

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018388.D
 Acq On : 14 Sep 2020 16:58
 Operator : JC/SP
 Sample : PB131574ZHE#04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:11:48 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	448575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	699473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	717222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	351984	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	314789	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	5.47	113	246402	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	8.70	98	878466	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.12	95	343634	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	

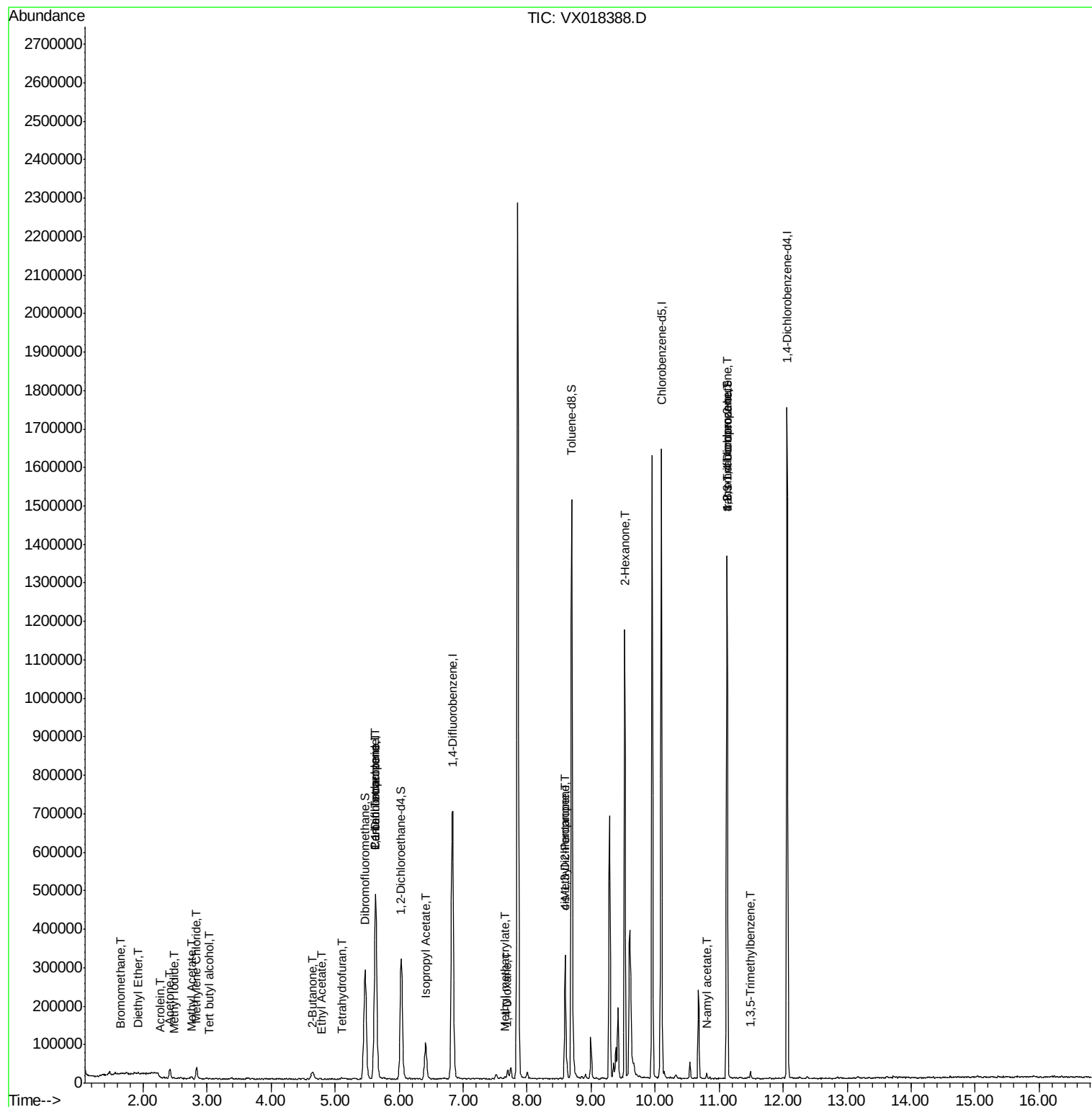
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	914	0.331	ug/l #	4
8) Diethyl Ether	1.92	74	746	0.281	ug/l	59
10) Methyl Iodide	2.49	142	241	5.334	ug/l #	55
11) Tert butyl alcohol	3.04	59	479	0.396	ug/l #	60
13) Acrolein	2.27	56	802	1.597	ug/l #	34
16) Acetone	2.42	43	27696	11.414	ug/l	92
18) Methyl Acetate	2.75	43	6989	1.194	ug/l #	73
20) Methylene Chloride	2.83	84	14328	1.761	ug/l	90
25) 2-Butanone	4.65	43	8124	2.037	ug/l	91
29) Tetrahydrofuran	5.11	42	4628	1.823	ug/l #	71
36) 1,1-Dichloropropene	5.63	75	33516	5.195	ug/l #	54
37) Ethyl Acetate	4.78	43	1655	0.221	ug/l #	67
38) Carbon Tetrachloride	5.63	117	45961	6.321	ug/l #	18
43) Isopropyl Acetate	6.42	43	123461	10.201	ug/l	98
48) Methyl methacrylate	7.65	41	7057	1.171	ug/l #	15
49) 1,4-Dioxane	7.68	88	70	0.641	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	125837	16.832	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	50076	5.945	ug/l #	64
59) 2-Hexanone	9.52	43	133142	23.421	ug/l #	52
74) N-amyl acetate	10.80	43	6208	0.564	ug/l #	59
76) 1,2,3-Trichloropropane	11.12	75	178462	22.792	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	7850	0.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.12	75	178462	61.557	ug/l #	12

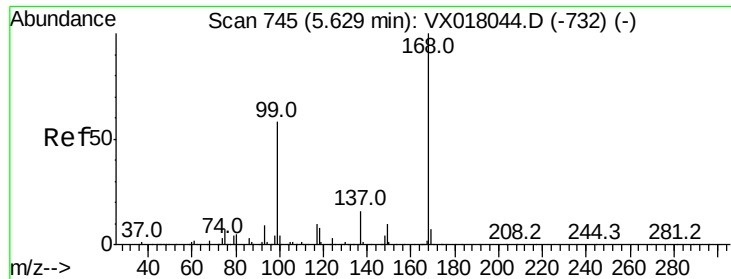
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091420\
Data File : VX018388.D
Acq On : 14 Sep 2020 16:58
Operator : JC/SP
Sample : PB131574ZHE#04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 15 05:11:48 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: VX018388.D

Acq: 14 Sep 2020 16:58

Instrument :

MSVOA_X

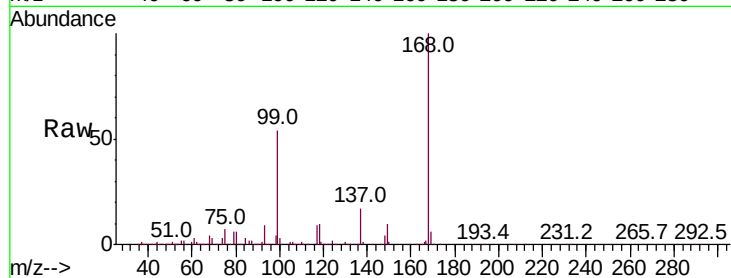
ClientSampleId :

Tot Ion:168 Resp: 448575

Ion Ratio Lower Upper

168 100

99 54.4 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

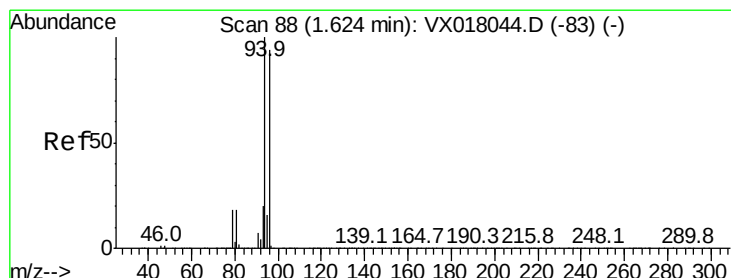
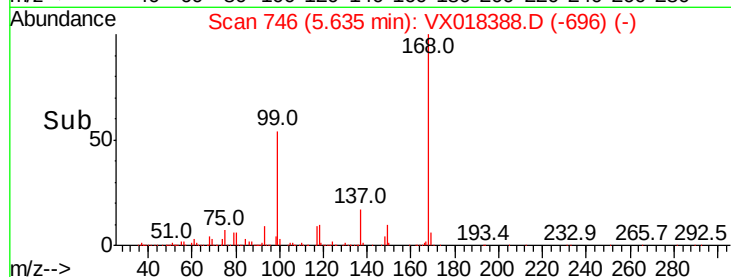
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.331 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018388.D

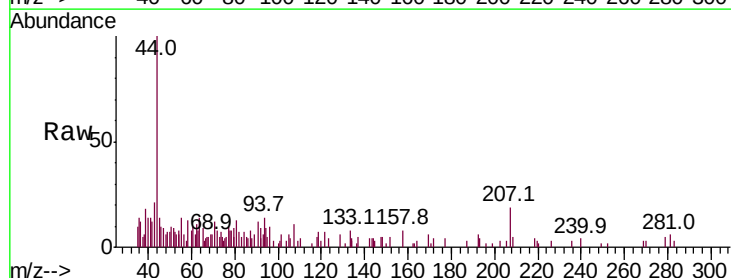
Acq: 14 Sep 2020 16:58

Tgt Ion: 94 Resp: 914

Ion Ratio Lower Upper

94 100

96 1.2 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

600

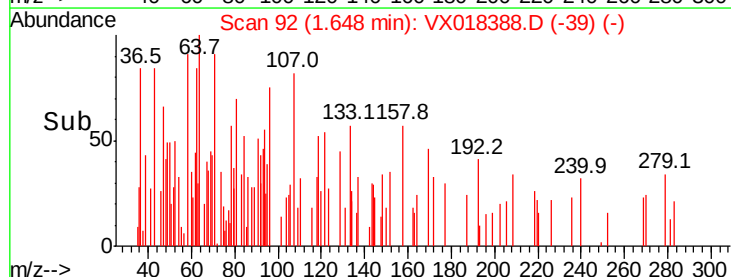
400

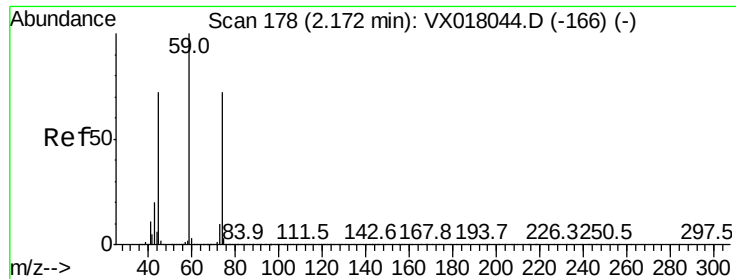
200

0

Time-->

1.62 1.64 1.66 1.68





#8

Diethyl Ether

Concen: 0.281 ug/l

RT: 1.92 min Scan# 137

Delta R.T. -0.25 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

Instrument :

MSVOA_X

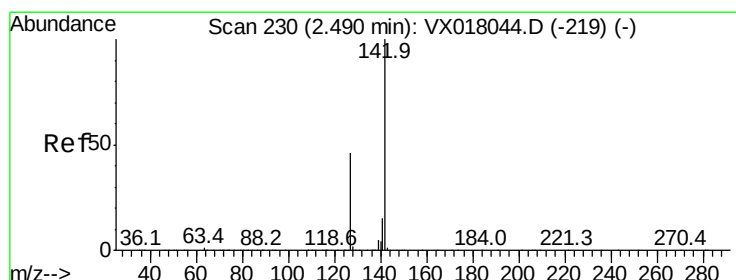
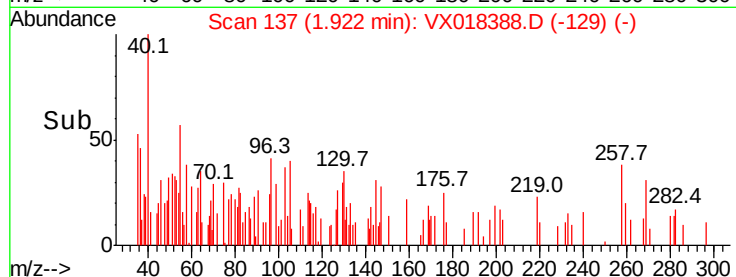
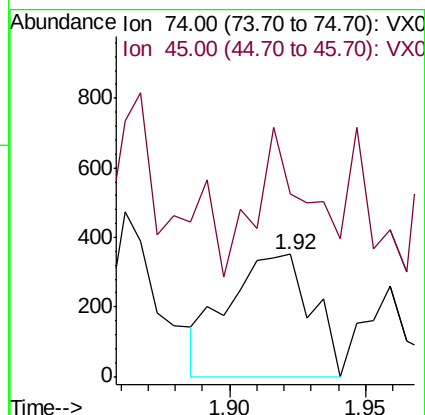
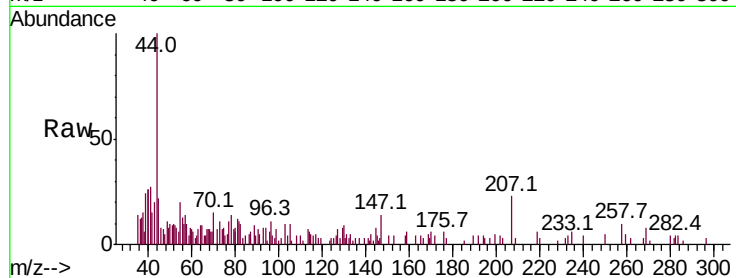
ClientSampleId :

Tot Ion: 74 Resp: 746

Ion Ratio Lower Upper

74 100

45 60.3 50.7 152.3



#10

Methyl Iodide

Concen: 5.334 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

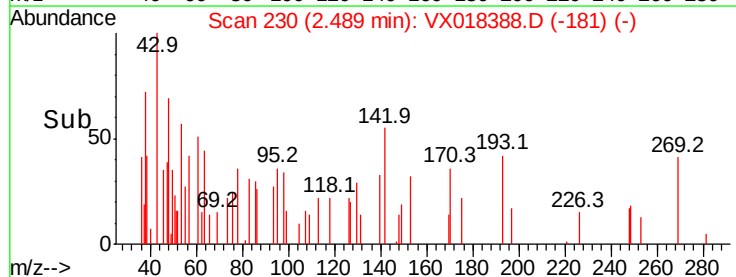
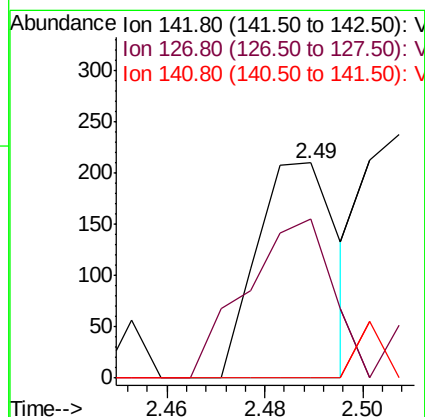
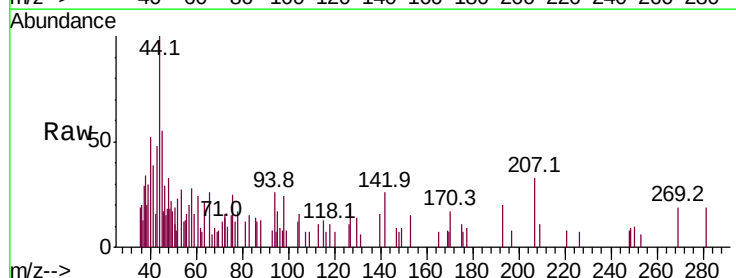
Tgt Ion: 142 Resp: 241

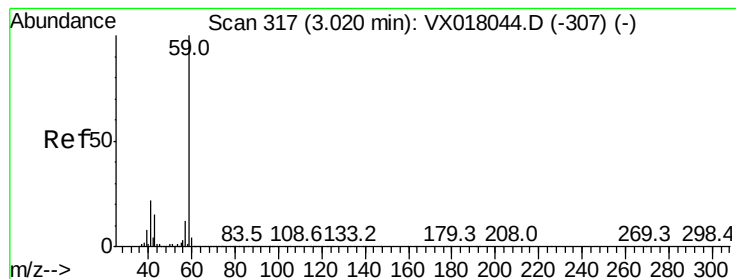
Ion Ratio Lower Upper

142 100

127 78.4 37.0 55.6#

141 0.0 11.5 17.3#



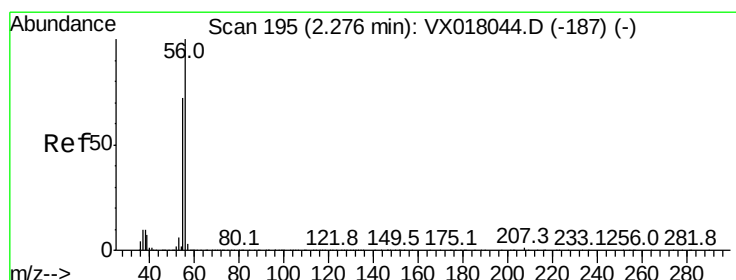
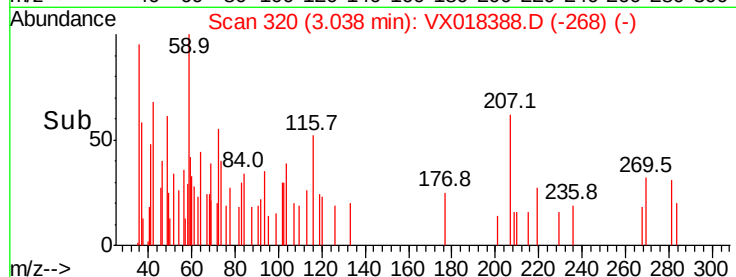
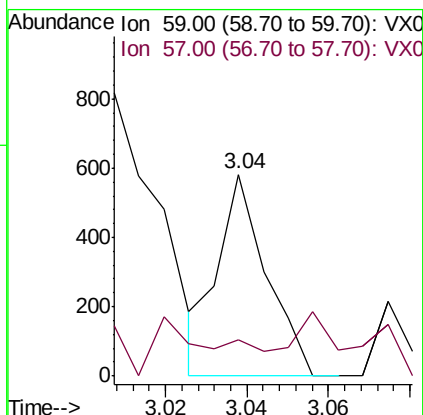
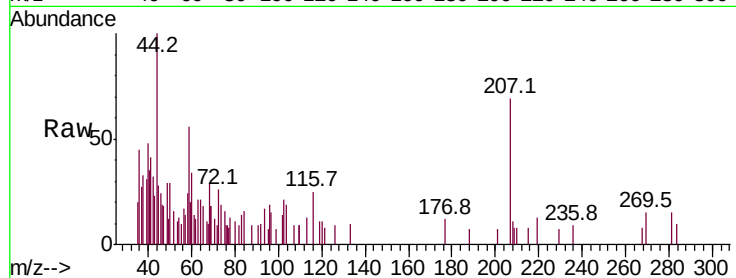


#11

Tert butyl alcohol
Concen: 0.396 ug/l
RT: 3.04 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX018388.D
Acq: 14 Sep 2020 16:58

Instrument :
MSVOA_X
ClientSampled :

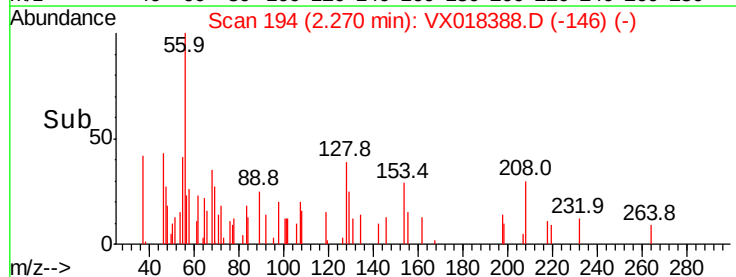
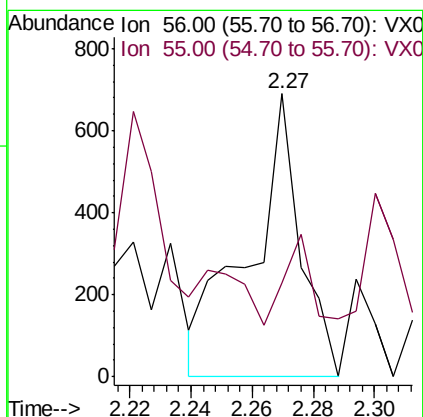
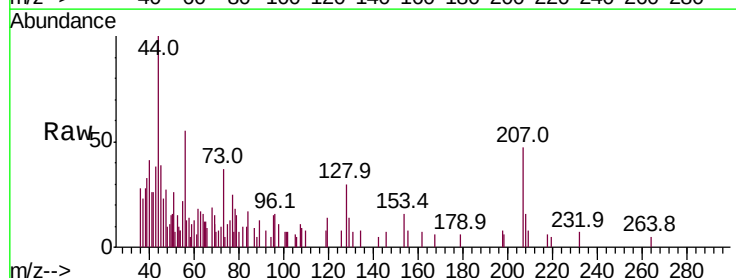
Tot Ion: 59 Resp: 479
Ion Ratio Lower Upper
59 100
57 26.3 8.9 13.3#

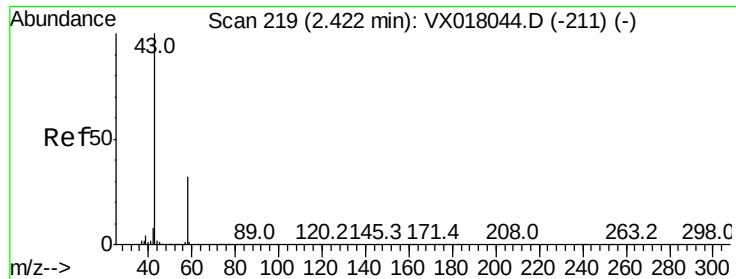


#13

Acrolein
Concen: 1.597 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018388.D
Acq: 14 Sep 2020 16:58

Tgt Ion: 56 Resp: 802
Ion Ratio Lower Upper
56 100
55 16.5 57.0 85.6#





#16

Acetone

Concen: 11.414 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

Instrument :

MSVOA_X

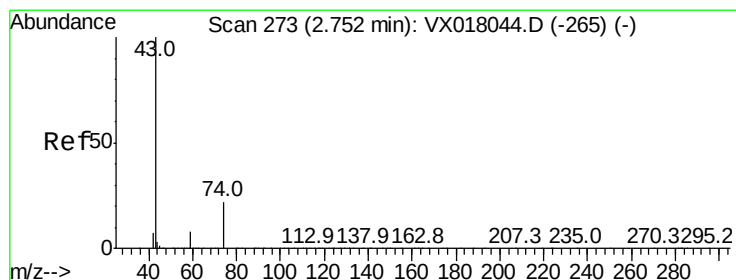
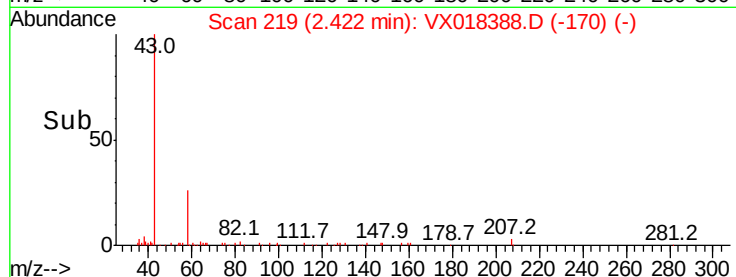
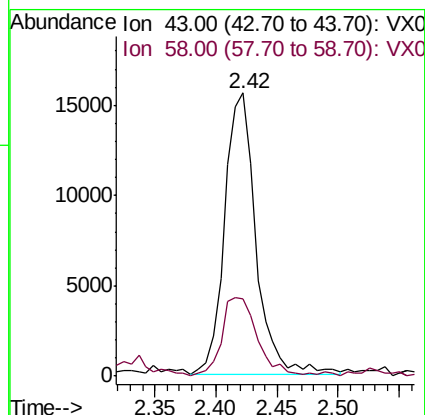
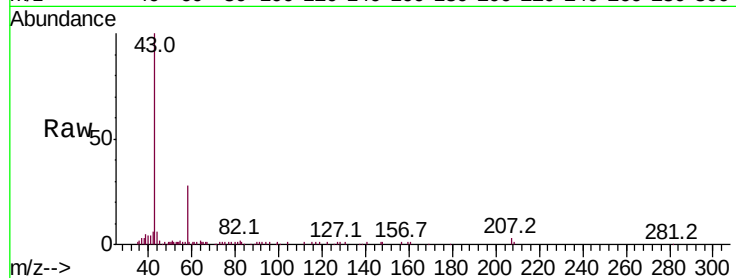
ClientSampleId :

Tot Ion: 43 Resp: 27696

Ion Ratio Lower Upper

43 100

58 27.7 25.5 38.3



#18

Methyl Acetate

Concen: 1.194 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018388.D

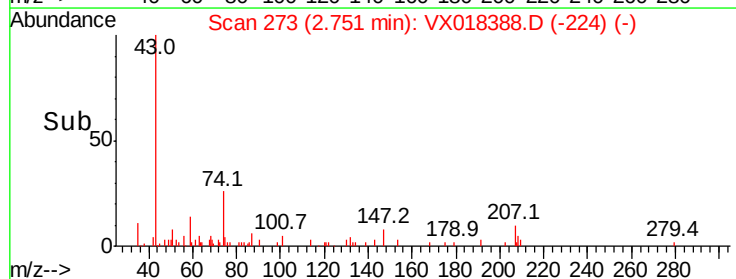
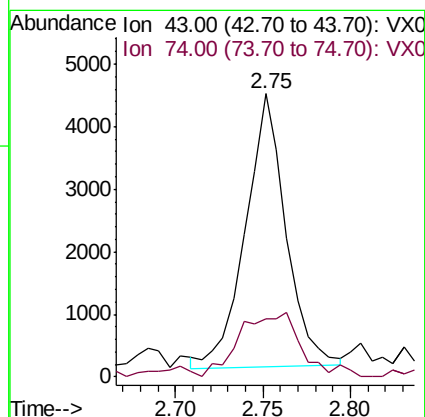
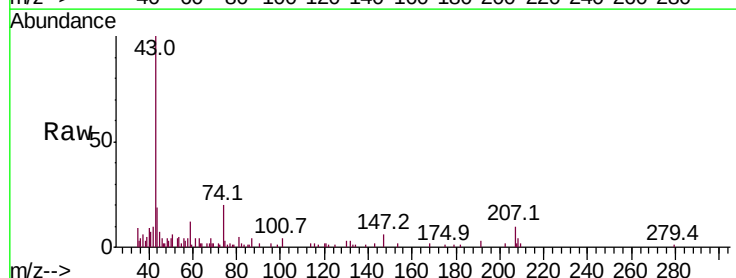
Acq: 14 Sep 2020 16:58

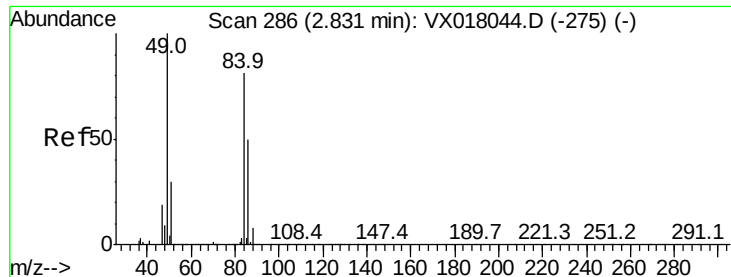
Tgt Ion: 43 Resp: 6989

Ion Ratio Lower Upper

43 100

74 36.1 18.2 27.4#

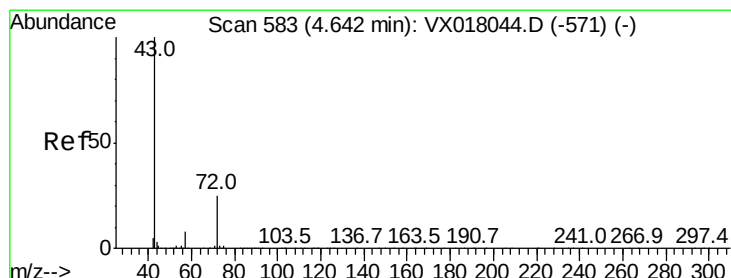
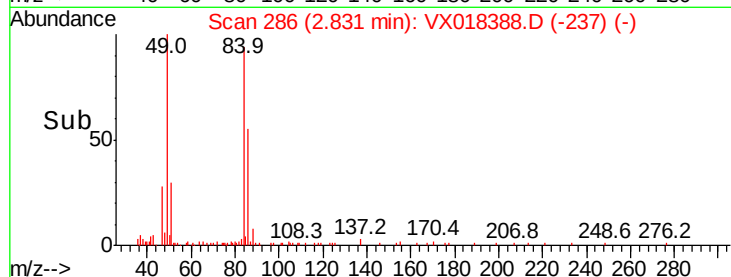
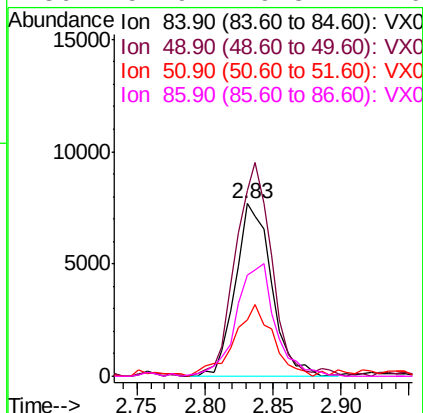
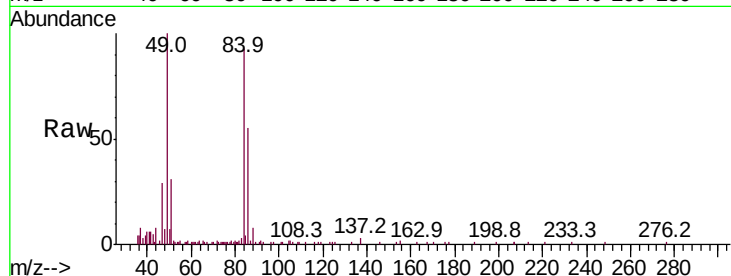




#20
Methvlene Chloride
Concen: 1.761 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018388.D
Acq: 14 Sep 2020 16:58

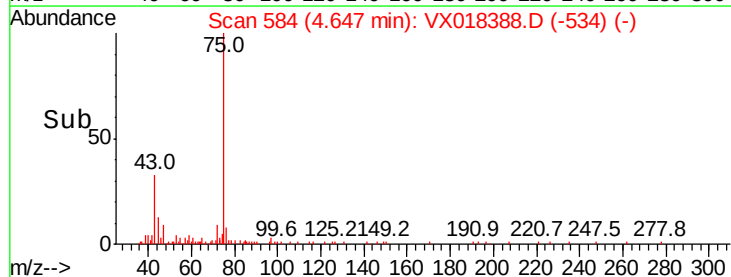
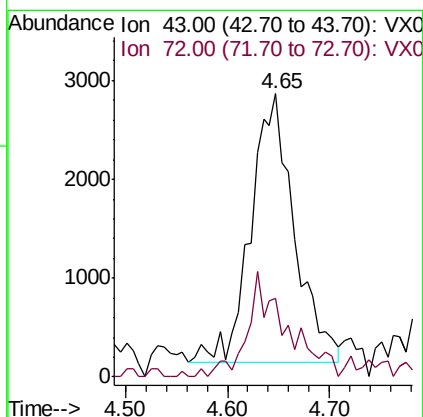
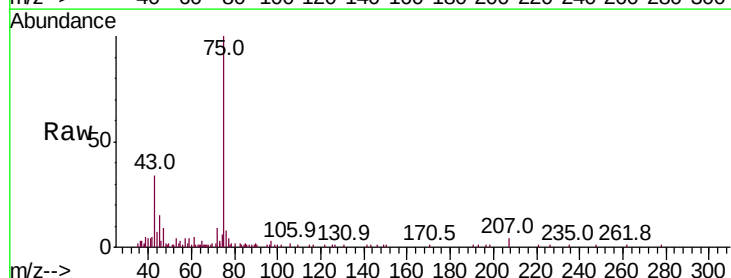
Instrument :
MSVOA_X
ClientSampled :

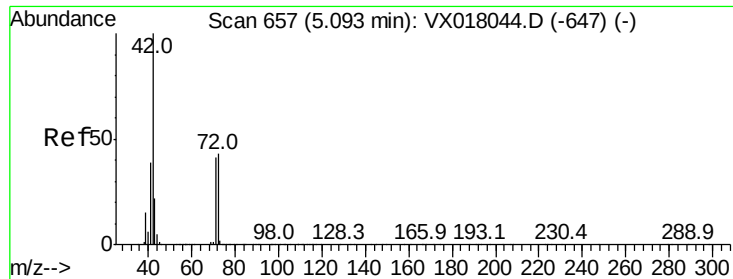
Tot Ion:	84	Resp:	14328
Ion	Ratio	Lower	Upper
84	100		
49	107.5	98.6	148.0
51	32.9	29.6	44.4
86	57.9	49.8	74.6



#25
2-Butanone
Concen: 2.037 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018388.D
Acq: 14 Sep 2020 16:58

Tgt Ion:	43	Resp:	8124
Ion	Ratio	Lower	Upper
43	100		
72	29.0	19.8	29.6





#29

Tetrahydrofuran

Concen: 1.823 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

Instrument :

MSVOA_X

ClientSampleId :

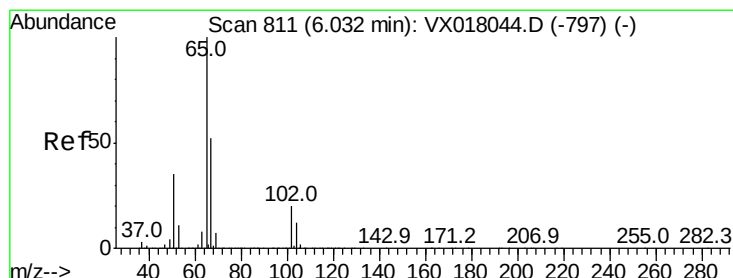
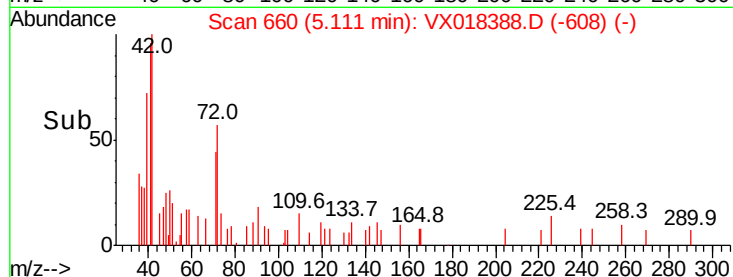
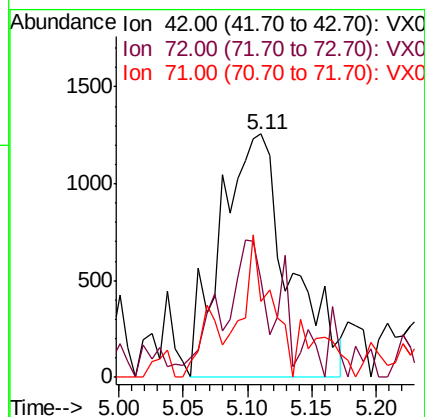
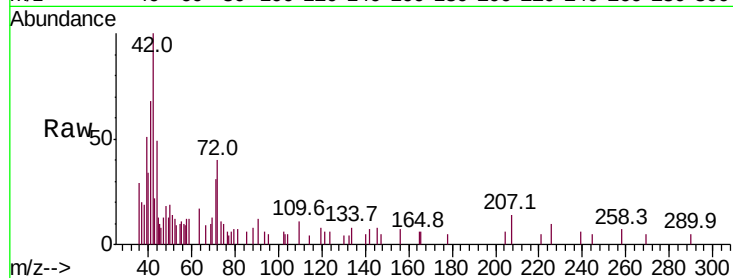
Tot Ion: 42 Resp: 4628

Ion Ratio Lower Upper

42 100

72 23.4 34.2 51.4#

71 23.6 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 50.549 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018388.D

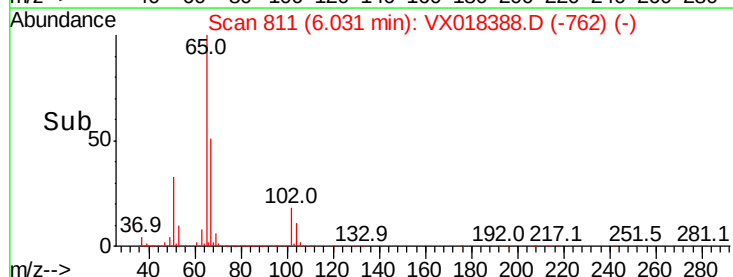
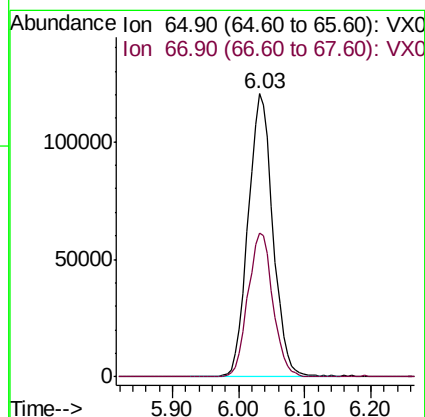
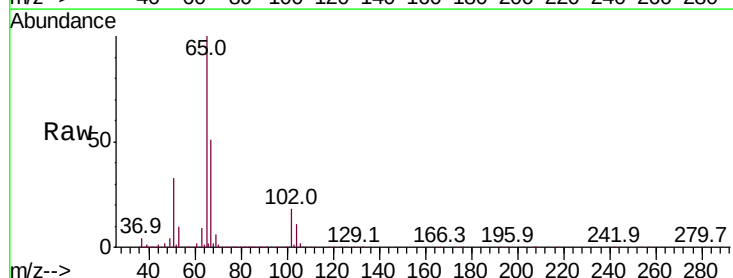
Acq: 14 Sep 2020 16:58

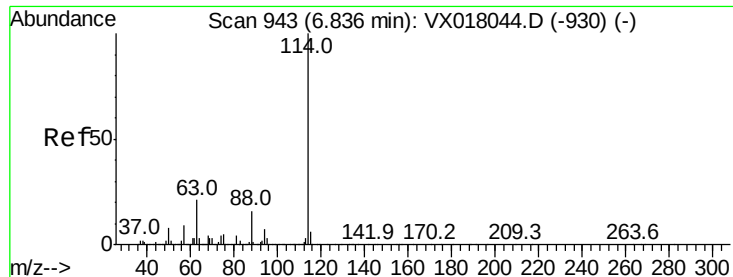
Tgt Ion: 65 Resp: 314789

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.8

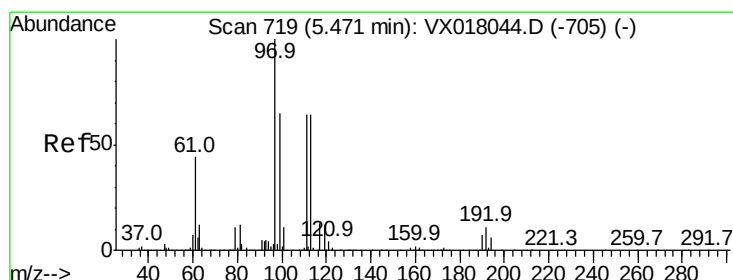
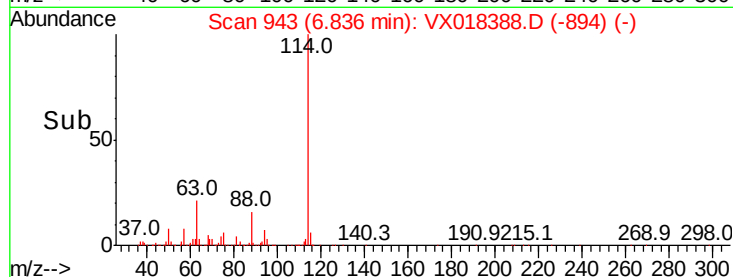
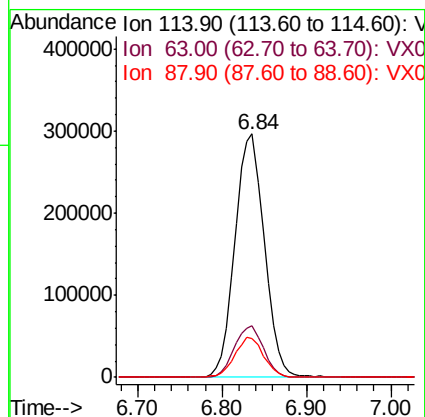
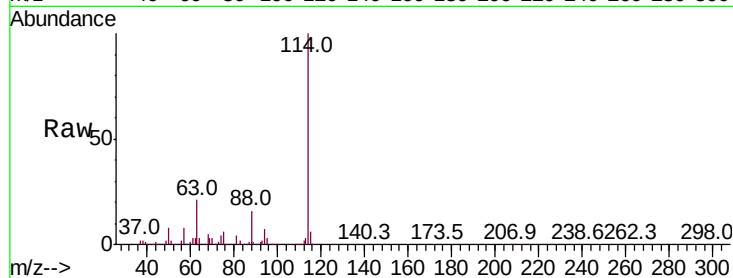




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018388.D
 Acq: 14 Sep 2020 16:58

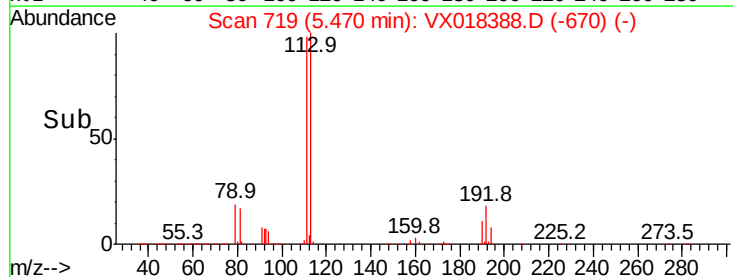
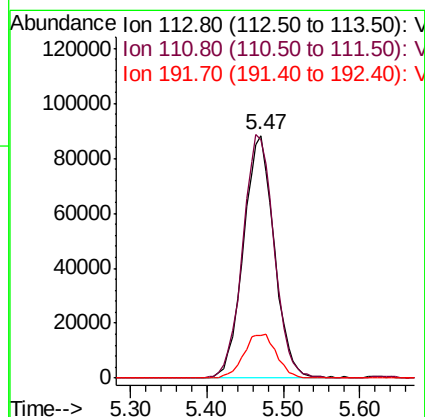
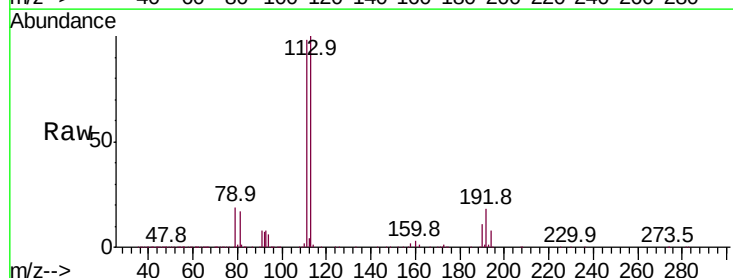
Instrument :
 MSVOA_X
 ClientSampleId :

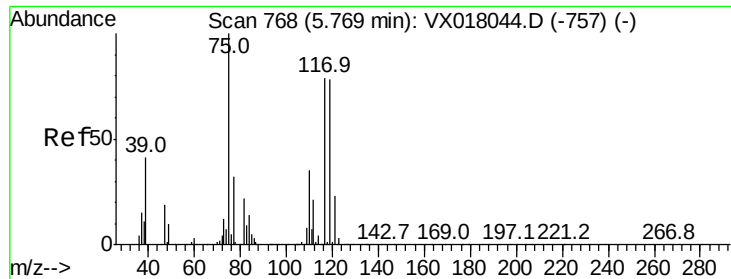
Tot Ion:114 Resp: 699473
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.6
 88 15.9 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 51.724 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018388.D
 Acq: 14 Sep 2020 16:58

Tgt Ion:113 Resp: 246402
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.6 122.4
 192 19.3 15.8 23.8





#36

1,1-Dichloropropene

Concen: 5.195 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

Instrument :

MSVOA_X

ClientSampleId :

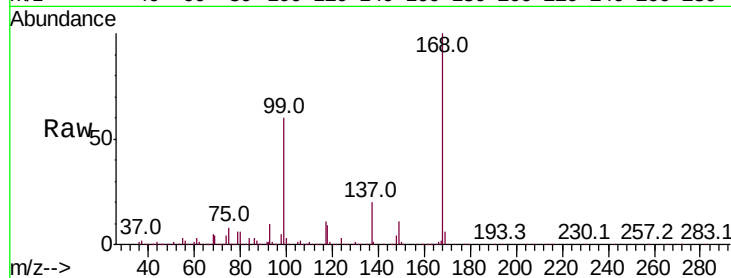
Tot Ion: 75 Resp: 33516

Ion Ratio Lower Upper

75 100

110 12.5 18.0 54.0#

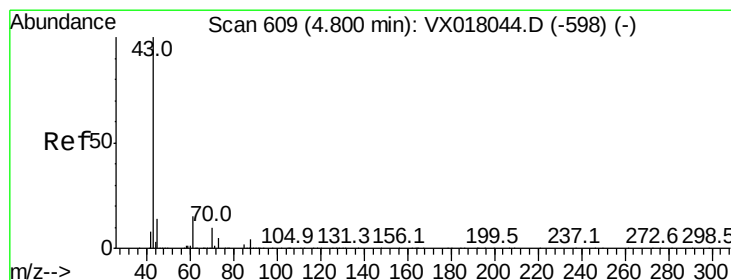
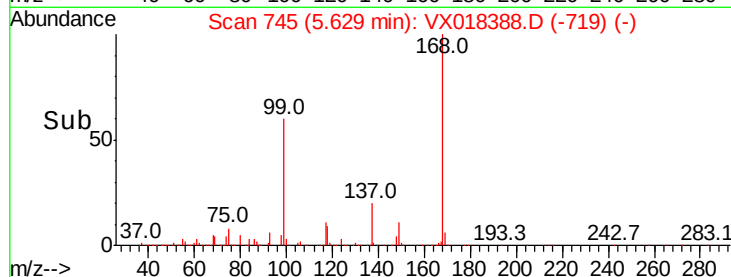
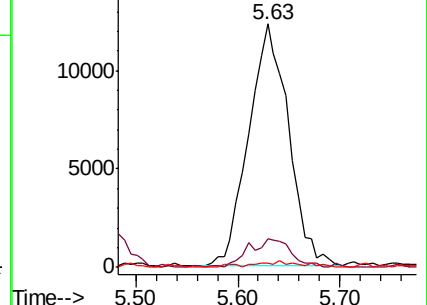
77 1.9 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.221 ug/l

RT: 4.78 min Scan# 606

Delta R.T. -0.02 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

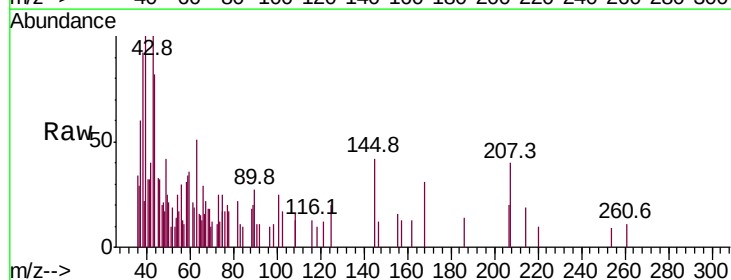
Tgt Ion: 43 Resp: 1655

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

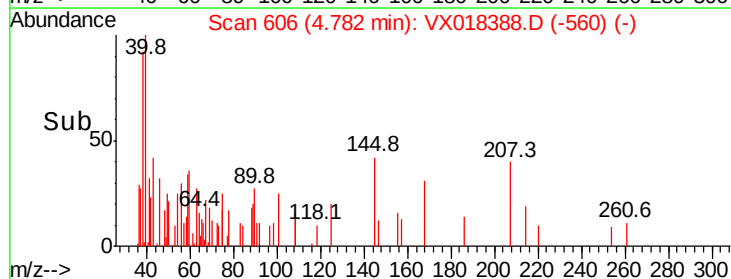
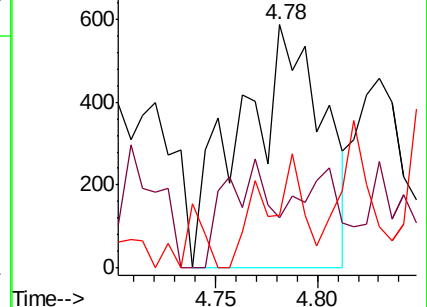
70 22.1 8.2 12.4#

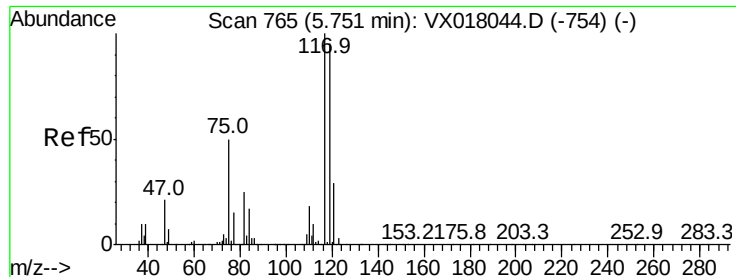


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.321 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

Instrument :

MSVOA_X

ClientSampleId :

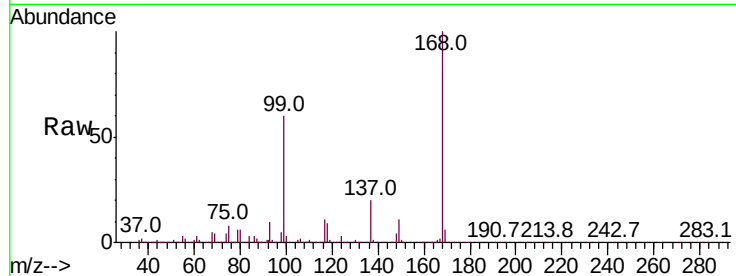
Tot Ion:117 Resp: 45961

Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.6#

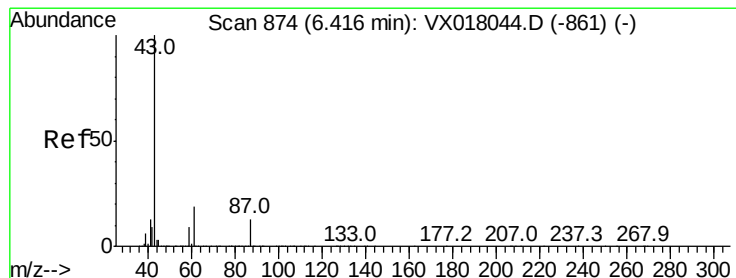
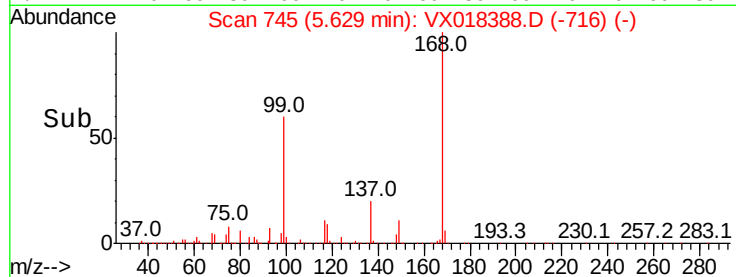
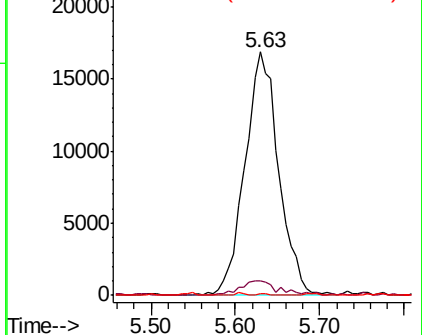
121 0.9 23.4 35.0#



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: 10.201 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

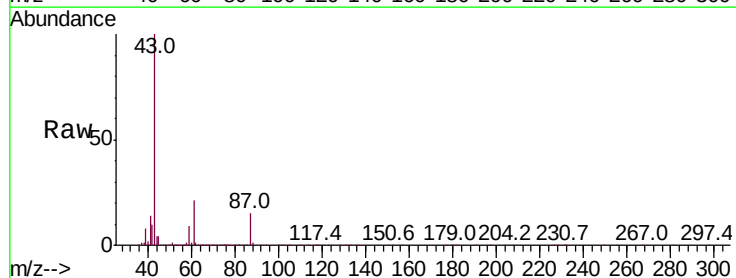
Tgt Ion: 43 Resp: 123461

Ion Ratio Lower Upper

43 100

61 19.9 15.7 23.5

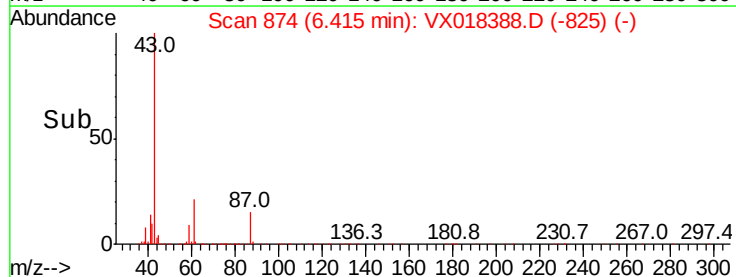
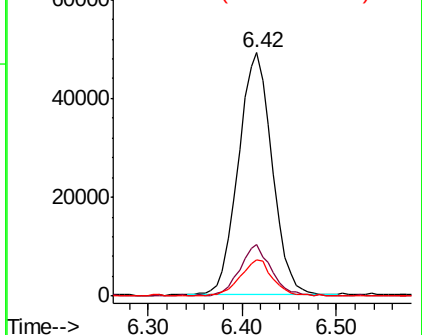
87 14.5 10.3 15.5

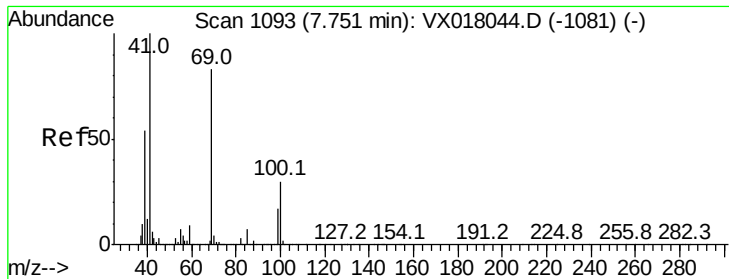


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

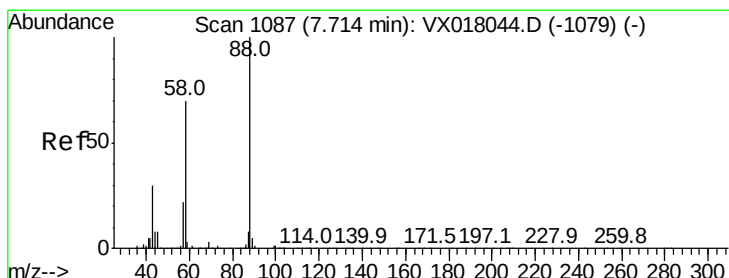
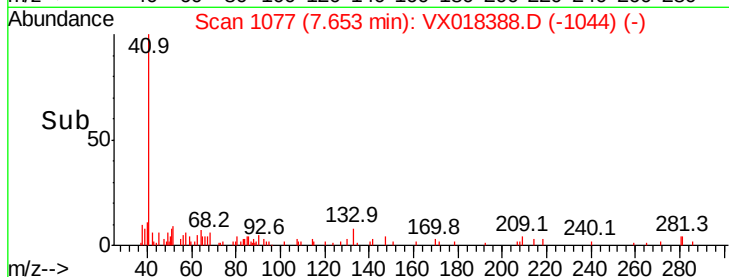
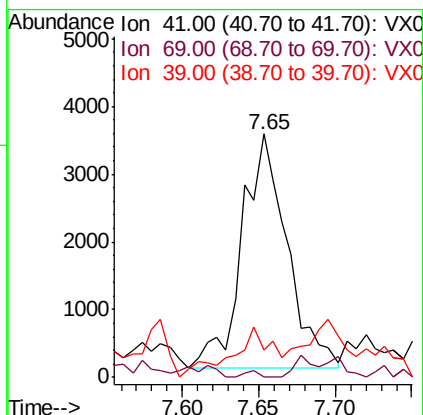
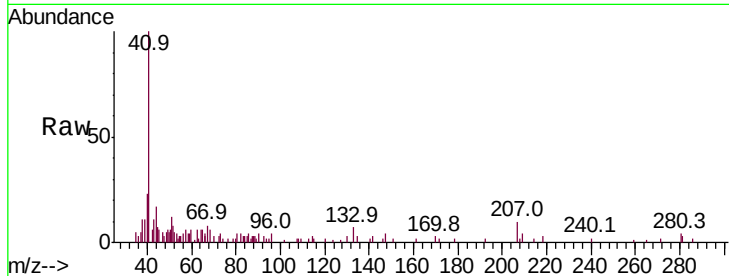




#48
Methvl methacrylate
Concen: 1.171 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018388.D
Acq: 14 Sep 2020 16:58

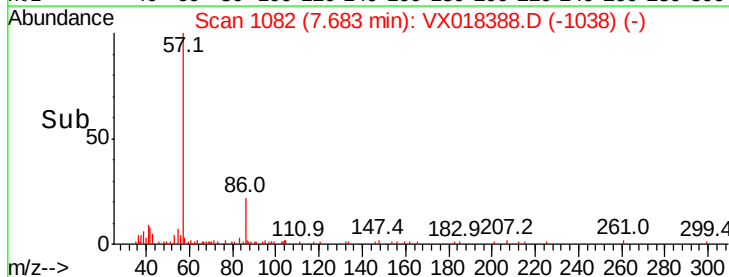
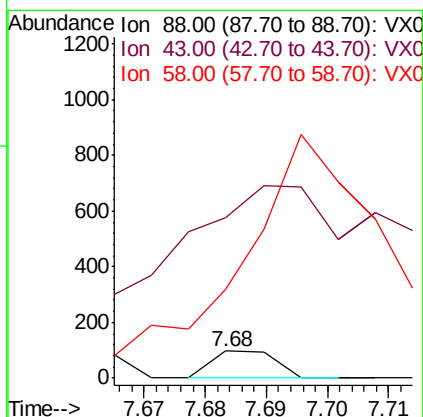
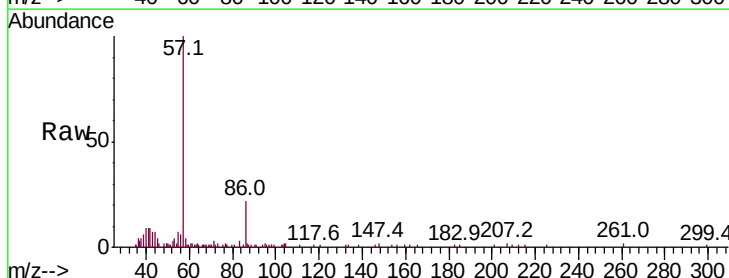
Instrument :
MSVOA_X
ClientSampleId :

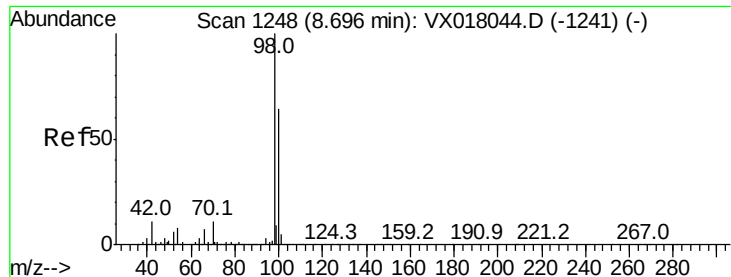
Tot Ion: 41 Resp: 7057
Ion Ratio Lower Upper
41 100
69 0.9 65.5 98.3#
39 0.0 44.5 66.7#



#49
1,4-Dioxane
Concen: 0.641 ug/l
RT: 7.68 min Scan# 1082
Delta R.T. -0.03 min
Lab File: VX018388.D
Acq: 14 Sep 2020 16:58

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 1945.7 56.4 84.6#

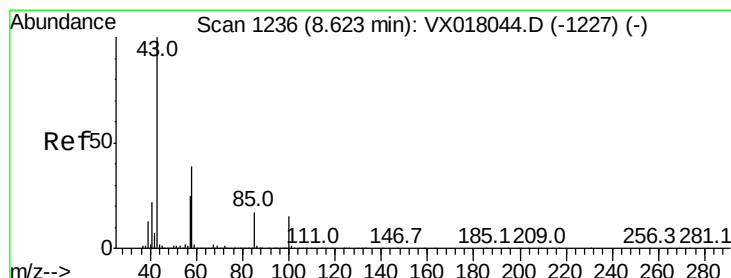
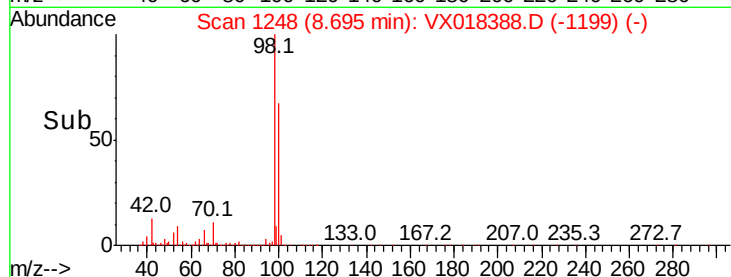
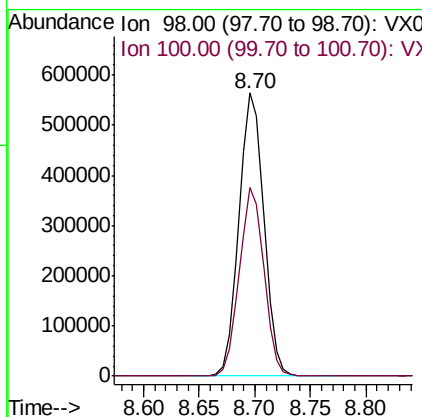
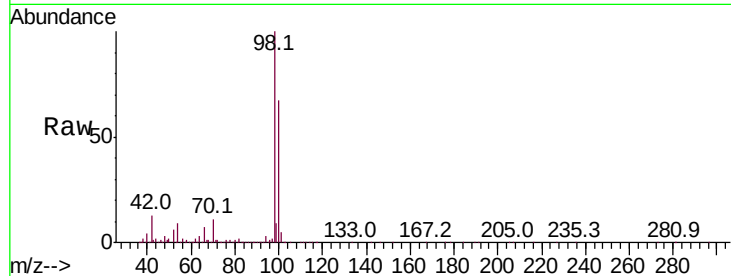




#50
Toluene-d8
Concen: 49.511 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018388.D
Acq: 14 Sep 2020 16:58

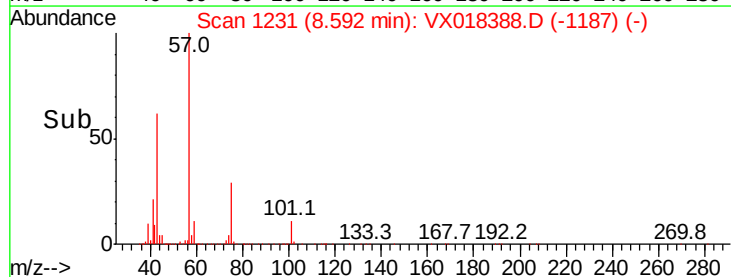
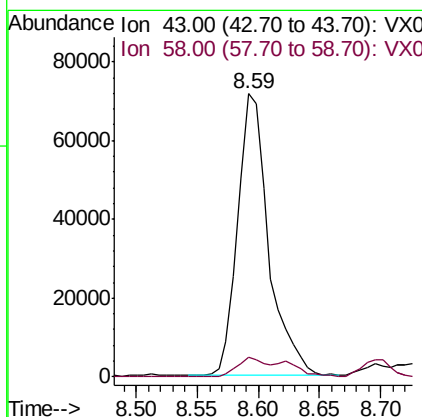
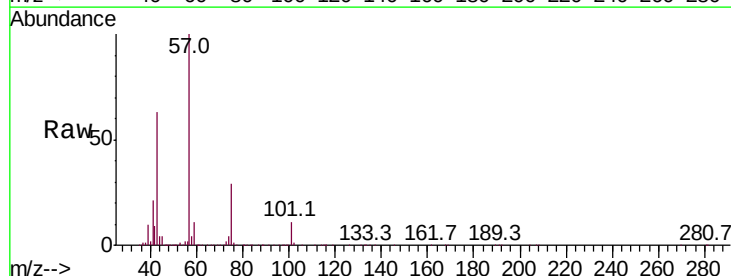
Instrument :
MSVOA_X
ClientSampleId :

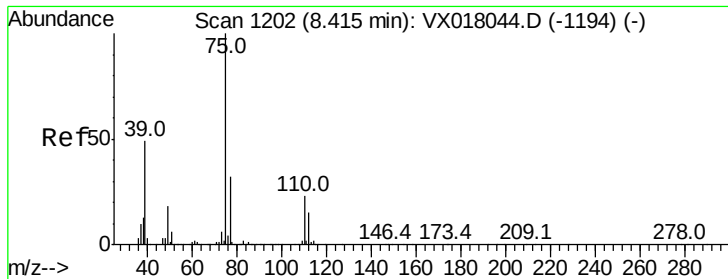
Tot Ion: 98 Resp: 878466
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 16.832 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX018388.D
Acq: 14 Sep 2020 16:58

Tgt Ion: 43 Resp: 125837
Ion Ratio Lower Upper
43 100
58 6.5 30.7 46.1#



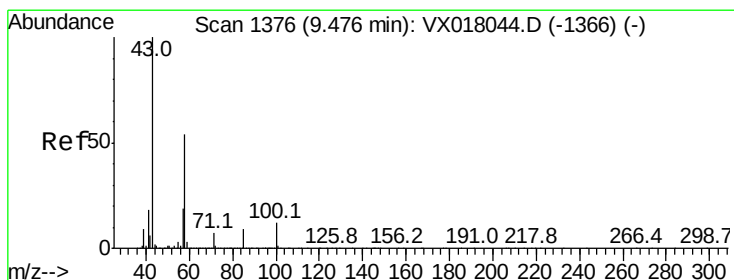
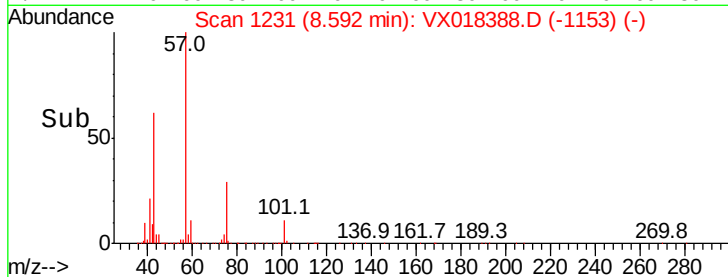
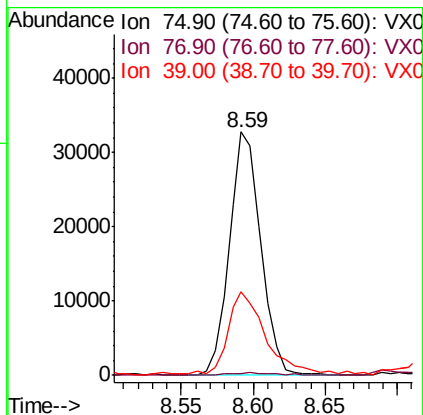
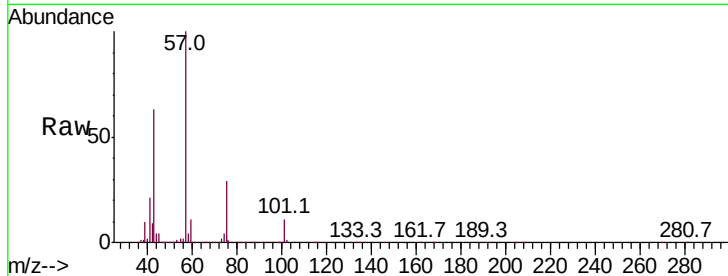


#54

cis-1,3-Dichloropropene
 Concen: 5.945 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX018388.D
 Acq: 14 Sep 2020 16:58

Instrument :
 MSVOA_X
 ClientSampleId :

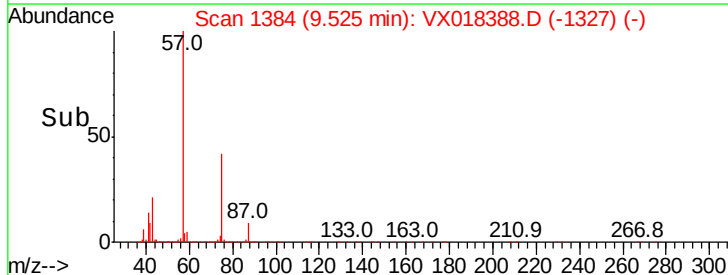
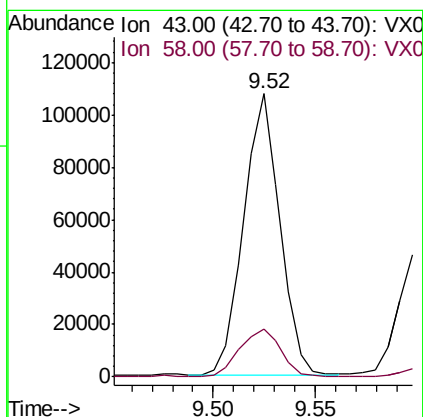
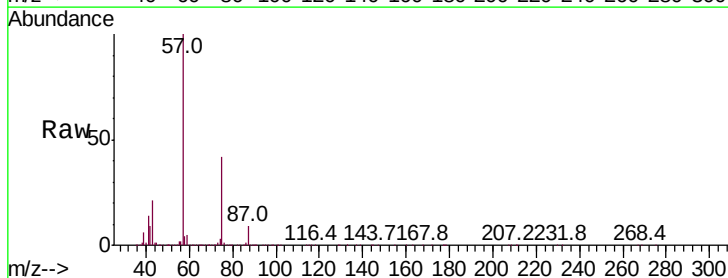
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.5	25.8	38.8#
39	33.8	38.8	58.2#

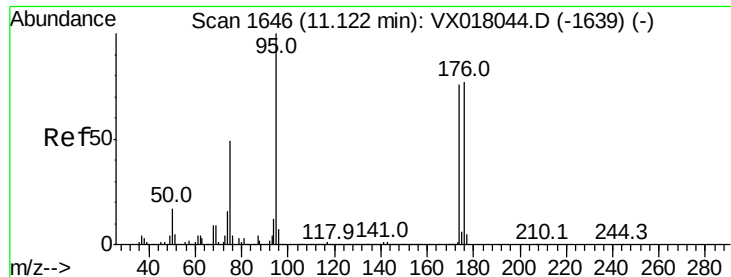


#59

2-Hexanone
 Concen: 23.421 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX018388.D
 Acq: 14 Sep 2020 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	19.0	26.6	79.7#

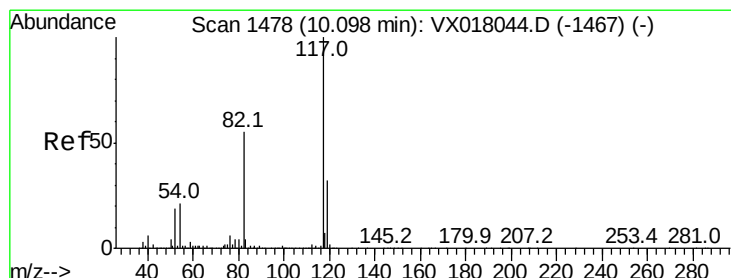
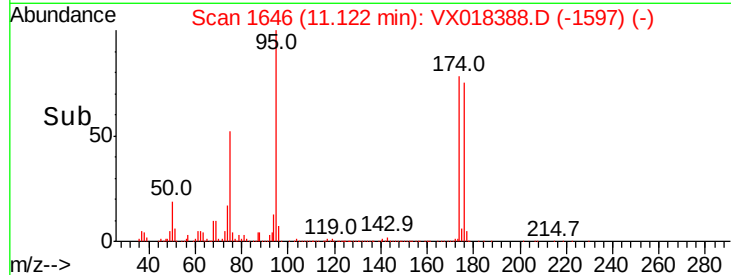
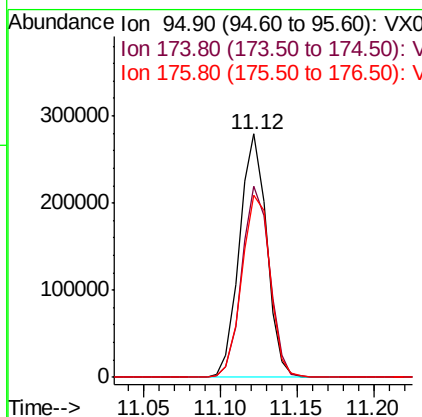
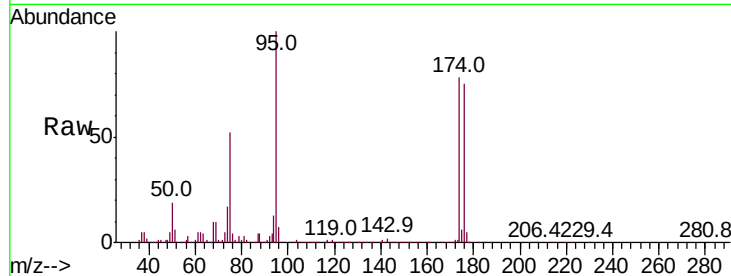




#62
 4-Bromofluorobenzene
 Concen: 49.226 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX018388.D
 Acq: 14 Sep 2020 16:58

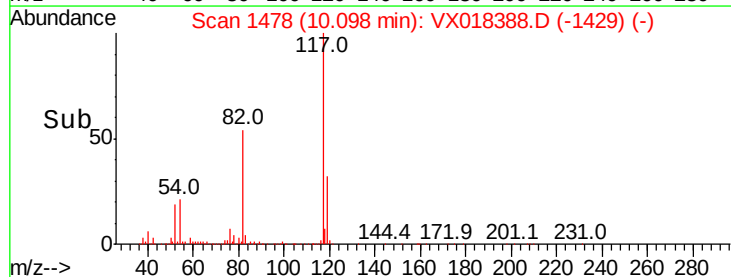
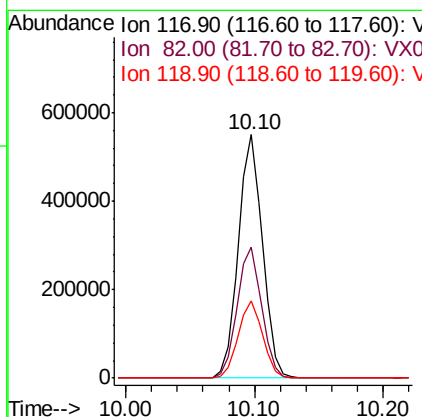
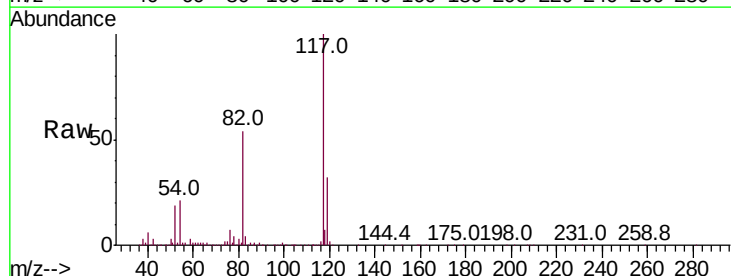
Instrument :
 MSVOA_X
 ClientSampleId :

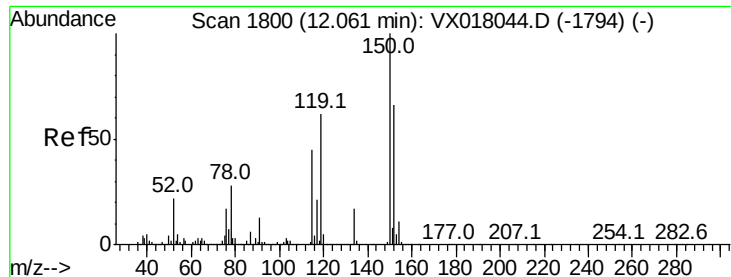
Tot Ion:	95	Resp:	343634
Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	160.2
176	78.4	0.0	155.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: VX018388.D
 Acq: 14 Sep 2020 16:58

Tgt Ion:	117	Resp:	717222
Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.2	66.2
119	31.8	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

Instrument :

MSVOA_X

ClientSampled :

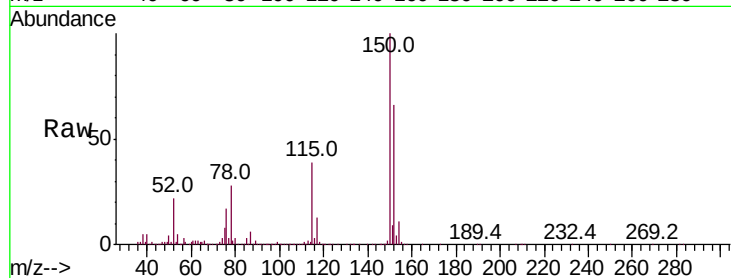
Tot Ion:152 Resp: 351984

Ion Ratio Lower Upper

152 100

115 59.2 41.5 124.5

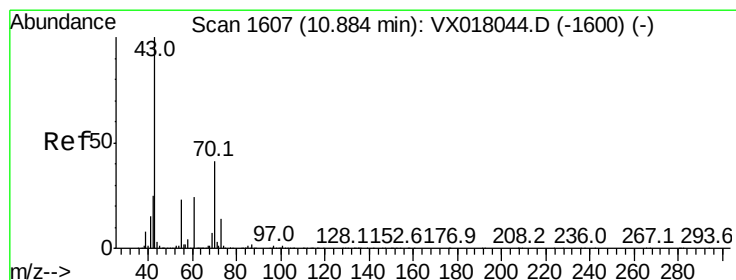
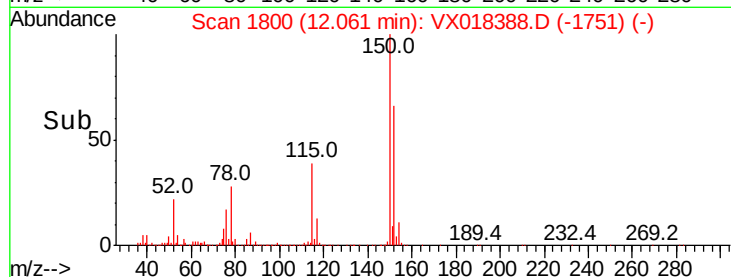
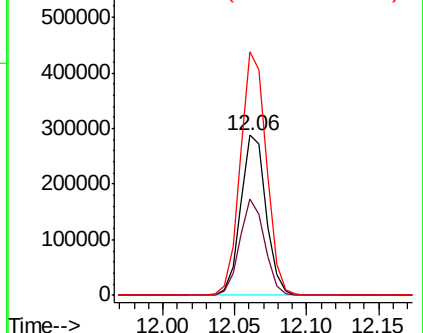
150 155.4 0.0 343.8



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: 0.564 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

Tgt Ion: 43 Resp: 6208

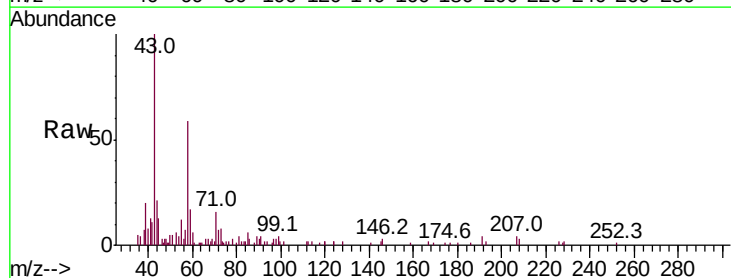
Ion Ratio Lower Upper

43 100

70 3.7 32.3 48.5#

55 22.3 18.2 27.2

61 0.0 18.9 28.3#

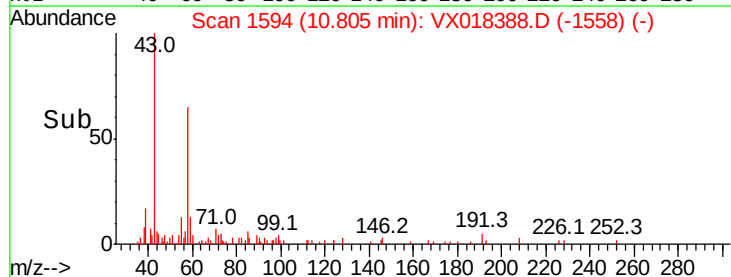
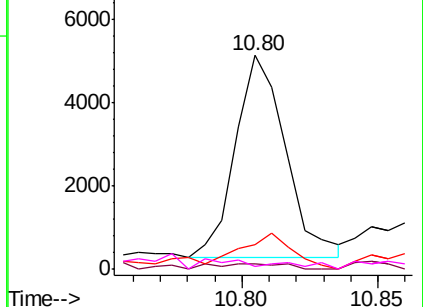


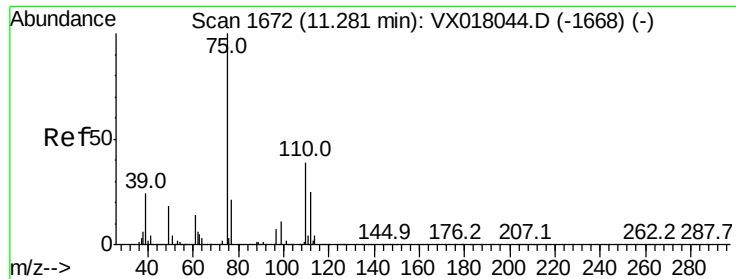
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.792 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018388.D

Acq: 14 Sep 2020 16:58

Instrument :

MSVOA_X

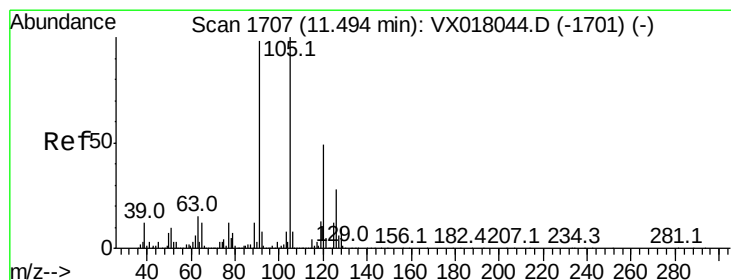
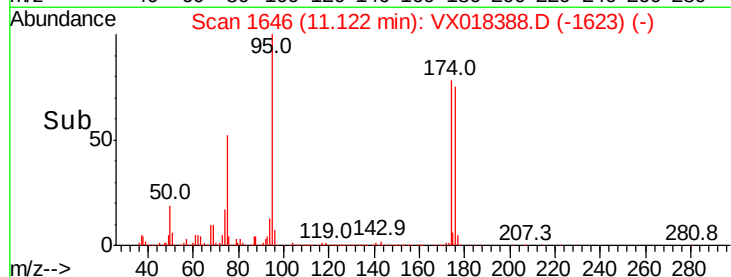
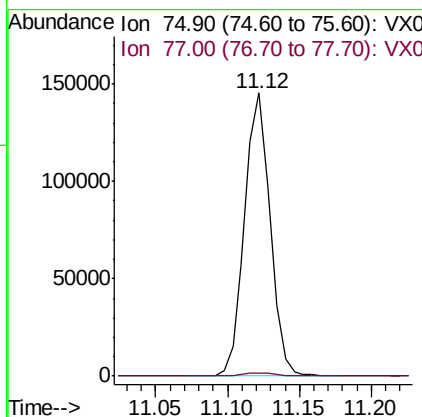
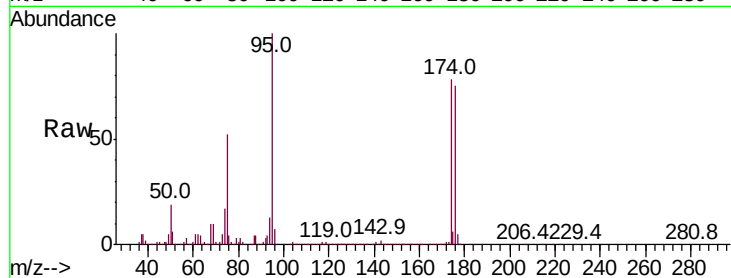
ClientSampleId :

Tot Ion: 75 Resp: 178462

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.411 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018388.D

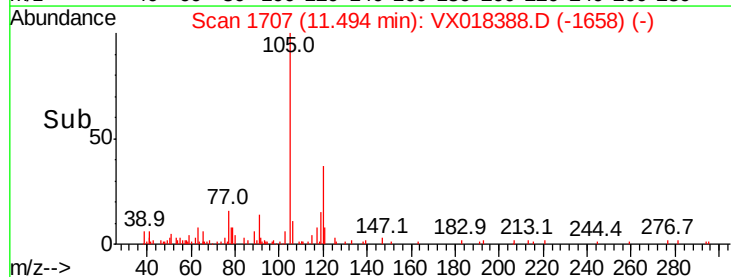
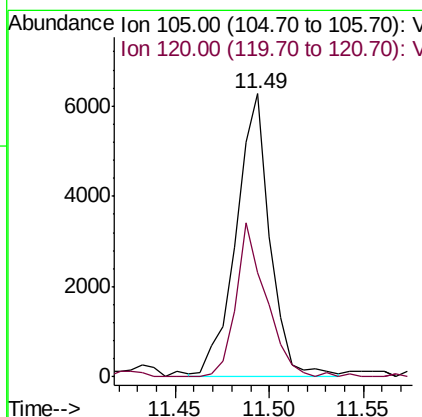
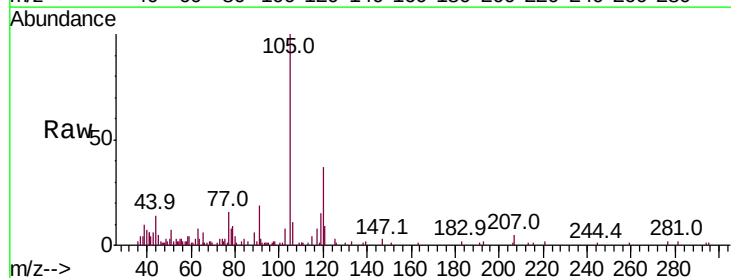
Acq: 14 Sep 2020 16:58

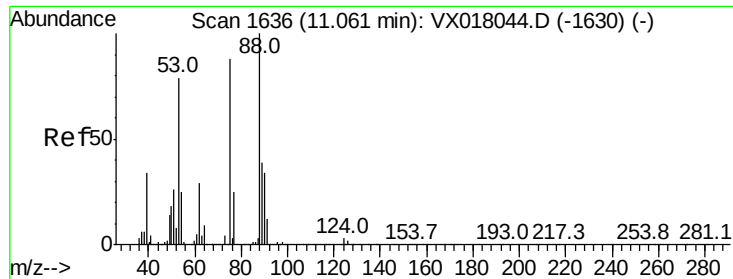
Tgt Ion: 105 Resp: 7850

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.557 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018388.D
 Acq: 14 Sep 2020 16:58

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 178462
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.7 112.1#
 89 0.1 36.6 54.8#

