

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018390.D
 Acq On : 14 Sep 2020 17:44
 Operator : JC/SP
 Sample : PB131574ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:12:08 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	5.63	168	454253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	719952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	715241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	346931	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	316034	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
35) Dibromofluoromethane	5.47	113	247281	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	8.70	98	904956	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.12	95	342382	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	

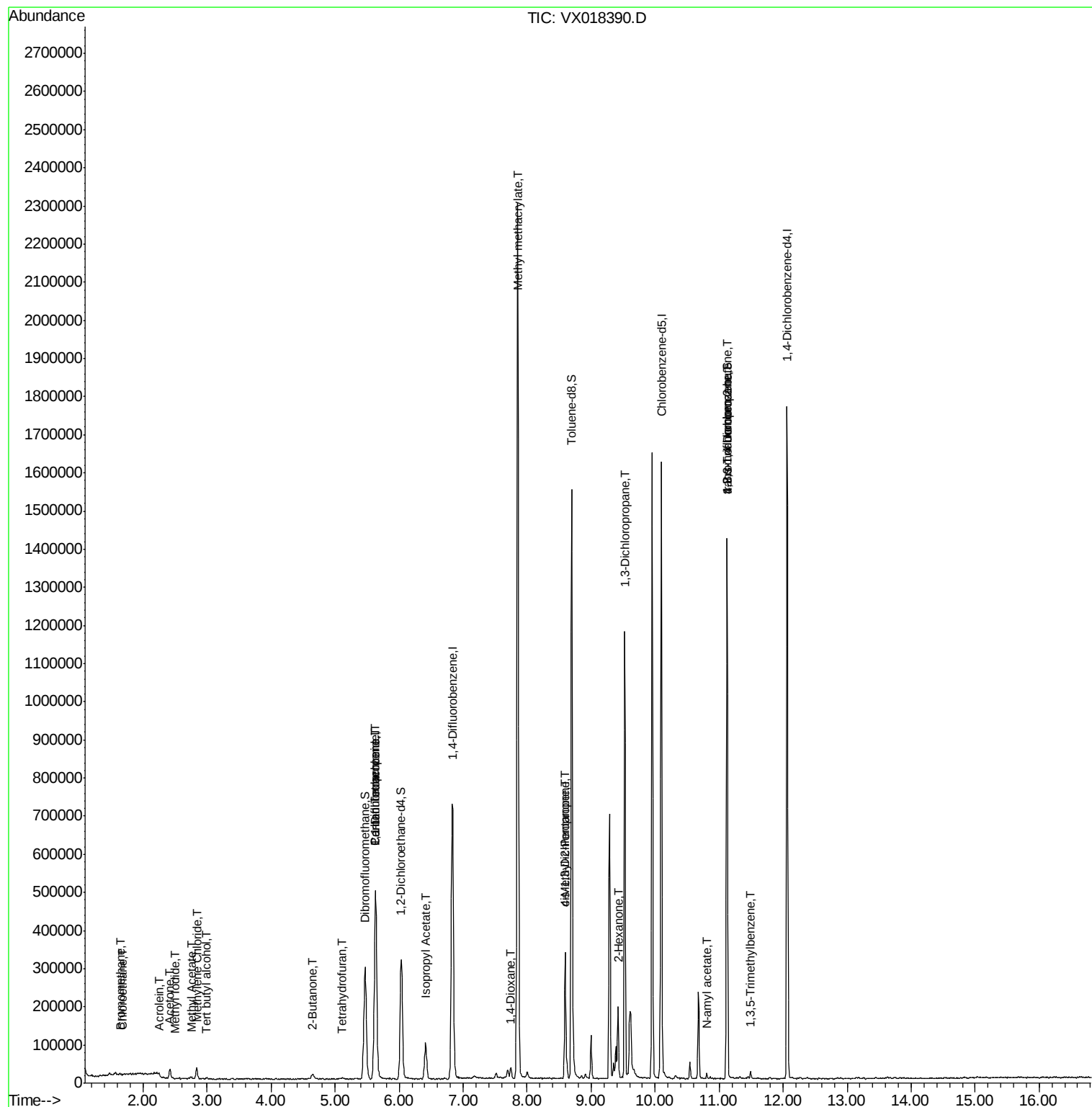
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	606	0.216	ug/l #	12
6) Chloroethane	1.68	64	656	0.210	ug/l #	87
10) Methyl Iodide	2.50	142	448	5.374	ug/l #	86
11) Tert butyl alcohol	2.99	59	3468	2.828	ug/l	99
13) Acrolein	2.26	56	287	0.564	ug/l #	70
16) Acetone	2.42	43	26804	10.908	ug/l	98
18) Methyl Acetate	2.75	43	7006	1.182	ug/l #	84
20) Methylene Chloride	2.84	84	14384	1.736	ug/l	95
25) 2-Butanone	4.64	43	8356	2.069	ug/l	94
29) Tetrahydrofuran	5.10	42	3843	1.495	ug/l	93
36) 1,1-Dichloropropene	5.63	75	34676	5.222	ug/l #	53
38) Carbon Tetrachloride	5.64	117	48119	6.430	ug/l #	16
43) Isopropyl Acetate	6.42	43	124060	9.959	ug/l	99
48) Methyl methacrylate	7.85	41	203061	32.745	ug/l #	44
49) 1,4-Dioxane	7.73	88	88	0.783	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	127468	16.565	ug/l #	45
54) cis-1,3-Dichloropropene	8.59	75	51739	5.968	ug/l #	62
57) 1,3-Dichloropropane	9.52	76	9666	1.111	ug/l #	43
59) 2-Hexanone	9.42	43	118620	20.273	ug/l #	25
74) N-amyl acetate	10.80	43	5909	0.544	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	179553	23.265	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	8050	0.428	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	179553	62.836	ug/l #	12

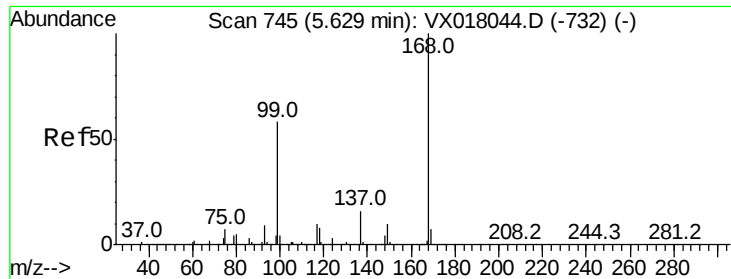
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

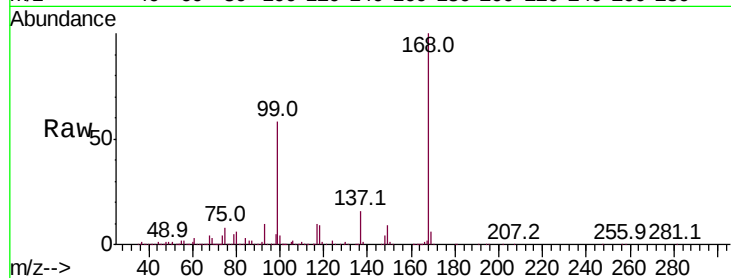
ClientSampleId :

Tot Ion:168 Resp: 454253

Ion Ratio Lower Upper

168 100

99 57.6 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

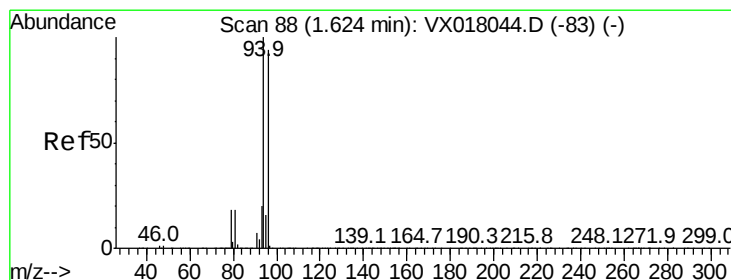
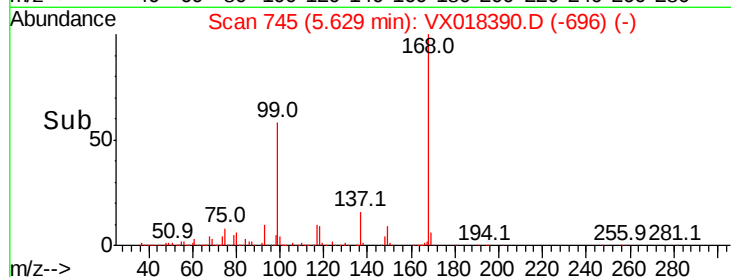
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018390.D

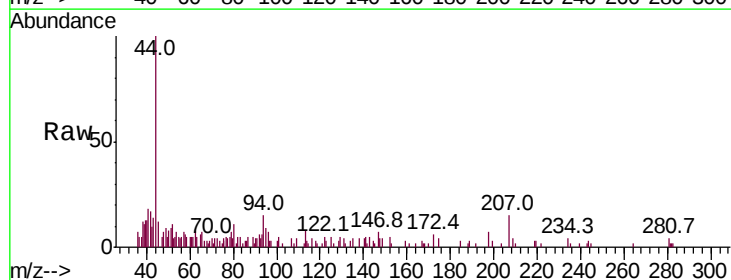
Acq: 14 Sep 2020 17:44

Tgt Ion: 94 Resp: 606

Ion Ratio Lower Upper

94 100

96 8.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

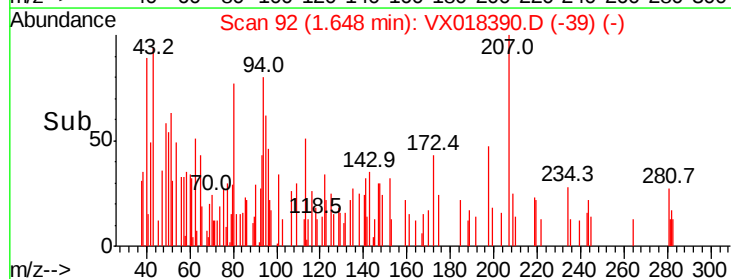
300

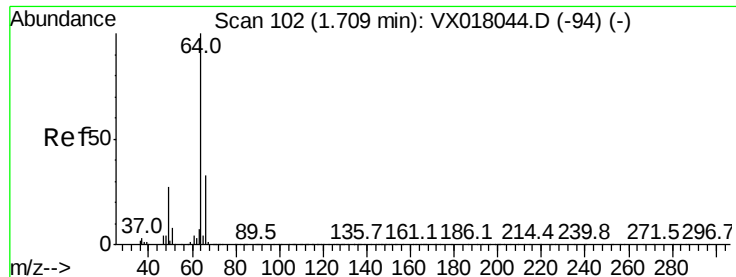
200

100

0

Time-->





#6

Chloroethane

Concen: 0.210 ug/l

RT: 1.68 min Scan# 98

Delta R.T. -0.02 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

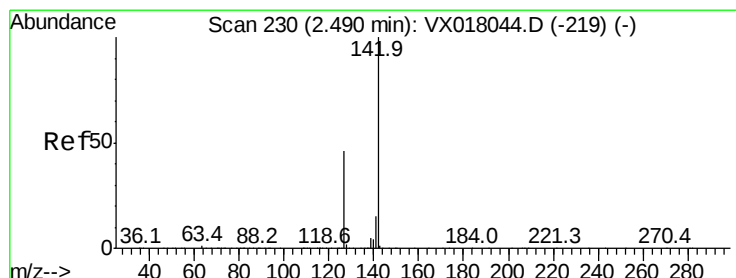
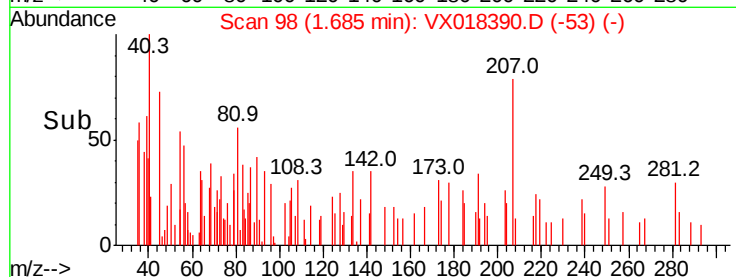
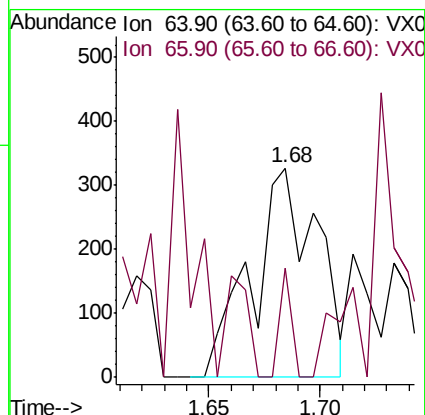
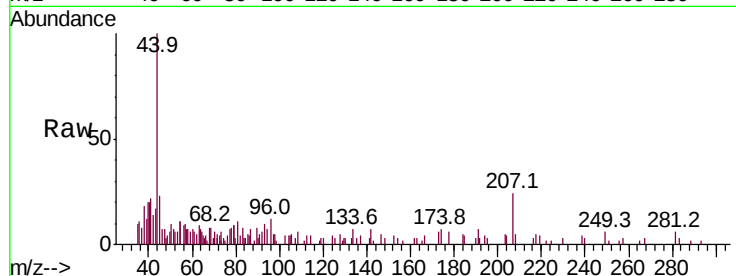
ClientSampled :

Tot Ion: 64 Resp: 656

Ion Ratio Lower Upper

64 100

66 25.7 26.6 39.8#



#10

Methyl Iodide

Concen: 5.374 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

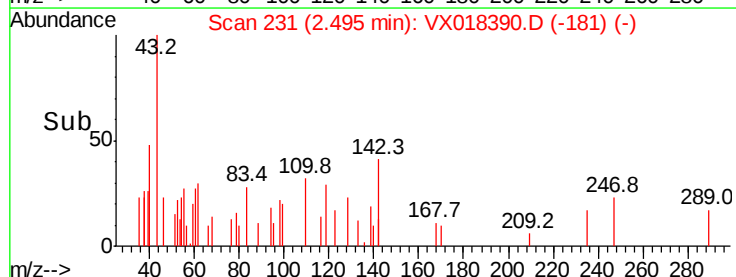
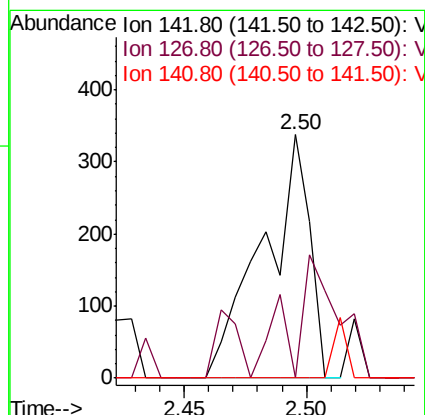
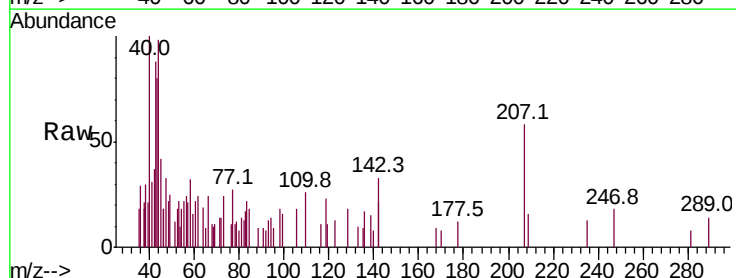
Tgt Ion: 142 Resp: 448

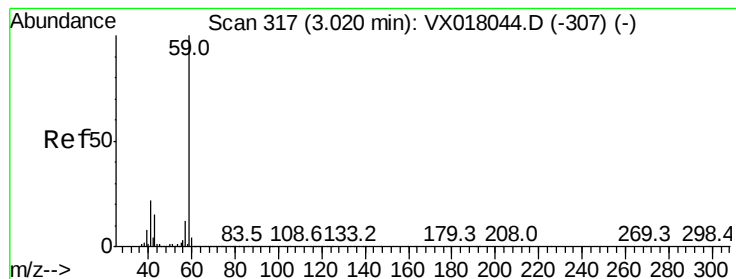
Ion Ratio Lower Upper

142 100

127 51.1 37.0 55.6

141 0.0 11.5 17.3#



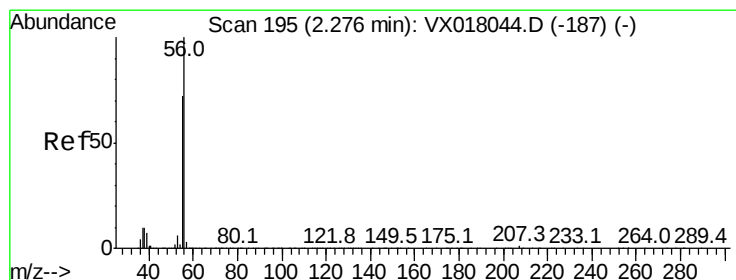
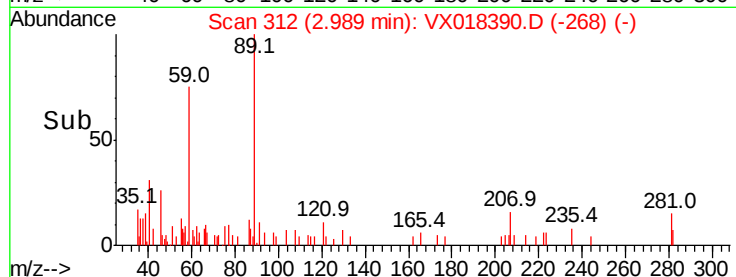
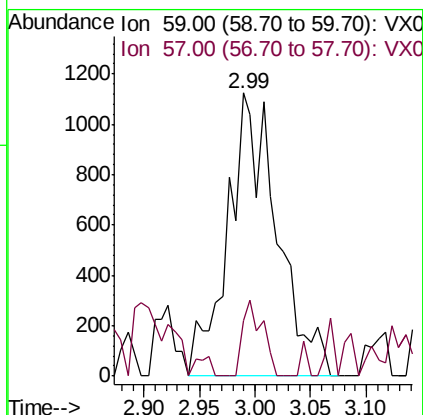
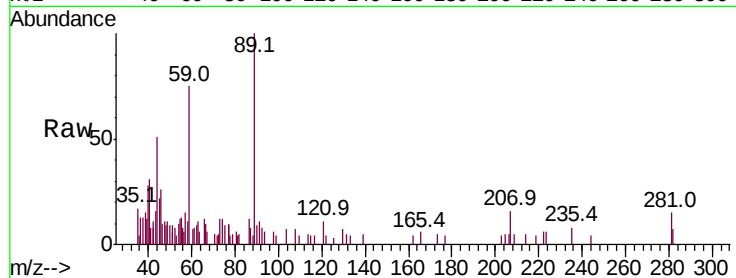


#11

Tert butyl alcohol
Concen: 2.828 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX018390.D
Acq: 14 Sep 2020 17:44

Instrument :
MSVOA_X
ClientSampleId :

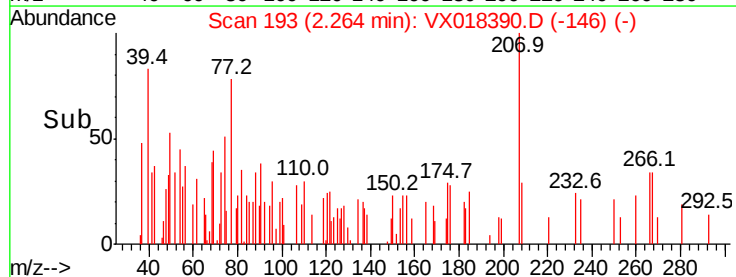
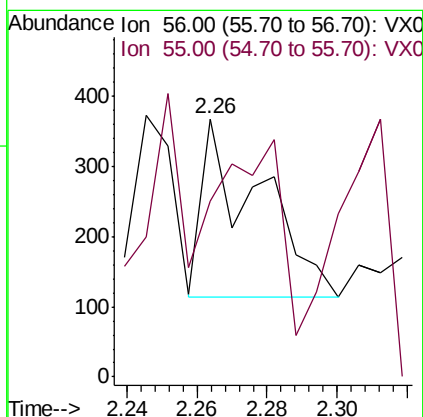
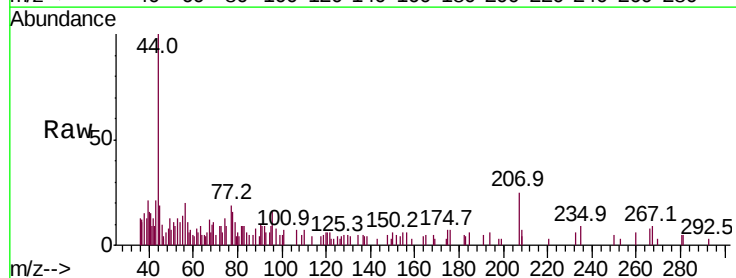
Tot Ion: 59 Resp: 3468
Ion Ratio Lower Upper
59 100
57 10.8 8.9 13.3

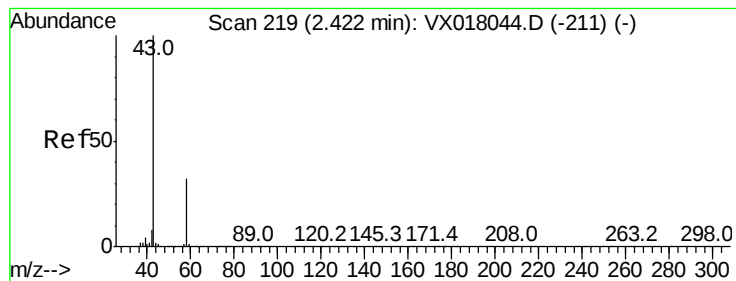


#13

Acrolein
Concen: 0.564 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX018390.D
Acq: 14 Sep 2020 17:44

Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 96.2 57.0 85.6#





#16

Acetone

Concen: 10.908 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

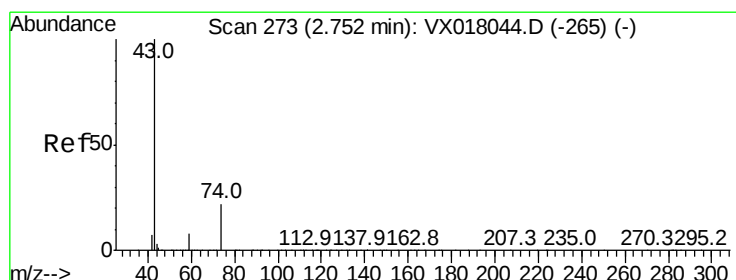
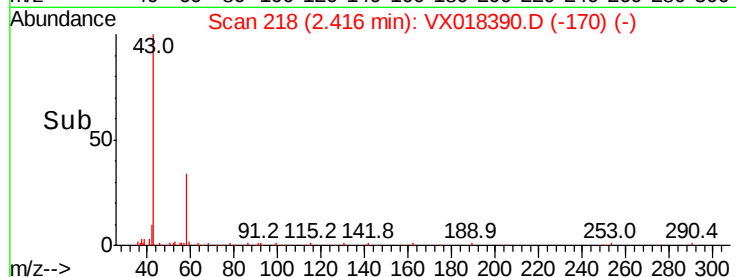
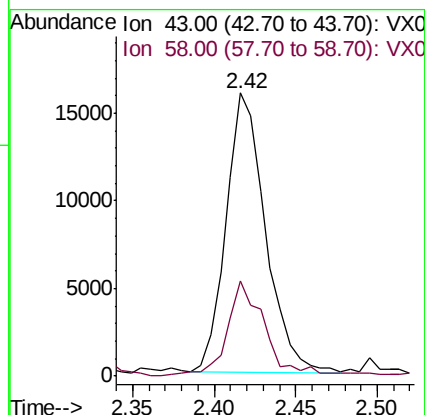
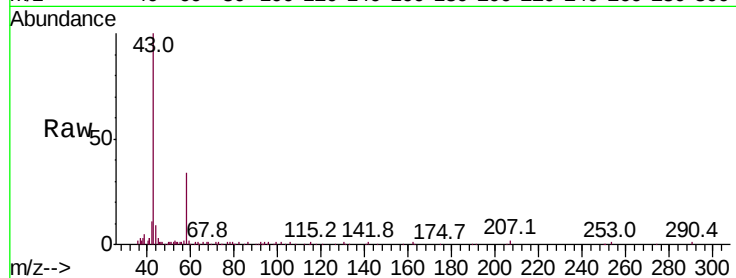
ClientSampleId :

Tot Ion: 43 Resp: 26804

Ion Ratio Lower Upper

43 100

58 33.1 25.5 38.3



#18

Methyl Acetate

Concen: 1.182 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018390.D

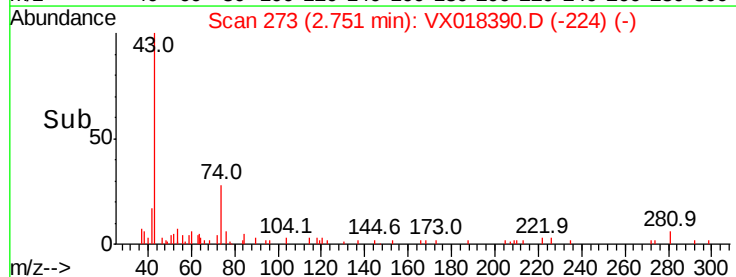
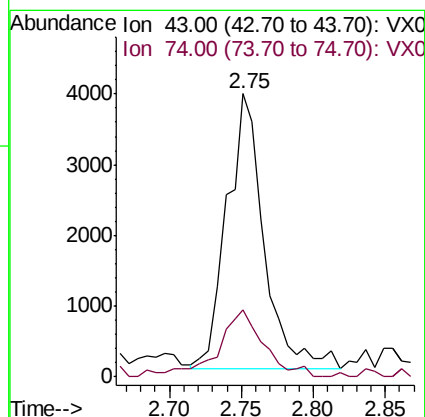
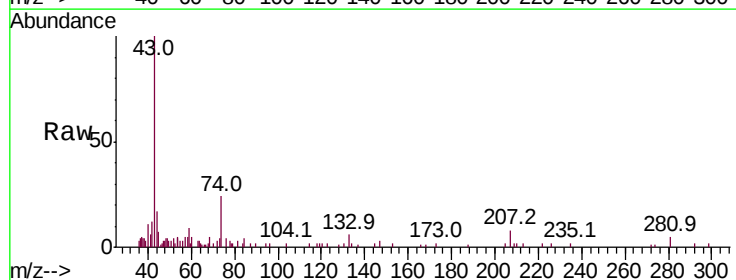
Acq: 14 Sep 2020 17:44

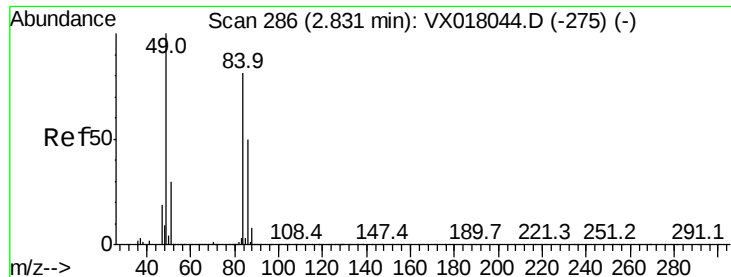
Tgt Ion: 43 Resp: 7006

Ion Ratio Lower Upper

43 100

74 30.6 18.2 27.4#

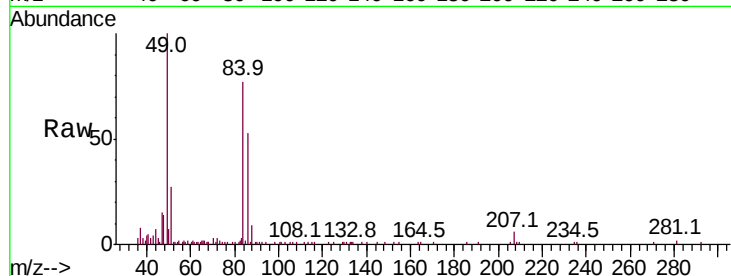




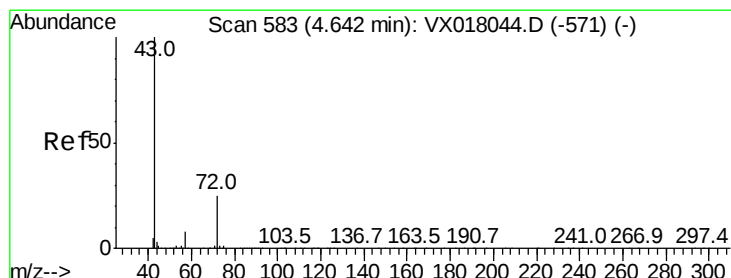
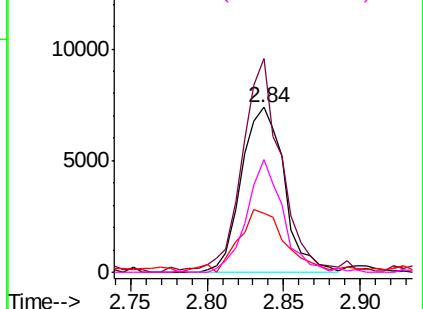
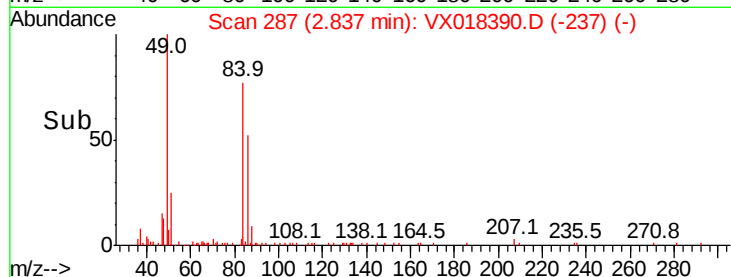
#20
Methvlene Chloride
Concen: 1.736 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018390.D
Acq: 14 Sep 2020 17:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 14384
Ion Ratio Lower Upper
84 100
49 126.8 98.6 148.0
51 33.1 29.6 44.4
86 68.4 49.8 74.6

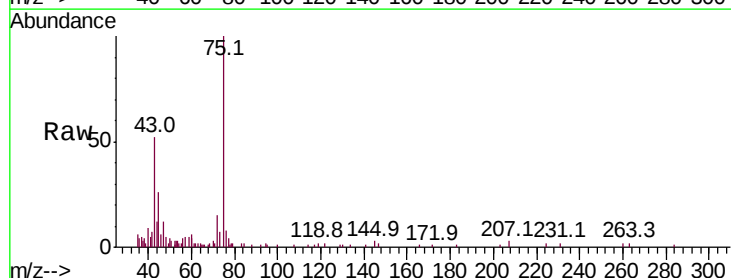


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

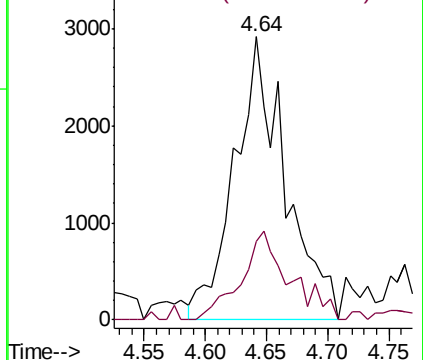
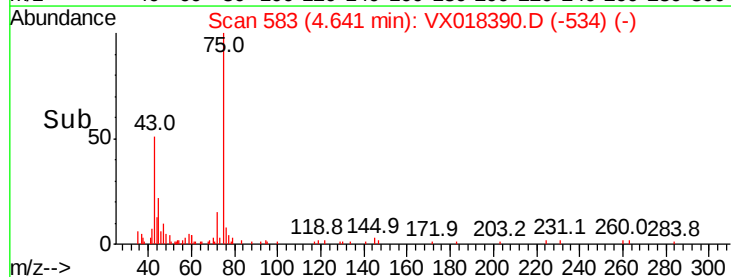


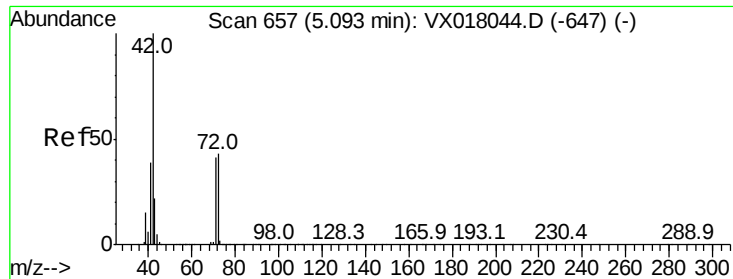
#25
2-Butanone
Concen: 2.069 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018390.D
Acq: 14 Sep 2020 17:44

Tgt Ion: 43 Resp: 8356
Ion Ratio Lower Upper
43 100
72 27.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.495 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

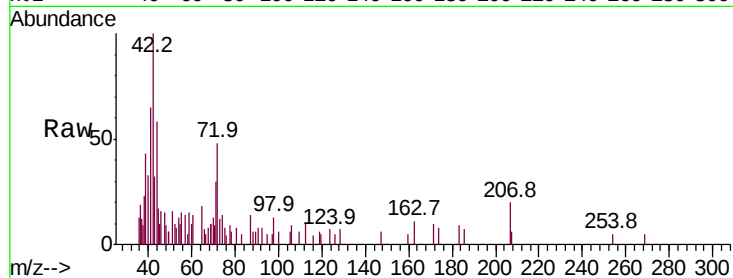
Tot Ion: 42 Resp: 3843

Ion Ratio Lower Upper

42 100

72 41.2 34.2 51.4

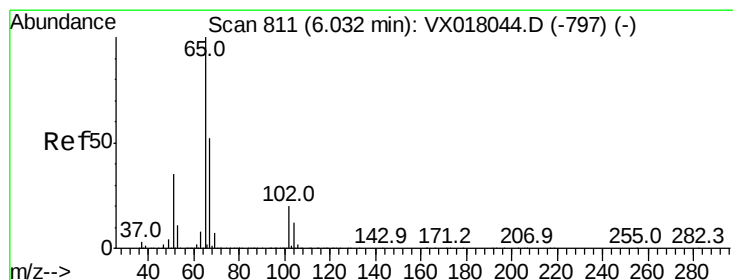
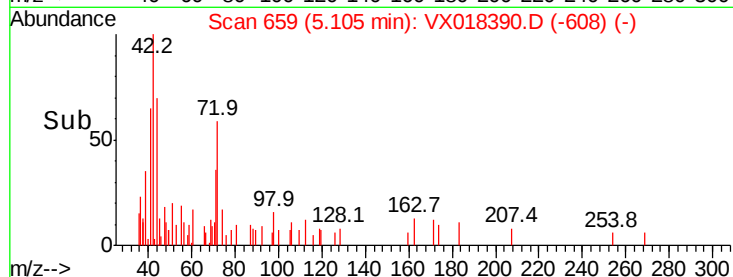
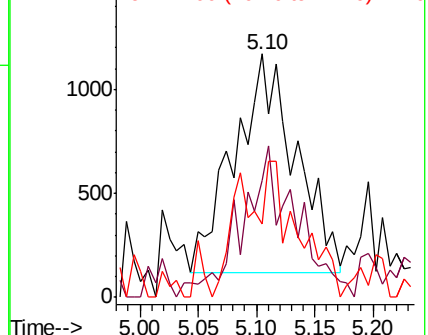
71 32.6 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.115 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018390.D

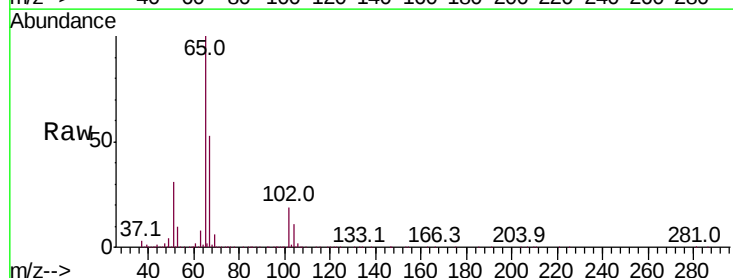
Acq: 14 Sep 2020 17:44

Tgt Ion: 65 Resp: 316034

Ion Ratio Lower Upper

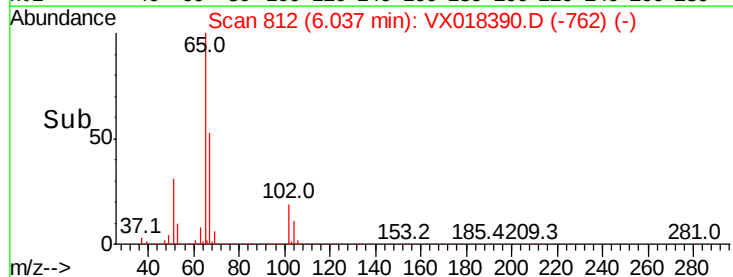
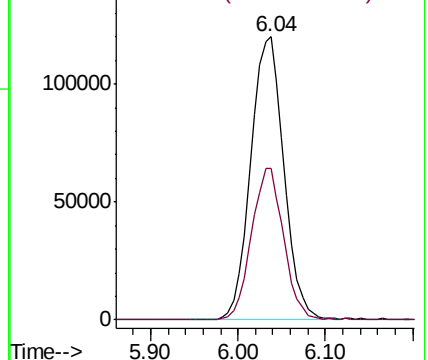
65 100

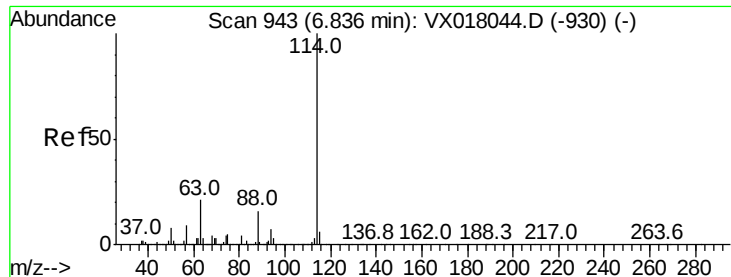
67 51.7 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

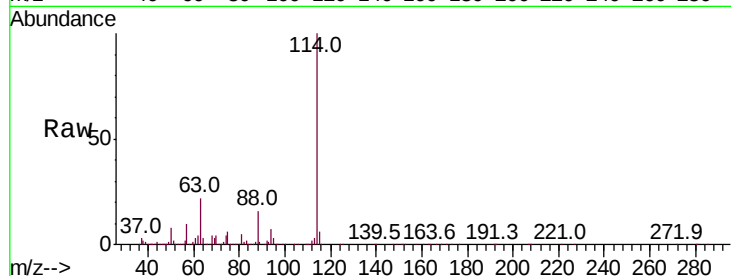
Tot Ion:114 Resp: 719952

Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.6

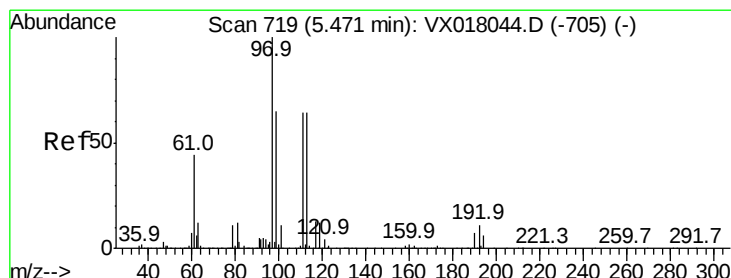
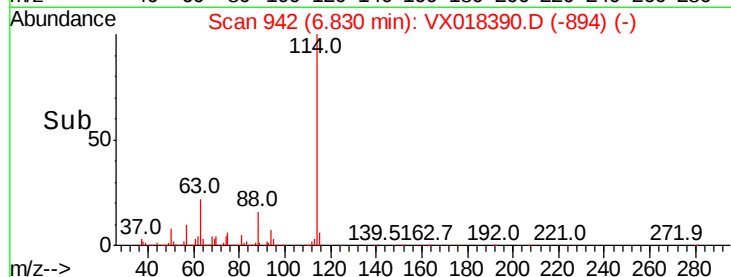
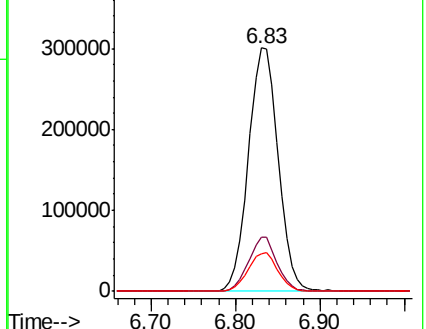
88 15.6 0.0 31.8



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: 50.432 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

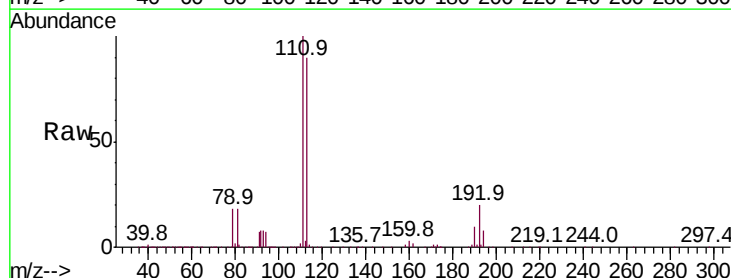
Tgt Ion:113 Resp: 247281

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

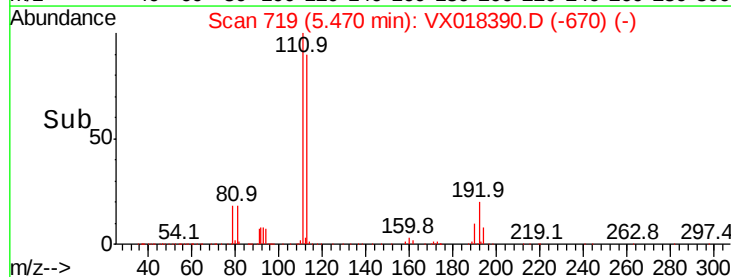
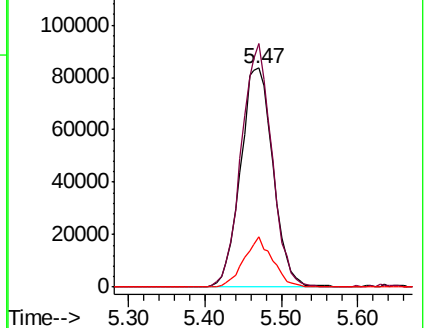
192 20.3 15.8 23.8

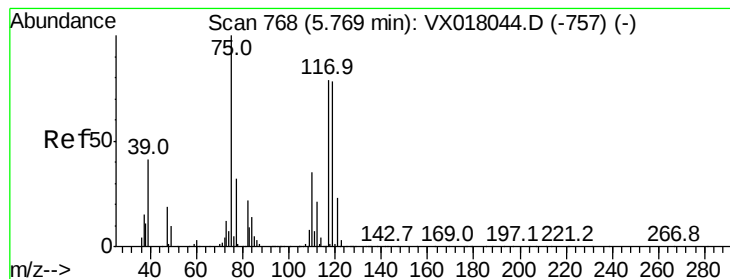


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.222 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

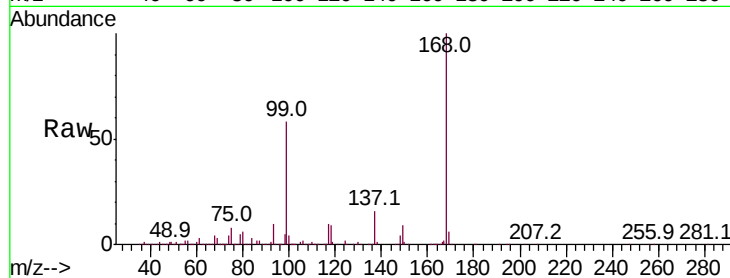
Tot Ion: 75 Resp: 34676

Ion Ratio Lower Upper

75 100

110 12.5 18.0 54.0#

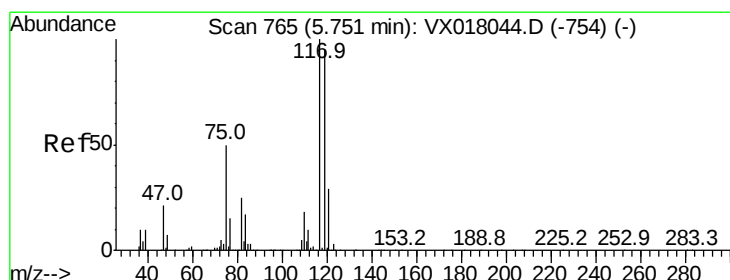
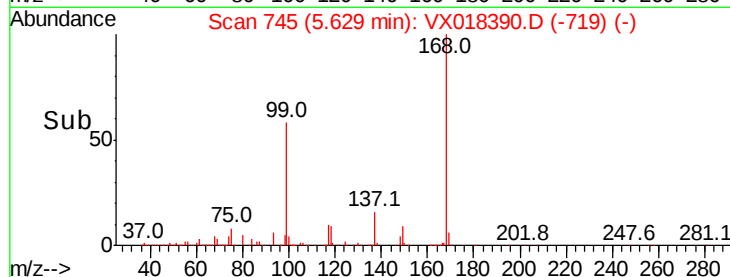
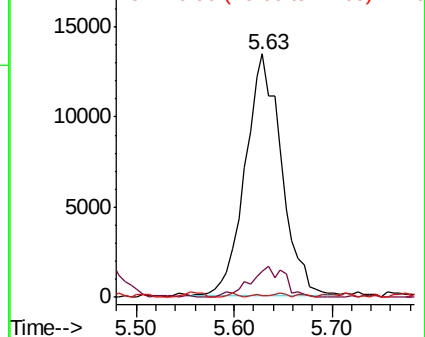
77 0.3 24.4 36.6#



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: 6.430 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

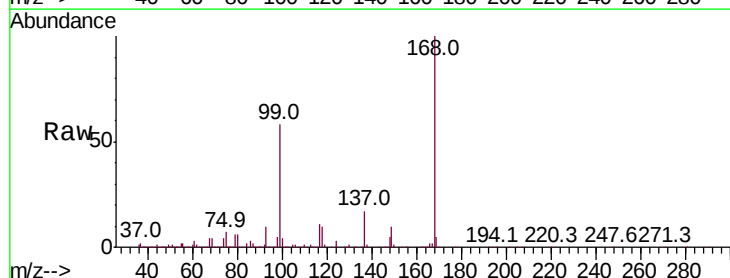
Tgt Ion: 117 Resp: 48119

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

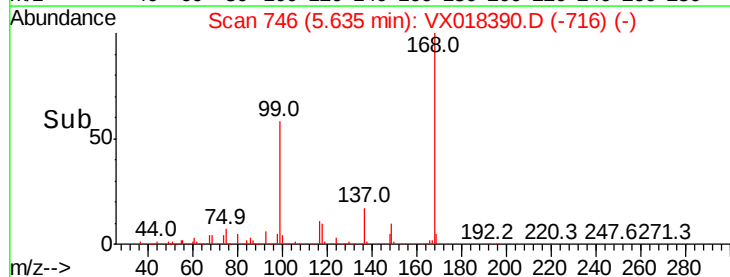
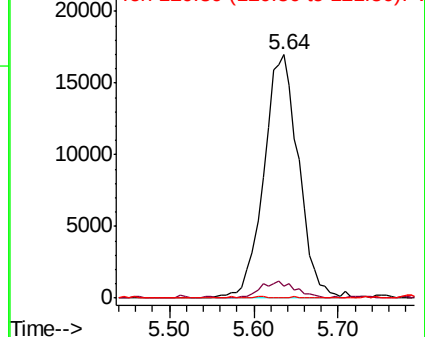
121 0.0 23.4 35.0#

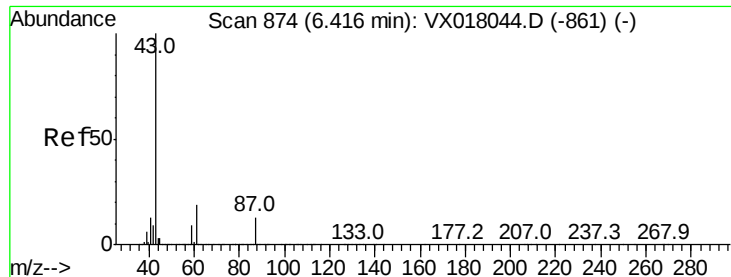


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



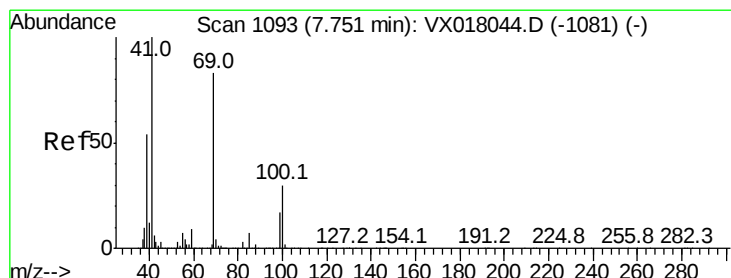
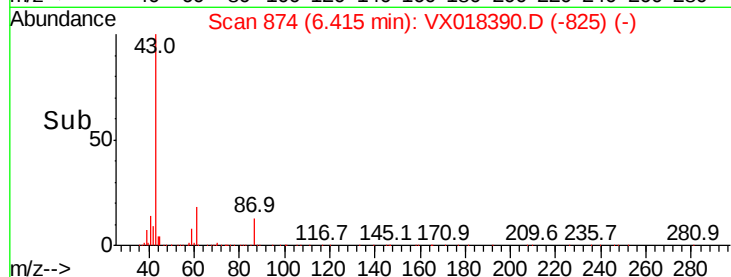
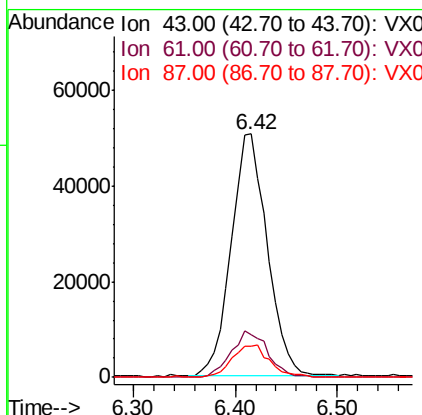
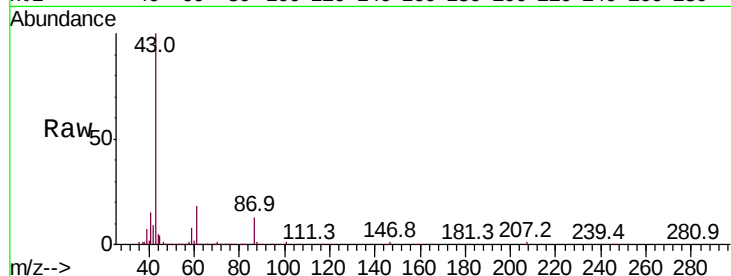


#43

Isopropyl Acetate
 Concen: 9.959 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX018390.D
 Acq: 14 Sep 2020 17:44

Instrument :
 MSVOA_X
 ClientSampleId :

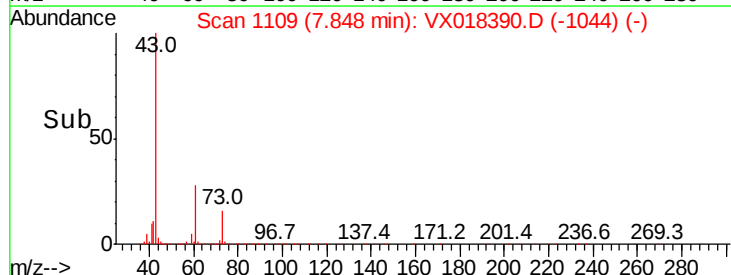
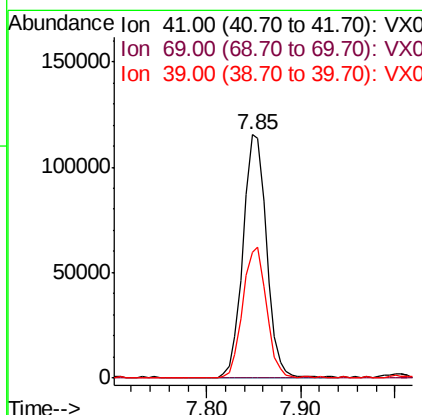
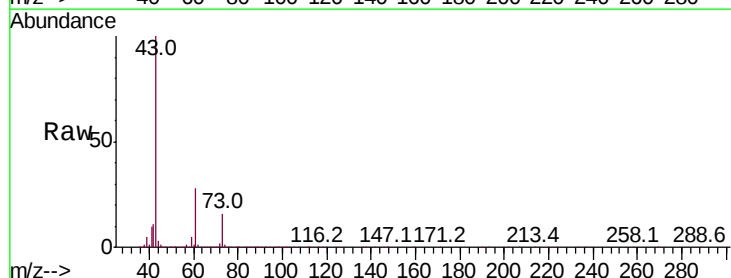
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.7	23.5
87	14.0	10.3	15.5

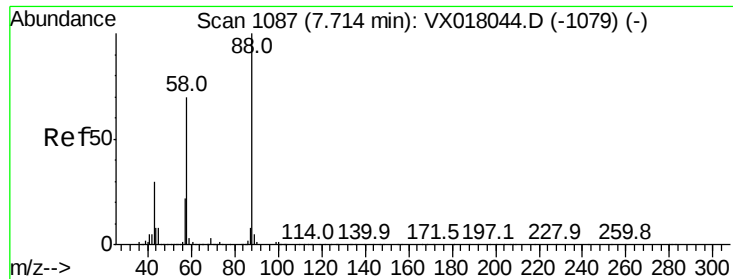


#48

Methyl methacrylate
 Concen: 32.745 ug/l
 RT: 7.85 min Scan# 1109
 Delta R.T. 0.10 min
 Lab File: VX018390.D
 Acq: 14 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.2	65.5	98.3#
39	53.7	44.5	66.7





#49

1,4-Dioxane

Concen: 0.783 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :
MSVOA_X
ClientSampled :

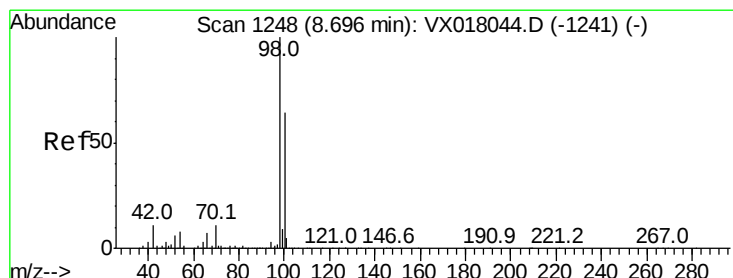
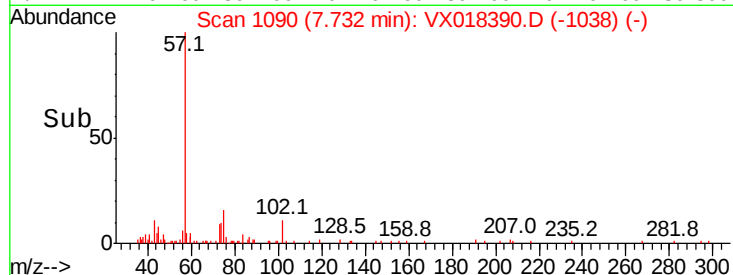
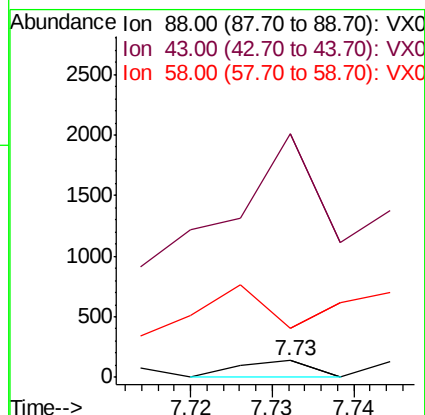
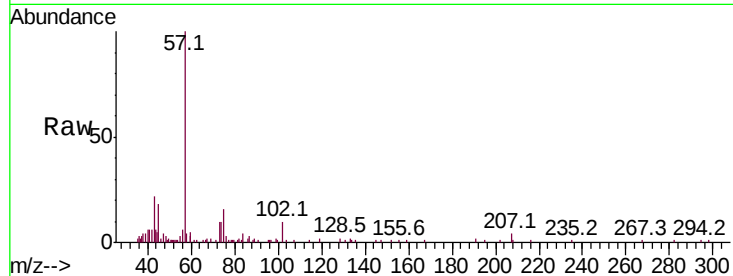
Tot Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 410.2 56.4 84.6#



#50

Toluene-d8

Concen: 49.553 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018390.D

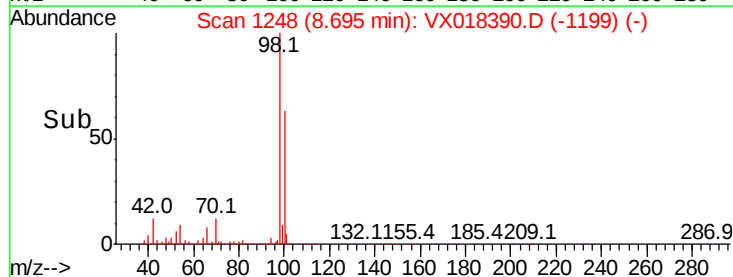
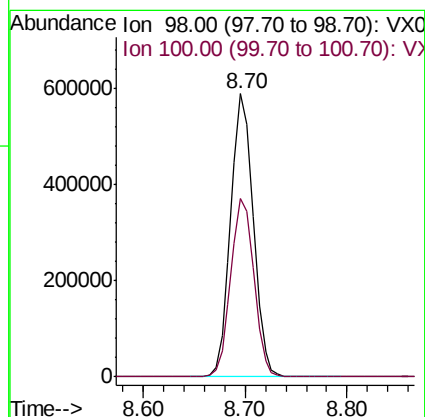
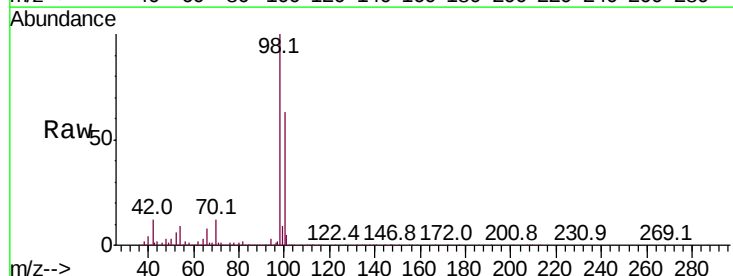
Acq: 14 Sep 2020 17:44

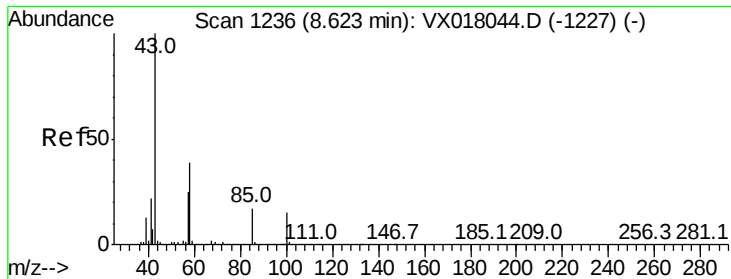
Tgt Ion: 98 Resp: 904956

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 16.565 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

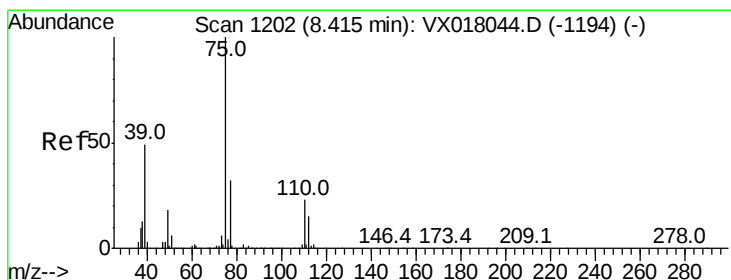
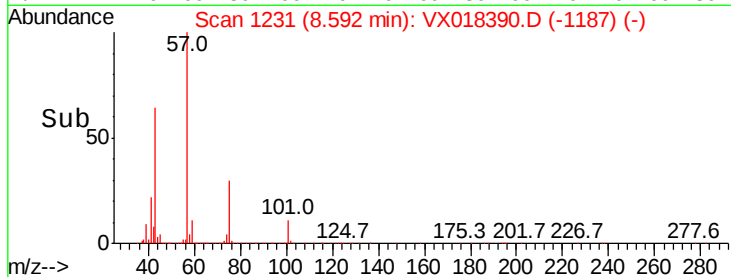
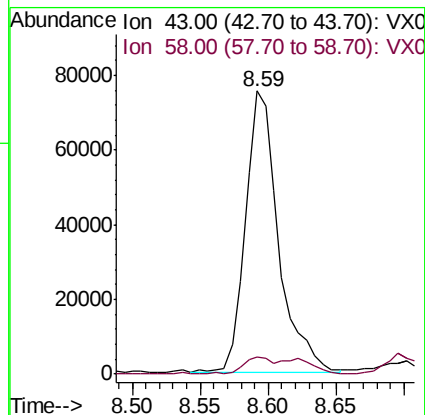
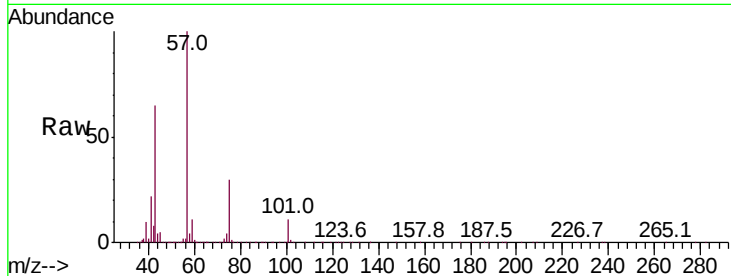
ClientSampleId :

Tot Ion: 43 Resp: 127468

Ion Ratio Lower Upper

43 100

58 5.2 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.968 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

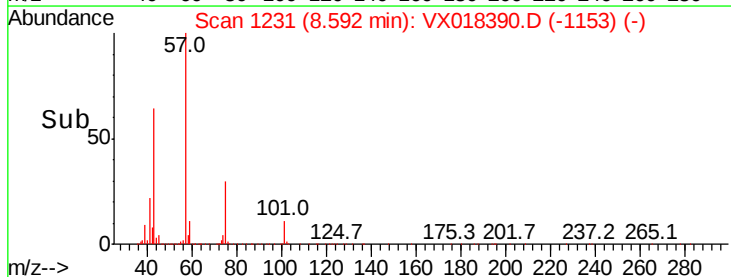
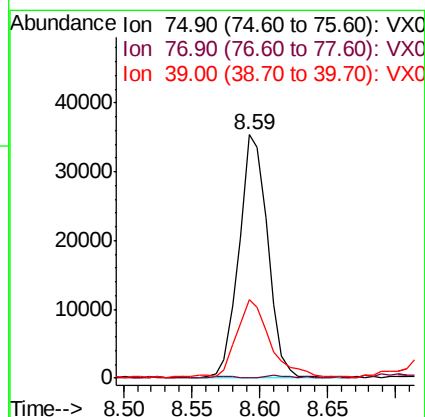
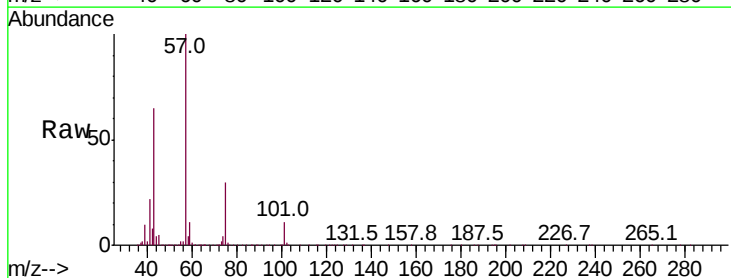
Tgt Ion: 75 Resp: 51739

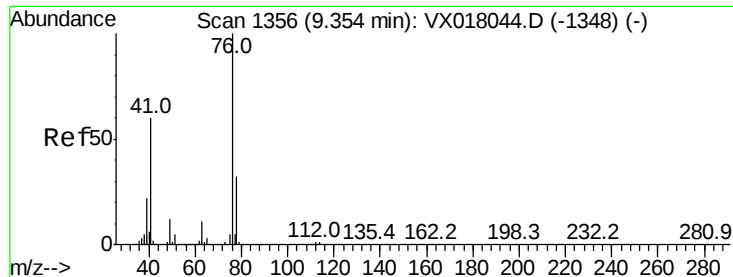
Ion Ratio Lower Upper

75 100

77 0.1 25.8 38.8#

39 31.3 38.8 58.2#





#57

1,3-Dichloropropane

Concen: 1.111 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

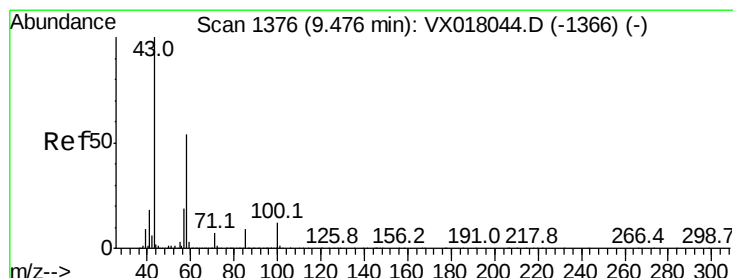
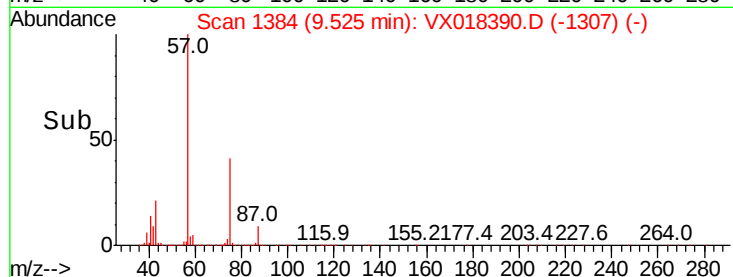
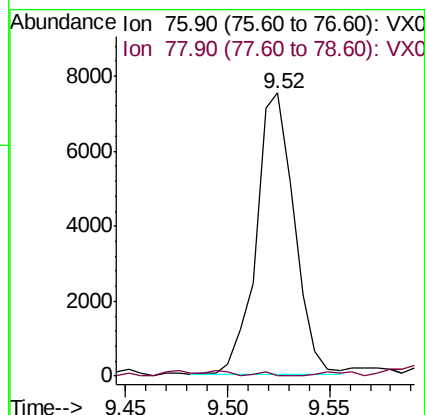
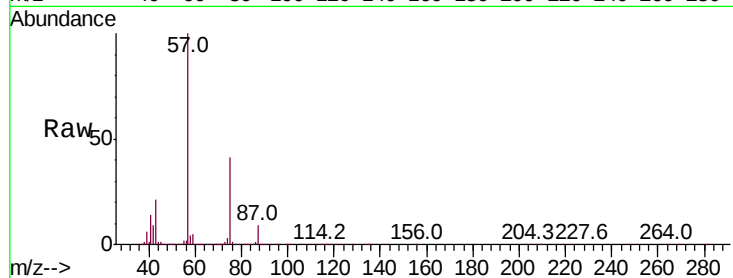
ClientSampleId :

Tot Ion: 76 Resp: 9666

Ion Ratio Lower Upper

76 100

78 0.6 25.8 38.6#



#59

2-Hexanone

Concen: 20.273 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.06 min

Lab File: VX018390.D

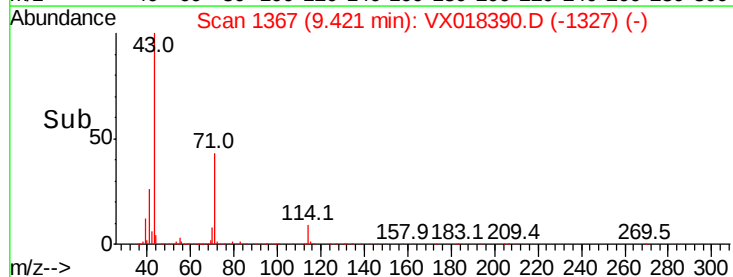
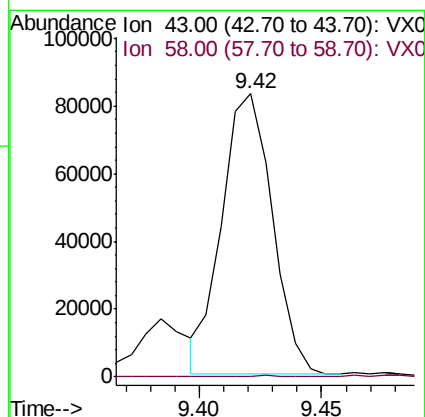
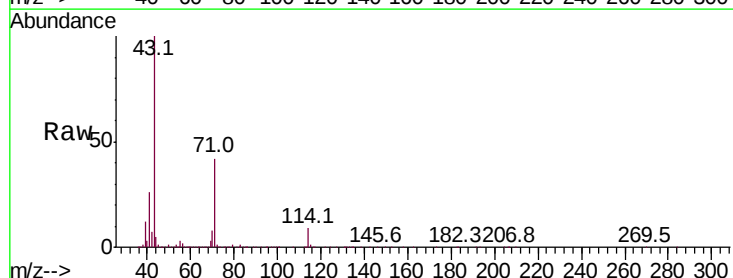
Acq: 14 Sep 2020 17:44

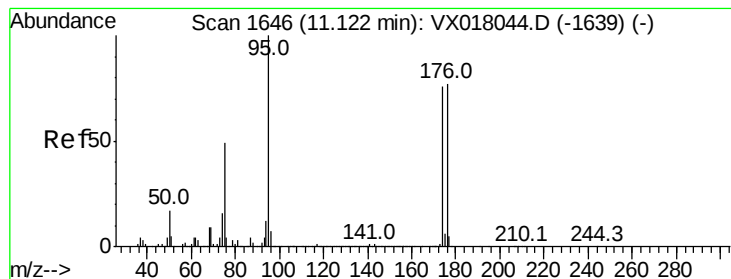
Tgt Ion: 43 Resp: 118620

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 47.651 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

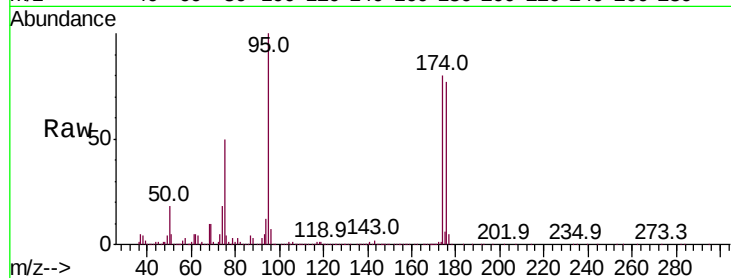
Tot Ion: 95 Resp: 342382

Ion Ratio Lower Upper

95 100

174 82.5 0.0 160.2

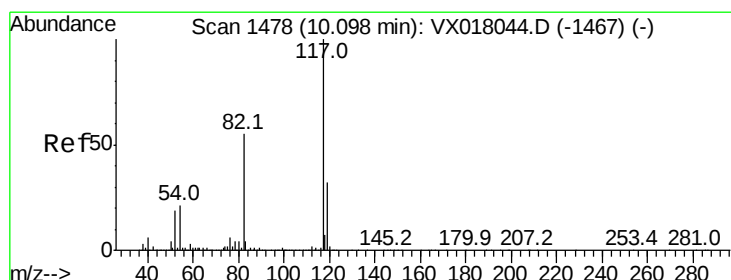
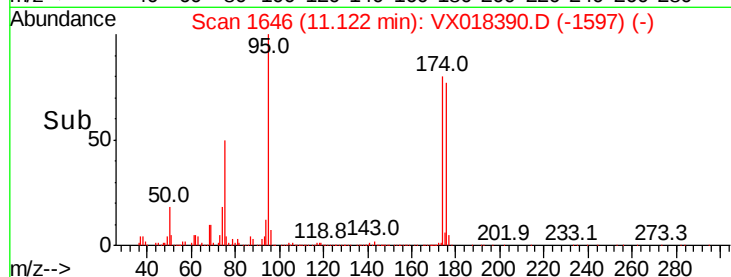
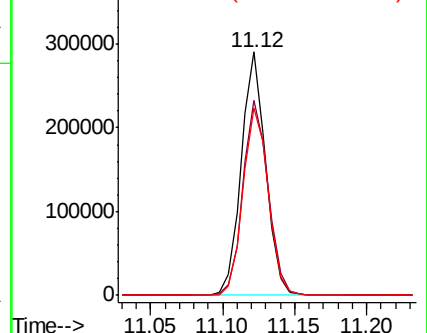
176 79.9 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

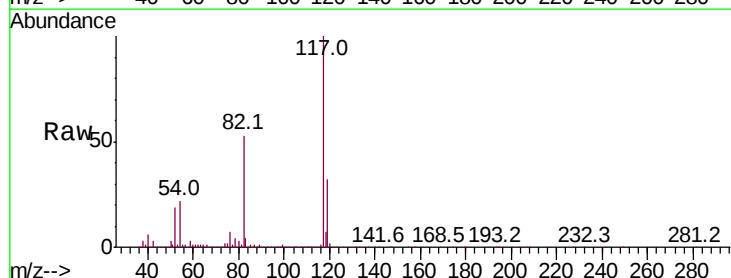
Tgt Ion: 117 Resp: 715241

Ion Ratio Lower Upper

117 100

82 52.8 44.2 66.2

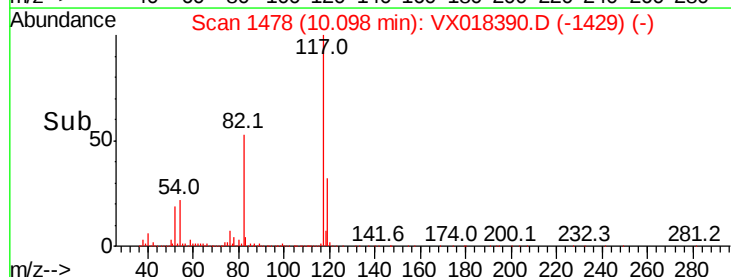
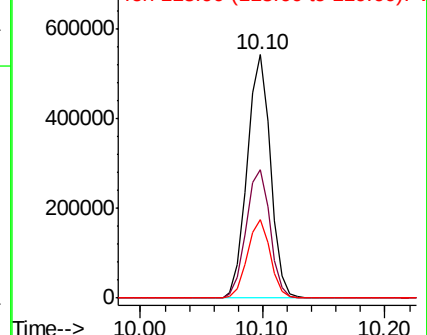
119 32.4 25.7 38.5

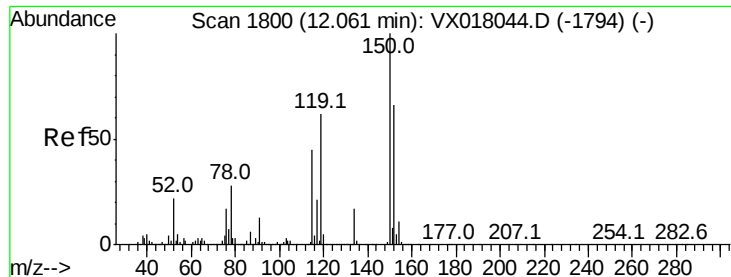


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

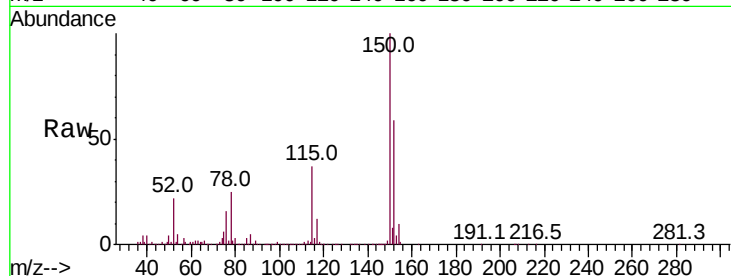
Tot Ion:152 Resp: 346931

Ion Ratio Lower Upper

152 100

115 60.1 41.5 124.5

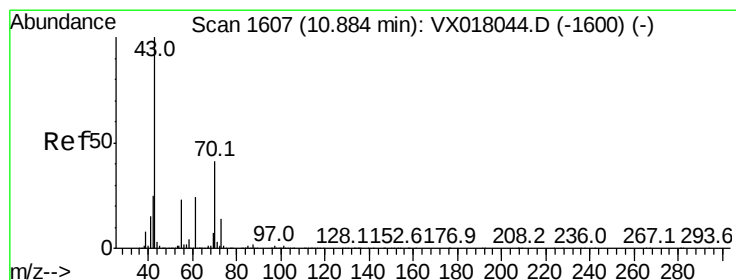
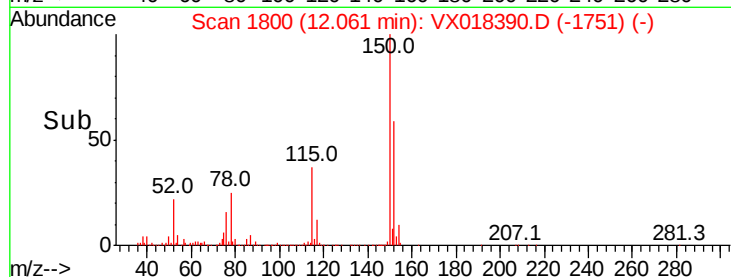
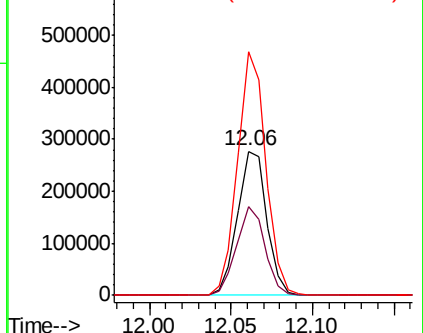
150 163.2 0.0 343.8



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



#74

N-ethyl acetate

Concen: 0.544 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Tgt Ion: 43 Resp: 5909

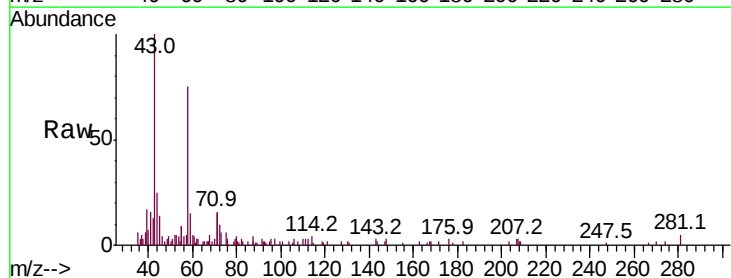
Ion Ratio Lower Upper

43 100

70 3.1 32.3 48.5#

55 11.4 18.2 27.2#

61 0.0 18.9 28.3#

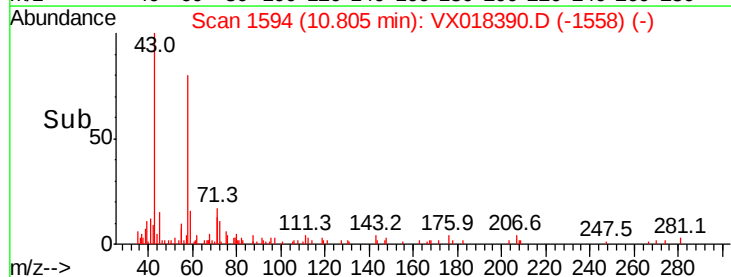
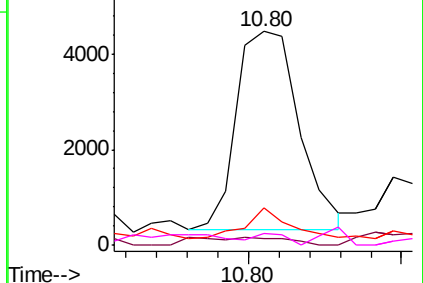


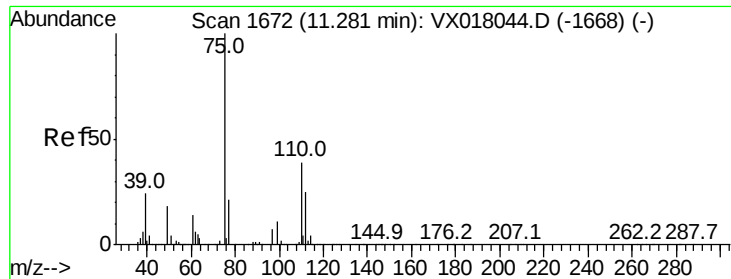
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

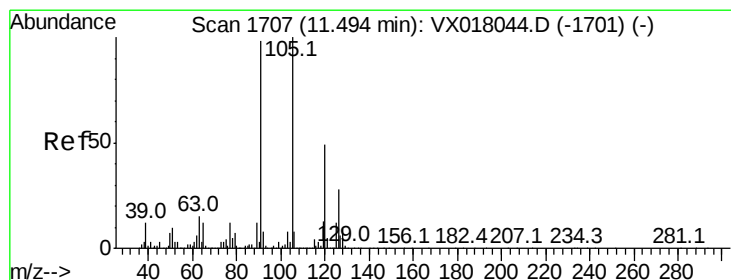
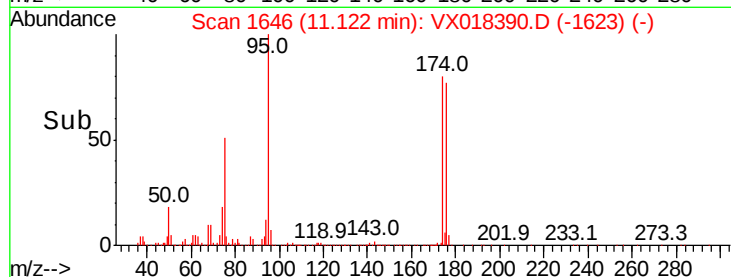
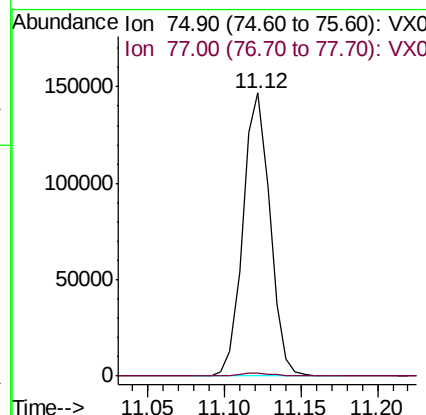
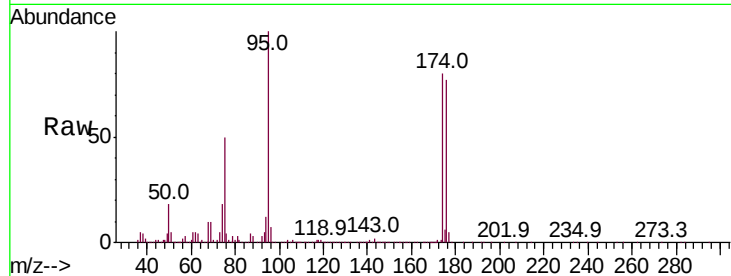




#76
 1,2,3-Trichloropropane
 Concen: 23.265 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018390.D
 Acq: 14 Sep 2020 17:44

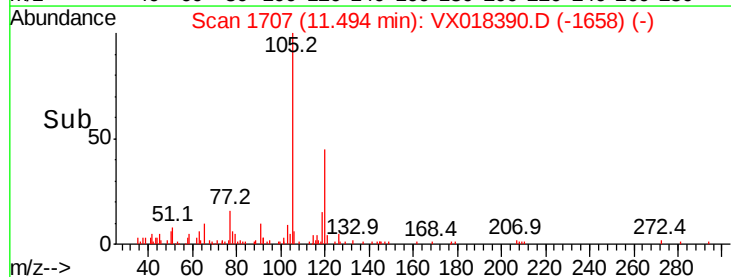
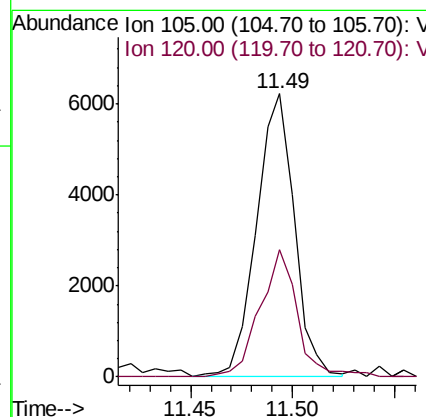
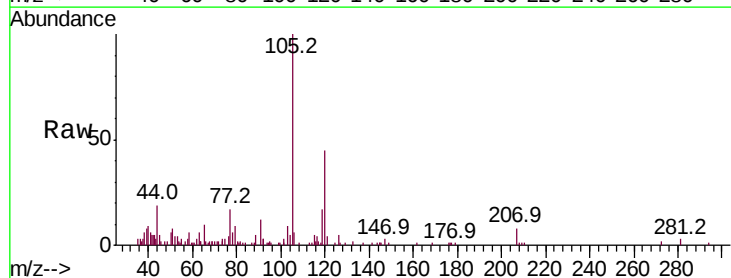
Instrument :
 MSVOA_X
 ClientSampleId :

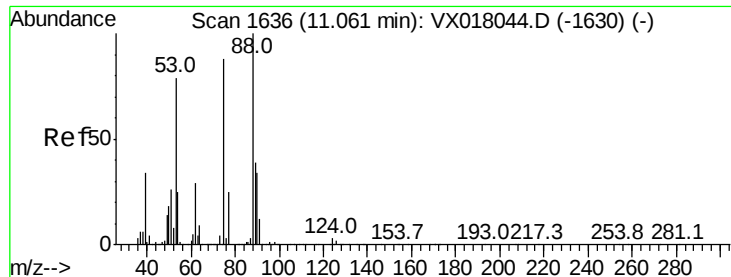
Tot Ion: 75 Resp: 179553
 Ion Ratio Lower Upper
 75 100
 77 1.5 20.8 62.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.428 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX018390.D
 Acq: 14 Sep 2020 17:44

Tgt Ion:105 Resp: 8050
 Ion Ratio Lower Upper
 105 100
 120 44.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 62.836 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018390.D

Acq: 14 Sep 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 179553

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#

