

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011701.D
 Acq On : 20 Aug 2019 22:27
 Operator : JC/SP
 Sample : K4387-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-B-(2)

Quant Time: Aug 20 23:29:04 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	5.66	168	390817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	536985	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	497226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	246853	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	191086	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
35) Dibromofluoromethane	5.49	113	164327	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
50) Toluene-d8	8.71	98	609329	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	
62) 4-Bromofluorobenzene	11.13	95	224569	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

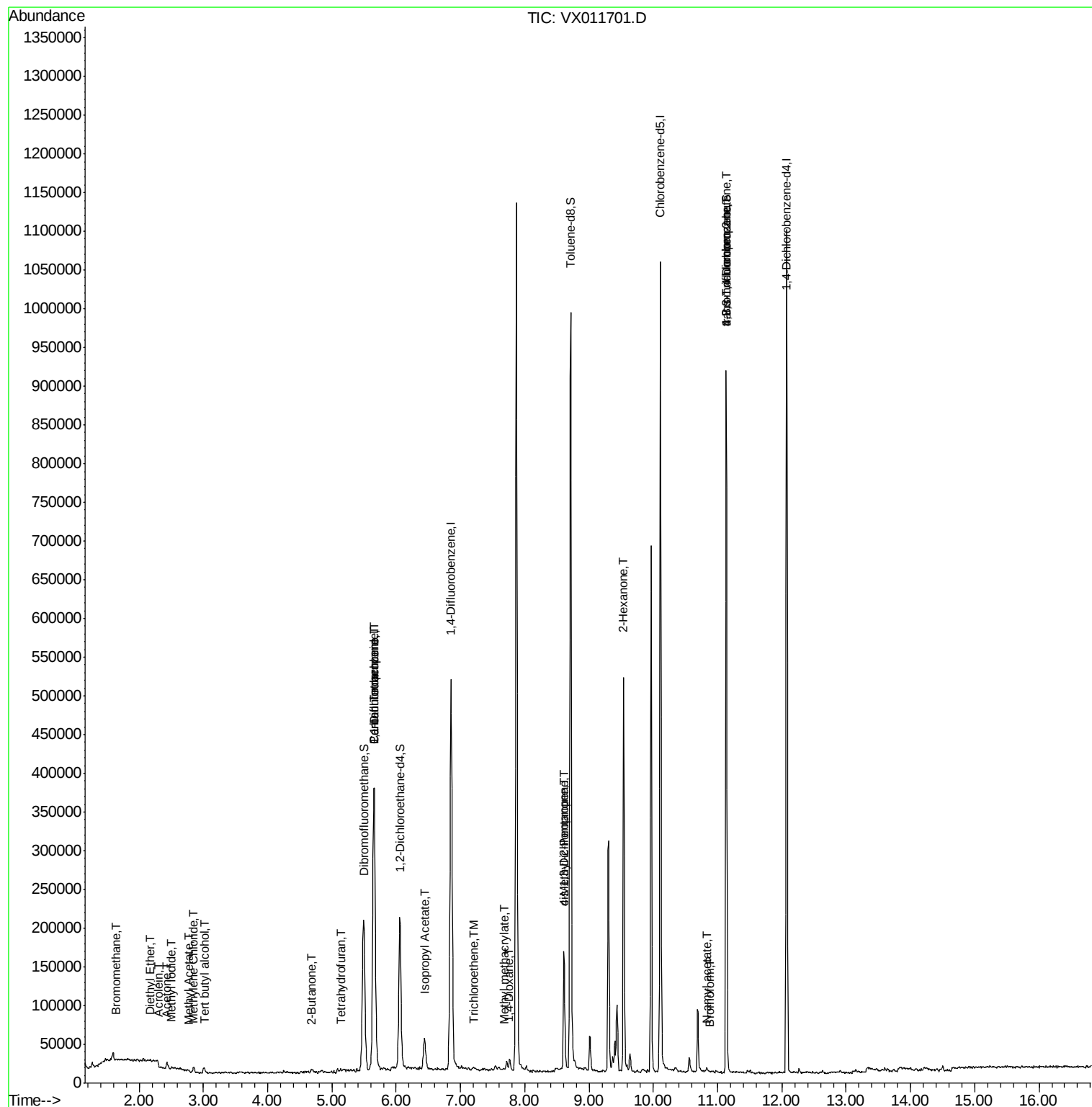
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	574	0.355	ug/l #	3
8) Diethyl Ether	2.17	74	479	0.280	ug/l	84
10) Methyl Iodide	2.50	142	1117	0.227	ug/l #	80
11) Tert butyl alcohol	3.01	59	3658	4.114	ug/l #	90
13) Acrolein	2.30	56	376	13.491	ug/l	94
16) Acetone	2.43	43	10032	5.505	ug/l	89
18) Methyl Acetate	2.77	43	2772	0.490	ug/l	98
20) Methylene Chloride	2.85	84	3683	0.963	ug/l #	93
25) 2-Butanone	4.67	43	761	0.266	ug/l #	78
29) Tetrahydrofuran	5.14	42	423	0.225	ug/l #	59
36) 1,1-Dichloropropene	5.66	75	23211	5.056	ug/l #	51
38) Carbon Tetrachloride	5.65	117	33562	6.635	ug/l #	15
43) Isopropyl Acetate	6.44	43	57422	6.968	ug/l	98
44) Trichloroethene	7.21	130	1642	0.388	ug/l	88
48) Methyl methacrylate	7.68	41	3609	0.884	ug/l #	16
49) 1,4-Dioxane	7.74	88	173	1.594	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	53702	9.956	ug/l #	45
54) cis-1,3-Dichloropropene	8.61	75	24134	4.476	ug/l #	69
59) 2-Hexanone	9.54	43	62433	15.009	ug/l #	53
71) Bromoform	10.87	173	83	3.312	ug/l #	28
74) N-amyl acetate	10.82	43	2514	0.369	ug/l #	46
76) 1,2,3-Trichloropropane	11.13	75	107899	23.051	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	107899	61.327	ug/l #	11

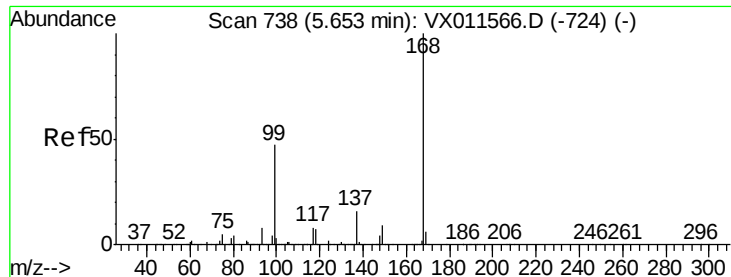
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

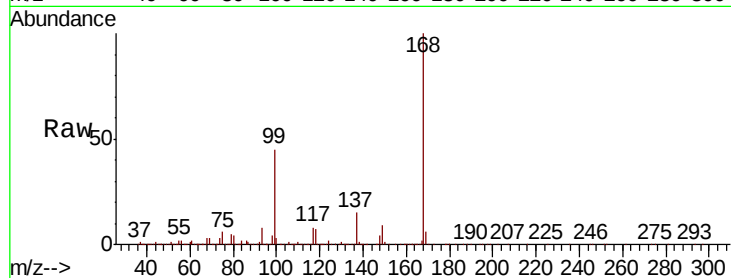
T6-B-(2)

Tgt Ion:168 Resp: 390817

Ion Ratio Lower Upper

168 100

99 45.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

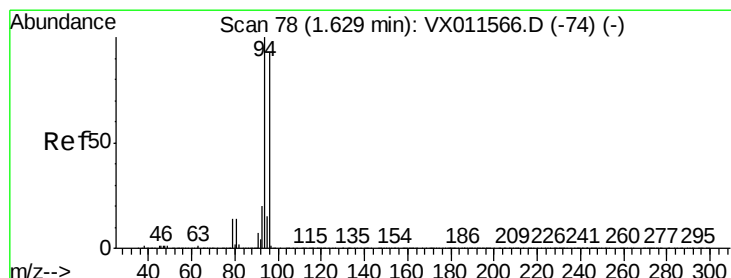
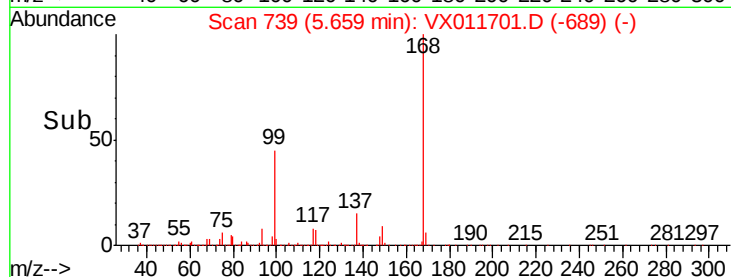
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.355 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011701.D

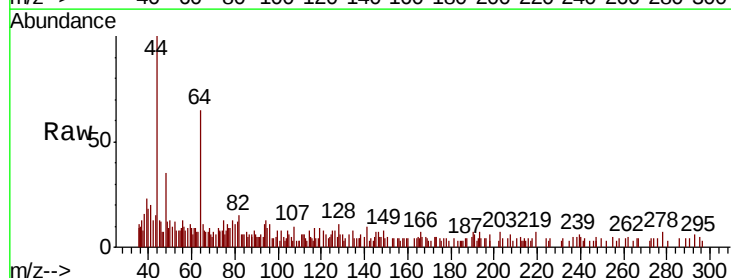
Acq: 20 Aug 2019 22:27

Tgt Ion: 94 Resp: 574

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

300

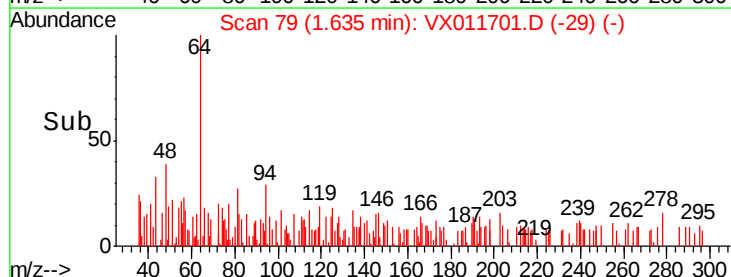
200

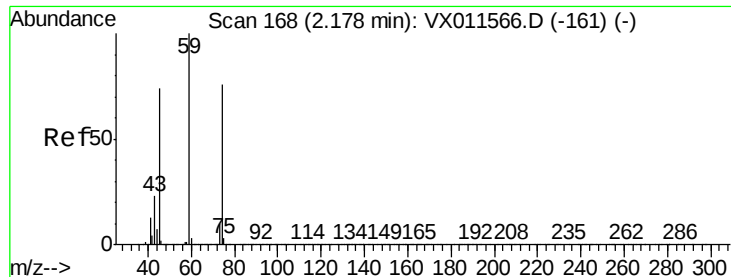
100

0

Time-->

1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.280 ug/l

RT: 2.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

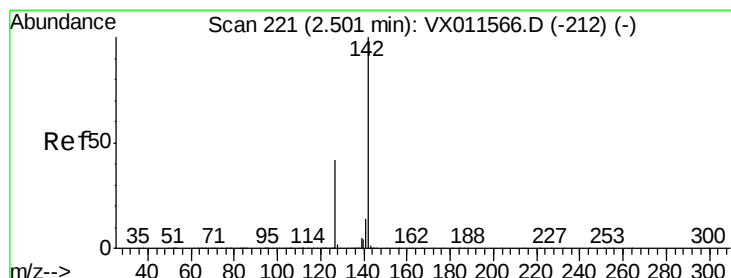
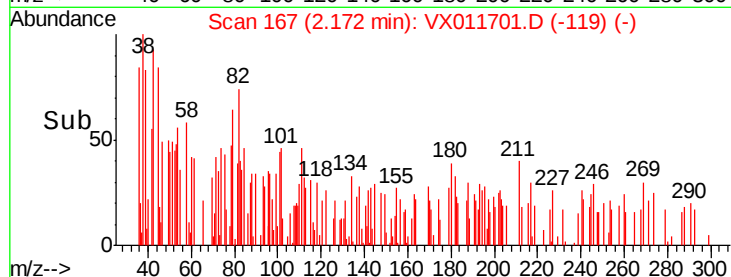
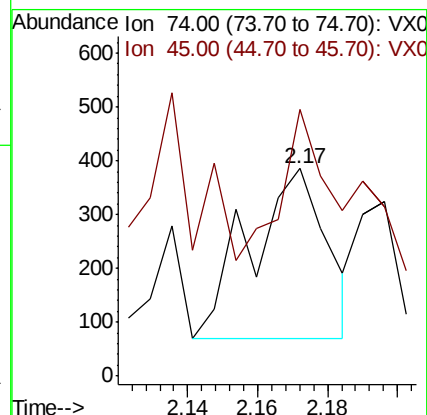
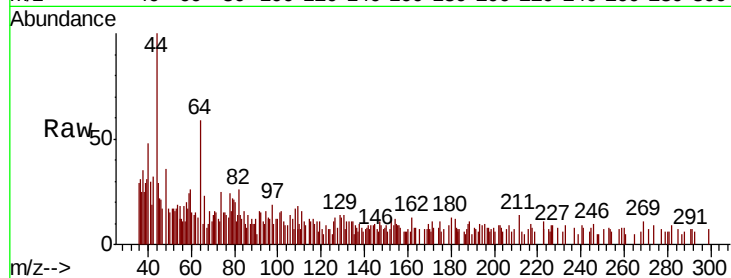
T6-B-(2)

Tgt Ion: 74 Resp: 479

Ion Ratio Lower Upper

74 100

45 80.4 48.2 144.6



#10

Methyl Iodide

Concen: 0.227 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

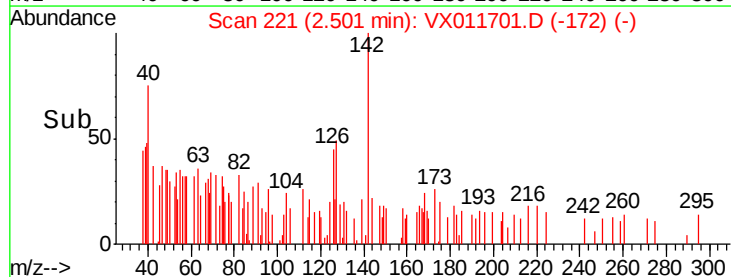
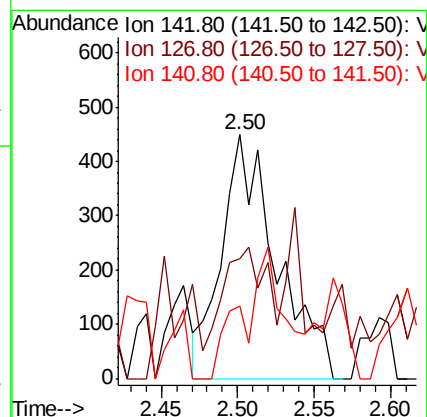
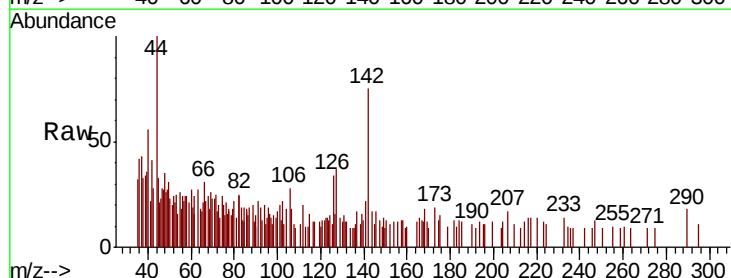
Tgt Ion: 142 Resp: 1117

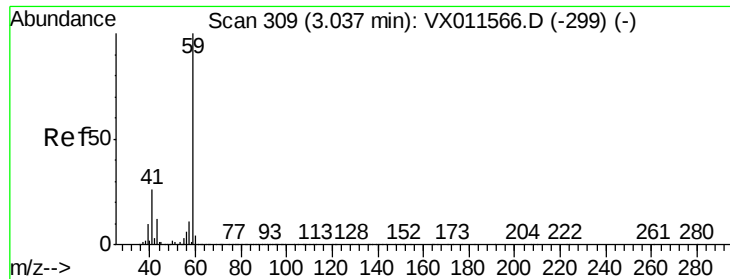
Ion Ratio Lower Upper

142 100

127 38.0 32.8 49.2

141 40.6 11.4 17.2#

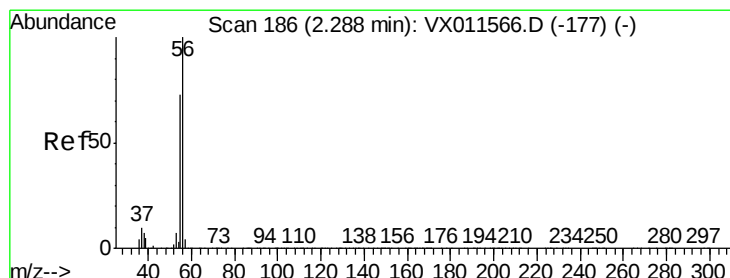
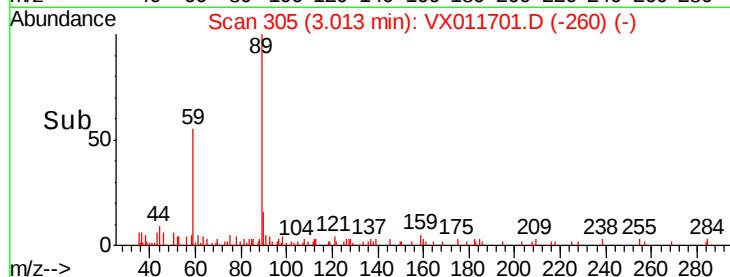
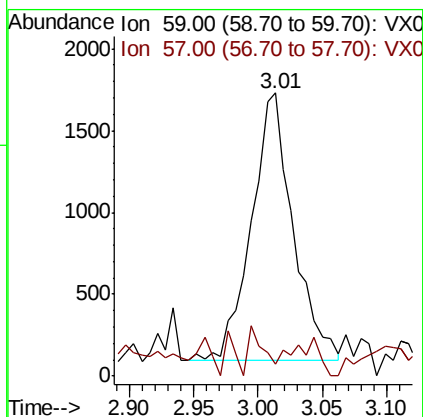
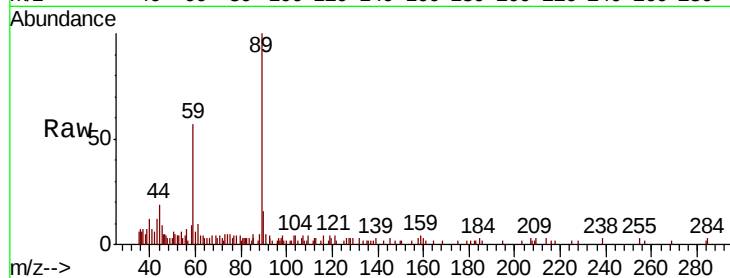




#11
Tert butyl alcohol
Concen: 4.114 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

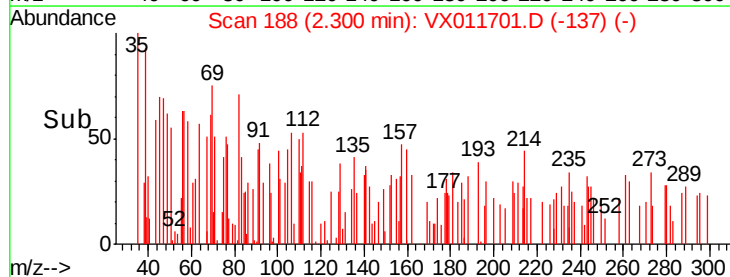
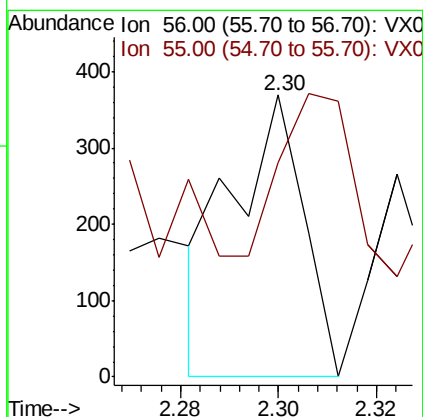
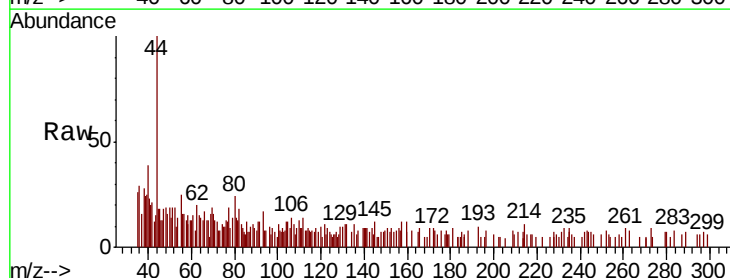
Instrument :
MSVOA_X
ClientSampleId :
T6-B-(2)

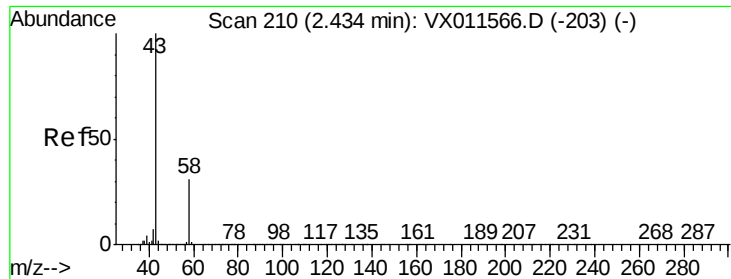
Tgt Ion: 59 Resp: 3658
Ion Ratio Lower Upper
59 100
57 7.1 8.7 13.1#



#13
Acrolein
Concen: 13.491 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

Tgt Ion: 56 Resp: 376
Ion Ratio Lower Upper
56 100
55 64.1 55.5 83.3





#16

Acetone

Concen: 5.505 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

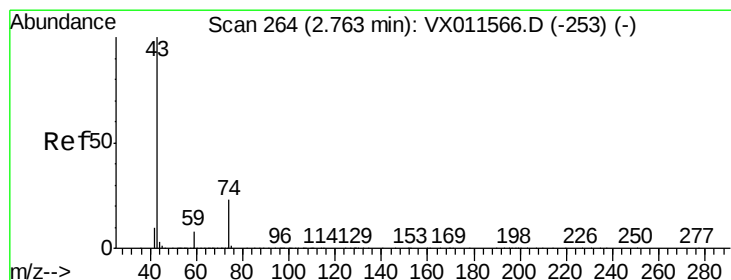
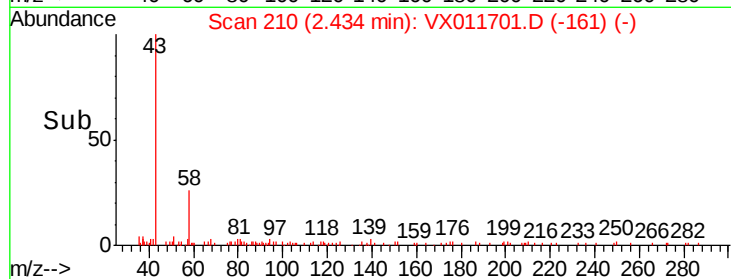
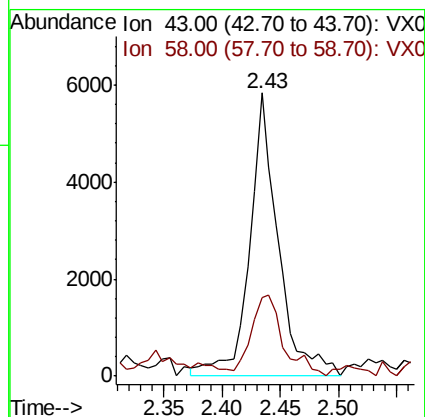
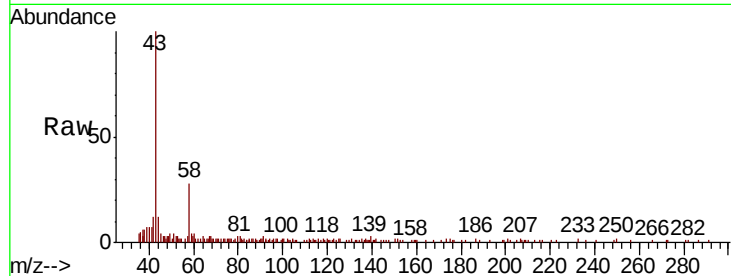
T6-B-(2)

Tgt Ion: 43 Resp: 10032

Ion Ratio Lower Upper

43 100

58 25.3 25.2 37.8



#18

Methyl Acetate

Concen: 0.490 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011701.D

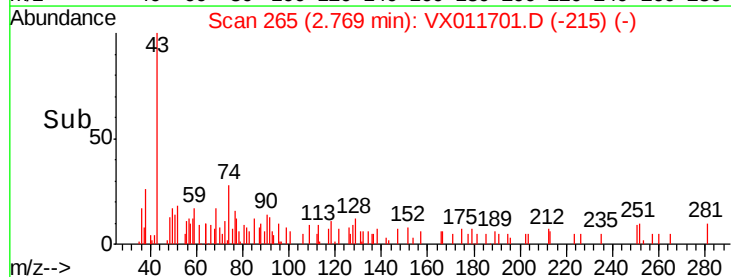
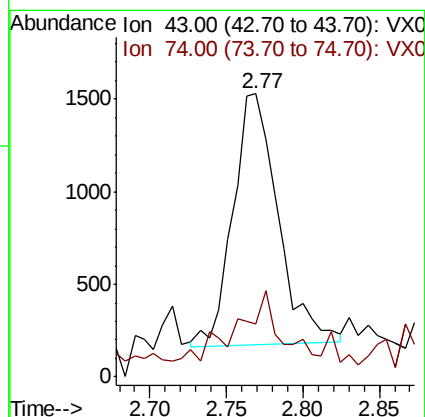
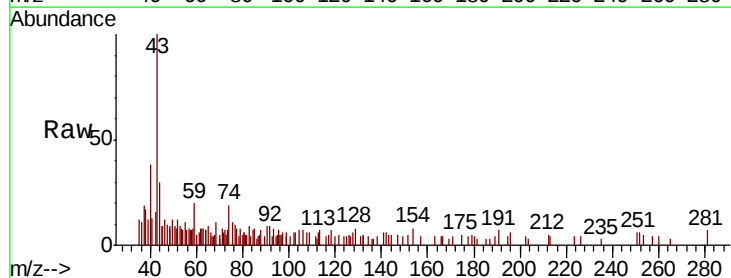
Acq: 20 Aug 2019 22:27

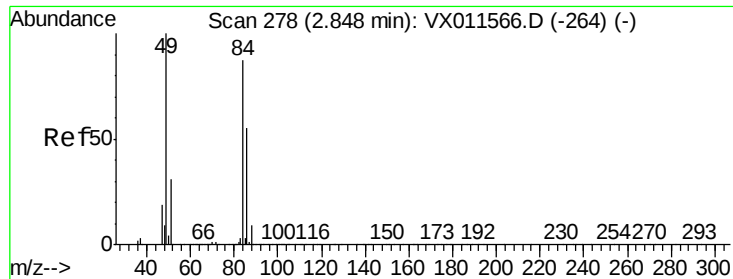
Tgt Ion: 43 Resp: 2772

Ion Ratio Lower Upper

43 100

74 25.6 19.7 29.5

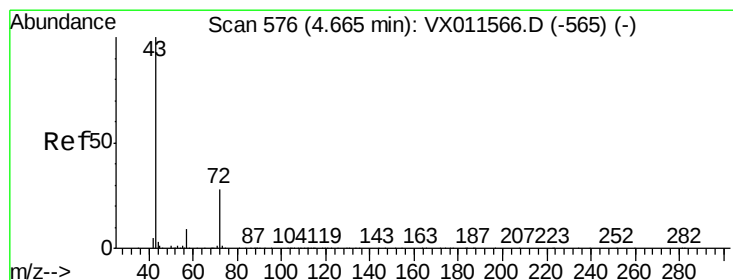
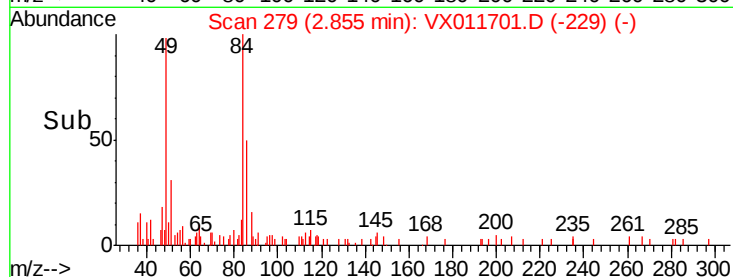
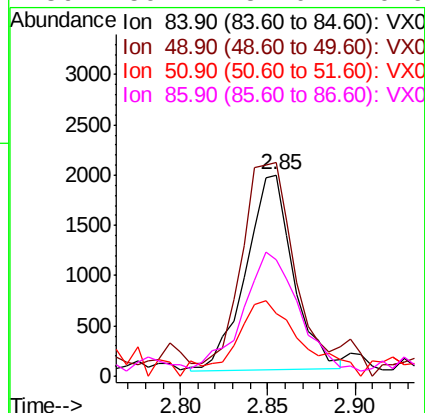
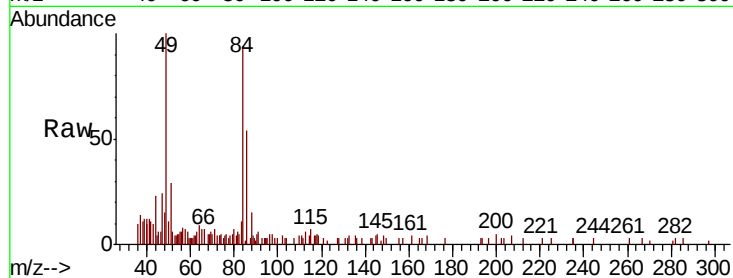




#20
Methylene Chloride
Concen: 0.963 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

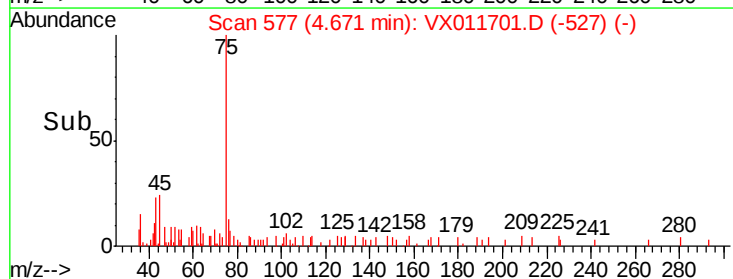
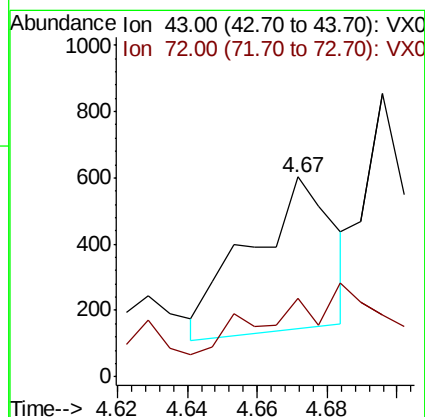
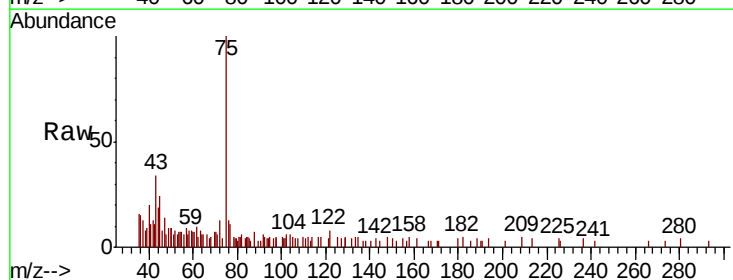
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T6-B-(2)

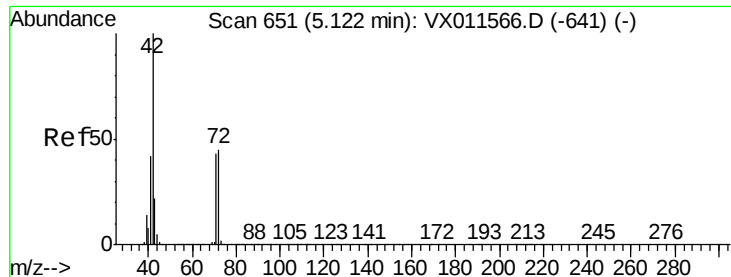
Tgt Ion:	84	Resp:	3683
Ion	Ratio	Lower	Upper
84	100		
49	109.8	92.4	138.6
51	25.4	28.5	42.7#
86	59.2	51.0	76.6



#25
2-Butanone
Concen: 0.266 ug/l
RT: 4.67 min Scan# 577
Delta R.T. 0.01 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

Tgt Ion:	43	Resp:	761
Ion	Ratio	Lower	Upper
43	100		
72	39.5	22.2	33.4#

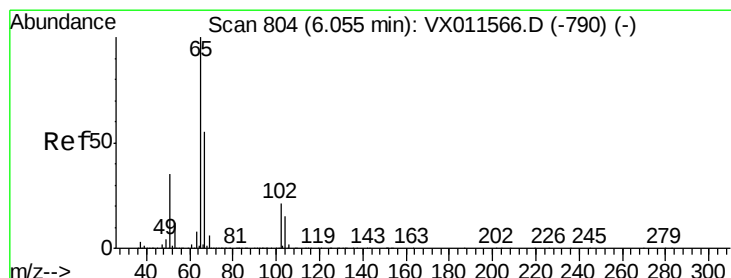
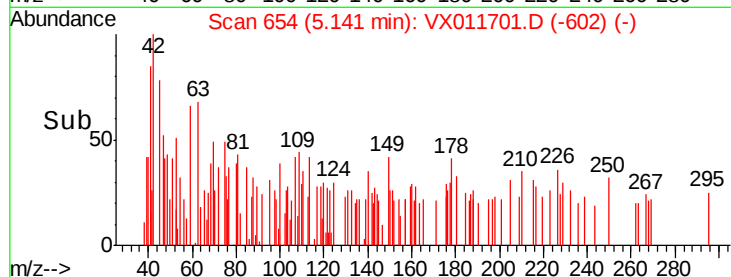
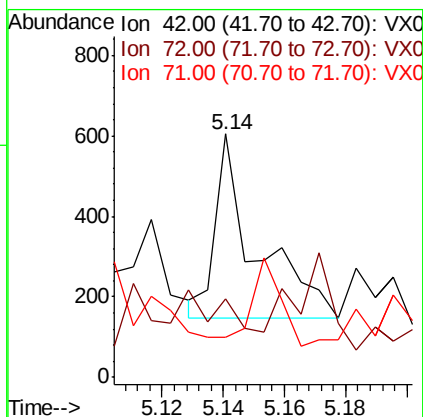
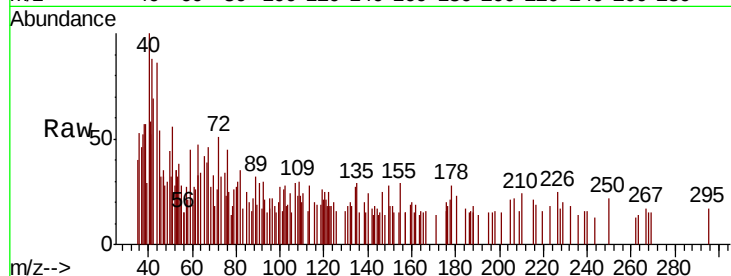




#29
Tetrahydrofuran
Concen: 0.225 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.02 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

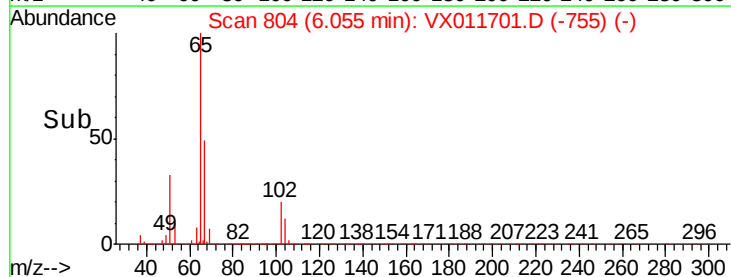
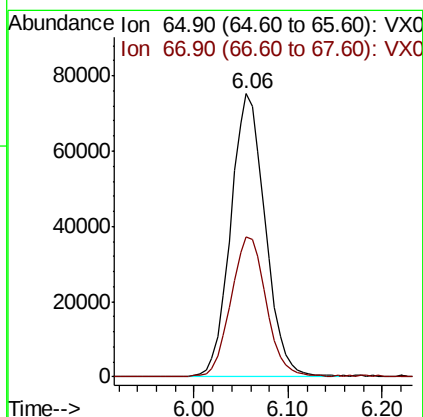
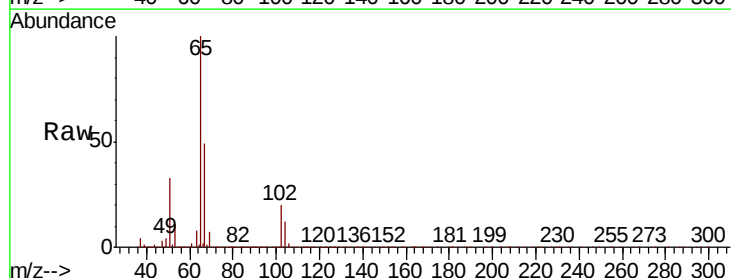
Instrument :
MSVOA_X
ClientSampled :
T6-B-(2)

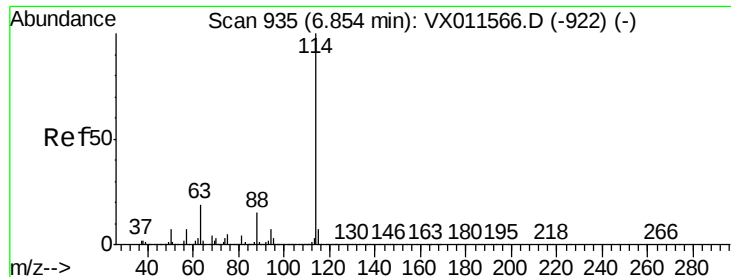
Tgt Ion: 42 Resp: 423
Ion Ratio Lower Upper
42 100
72 55.6 36.1 54.1#
71 0.0 33.8 50.8#



#33
1,2-Dichloroethane-d4
Concen: 52.724 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

Tgt Ion: 65 Resp: 191086
Ion Ratio Lower Upper
65 100
67 50.4 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

T6-B-(2)

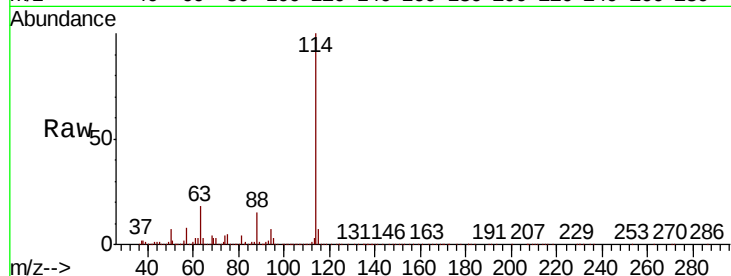
Tgt Ion:114 Resp: 536985

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.8

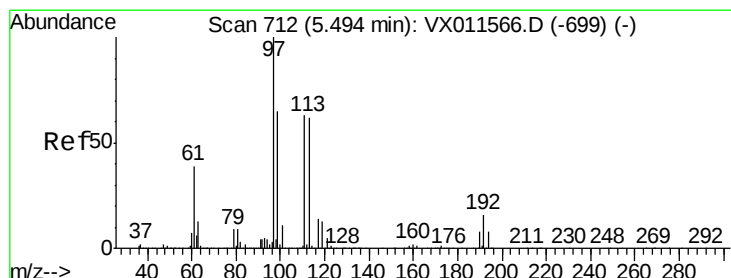
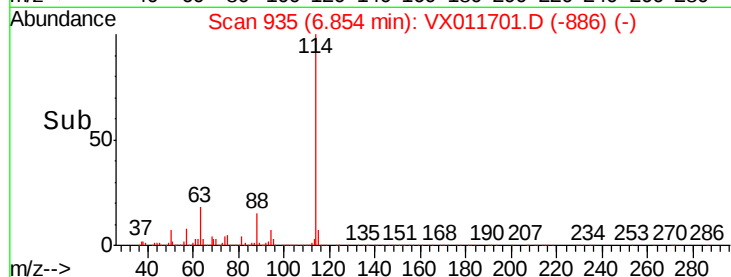
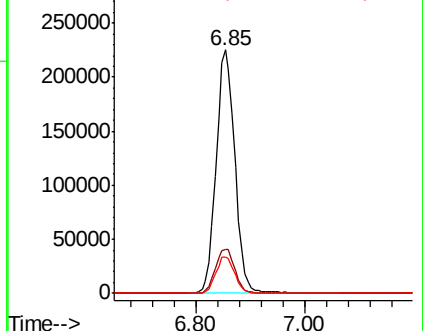
88 14.7 0.0 30.2



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: 46.787 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

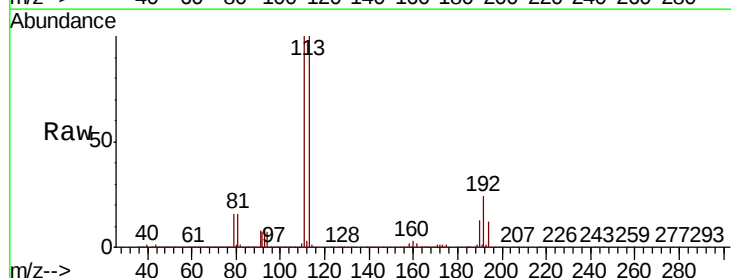
Tgt Ion:113 Resp: 164327

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

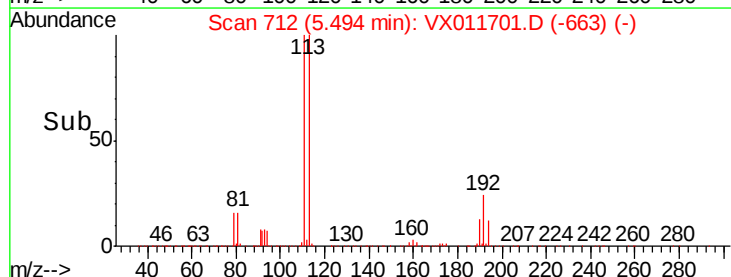
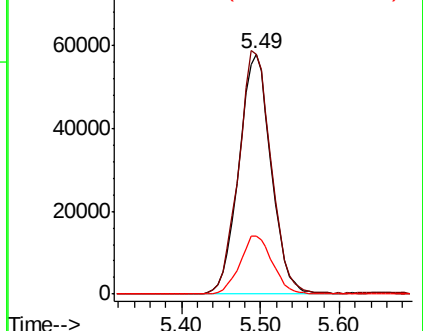
192 24.6 20.8 31.2

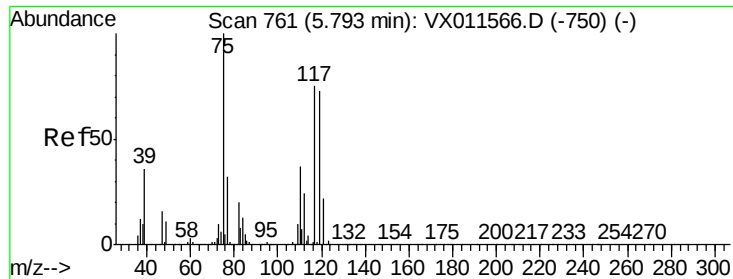


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

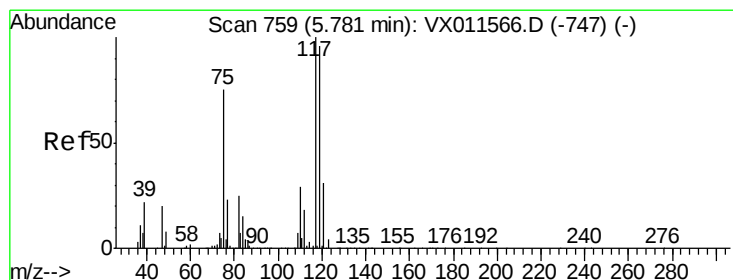
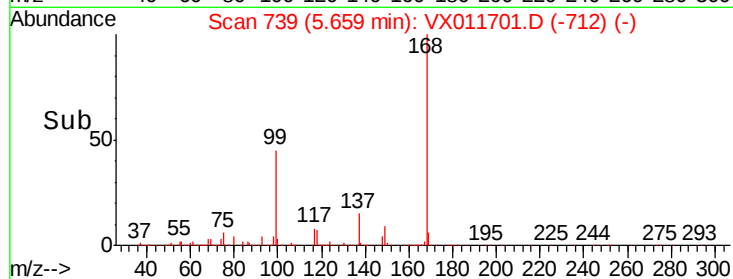
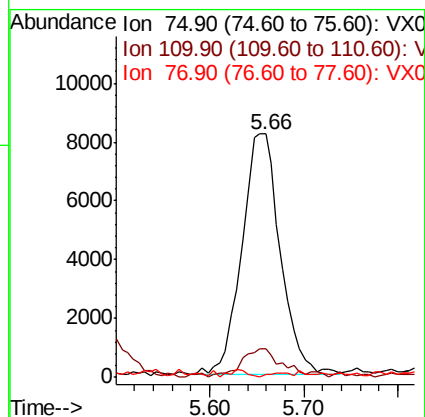
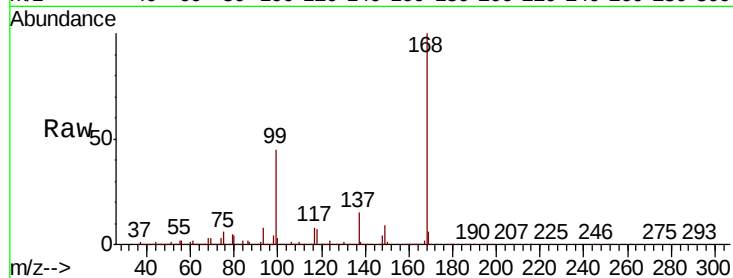




#36
 1,1-Dichloropropene
 Concen: 5.056 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011701.D
 Acq: 20 Aug 2019 22:27

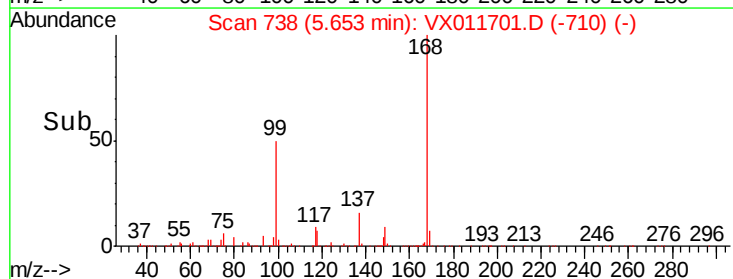
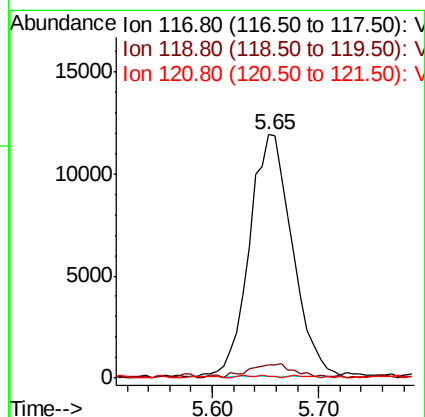
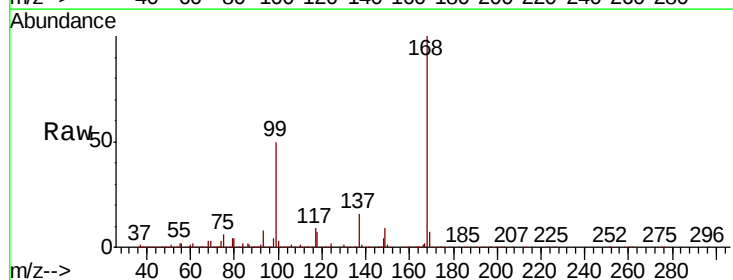
Instrument :
 MSVOA_X
 ClientSampled :
 T6-B-(2)

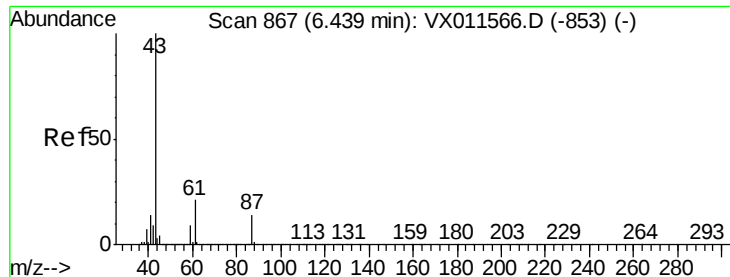
Tgt Ion: 75 Resp: 23211
 Ion Ratio Lower Upper
 75 100
 110 12.2 19.4 58.1#
 77 1.1 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.635 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011701.D
 Acq: 20 Aug 2019 22:27

Tgt Ion: 117 Resp: 33562
 Ion Ratio Lower Upper
 117 100
 119 4.0 76.9 115.3#
 121 0.3 24.8 37.2#





#43

Isopropyl Acetate

Concen: 6.968 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

T6-B-(2)

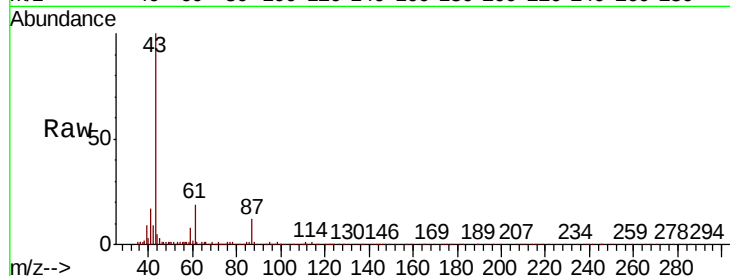
Tgt Ion: 43 Resp: 57422

Ion Ratio Lower Upper

43 100

61 19.5 16.6 24.8

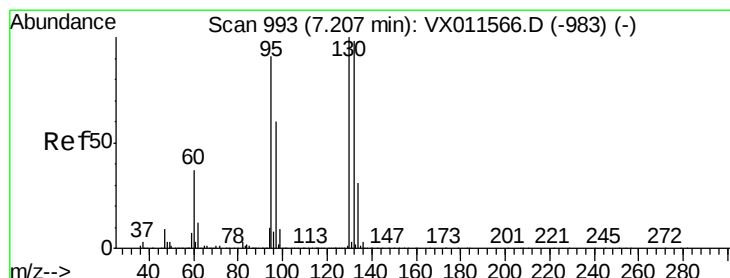
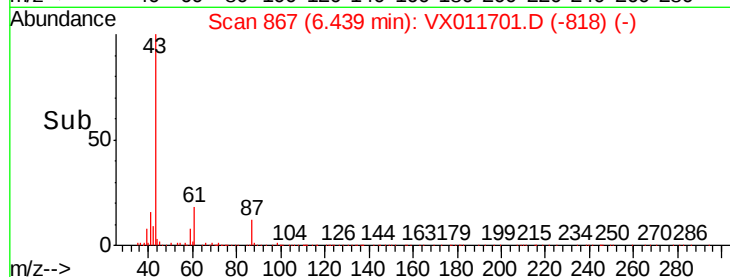
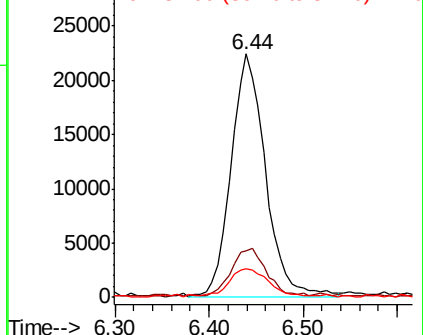
87 13.4 11.4 17.2



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



#44

Trichloroethene

Concen: 0.388 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX011701.D

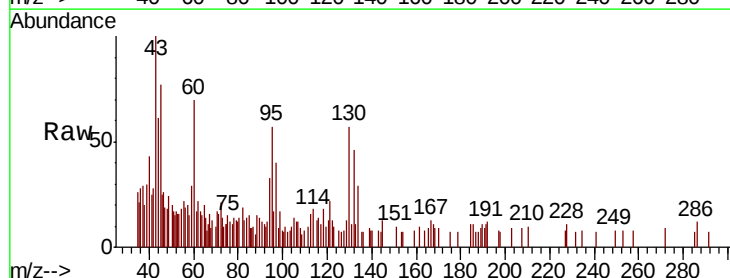
Acq: 20 Aug 2019 22:27

Tgt Ion: 130 Resp: 1642

Ion Ratio Lower Upper

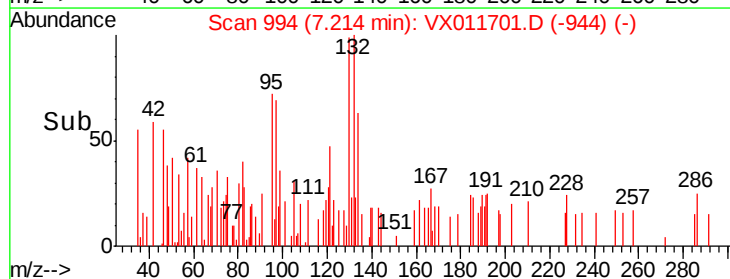
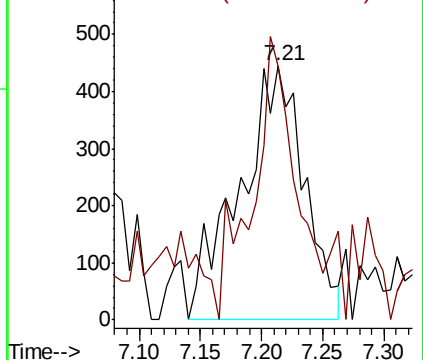
130 100

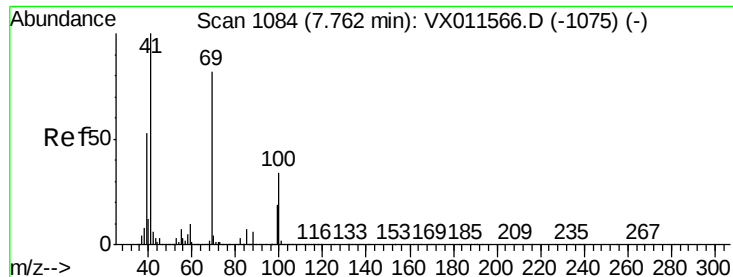
95 79.6 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

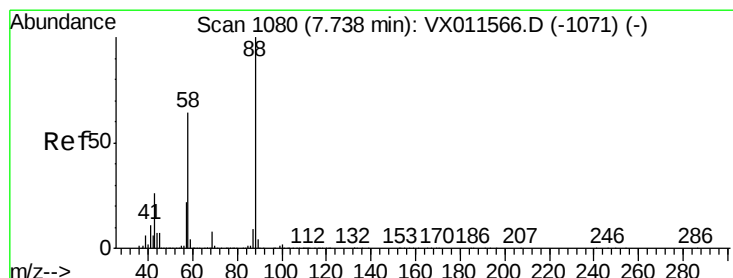
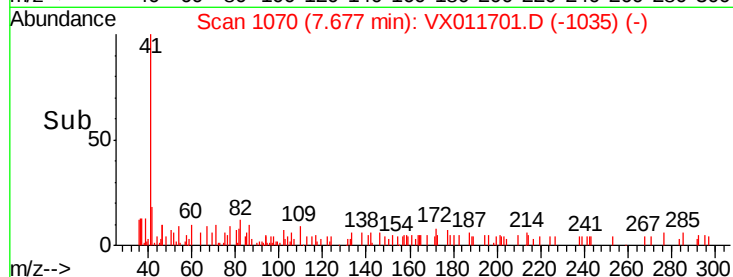
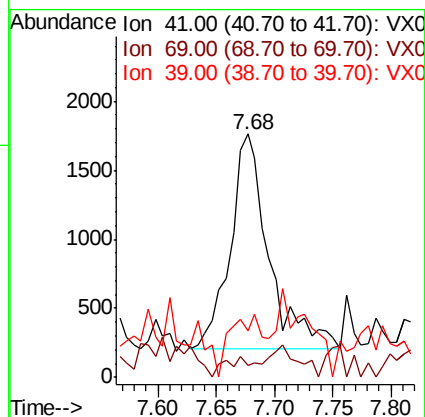
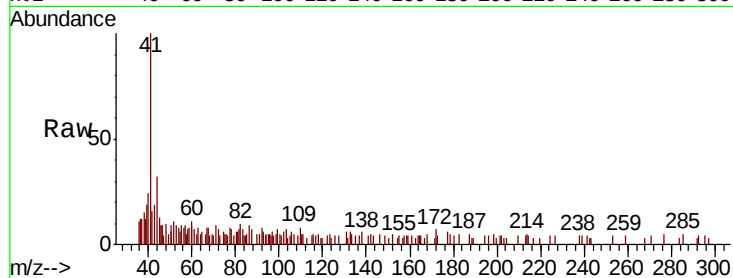




#48
Methyl methacrylate
Concen: 0.884 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

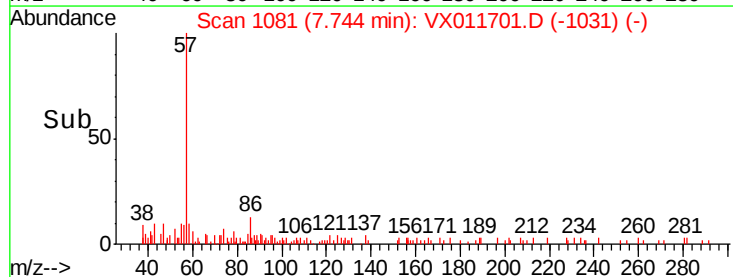
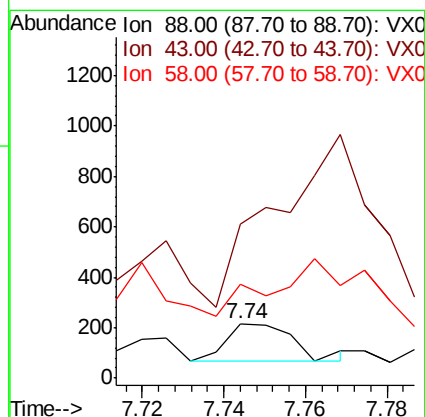
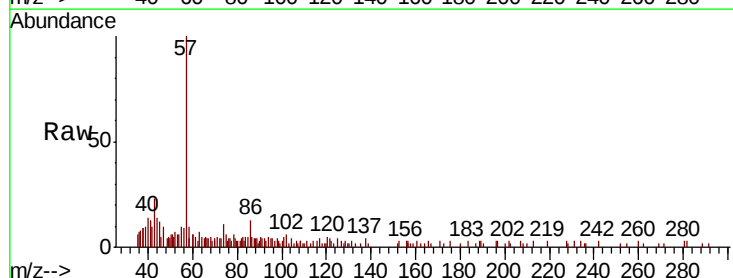
Instrument :
MSVOA_X
ClientSampleId :
T6-B-(2)

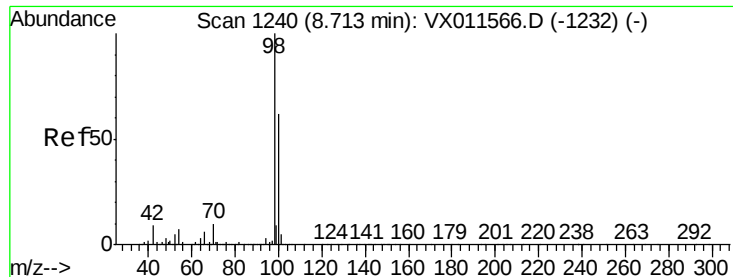
Tgt Ion: 41 Resp: 3609
Ion Ratio Lower Upper
41 100
69 3.1 67.9 101.9#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 1.594 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

Tgt Ion: 88 Resp: 173
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 624.3 54.3 81.5#

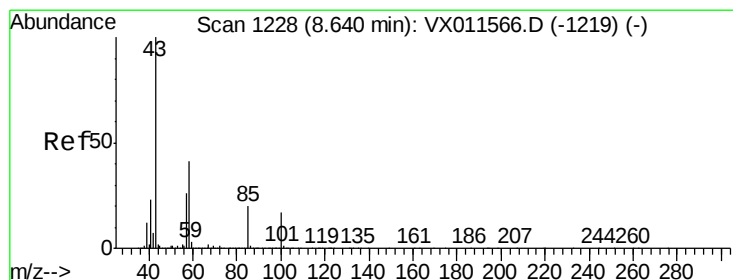
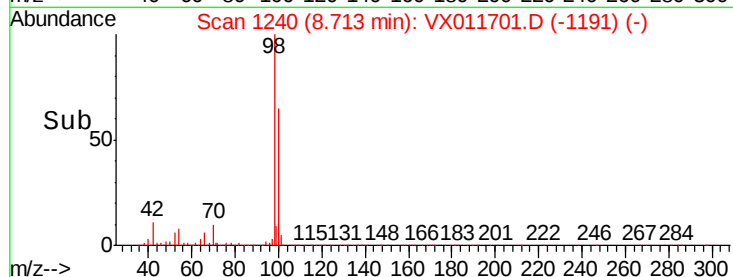
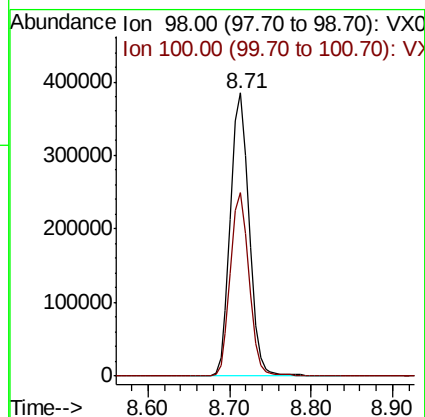
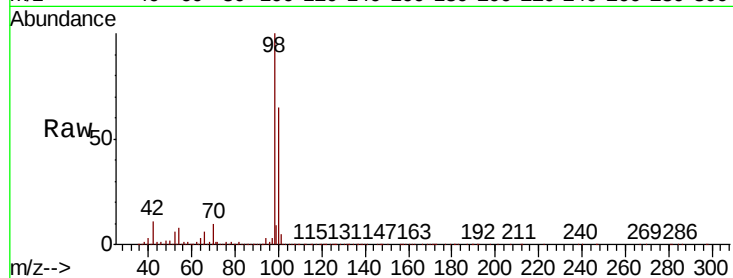




#50
Toluene-d8
Concen: 55.679 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

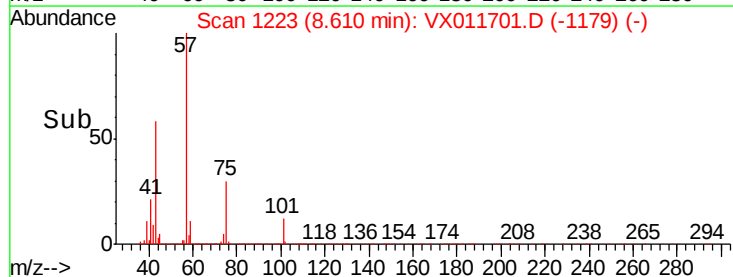
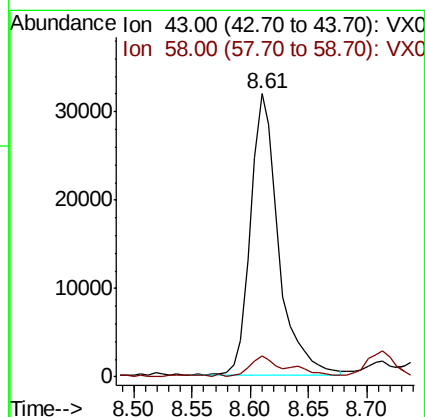
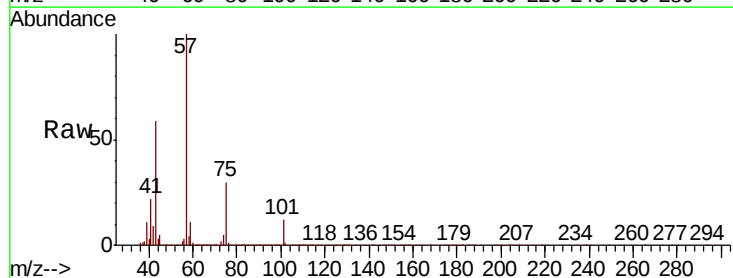
Instrument :
MSVOA_X
ClientSampleId :
T6-B-(2)

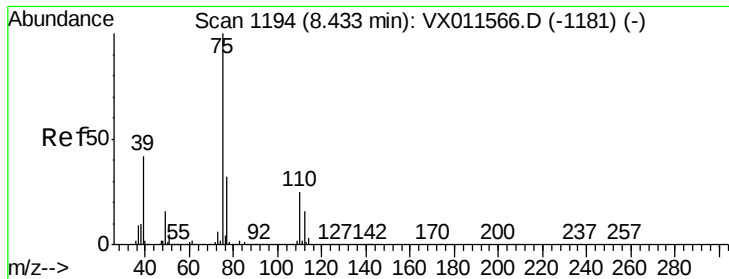
Tgt Ion: 98 Resp: 609329
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 9.956 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

Tgt Ion: 43 Resp: 53702
Ion Ratio Lower Upper
43 100
58 6.1 31.8 47.6#

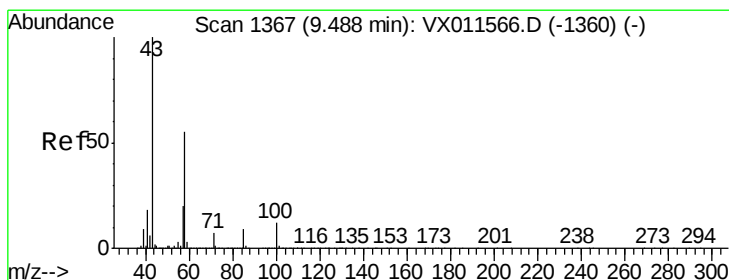
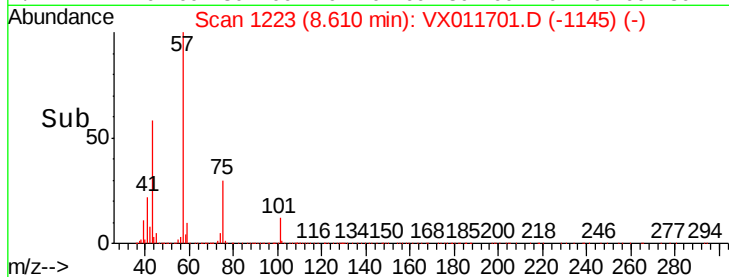
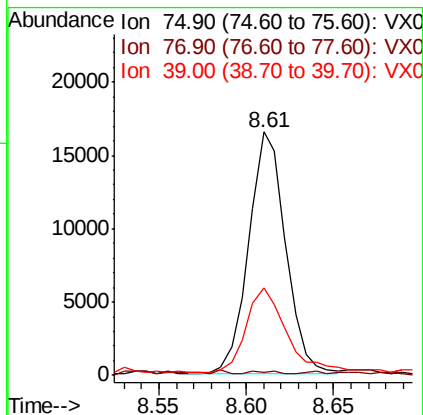
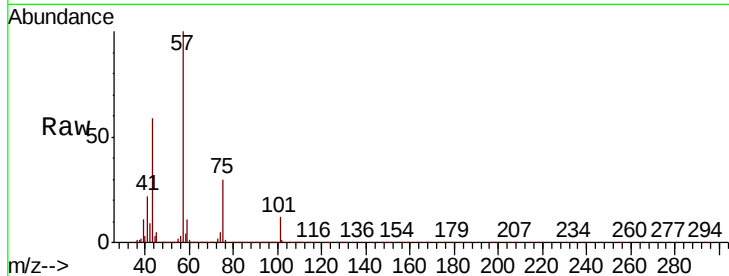




#54
 cis-1,3-Dichloropropene
 Concen: 4.476 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011701.D
 Acq: 20 Aug 2019 22:27

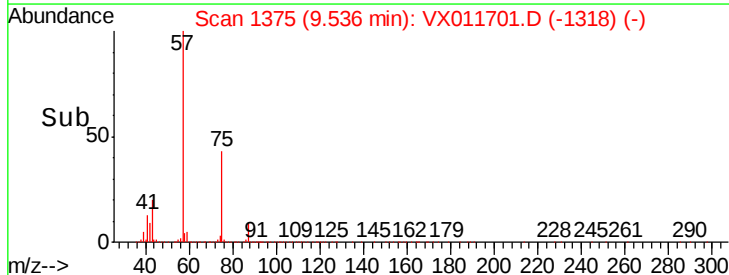
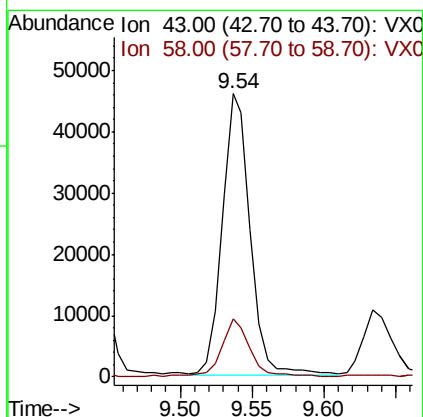
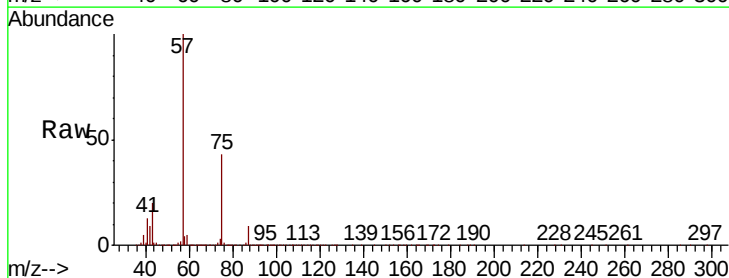
Instrument :
 MSVOA_X
 ClientSampleId :
 T6-B-(2)

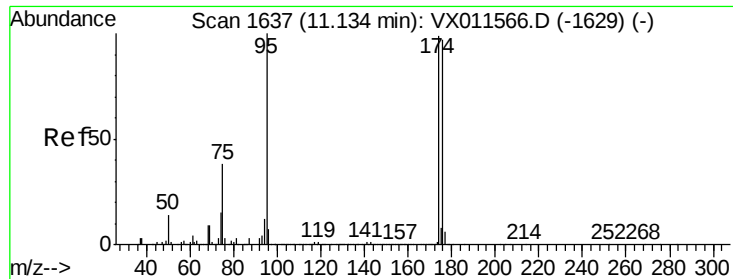
Tgt Ion: 75 Resp: 24134
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 35.2 33.6 50.4



#59
 2-Hexanone
 Concen: 15.009 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011701.D
 Acq: 20 Aug 2019 22:27

Tgt Ion: 43 Resp: 62433
 Ion Ratio Lower Upper
 43 100
 58 20.7 27.5 82.4#

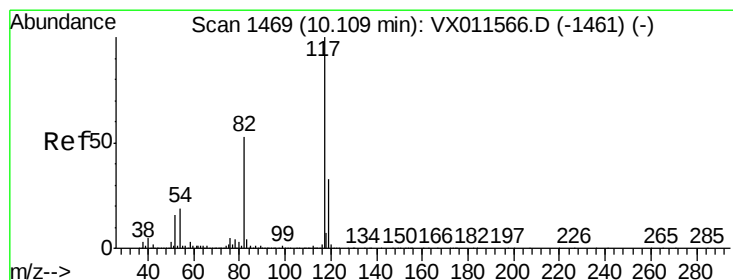
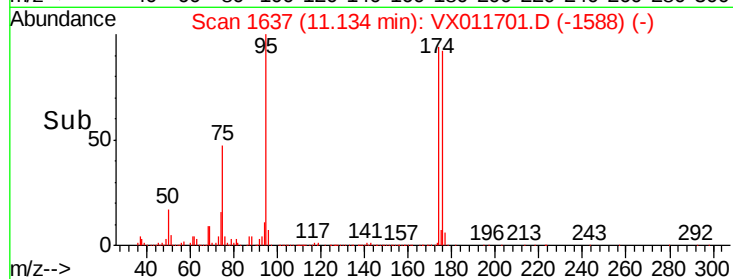
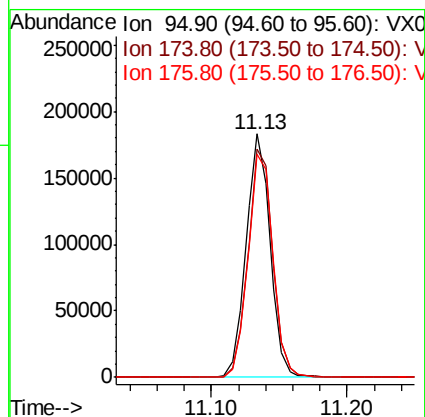
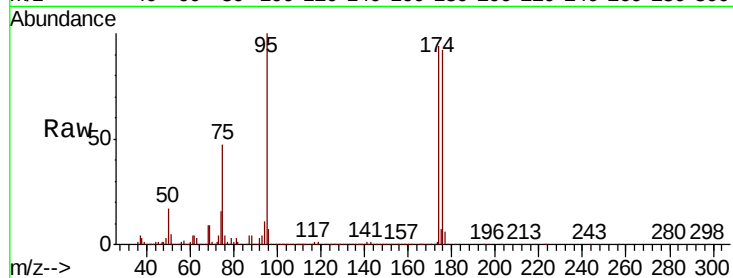




#62
4-Bromofluorobenzene
Concen: 48.617 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

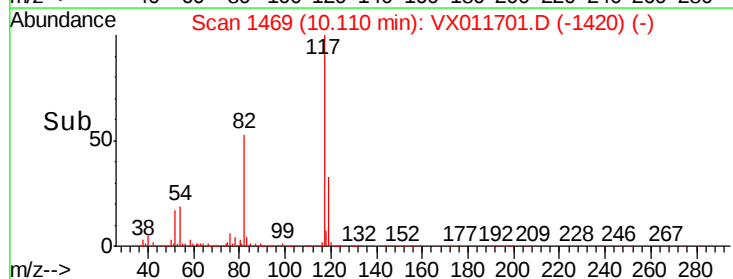
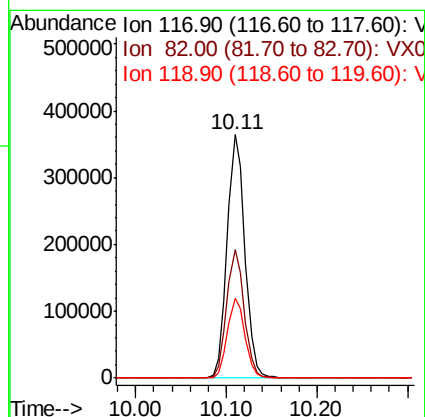
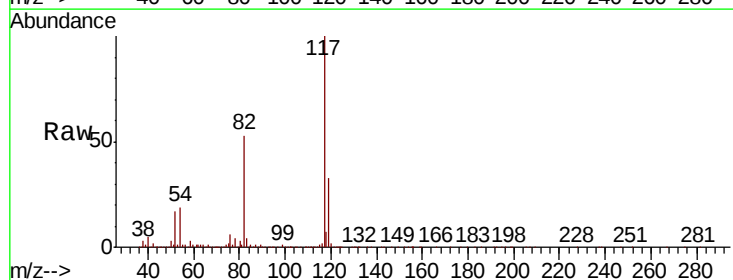
Instrument :
MSVOA_X
ClientSampleId :
T6-B-(2)

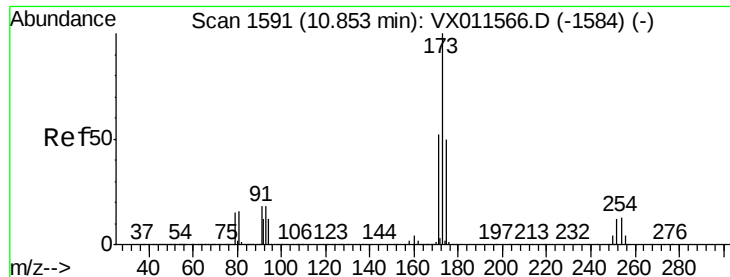
Tgt Ion: 95 Resp: 224569
Ion Ratio Lower Upper
95 100
174 97.5 0.0 200.6
176 96.2 0.0 196.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011701.D
Acq: 20 Aug 2019 22:27

Tgt Ion: 117 Resp: 497226
Ion Ratio Lower Upper
117 100
82 52.7 42.0 63.0
119 32.7 26.5 39.7





#71

Bromoform

Concen: 3.312 ug/l

RT: 10.87 min Scan# 1594

Delta R.T. 0.02 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampled :

T6-B-(2)

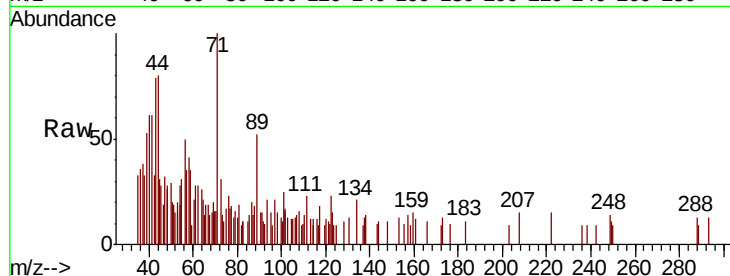
Tgt Ion:173 Resp: 83

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

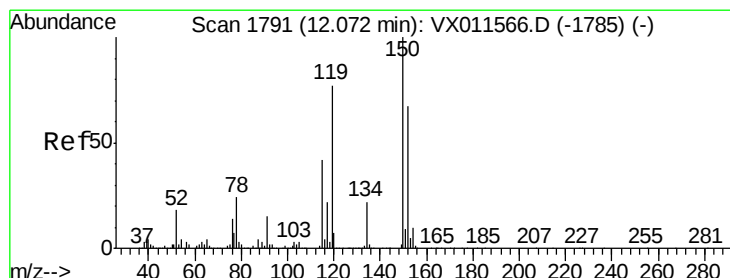
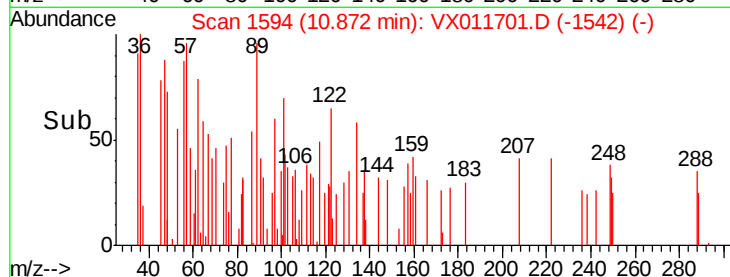
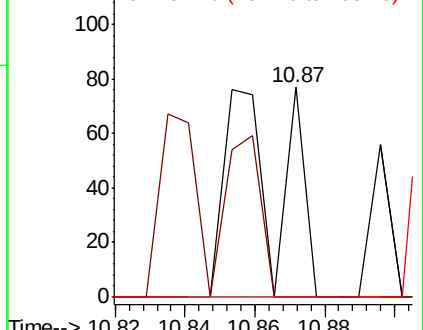
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

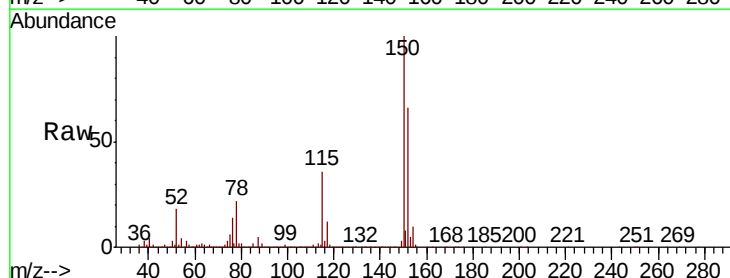
Tgt Ion:152 Resp: 246853

Ion Ratio Lower Upper

152 100

115 52.9 37.3 111.9

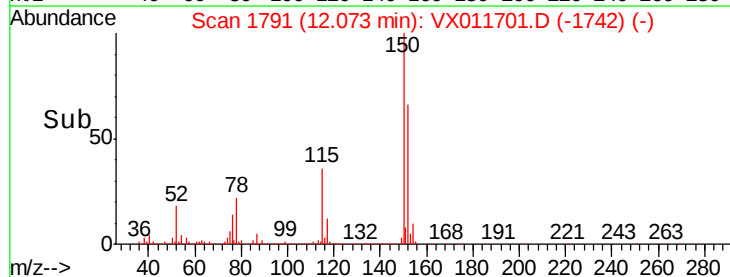
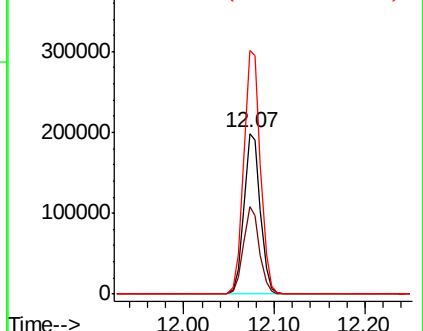
150 154.6 0.0 346.2

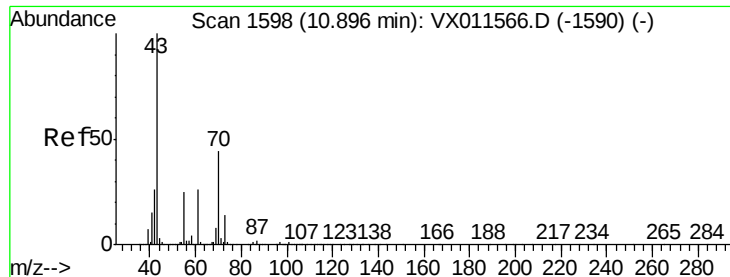


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.369 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

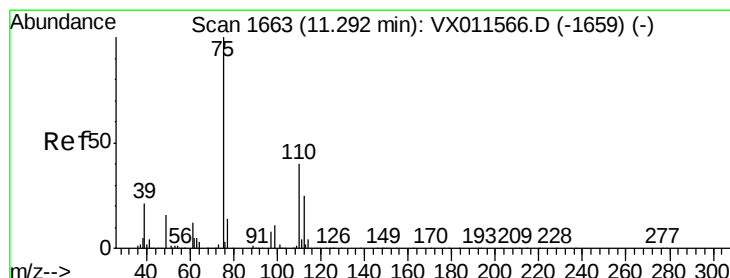
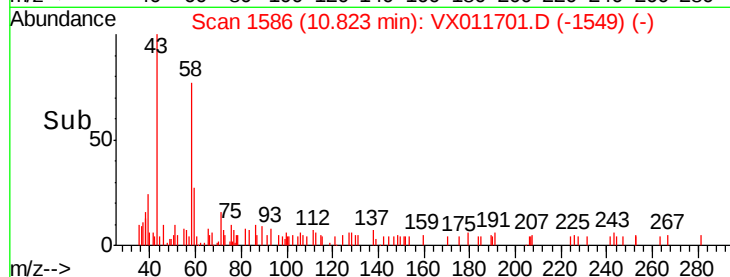
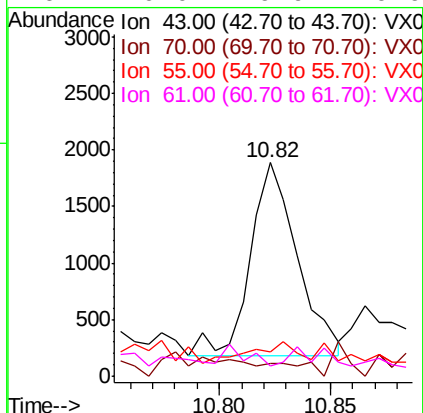
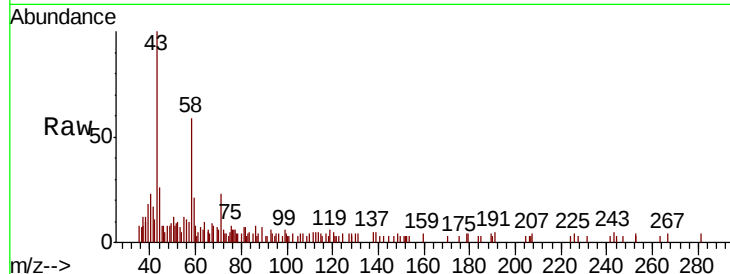
Instrument :

MSVOA_X

ClientSampleId :

T6-B-(2)

Tgt Ion:	43	Resp:	2514
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.7	52.1#
55	7.0	19.6	29.4#
61	0.0	19.9	29.9#



#76

1,2,3-Trichloropropane

Concen: 23.051 ug/l

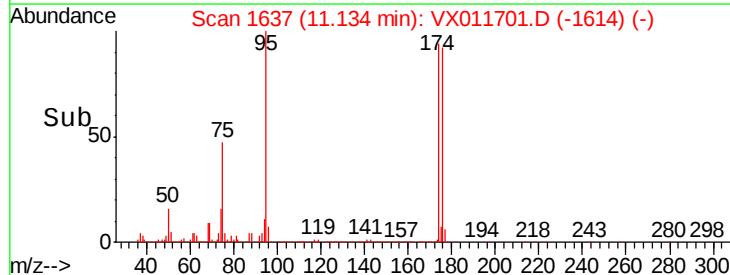
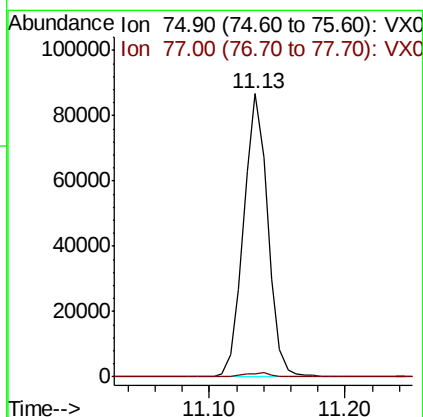
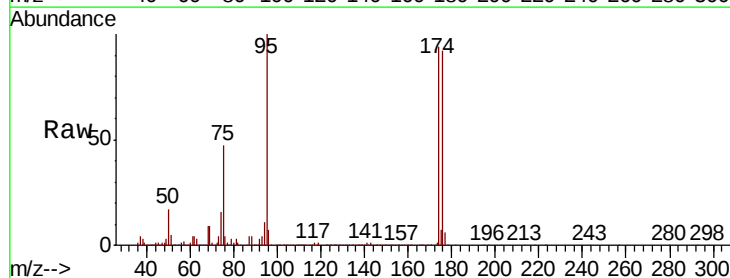
RT: 11.13 min Scan# 1637

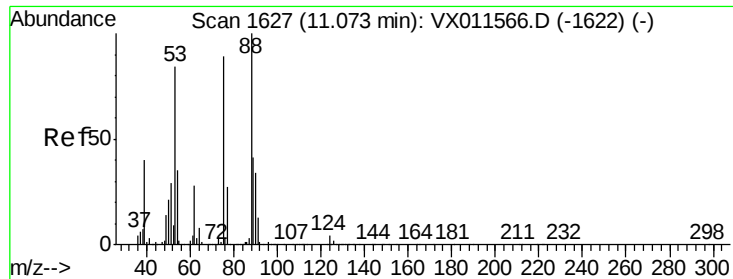
Delta R.T. -0.16 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

Tgt Ion:	75	Resp:	107899
Ion	Ratio	Lower	Upper
75	100		
77	1.5	20.9	62.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.327 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011701.D

Acq: 20 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

T6-B-(2)

Tgt Ion: 75 Resp: 107899

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.1 37.3 55.9#

