

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011717.D
 Acq On : 21 Aug 2019 04:44
 Operator : JC/SP
 Sample : K4388-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B4-(0)

Quant Time: Aug 21 05:32:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	349555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	495690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	471052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	218466	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	183614	56.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.28%	
35) Dibromofluoromethane	5.49	113	151503	46.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.46%	
50) Toluene-d8	8.71	98	575187	56.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.88%	
62) 4-Bromofluorobenzene	11.13	95	199398	46.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.52%	

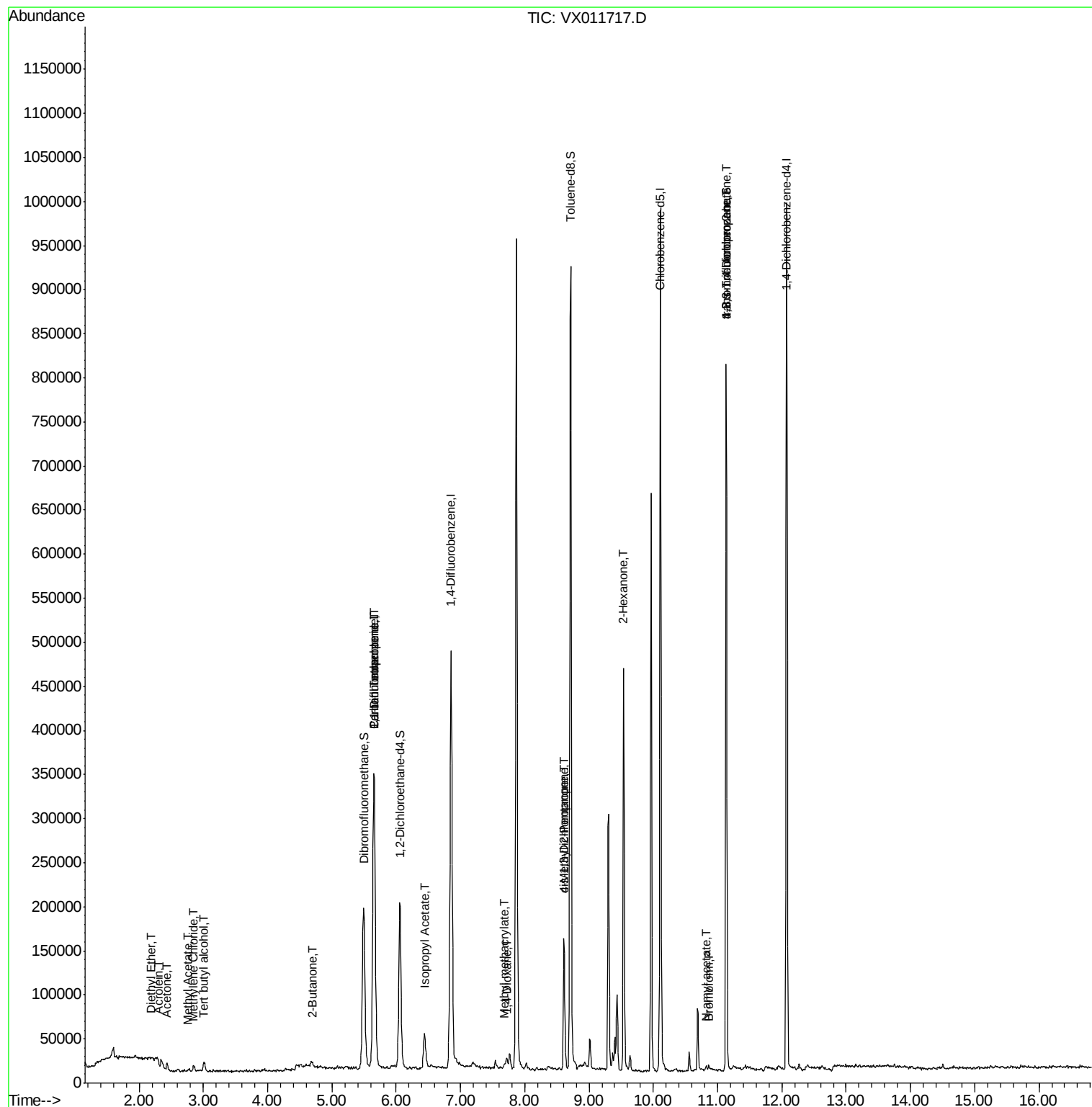
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	317	0.207	ug/l	92
11) Tert butyl alcohol	3.01	59	5945	7.475	ug/l	96
13) Acrolein	2.30	56	236	13.101	ug/l #	61
16) Acetone	2.43	43	8674	5.322	ug/l	97
18) Methyl Acetate	2.76	43	3498	0.692	ug/l	100
20) Methylene Chloride	2.84	84	3330	0.973	ug/l	99
25) 2-Butanone	4.69	43	1605	0.627	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	21141	4.988	ug/l #	50
38) Carbon Tetrachloride	5.65	117	31701	6.789	ug/l #	15
43) Isopropyl Acetate	6.43	43	52616	6.916	ug/l	100
48) Methyl methacrylate	7.68	41	3818	1.013	ug/l #	20
49) 1,4-Dioxane	7.73	88	161	1.607	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	53723	10.789	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	25393	5.101	ug/l #	65
59) 2-Hexanone	9.54	43	54606	14.221	ug/l #	53
71) Bromoform	10.87	173	137	3.327	ug/l #	28
74) N-amyl acetate	10.82	43	2730	0.453	ug/l #	63
76) 1,2,3-Trichloropropane	11.13	75	97935	23.641	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	97935	62.782	ug/l #	11

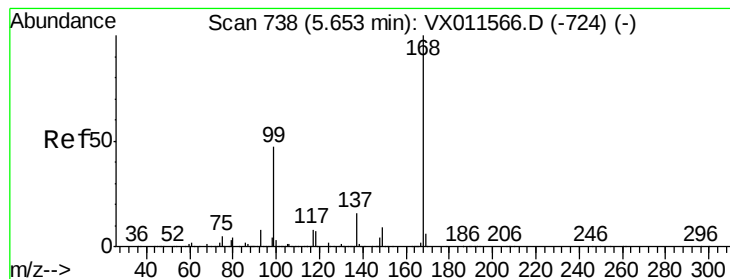
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

Instrument :

MSVOA_X

ClientSampleId :

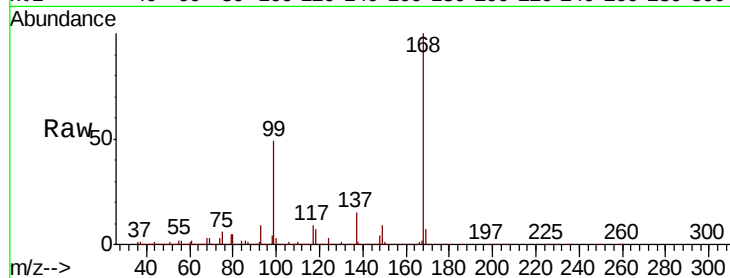
T4-B4-(0)

Tgt Ion:168 Resp: 349555

Ion Ratio Lower Upper

168 100

99 49.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

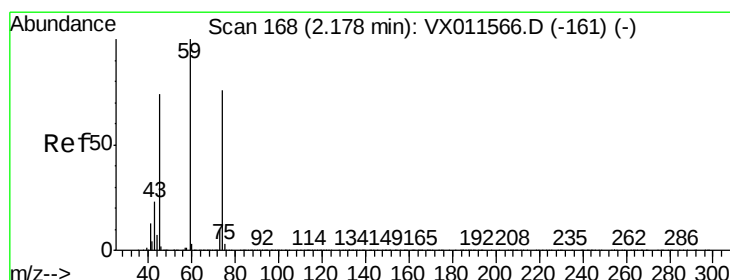
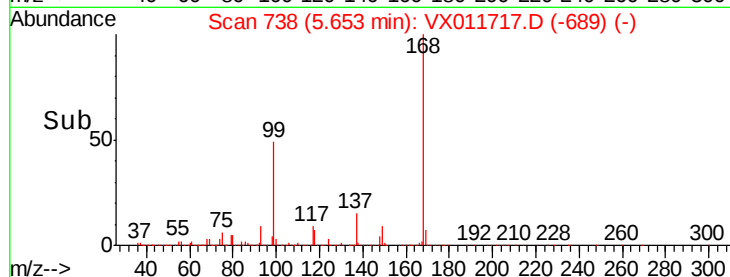
5.65

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.207 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.01 min

Lab File: VX011717.D

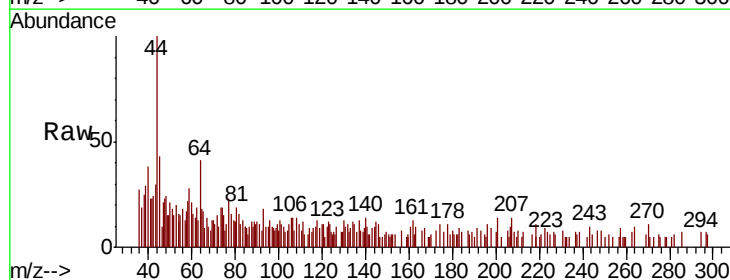
Acq: 21 Aug 2019 04:44

Tgt Ion: 74 Resp: 317

Ion Ratio Lower Upper

74 100

45 104.1 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

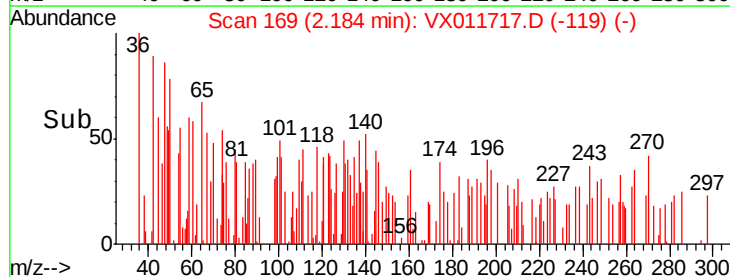
600

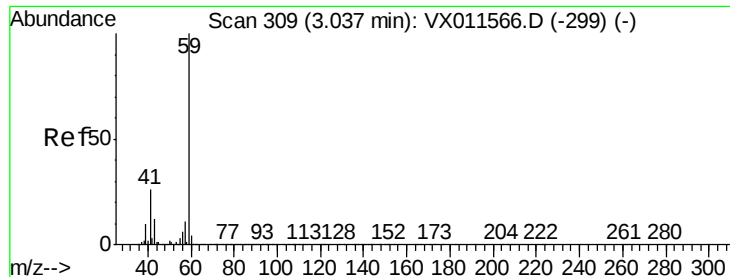
400

200

0

Time-->



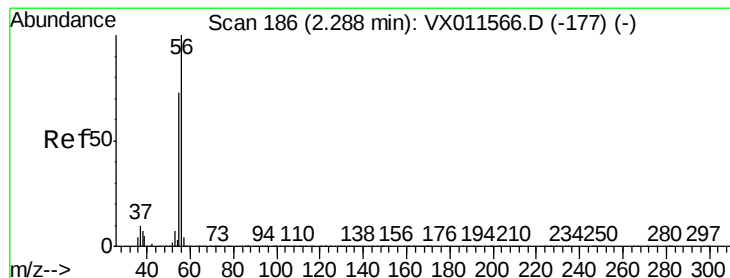
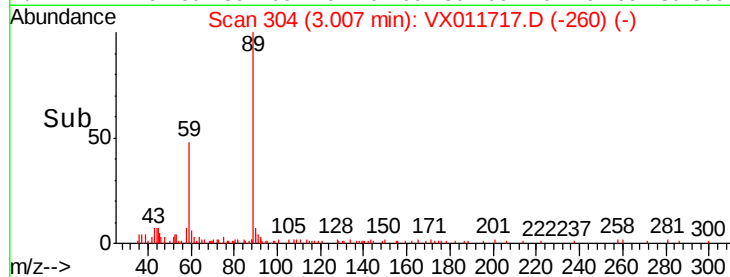
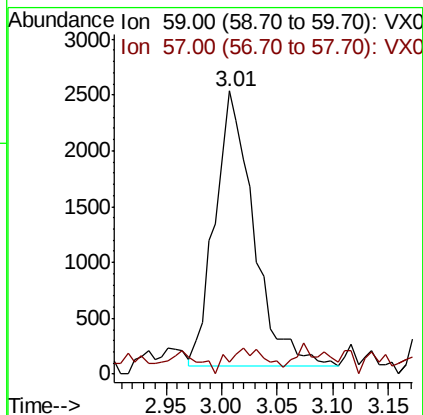
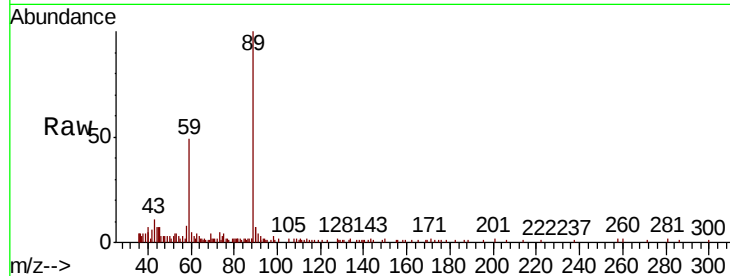


#11

Tert butyl alcohol
 Concen: 7.475 ug/l
 RT: 3.01 min Scan# 304
 Delta R.T. -0.03 min
 Lab File: VX011717.D
 Acq: 21 Aug 2019 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B4-(0)

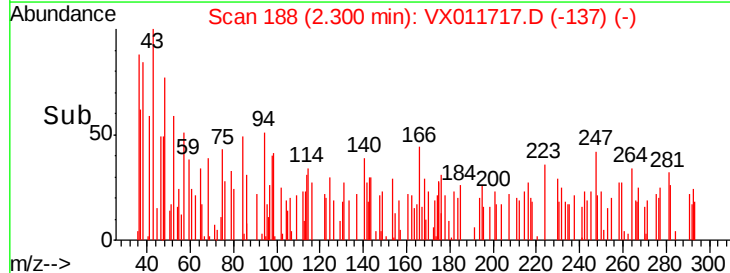
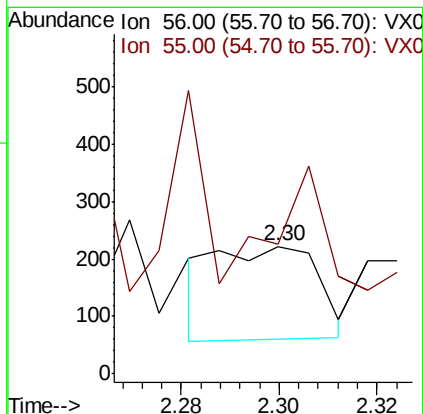
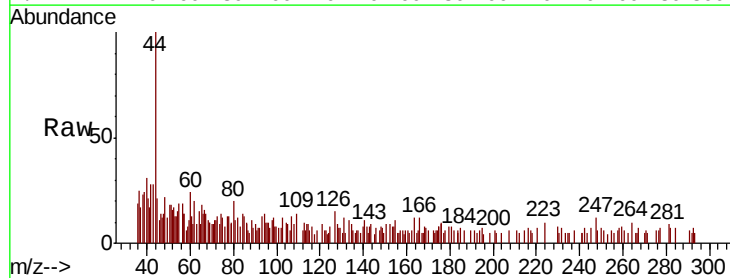
Tgt Ion: 59 Resp: 5945
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.7 13.1

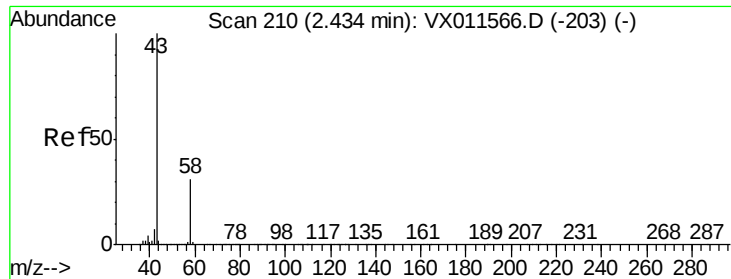


#13

Acrolein
 Concen: 13.101 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX011717.D
 Acq: 21 Aug 2019 04:44

Tgt Ion: 56 Resp: 236
 Ion Ratio Lower Upper
 56 100
 55 37.3 55.5 83.3#





#16

Acetone

Concen: 5.322 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

Instrument :

MSVOA_X

ClientSampleId :

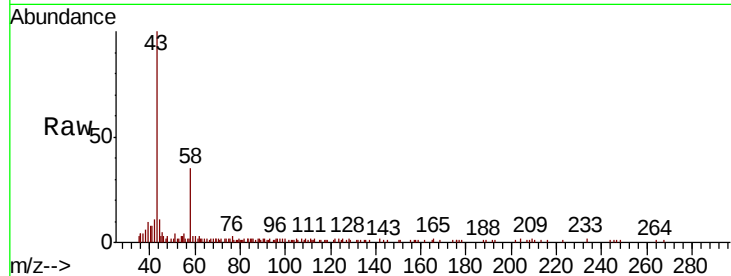
T4-B4-(0)

Tgt Ion: 43 Resp: 8674

Ion Ratio Lower Upper

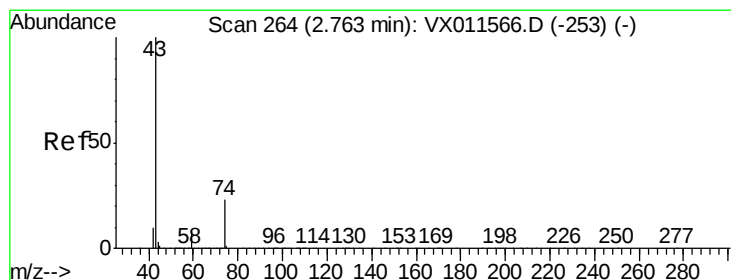
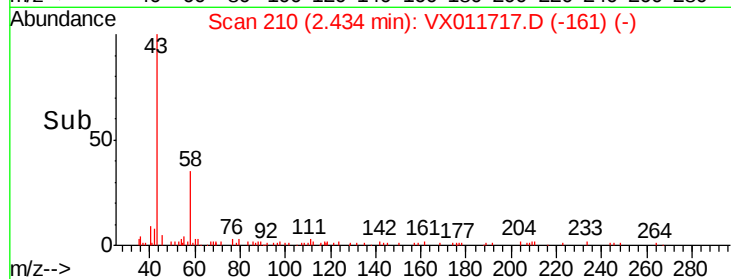
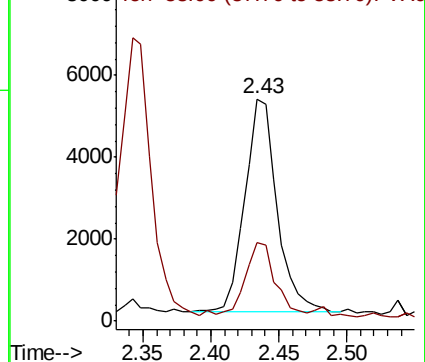
43 100

58 33.4 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.692 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011717.D

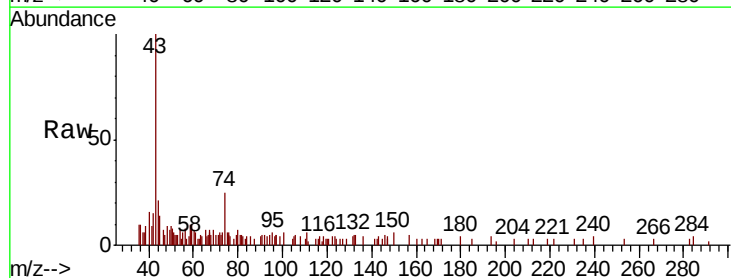
Acq: 21 Aug 2019 04:44

Tgt Ion: 43 Resp: 3498

Ion Ratio Lower Upper

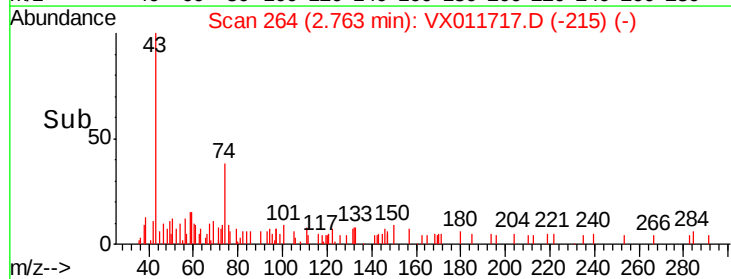
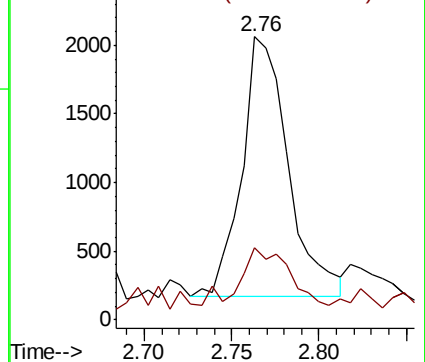
43 100

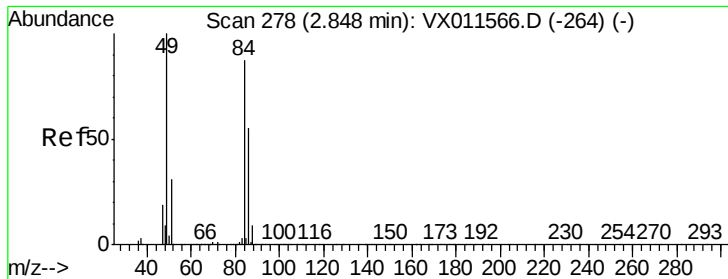
74 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

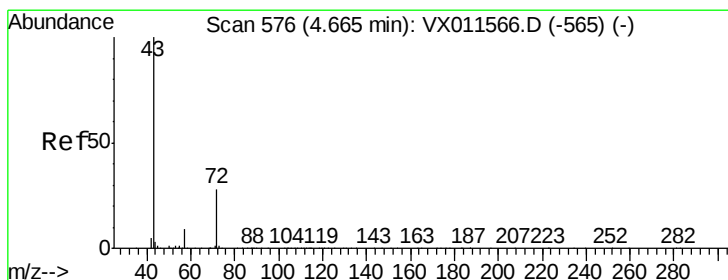
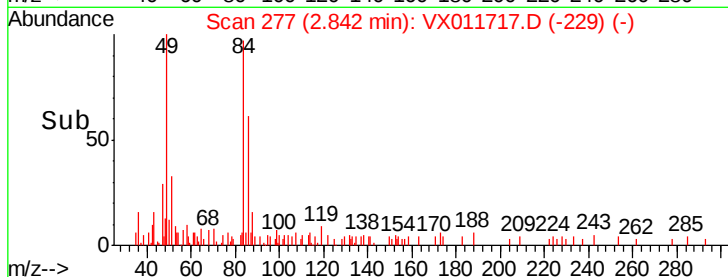
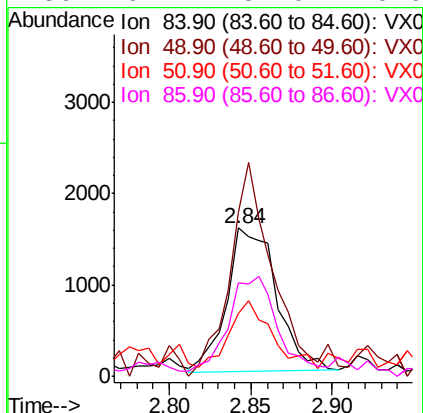
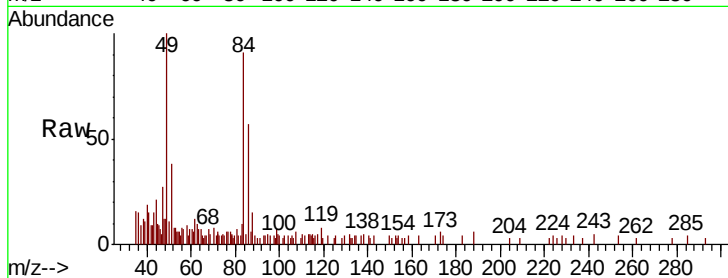




#20
Methylene Chloride
Concen: 0.973 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011717.D
Acq: 21 Aug 2019 04:44

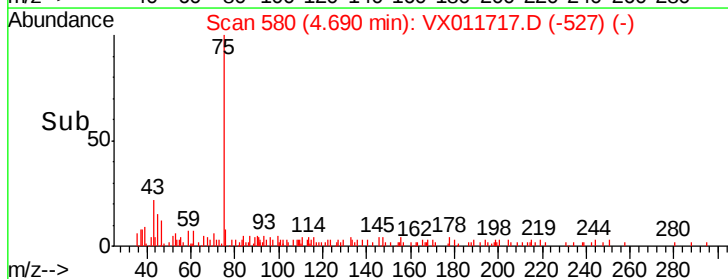
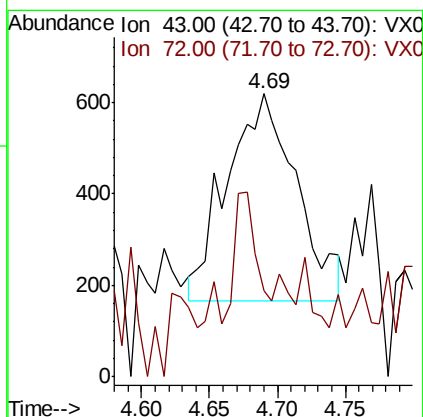
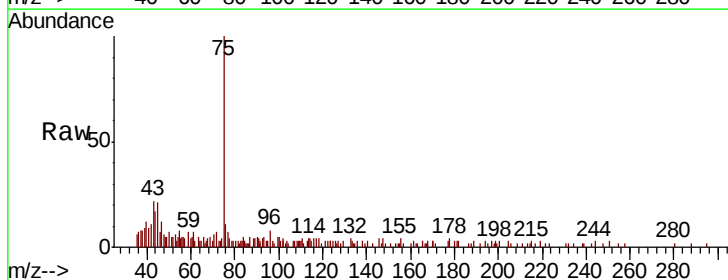
Instrument :
MSVOA_X
ClientSampleId :
T4-B4-(0)

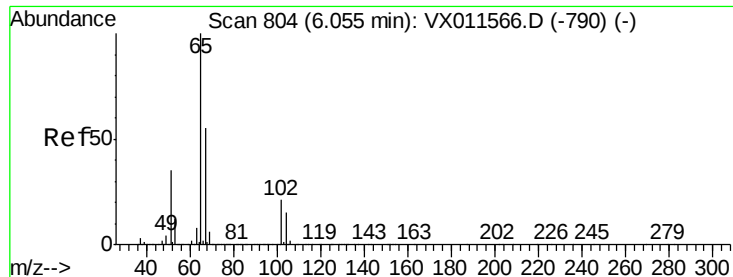
Tgt Ion:	84	Resp:	3330
Ion	Ratio	Lower	Upper
84	100		
49	115.2	92.4	138.6
51	34.8	28.5	42.7
86	61.7	51.0	76.6



#25
2-Butanone
Concen: 0.627 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX011717.D
Acq: 21 Aug 2019 04:44

Tgt Ion:	43	Resp:	1605
Ion	Ratio	Lower	Upper
43	100		
72	8.7	22.2	33.4#





#33

1,2-Dichloroethane-d4

Concen: 56.642 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

Instrument :

MSVOA_X

ClientSampleId :

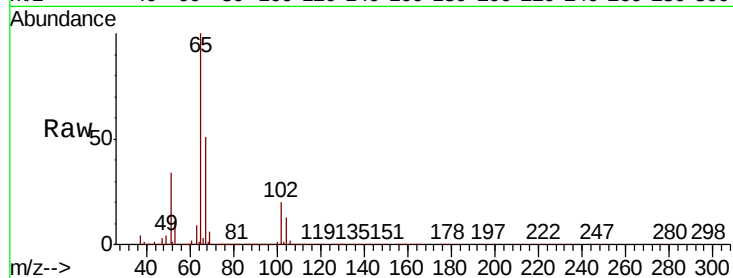
T4-B4-(0)

Tgt Ion: 65 Resp: 183614

Ion Ratio Lower Upper

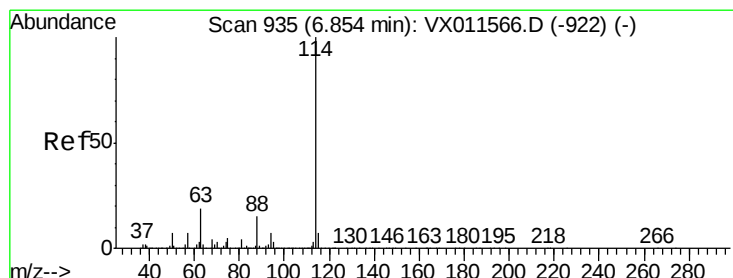
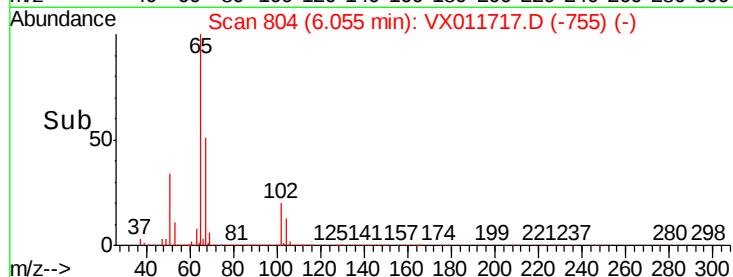
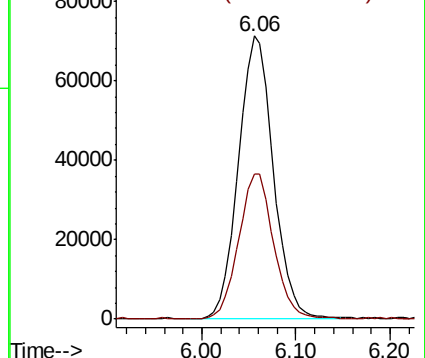
65 100

67 51.4 0.0 107.6



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: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

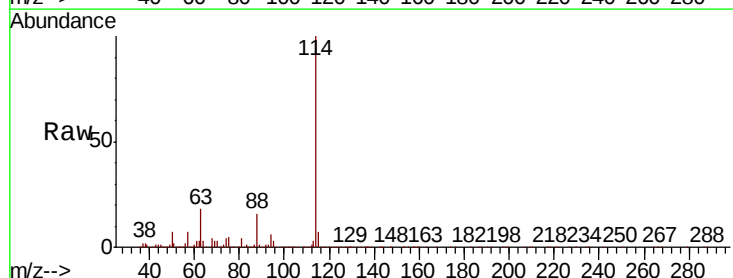
Tgt Ion: 114 Resp: 495690

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.8

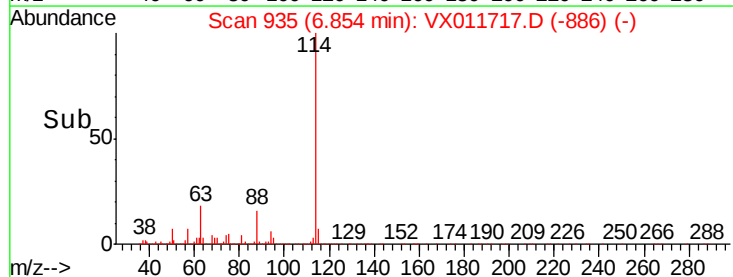
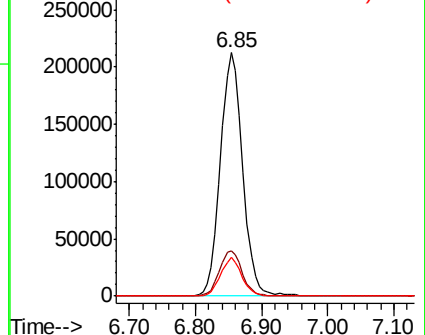
88 15.7 0.0 30.2

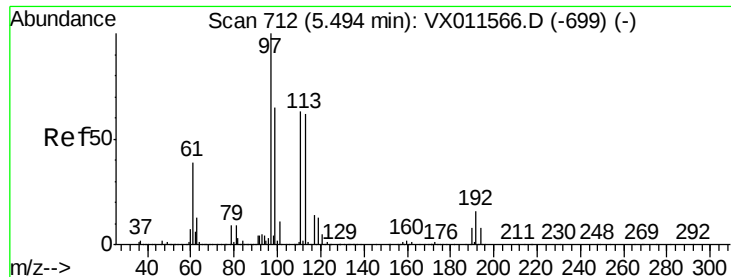


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.730 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

Instrument :

MSVOA_X

ClientSampleId :

T4-B4-(0)

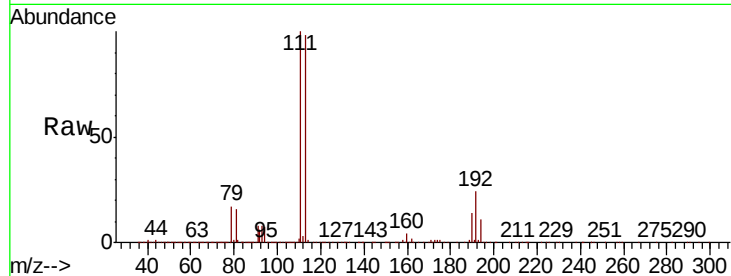
Tgt Ion:113 Resp: 151503

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

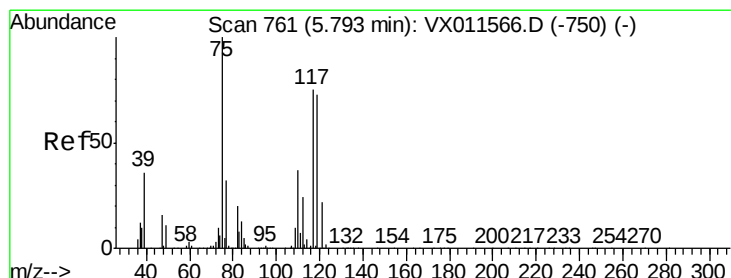
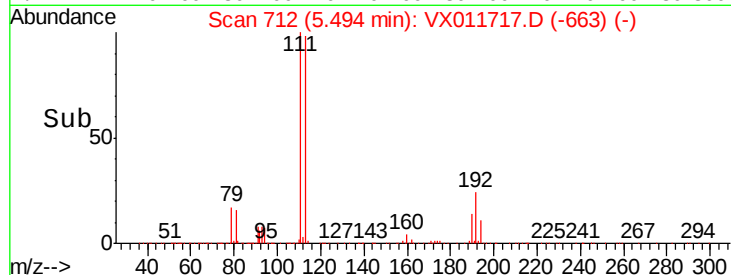
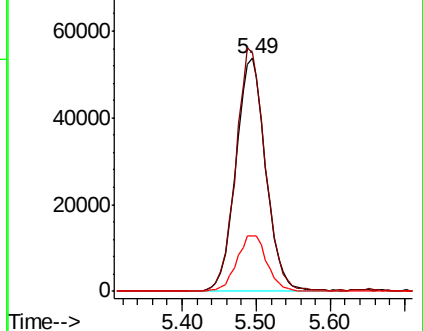
192 24.4 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.988 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

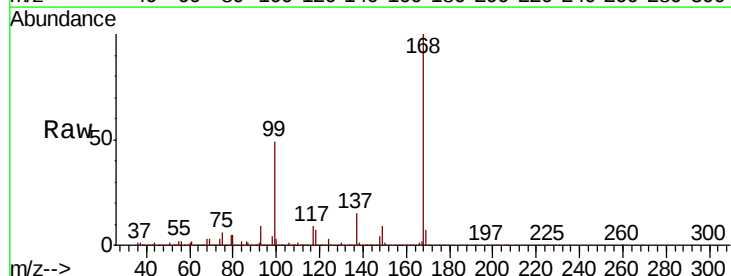
Tgt Ion: 75 Resp: 21141

Ion Ratio Lower Upper

75 100

110 12.0 19.4 58.1#

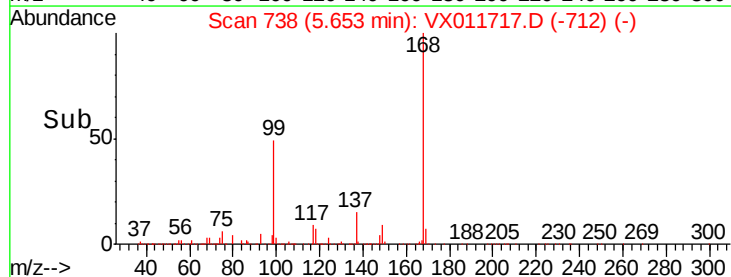
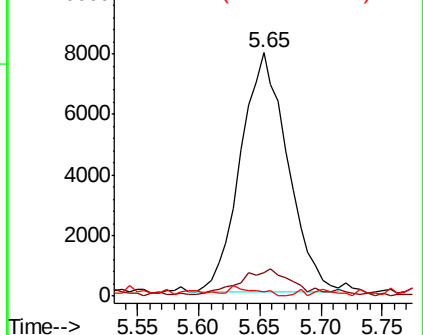
77 0.0 25.1 37.7#

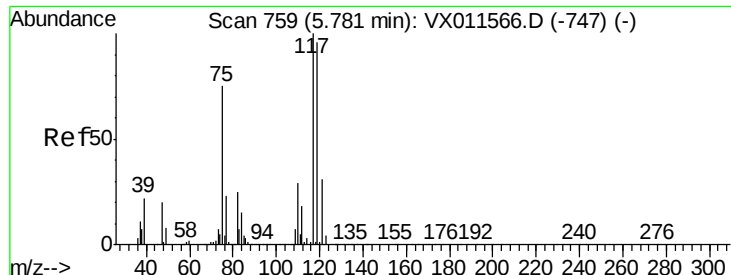


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.789 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

Instrument :

MSVOA_X

ClientSampled :

T4-B4-(0)

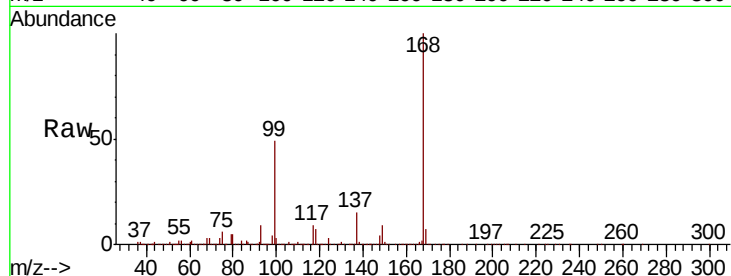
Tgt Ion:117 Resp: 31701

Ion Ratio Lower Upper

117 100

119 3.8 76.9 115.3#

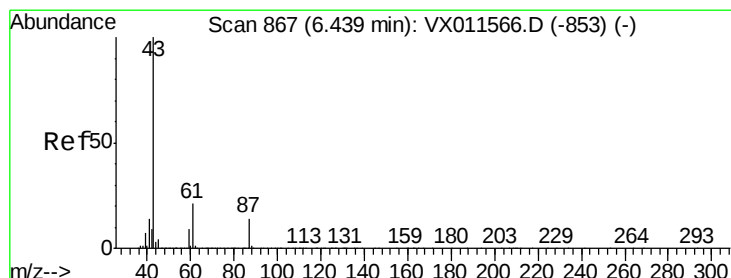
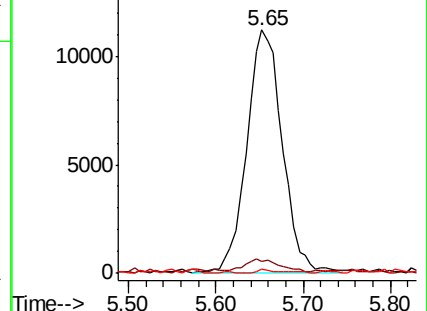
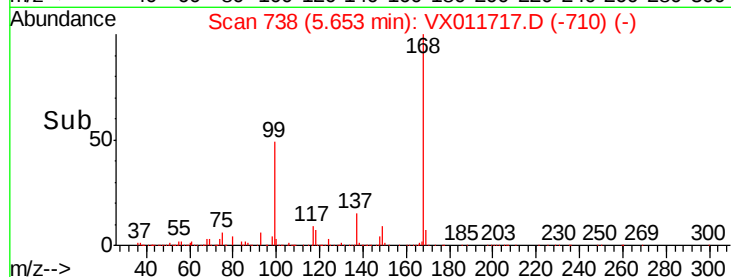
121 1.1 24.8 37.2#



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: 6.916 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

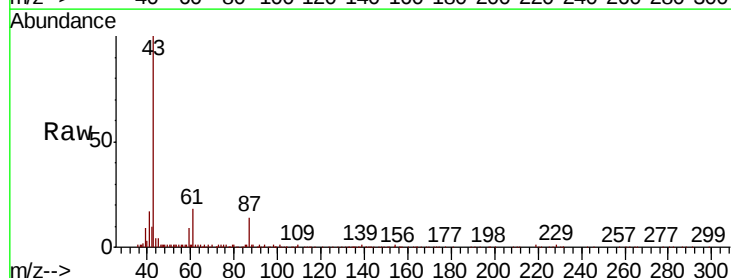
Tgt Ion: 43 Resp: 52616

Ion Ratio Lower Upper

43 100

61 20.7 16.6 24.8

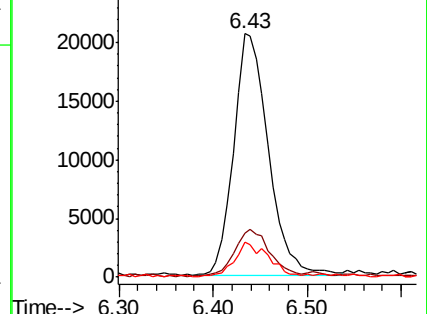
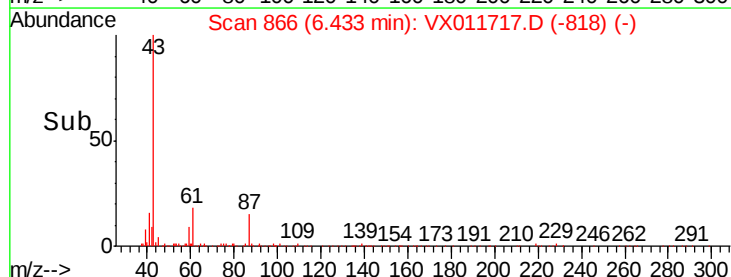
87 14.6 11.4 17.2

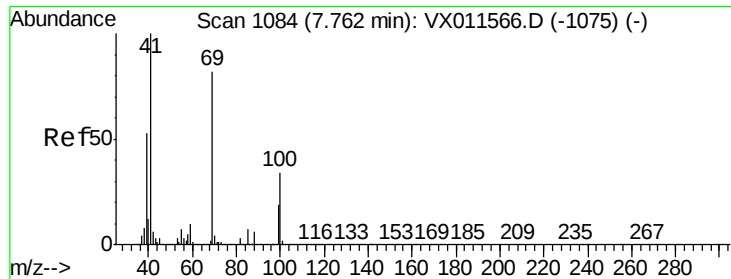


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

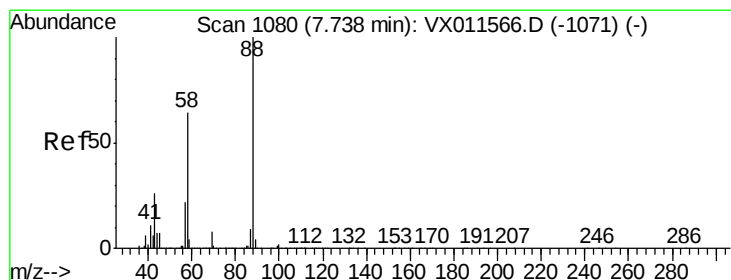
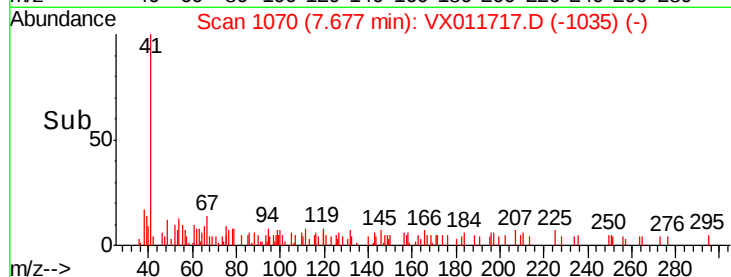
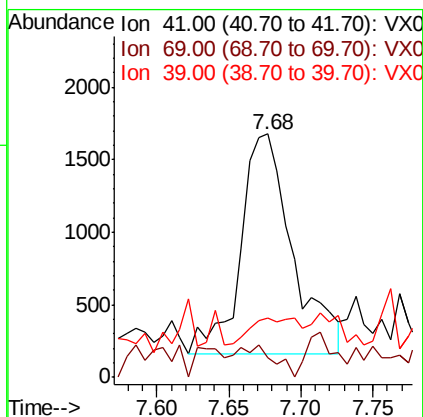
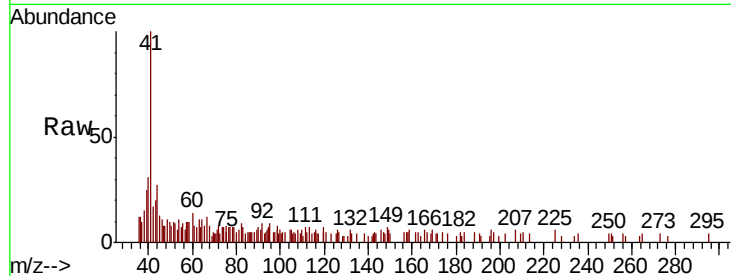




#48
Methyl methacrylate
Concen: 1.013 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011717.D
Acq: 21 Aug 2019 04:44

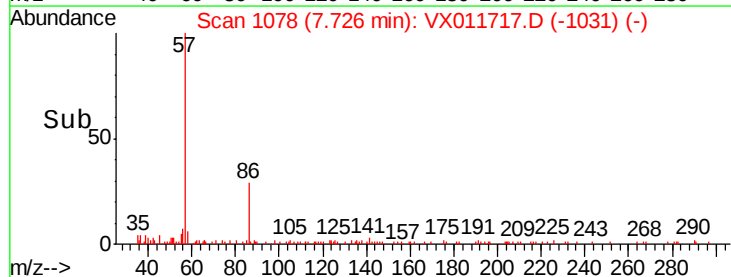
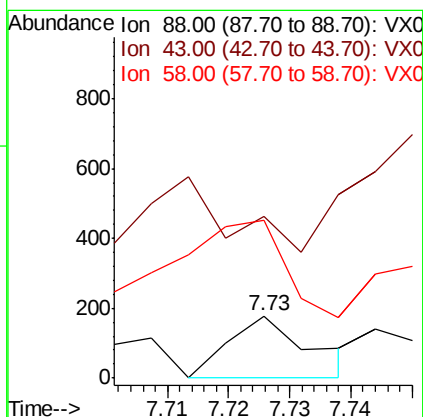
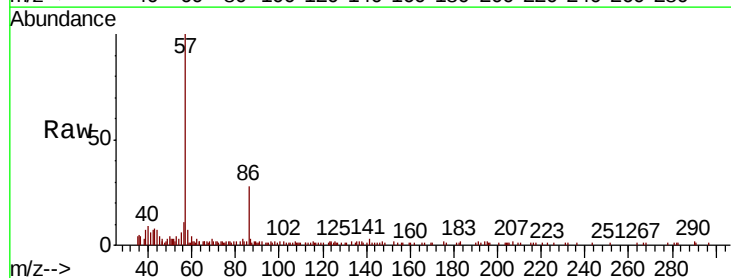
Instrument :
MSVOA_X
ClientSampled :
T4-B4-(0)

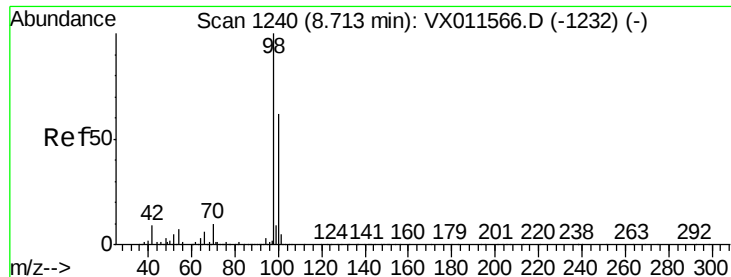
Tgt Ion: 41 Resp: 3818
Ion Ratio Lower Upper
41 100
69 9.2 67.9 101.9#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 1.607 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX011717.D
Acq: 21 Aug 2019 04:44

Tgt Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 578.9 54.3 81.5#





#50

Toluene-d8

Concen: 56.938 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

Instrument :

MSVOA_X

ClientSampleId :

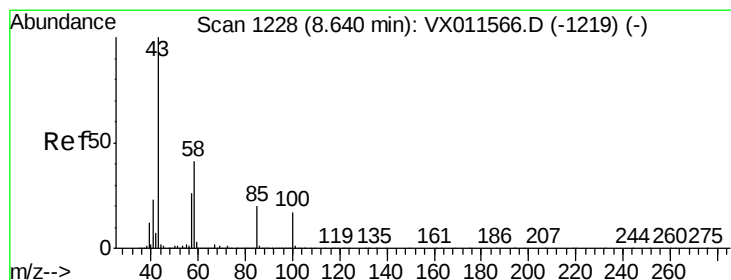
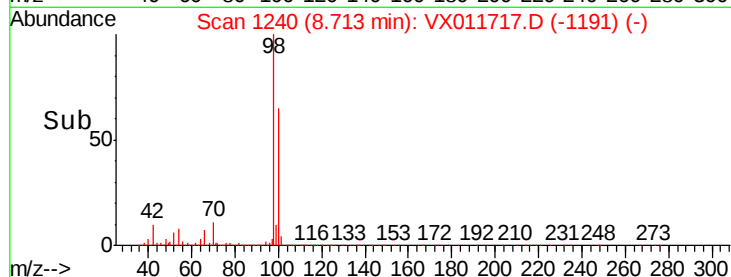
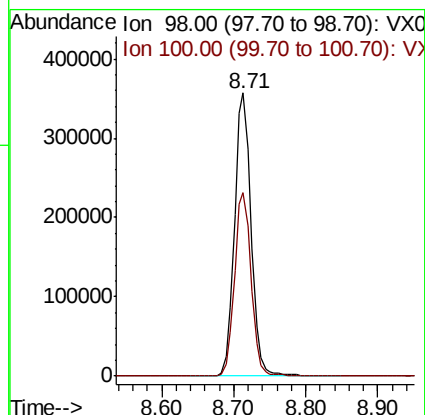
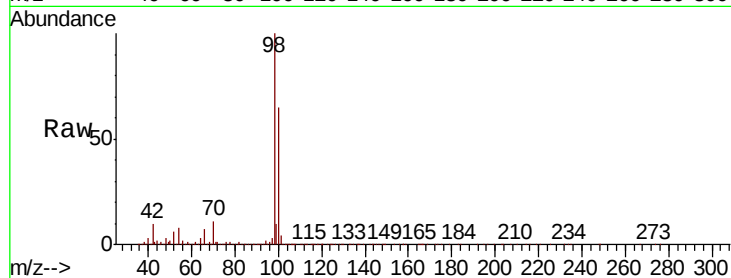
T4-B4-(0)

Tgt Ion: 98 Resp: 575187

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 10.789 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011717.D

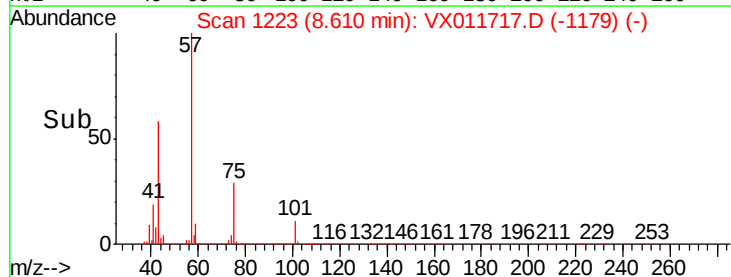
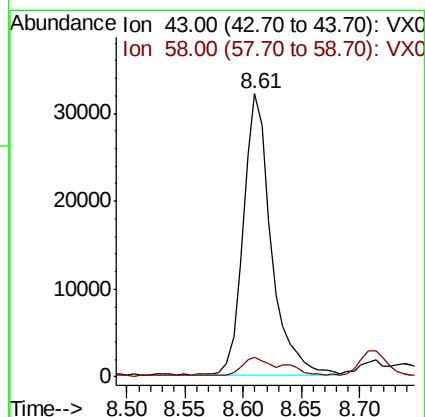
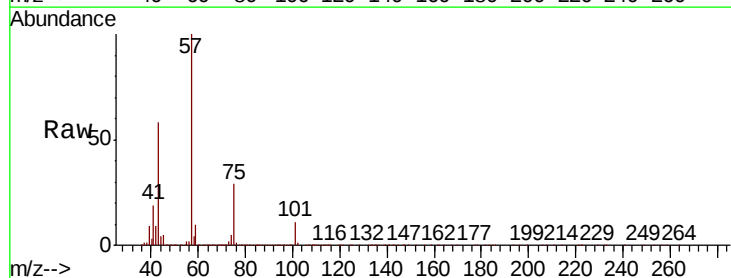
Acq: 21 Aug 2019 04:44

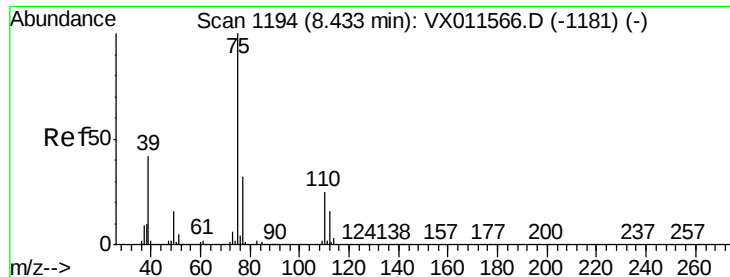
Tgt Ion: 43 Resp: 53723

Ion Ratio Lower Upper

43 100

58 6.4 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 5.101 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

Instrument :

MSVOA_X

ClientSampleId :

T4-B4-(0)

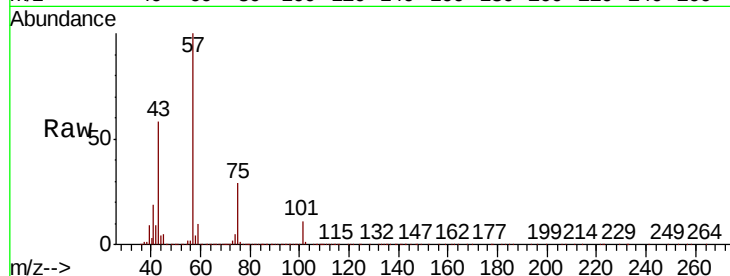
Tgt Ion: 75 Resp: 25393

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

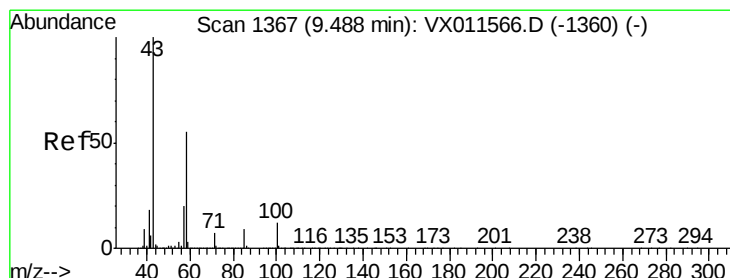
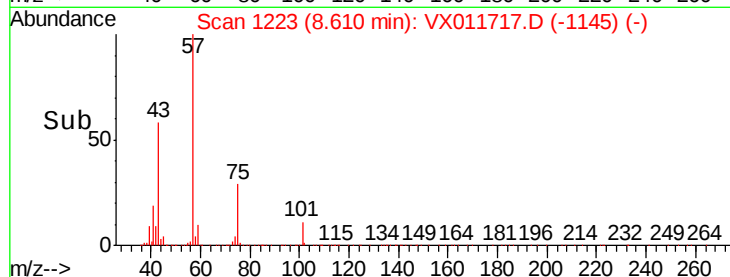
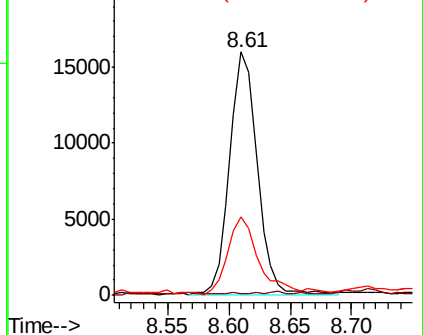
39 30.9 33.6 50.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 14.221 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011717.D

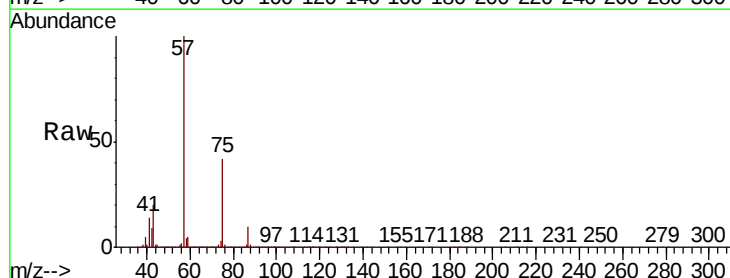
Acq: 21 Aug 2019 04:44

Tgt Ion: 43 Resp: 54606

Ion Ratio Lower Upper

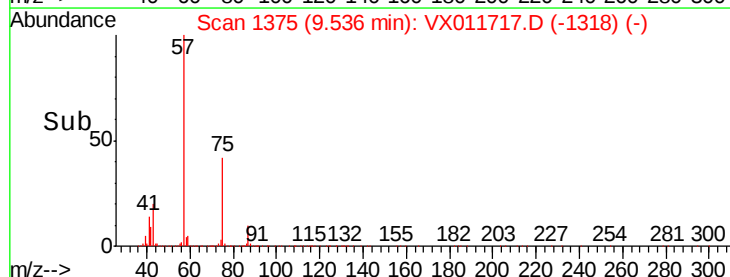
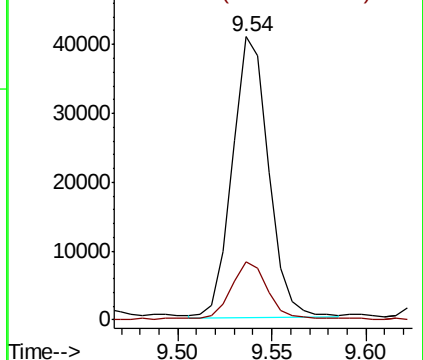
43 100

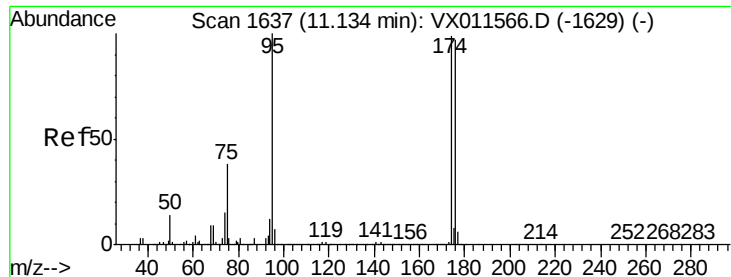
58 21.3 27.5 82.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

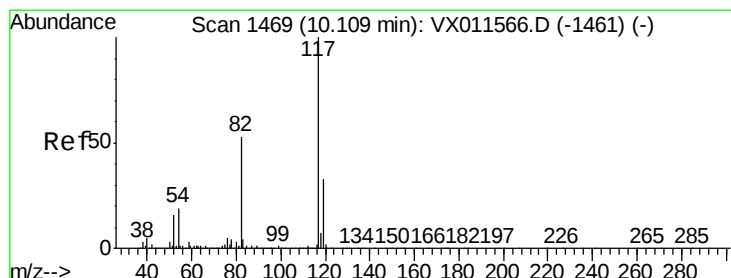
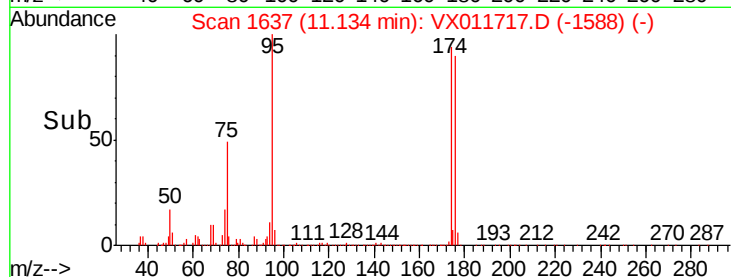
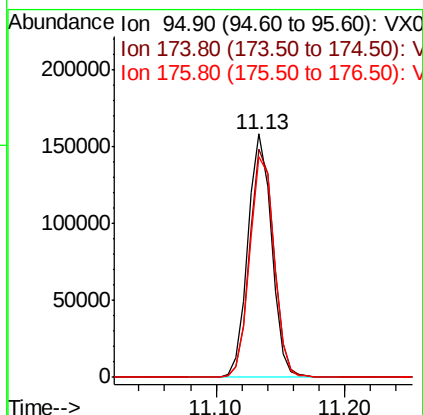
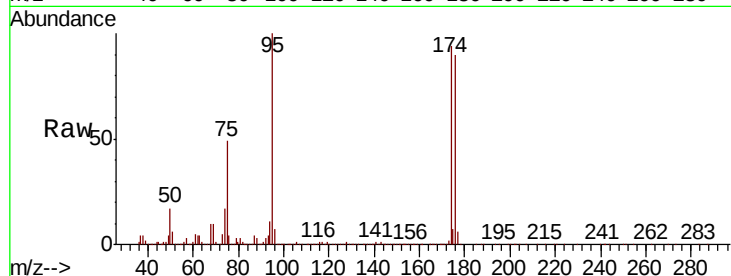




#62
4-Bromofluorobenzene
Concen: 46.764 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011717.D
Acq: 21 Aug 2019 04:44

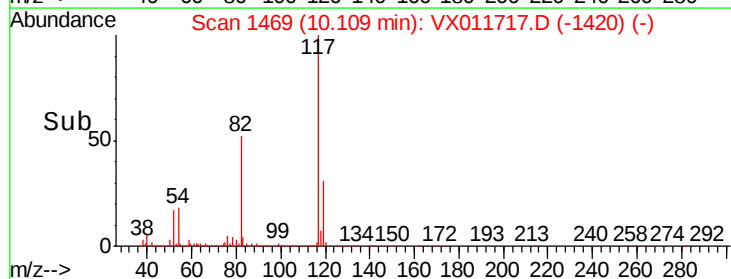
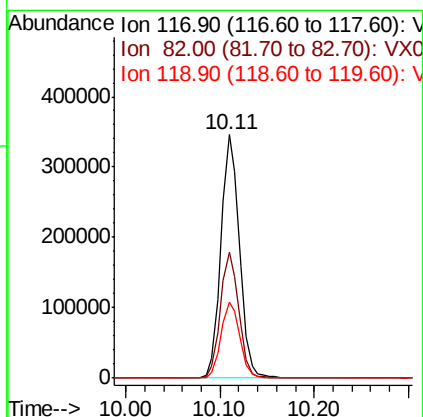
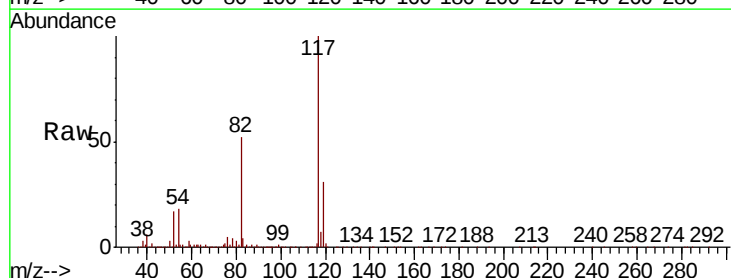
Instrument :
MSVOA_X
ClientSampleId :
T4-B4-(0)

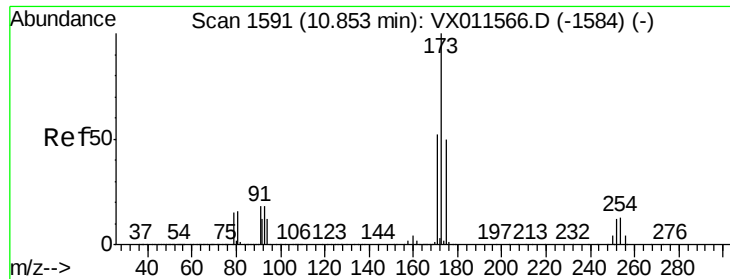
Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	200.6
176	92.8	0.0	196.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011717.D
Acq: 21 Aug 2019 04:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.0	63.0
119	31.3	26.5	39.7

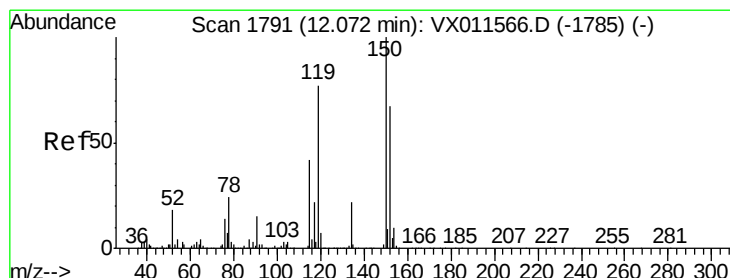
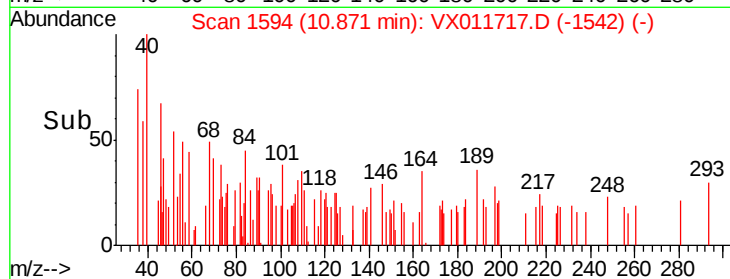
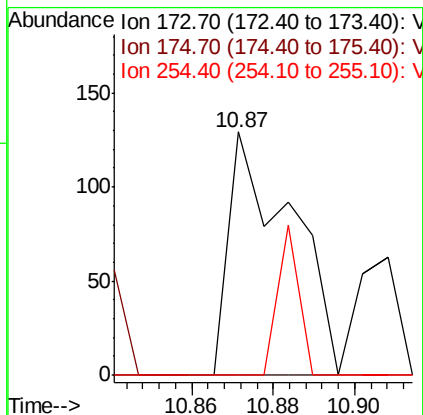
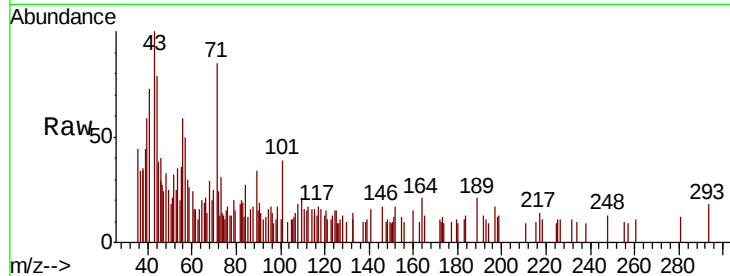




#71
Bromoform
Concen: 3.327 ug/l
RT: 10.87 min Scan# 1594
Delta R.T. 0.02 min
Lab File: VX011717.D
Acq: 21 Aug 2019 04:44

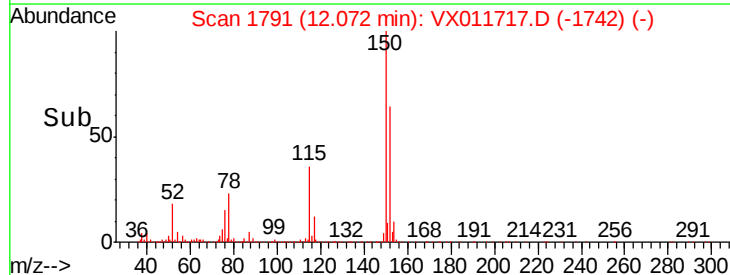
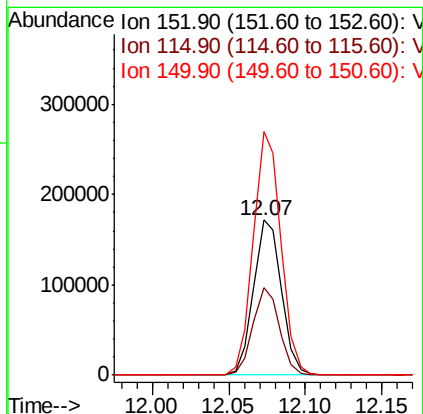
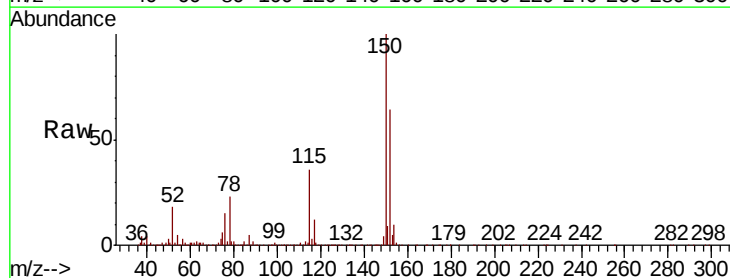
Instrument :
MSVOA_X
ClientSampled :
T4-B4-(0)

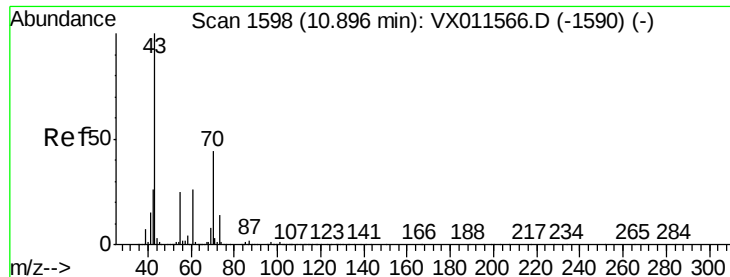
Tgt Ion:173 Resp: 137
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 21.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011717.D
Acq: 21 Aug 2019 04:44

Tgt Ion:152 Resp: 218466
Ion Ratio Lower Upper
152 100
115 54.3 37.3 111.9
150 155.3 0.0 346.2





#74

N-ethyl acetate

Concen: 0.453 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

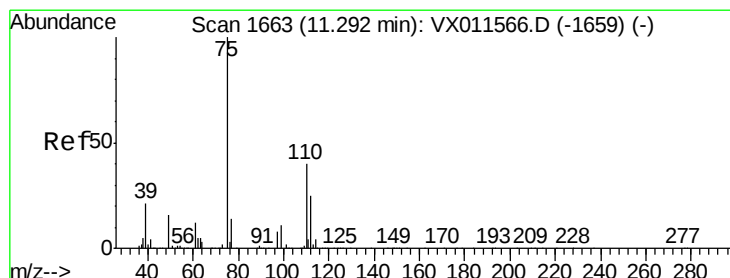
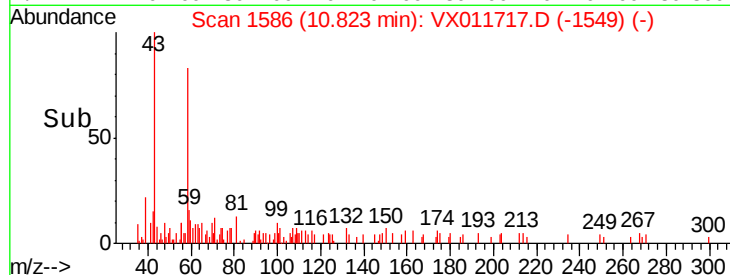
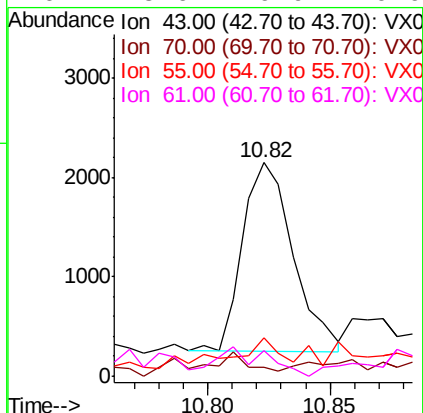
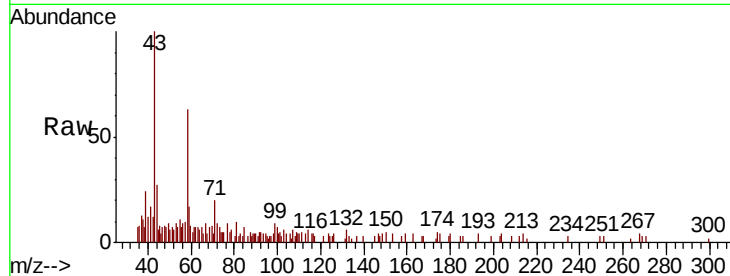
Instrument :

MSVOA_X

ClientSampleId :

T4-B4-(0)

Tgt Ion:	43	Resp:	2730
Ion	Ratio	Lower	Upper
43	100		
70	5.0	34.7	52.1#
55	16.2	19.6	29.4#
61	15.6	19.9	29.9#



#76

1,2,3-Trichloropropane

Concen: 23.641 ug/l

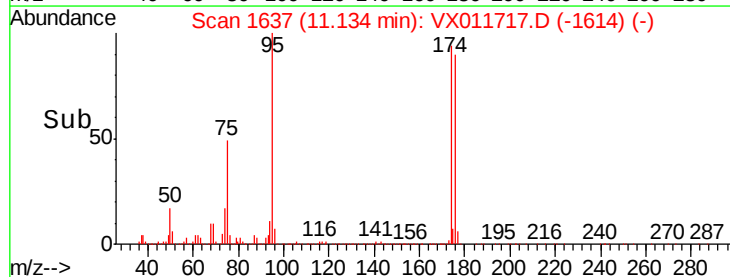
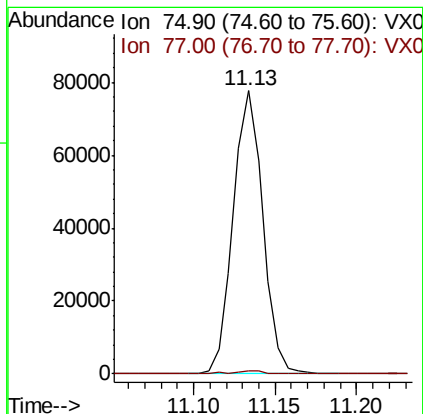
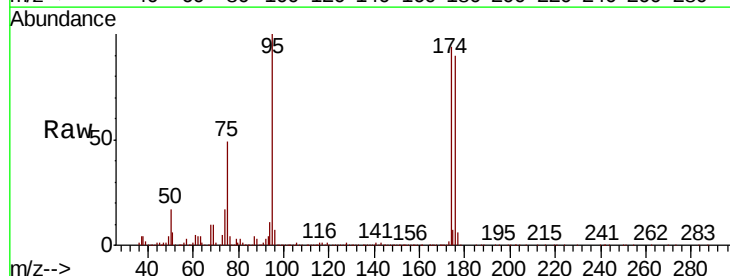
RT: 11.13 min Scan# 1637

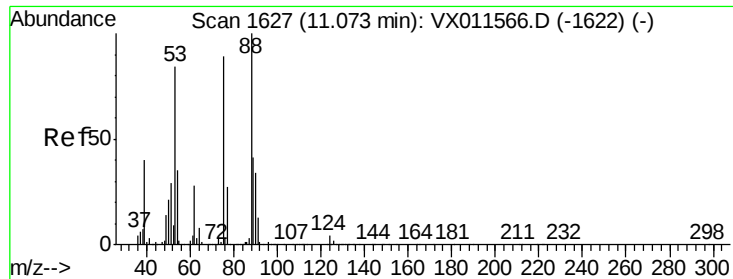
Delta R.T. -0.16 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

Tgt Ion:	75	Resp:	97935
Ion	Ratio	Lower	Upper
75	100		
77	1.2	20.9	62.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.782 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011717.D

Acq: 21 Aug 2019 04:44

Instrument :

MSVOA_X

ClientSampleId :

T4-B4-(0)

Tgt Ion: 75 Resp: 97935

Ion Ratio Lower Upper

75 100

53 0.2 77.4 116.0#

89 0.0 37.3 55.9#

