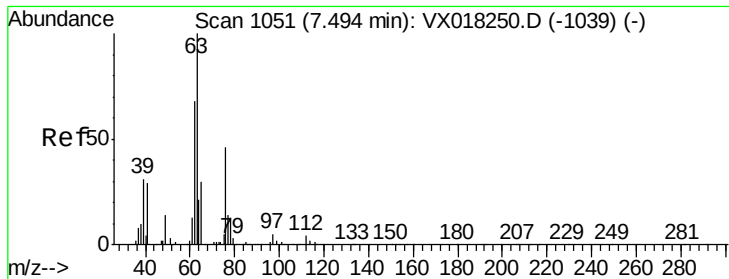
Tgt Ion:130 Resp: 387642

Ion Ratio Lower Upper

130 100

95 100.1 76.9 115.3

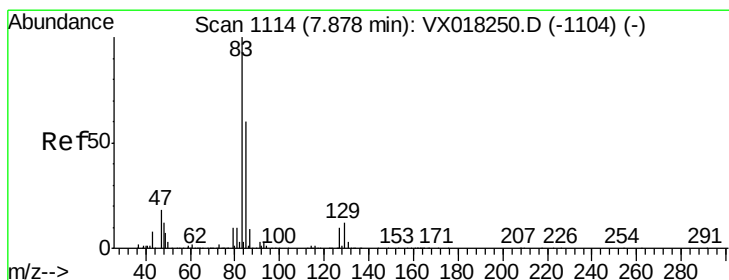
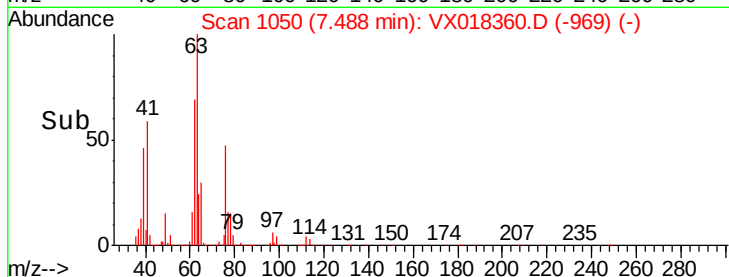
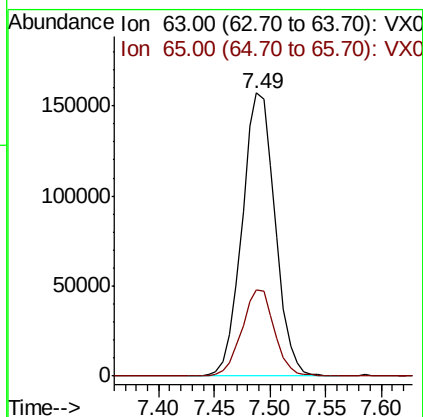
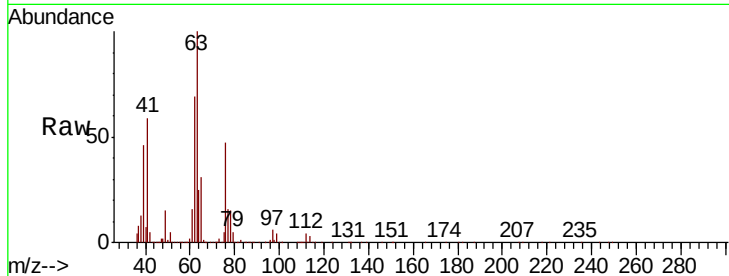




#39
 1,2-Dichloropropane
 Concen: 69.074 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX018360.D
 Acq: 11 Sep 2020 14:30

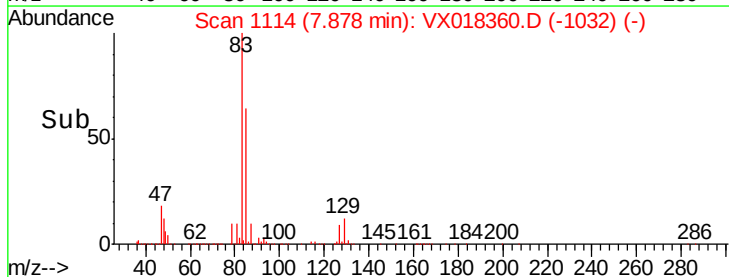
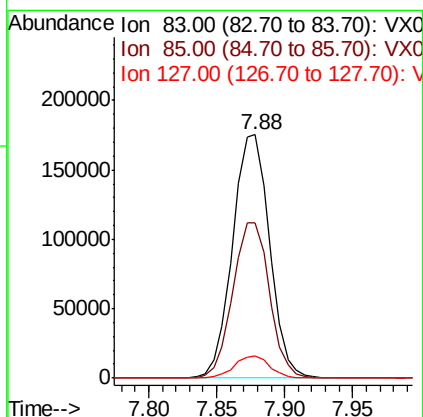
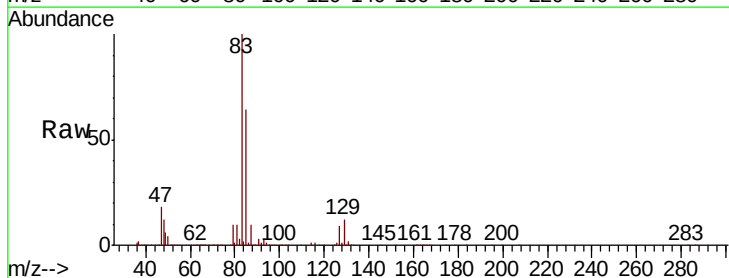
Instrument :
 MSVOA_X
 ClientSampleId :

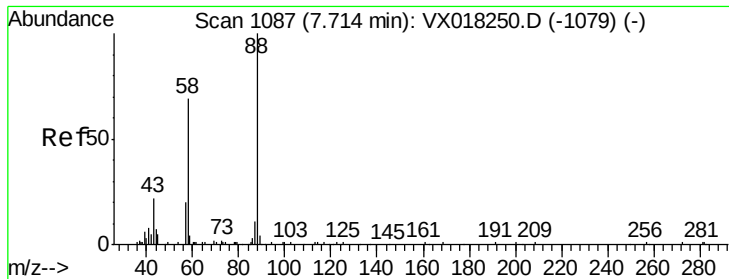
Tot Ion: 63 Resp: 323080
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.7 38.5



#41
 Bromodichloromethane
 Concen: 47.597 ug/l
 RT: 7.88 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: VX018360.D
 Acq: 11 Sep 2020 14:30

Tgt Ion: 83 Resp: 333199
 Ion Ratio Lower Upper
 83 100
 85 63.8 48.2 72.2
 127 9.1 8.0 12.0





#45

1,4-Dioxane

Concen: 1.093 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :
MSVOA_X
ClientSampled :

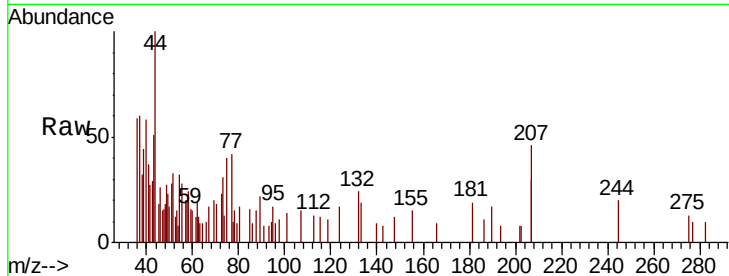
Tot Ion: 88 Resp: 98

Ion Ratio Lower Upper

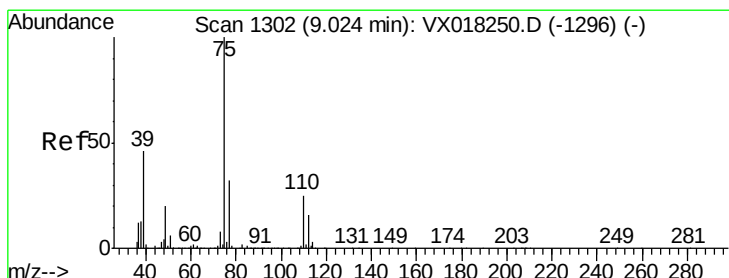
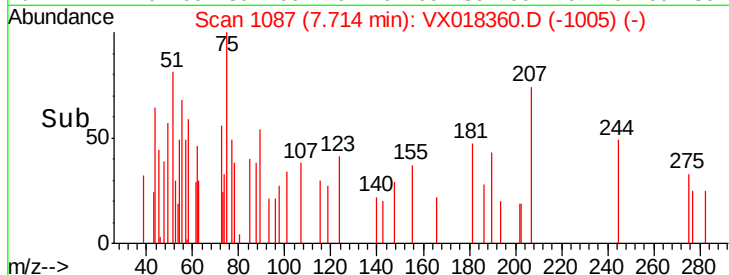
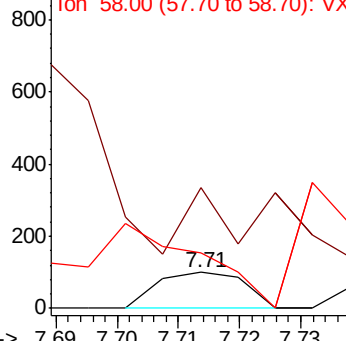
88 100

43 80.6 13.6 20.4#

58 337.8 58.2 87.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#48

t-1,3-Dichloropropene

Concen: 26.334 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX018360.D

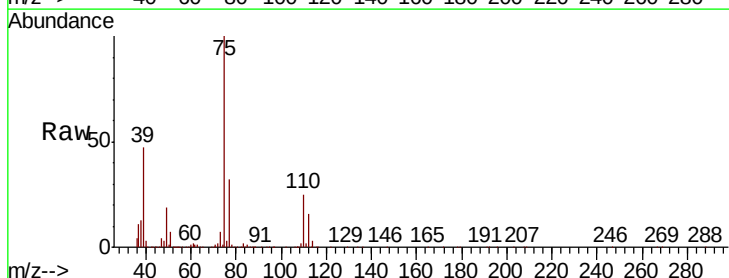
Acq: 11 Sep 2020 14:30

Tgt Ion: 75 Resp: 198028

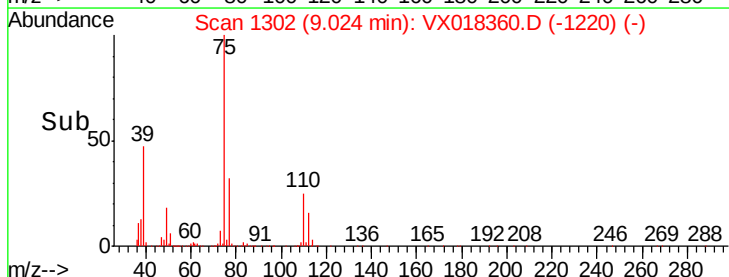
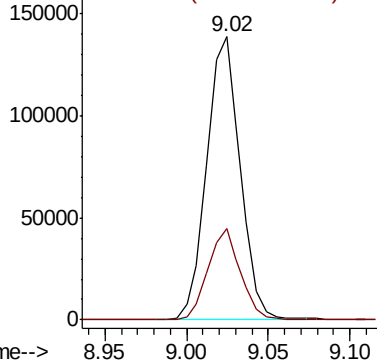
Ion Ratio Lower Upper

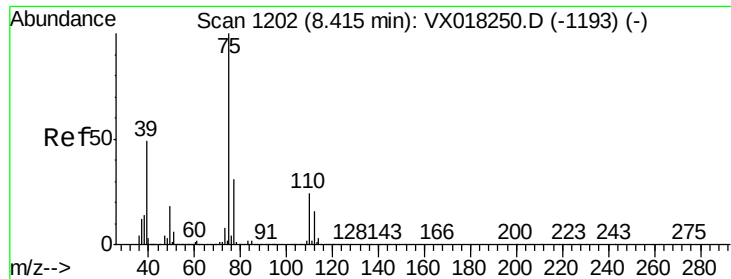
75 100

77 32.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0



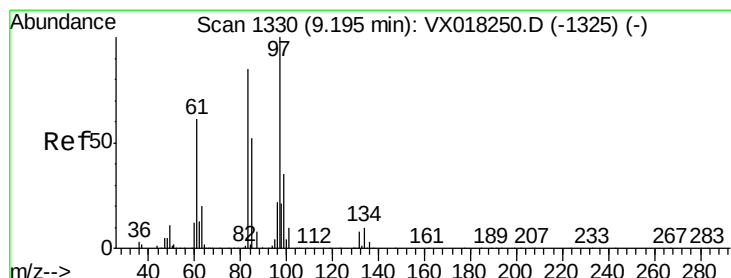
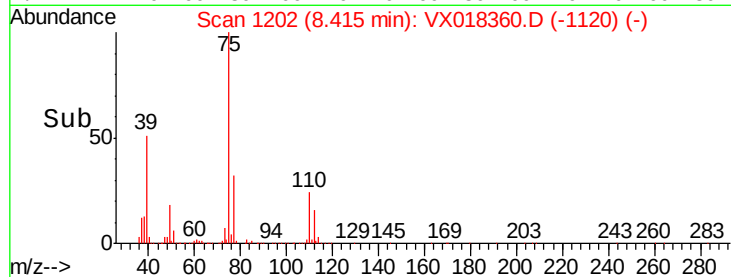
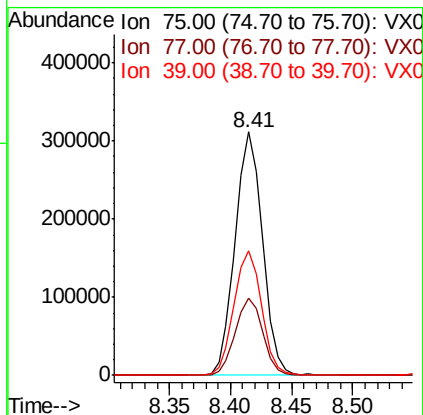
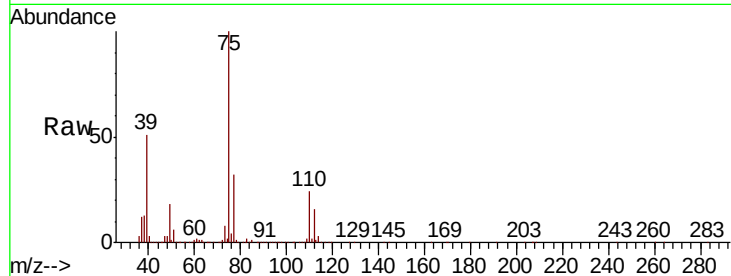


#49

cis-1,3-Dichloropropene
 Concen: 61.240 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX018360.D
 Acq: 11 Sep 2020 14:30

Instrument :
 MSVOA_X
 ClientSampleId :

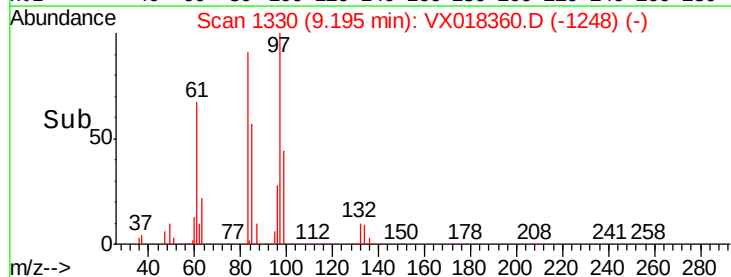
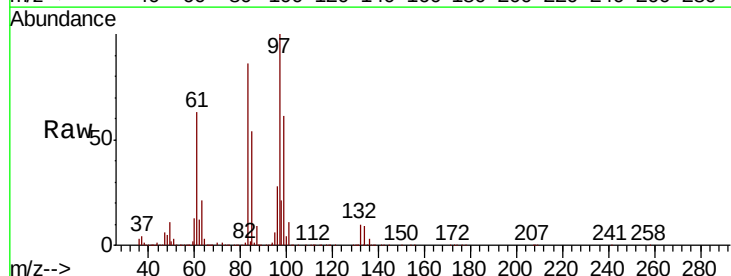
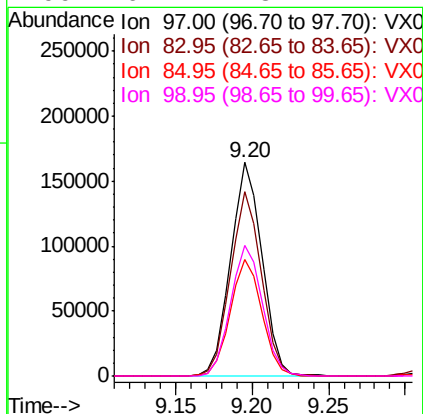
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.7	37.1
39	51.1	39.6	59.4

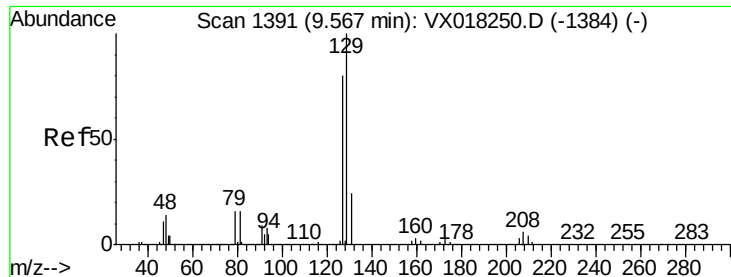


#50

1,1,2-Trichloroethane
 Concen: 49.710 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX018360.D
 Acq: 11 Sep 2020 14:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.1	102.1
85	54.3	42.6	64.0
99	61.4	48.2	72.2





#53

Dibromochloromethane

Concen: 0.475 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

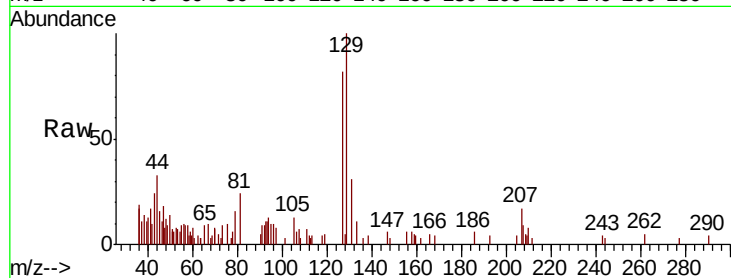
ClientSampleId :

Tot Ion:129 Resp: 2777

Ion Ratio Lower Upper

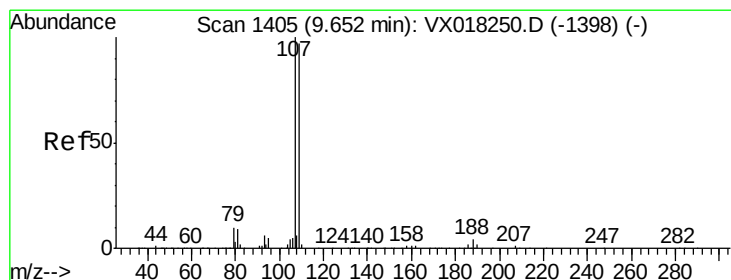
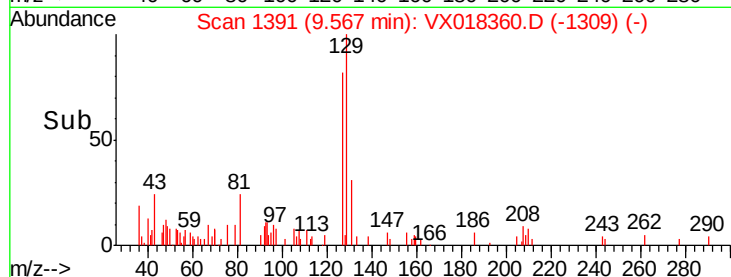
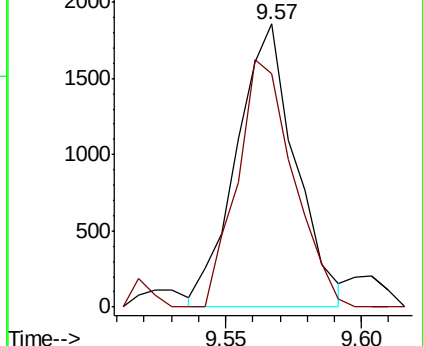
129 100

127 83.7 38.9 116.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 108.685 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX018360.D

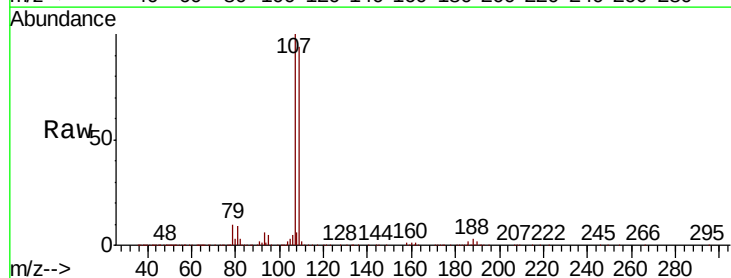
Acq: 11 Sep 2020 14:30

Tgt Ion:107 Resp: 561160

Ion Ratio Lower Upper

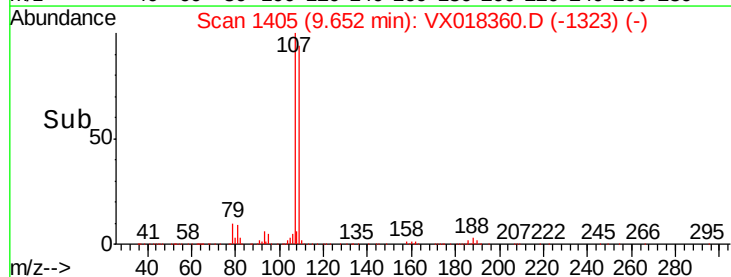
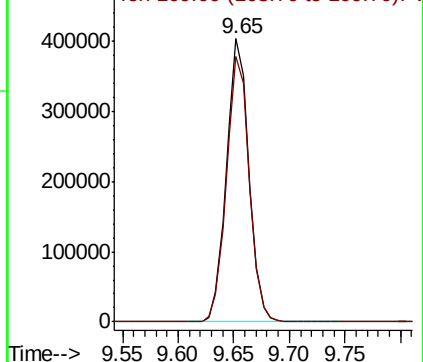
107 100

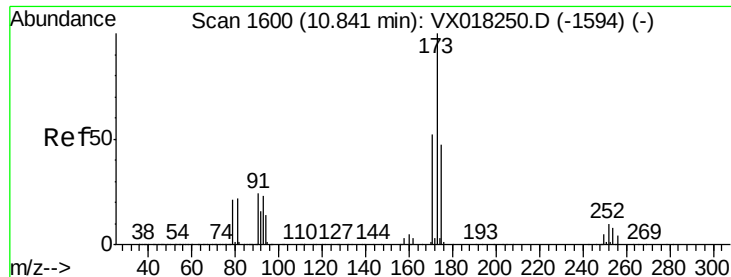
109 95.5 77.8 116.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#56

Bromoform

Concen: 98.384 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

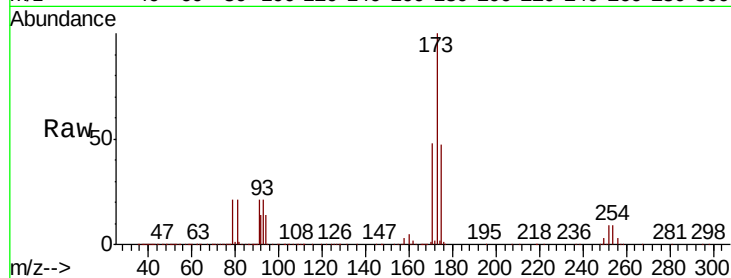
Tot Ion:173 Resp: 437456

Ion Ratio Lower Upper

173 100

175 48.3 40.2 60.2

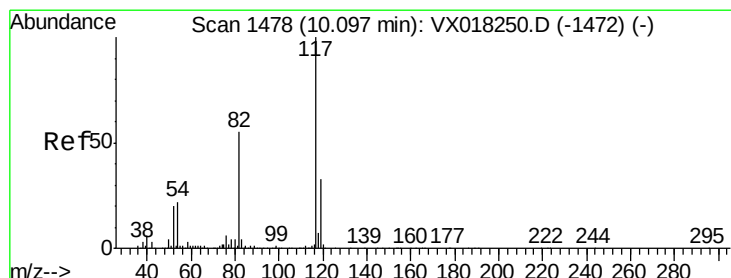
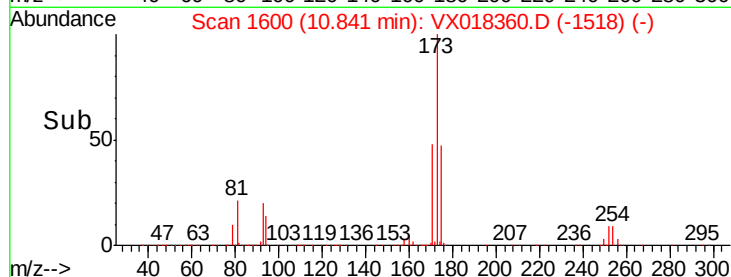
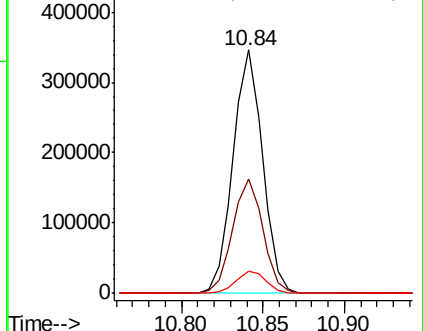
254 9.2 7.3 10.9



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

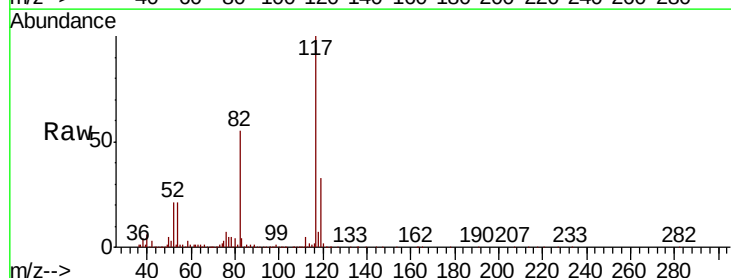
Tgt Ion:117 Resp: 390649

Ion Ratio Lower Upper

117 100

82 56.1 44.2 66.4

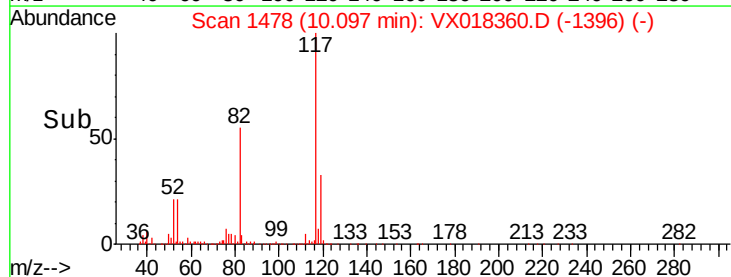
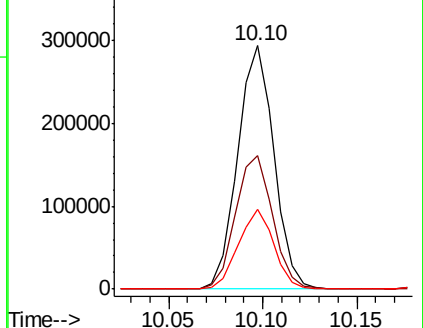
119 32.4 26.1 39.1

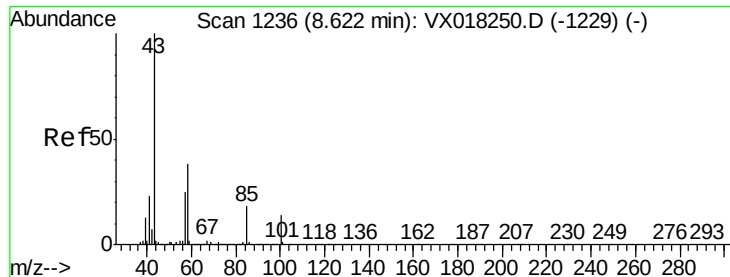


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



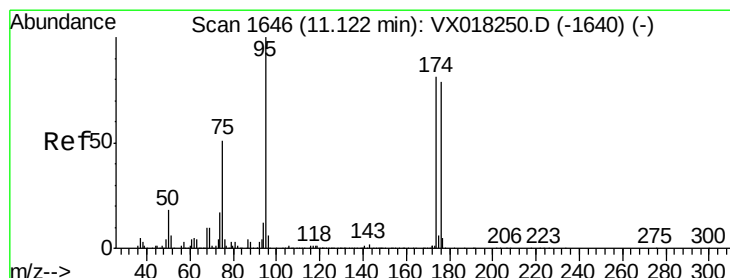
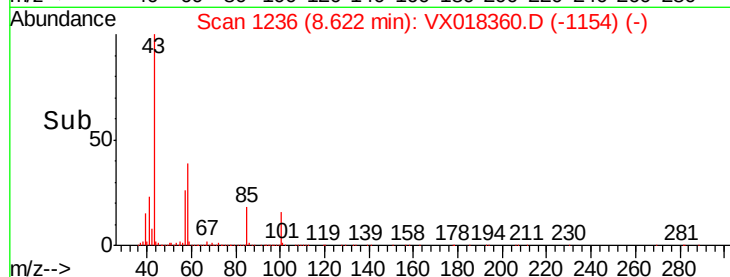
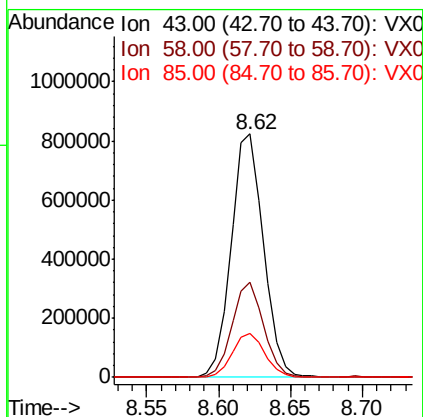
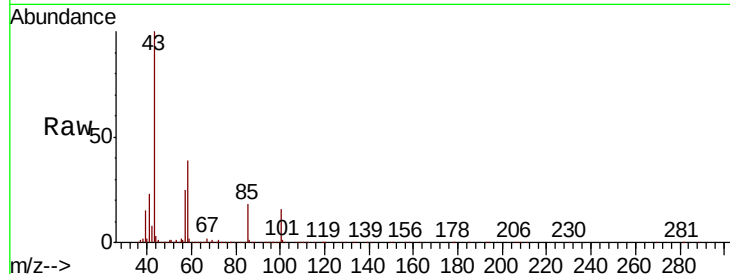


#58
 4-Methyl-2-Pentanone
 Concen: 192.093 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX018360.D
 Acq: 11 Sep 2020 14:30

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 43 Resp: 1290688

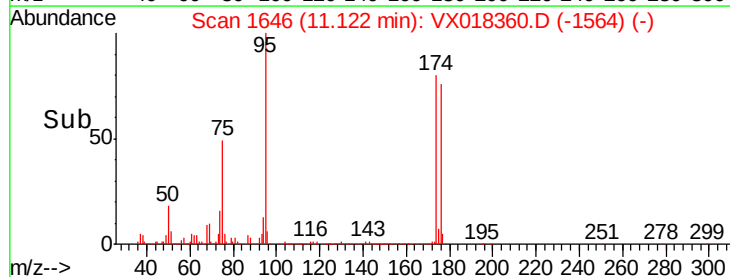
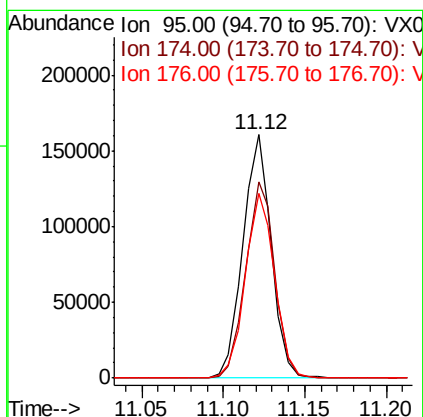
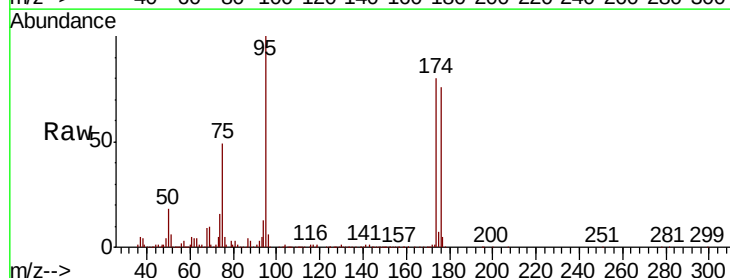
Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.0	45.0
85	18.1	14.2	21.4

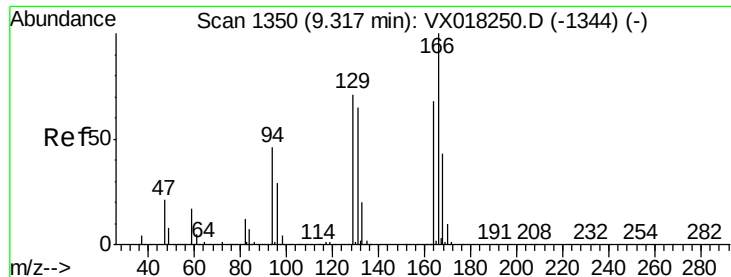


#60
 4-Bromofluorobenzene
 Concen: 28.788 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX018360.D
 Acq: 11 Sep 2020 14:30

Tgt Ion: 95 Resp: 194922

Ion	Ratio	Lower	Upper
95	100		
174	82.9	64.2	96.4
176	78.6	62.2	93.4





#61

Tetrachloroethene

Concen: 97.874 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 476849

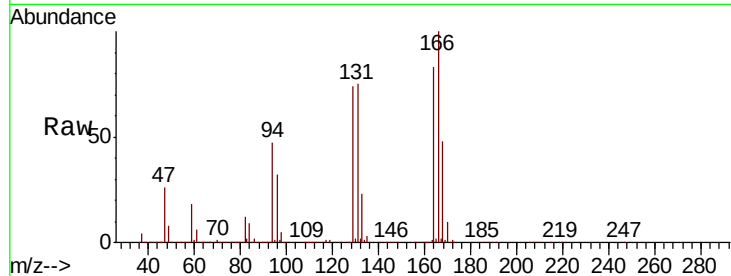
Ion Ratio Lower Upper

164 100

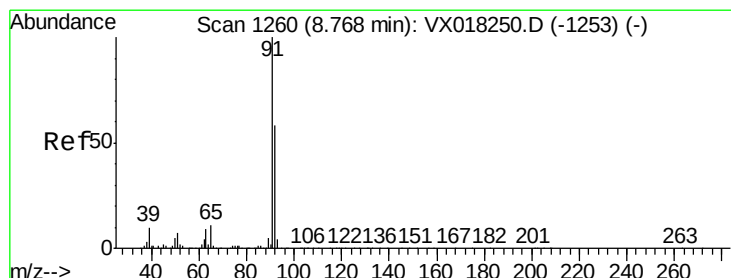
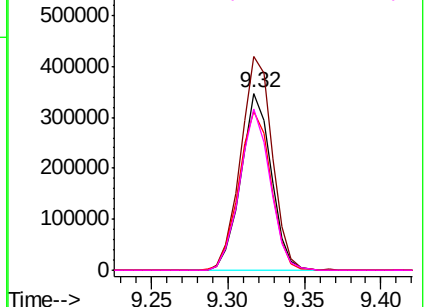
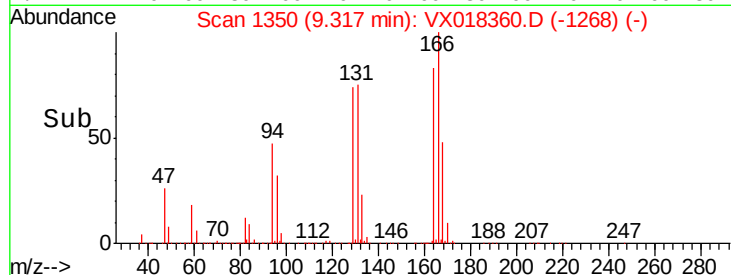
166 120.5 117.4 176.0

129 89.3 82.7 124.1

131 90.8 76.7 115.1



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 52.312 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018360.D

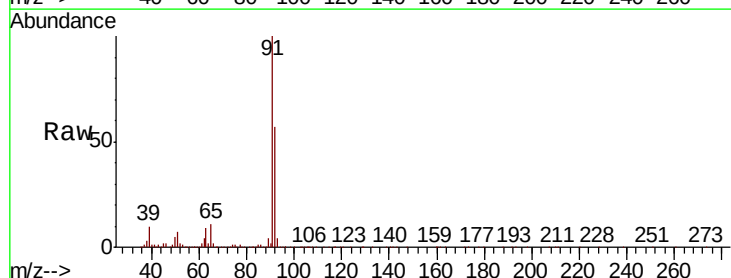
Acq: 11 Sep 2020 14:30

Tgt Ion: 91 Resp: 1028452

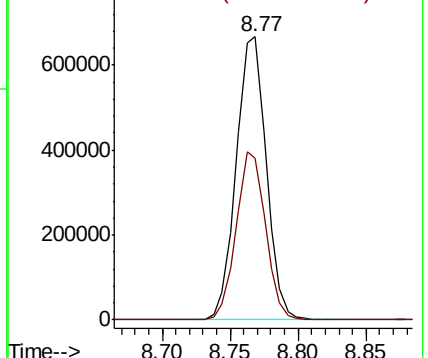
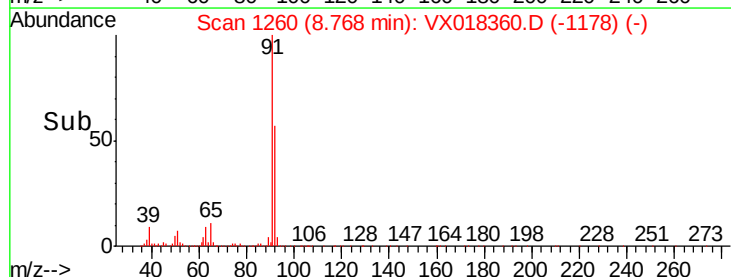
Ion Ratio Lower Upper

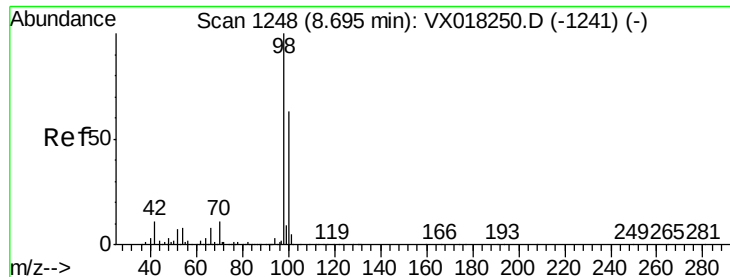
91 100

92 58.3 46.9 70.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.876 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

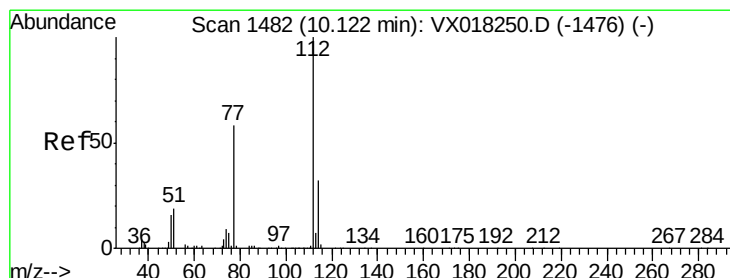
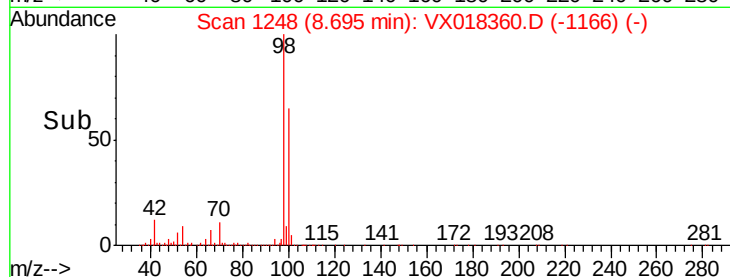
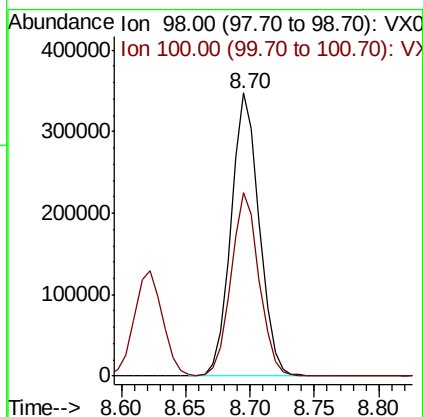
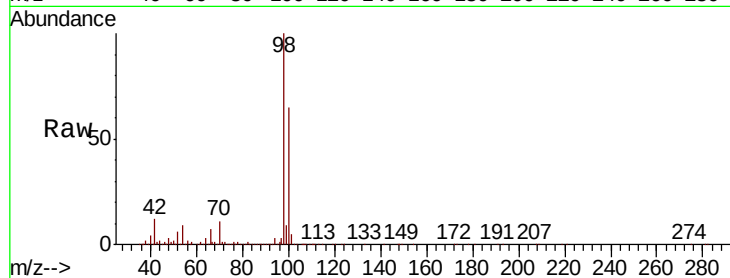
ClientSampleId :

Tot Ion: 98 Resp: 531624

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0



#64

Chlorobenzene

Concen: 80.446 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018360.D

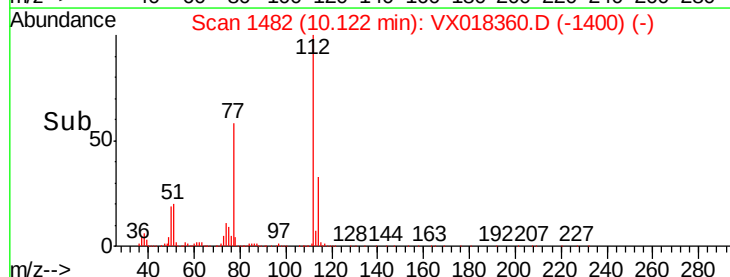
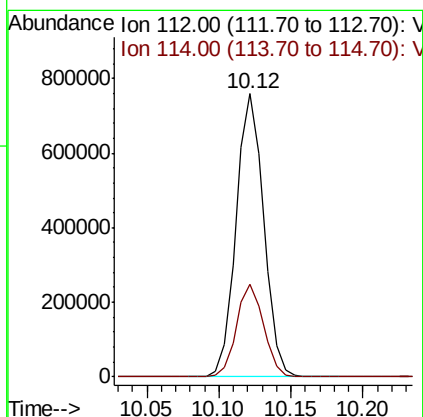
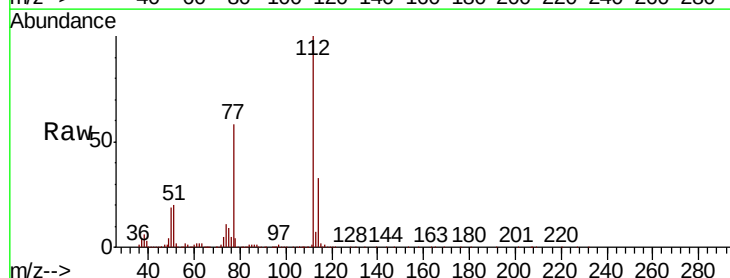
Acq: 11 Sep 2020 14:30

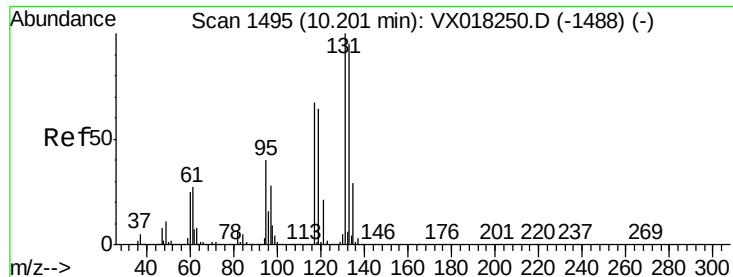
Tgt Ion: 112 Resp: 1016353

Ion Ratio Lower Upper

112 100

114 32.9 25.8 38.8





#65

1,1,1,2-Tetrachloroethane

Concen: 126.614 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

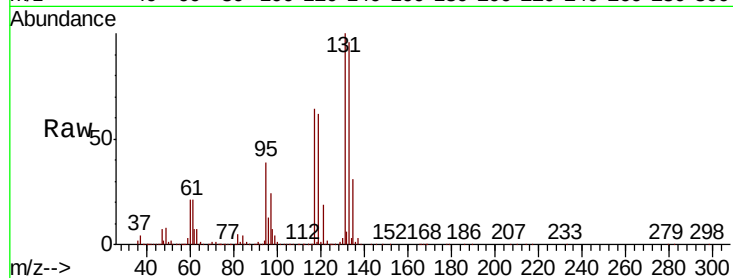
Tot Ion:131 Resp: 647842

Ion Ratio Lower Upper

131 100

133 95.6 0.0 197.2

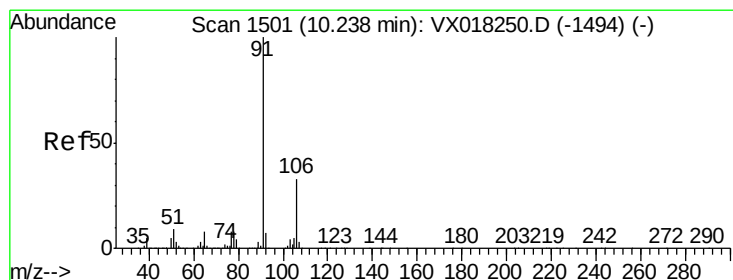
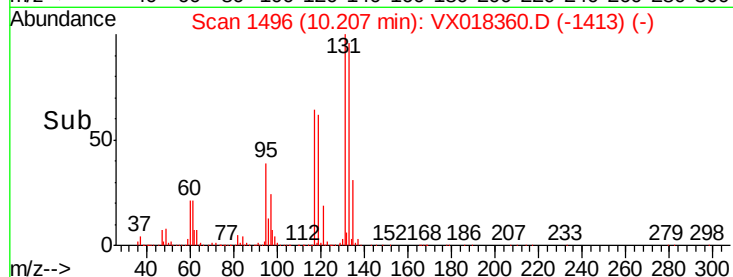
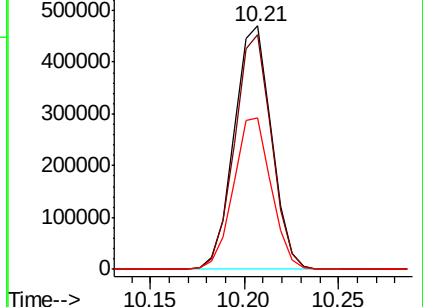
119 62.7 0.0 129.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 106.040 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX018360.D

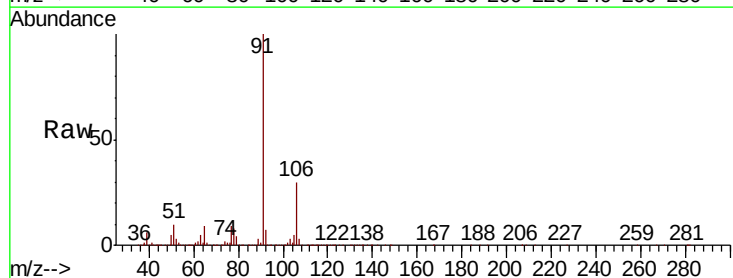
Acq: 11 Sep 2020 14:30

Tgt Ion: 91 Resp: 2303556

Ion Ratio Lower Upper

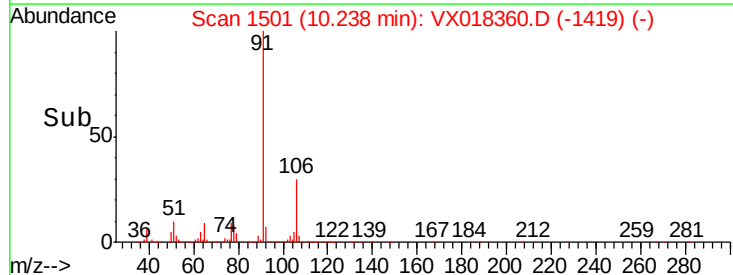
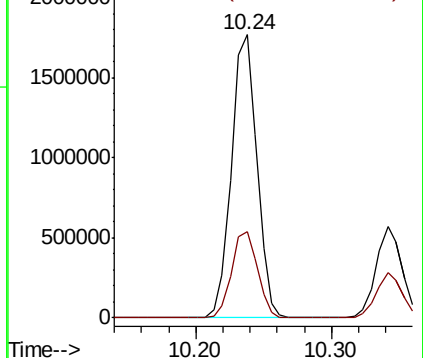
91 100

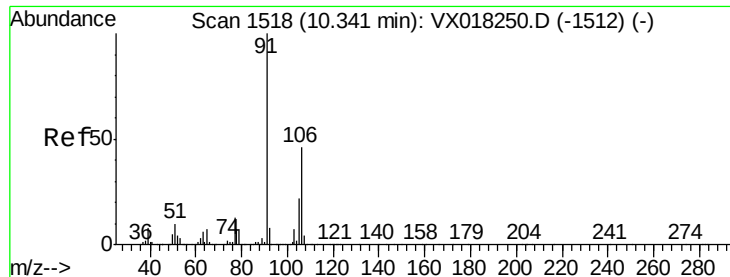
106 30.3 26.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

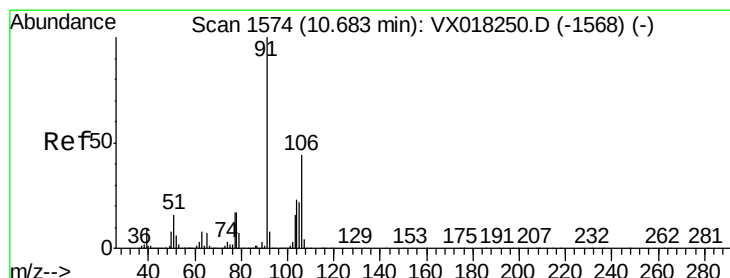
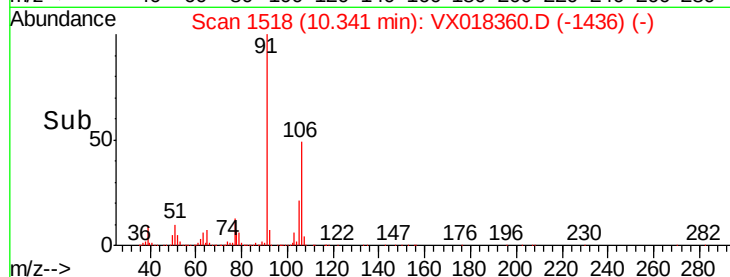
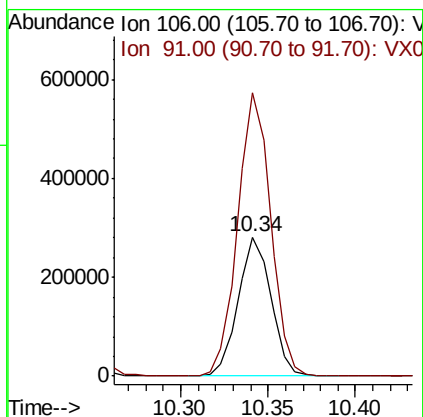
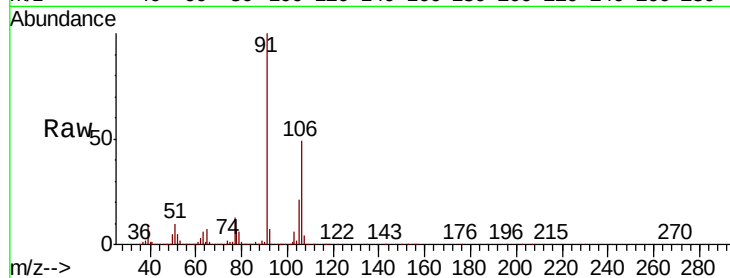




#67
m/p-Xylenes
Concen: 44.340 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018360.D
Acq: 11 Sep 2020 14:30

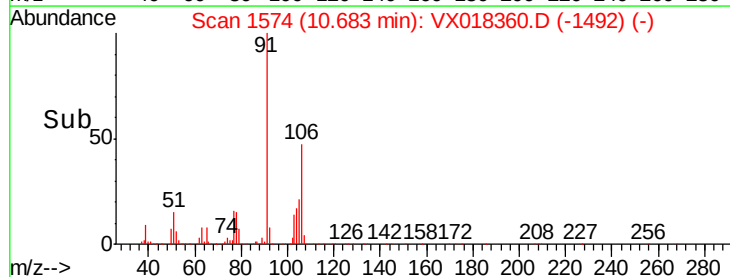
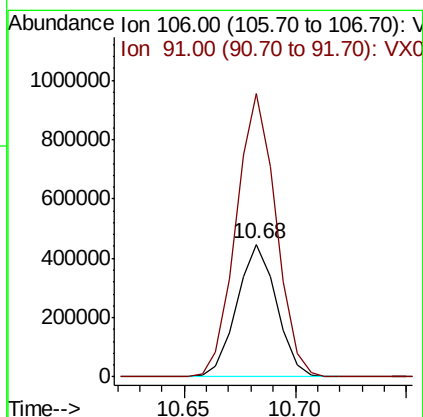
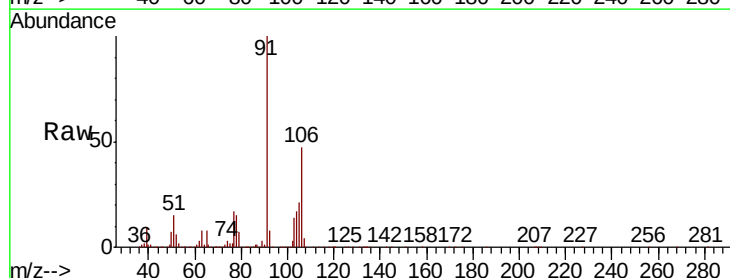
Instrument :
MSVOA_X
ClientSampleId :

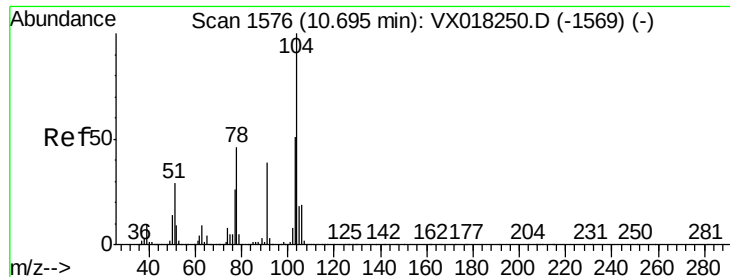
Tot Ion:106 Resp: 368355
Ion Ratio Lower Upper
106 100
91 204.8 166.2 249.2



#68
o-Xylene
Concen: 70.811 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018360.D
Acq: 11 Sep 2020 14:30

Tgt Ion:106 Resp: 555848
Ion Ratio Lower Upper
106 100
91 214.4 109.2 327.6





#69

Stvrene

Concen: 50.531 ug/l

RT: 10.69 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

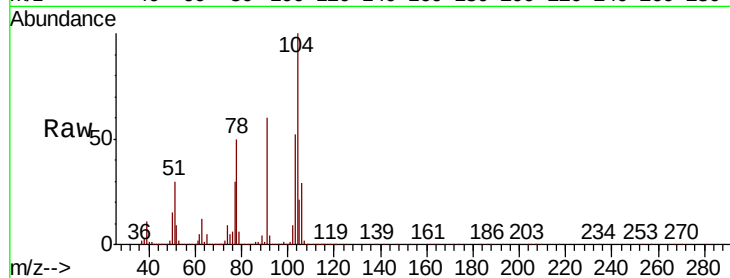
Tot Ion:104 Resp: 692036

Ion Ratio Lower Upper

104 100

78 56.3 41.7 62.5

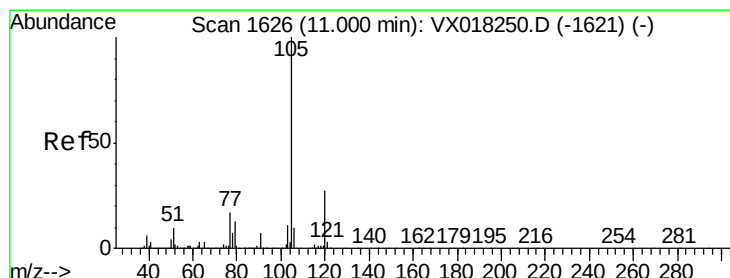
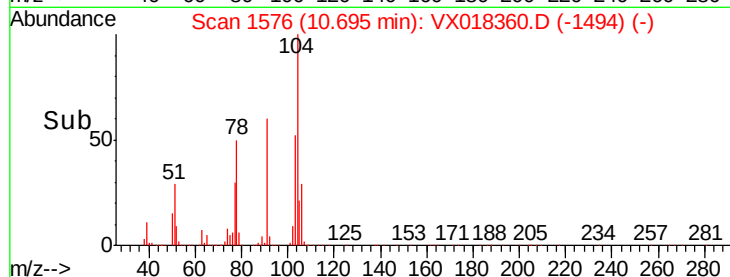
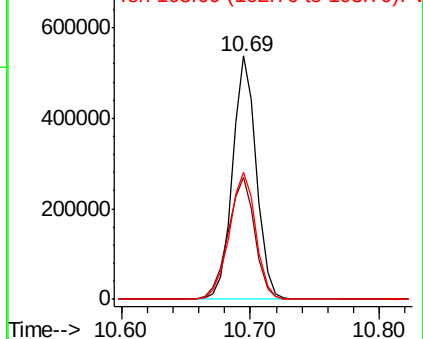
103 58.3 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 0.232 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018360.D

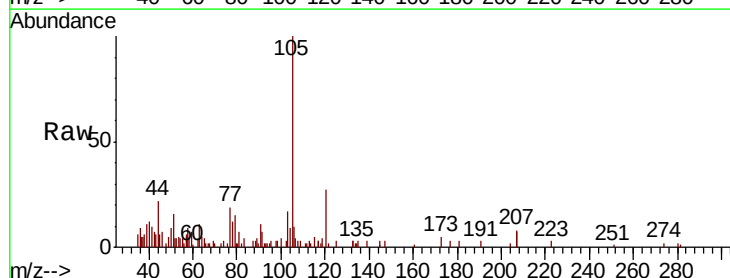
Acq: 11 Sep 2020 14:30

Tgt Ion:105 Resp: 5071

Ion Ratio Lower Upper

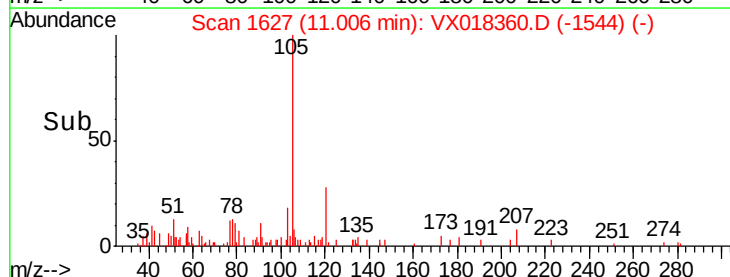
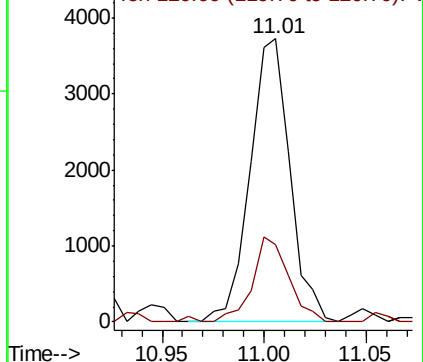
105 100

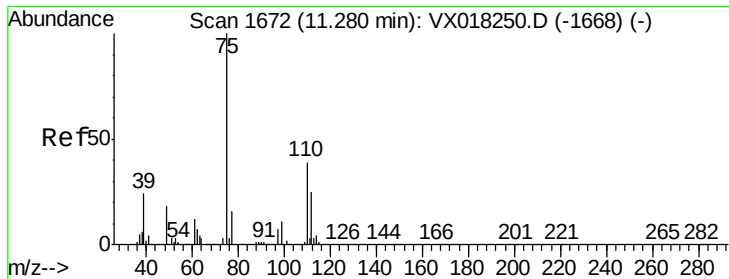
120 27.3 18.7 34.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#72

1,2,3-Trichloropropane

Concen: 77.739 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

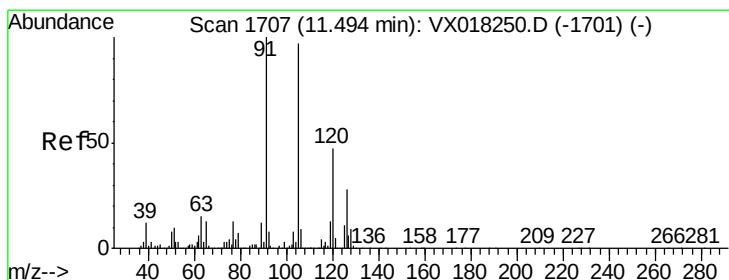
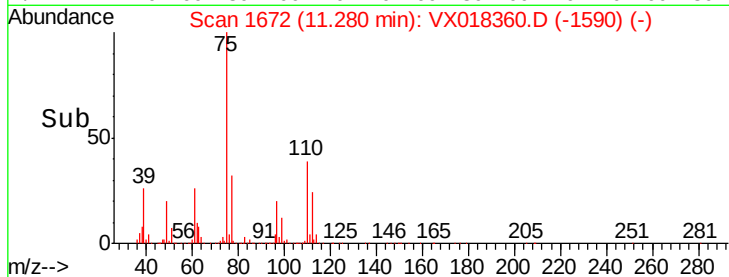
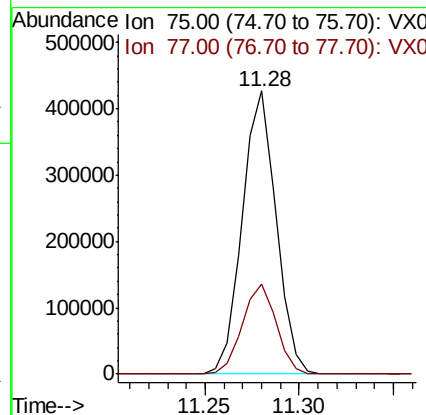
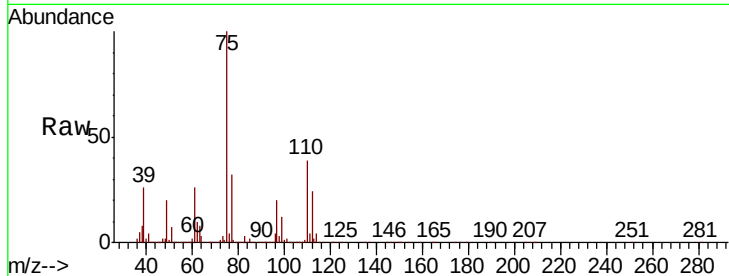
ClientSampled :

Tot Ion: 75 Resp: 532816

Ion Ratio Lower Upper

75 100

77 31.9 0.0 74.8



#76

1,3,5-Trimethylbenzene

Concen: 89.320 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018360.D

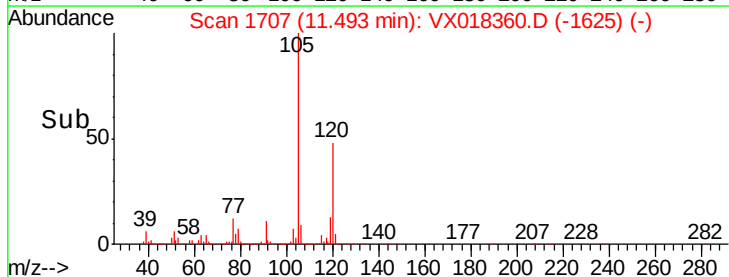
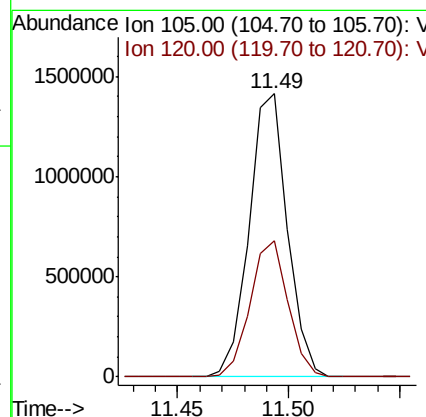
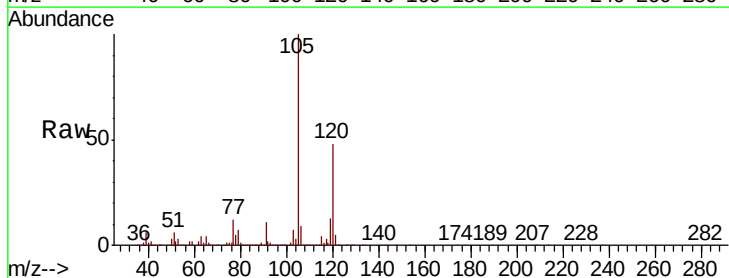
Acq: 11 Sep 2020 14:30

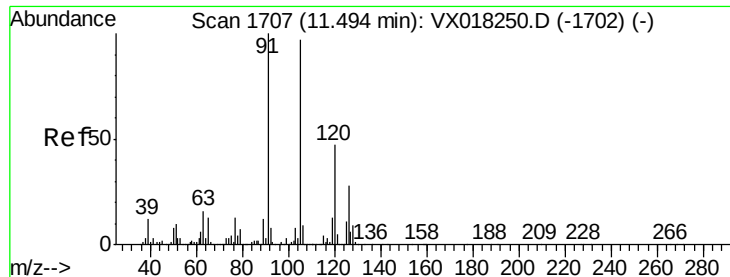
Tgt Ion: 105 Resp: 1698642

Ion Ratio Lower Upper

105 100

120 47.7 0.0 95.0





#78

4-Chlorotoluene

Concen: 10.152 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018360.D

Acq: 11 Sep 2020 14:30

Instrument :

MSVOA_X

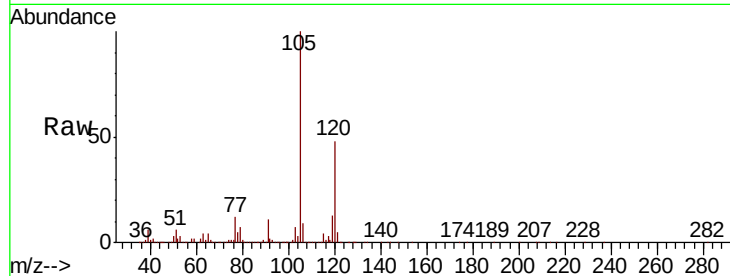
ClientSampleId :

Tot Ion: 91 Resp: 188673

Ion Ratio Lower Upper

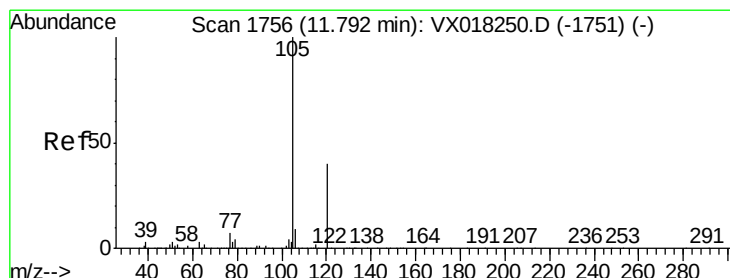
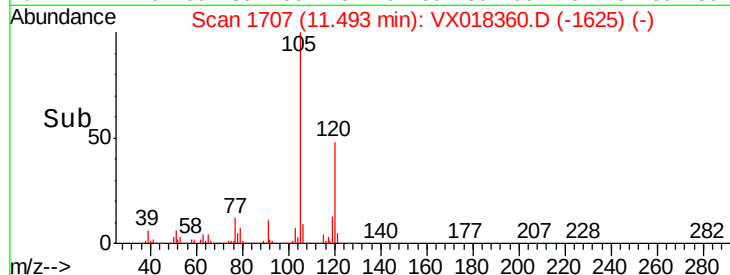
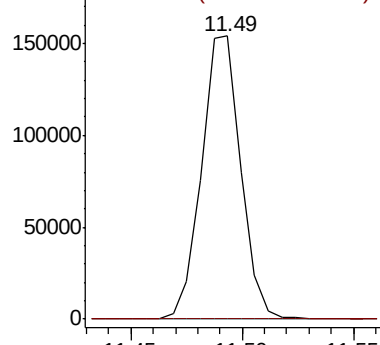
91 100

126 0.2 0.0 59.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#80

1,2,4-Trimethylbenzene

Concen: 0.446 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018360.D

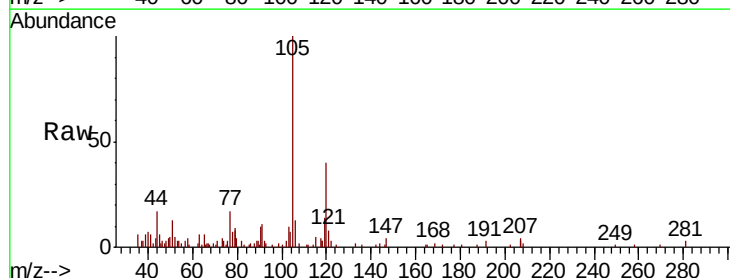
Acq: 11 Sep 2020 14:30

Tgt Ion:105 Resp: 8381

Ion Ratio Lower Upper

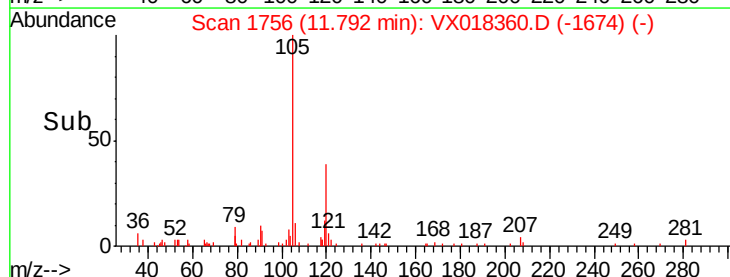
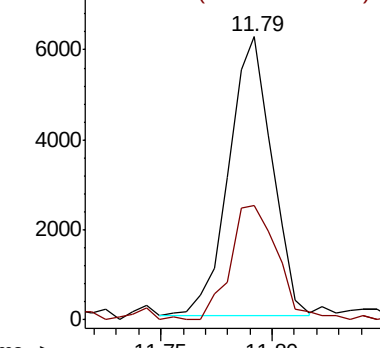
105 100

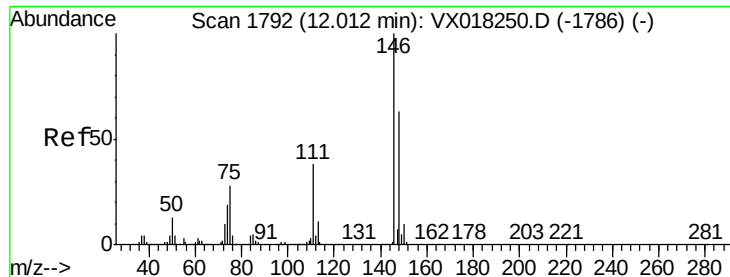
120 44.8 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

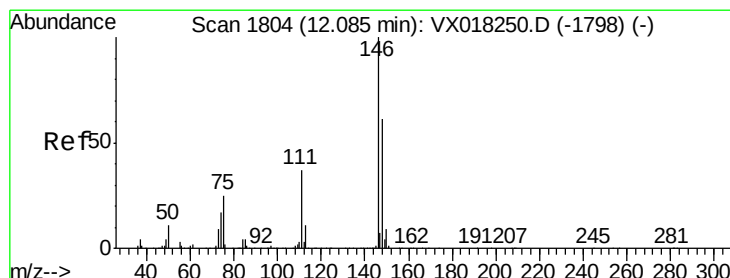
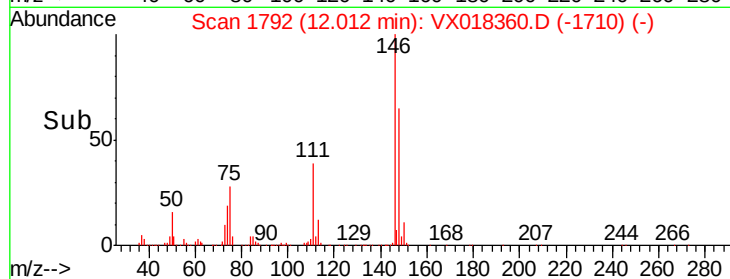
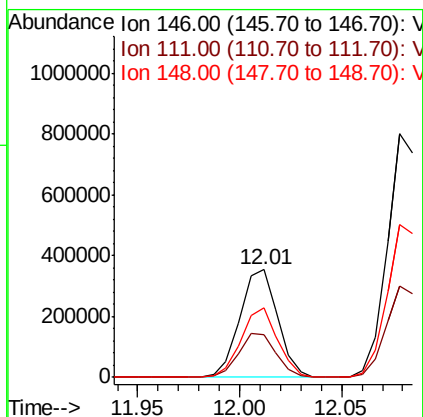
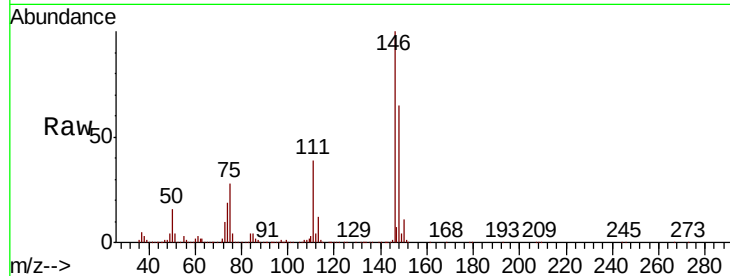




#83
 1,3-Dichlorobenzene
 Concen: 42.677 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX018360.D
 Acq: 11 Sep 2020 14:30

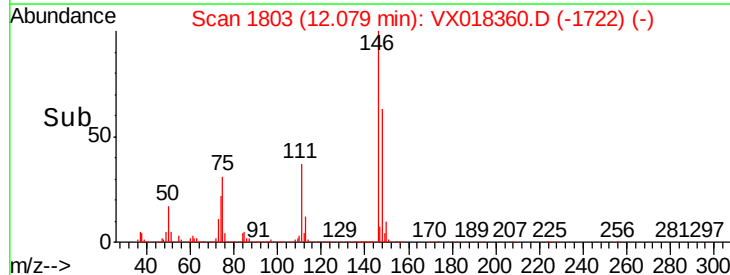
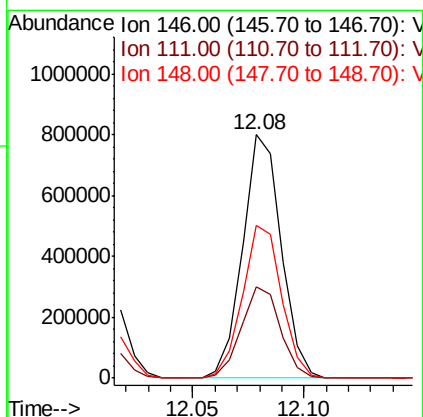
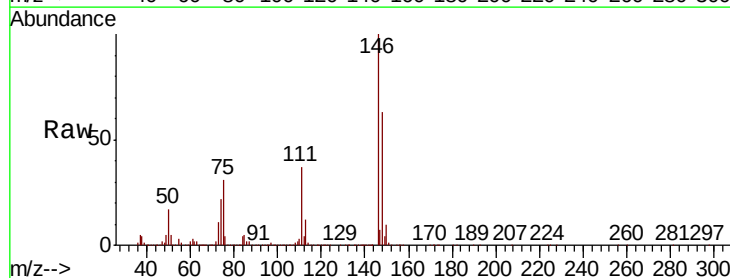
Instrument :
 MSVOA_X
 ClientSampleId :

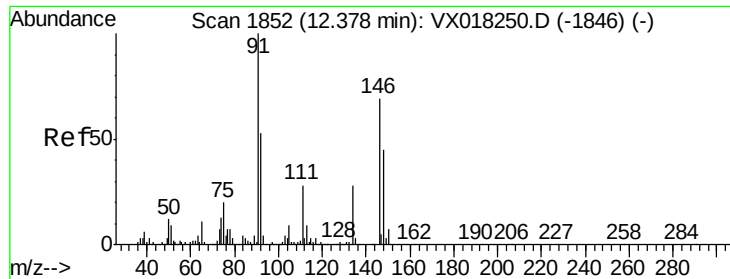
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	62.2	32.1	96.3



#84
 1,4-Dichlorobenzene
 Concen: 90.620 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX018360.D
 Acq: 11 Sep 2020 14:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.8
148	63.7	31.7	95.1

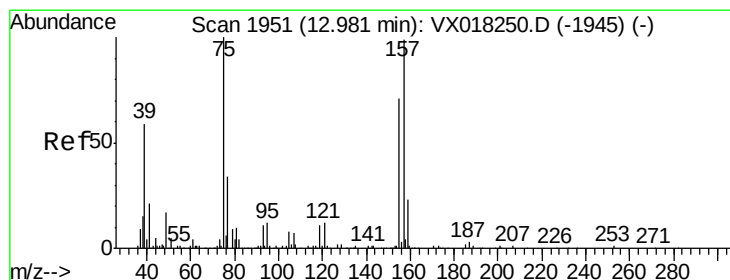
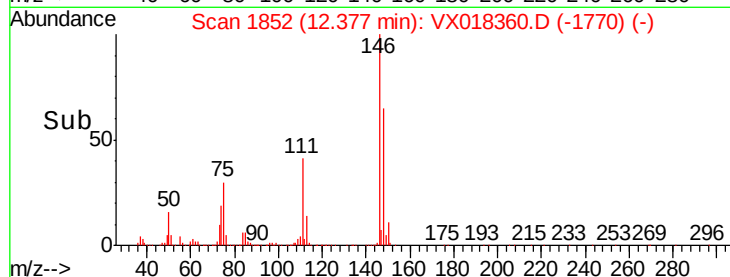
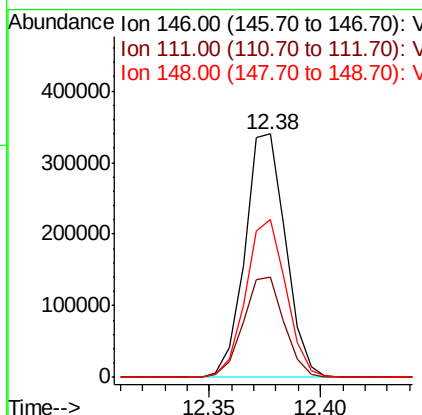
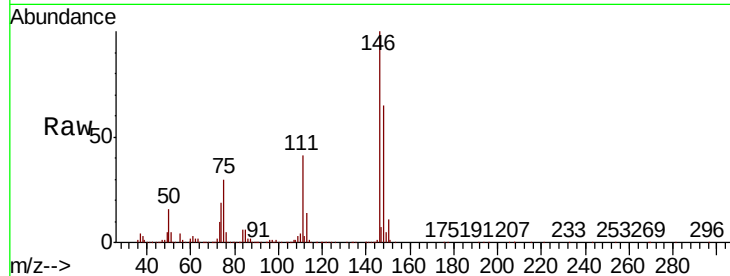




#87
 1,2-Dichlorobenzene
 Concen: 43.323 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018360.D
 Acq: 11 Sep 2020 14:30

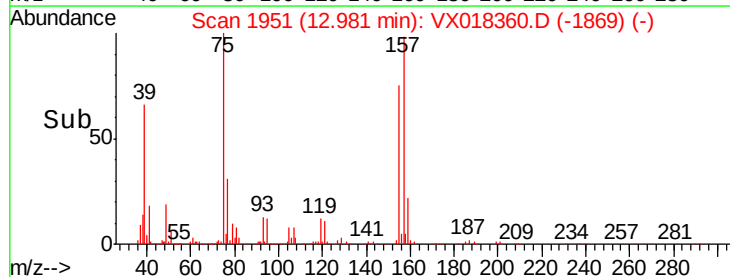
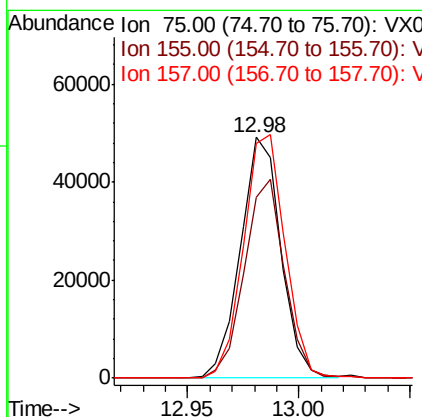
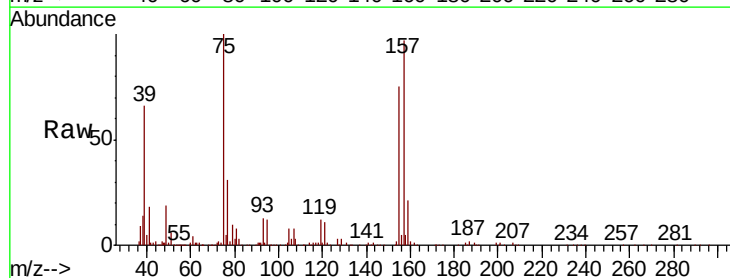
Instrument :
 MSVOA_X
 ClientSampleId :

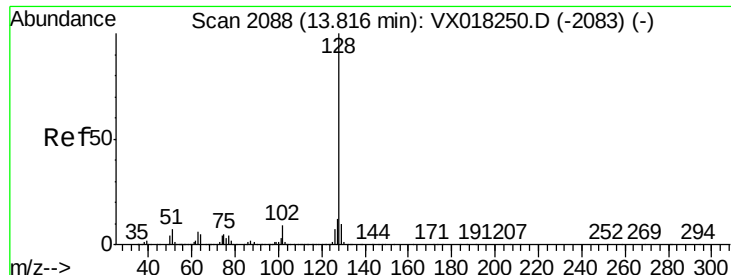
Tot Ion:146 Resp: 433786
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.4 64.3
 148 64.1 32.0 96.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 34.200 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX018360.D
 Acq: 11 Sep 2020 14:30

Tgt Ion: 75 Resp: 62412
 Ion Ratio Lower Upper
 75 100
 155 82.1 63.4 95.2
 157 104.3 87.0 130.6

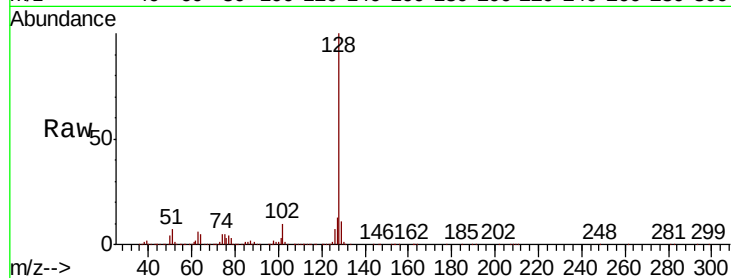




#91
Naphthalene
Concen: 77.624 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018360.D
Acq: 11 Sep 2020 14:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 1641078
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

