

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX082019\
 Data File : VX011702.D
 Acq On : 20 Aug 2019 22:51
 Operator : JC/SP
 Sample : K4387-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-C-(0)

Quant Time: Aug 21 00:55:31 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	373154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	519315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	471543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231070	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	186052	53.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.52%	
35) Dibromofluoromethane	5.49	113	156472	46.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.14%	
50) Toluene-d8	8.71	98	608490	57.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.98%	
62) 4-Bromofluorobenzene	11.13	95	198398	44.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.82%	

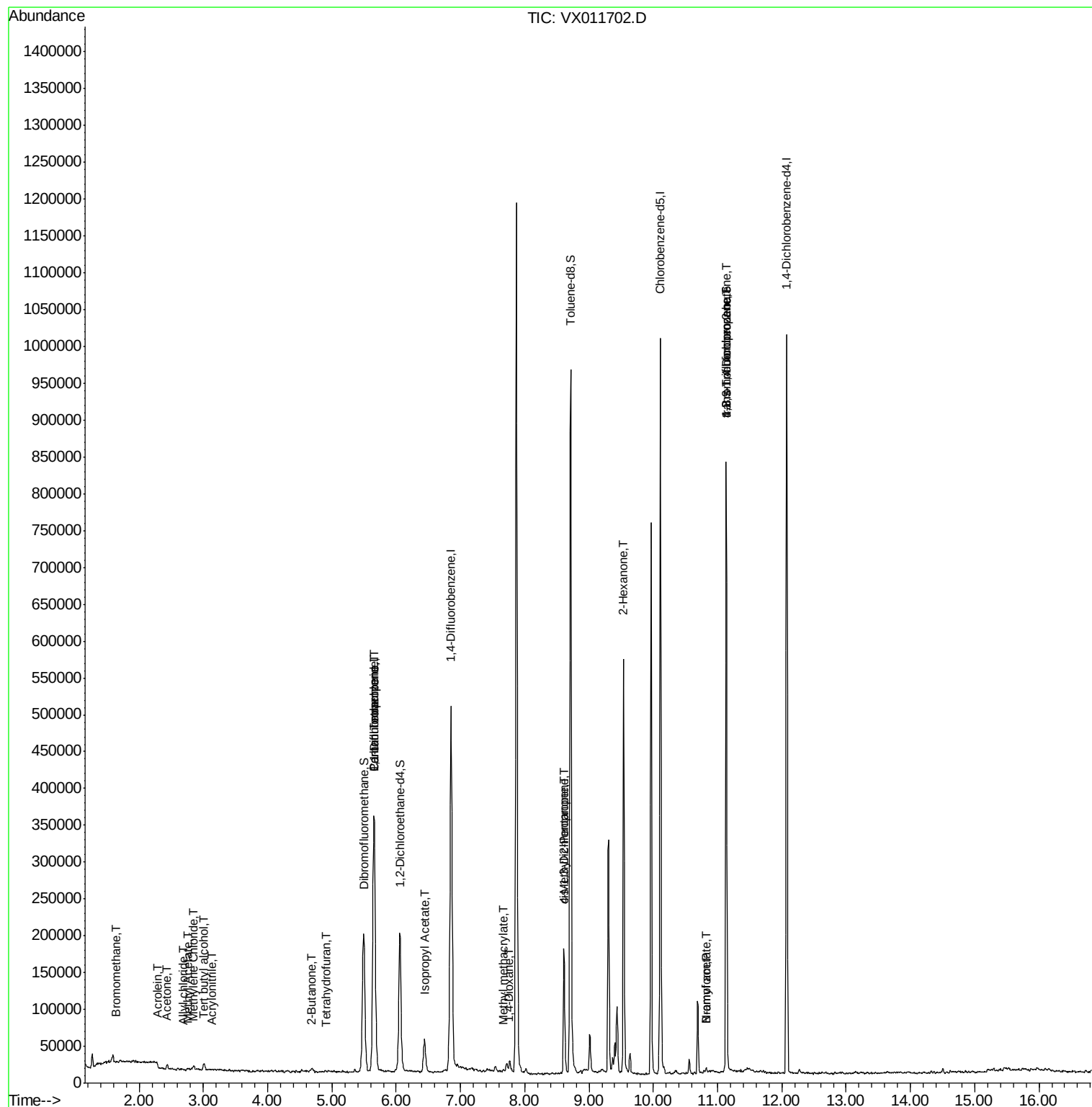
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	395	0.256	ug/l #	21
11) Tert butyl alcohol	3.01	59	5754	6.778	ug/l #	91
13) Acrolein	2.29	56	249	13.091	ug/l	84
14) Allyl chloride	2.70	41	1126	0.213	ug/l #	43
15) Acrylonitrile	3.14	53	405	0.208	ug/l #	30
16) Acetone	2.43	43	7011	4.029	ug/l #	86
18) Methyl Acetate	2.76	43	2148	0.398	ug/l #	28
20) Methylene Chloride	2.85	84	2967	0.812	ug/l	90
25) 2-Butanone	4.67	43	1449	0.530	ug/l #	68
29) Tetrahydrofuran	4.92	42	415	0.232	ug/l	96
36) 1,1-Dichloropropene	5.66	75	22234	5.008	ug/l #	51
38) Carbon Tetrachloride	5.65	117	31800	6.501	ug/l #	16
43) Isopropyl Acetate	6.44	43	60065	7.536	ug/l	98
48) Methyl methacrylate	7.68	41	3815	0.967	ug/l #	22
49) 1,4-Dioxane	7.74	88	147	1.400	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	57812	11.082	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	28103	5.389	ug/l #	64
59) 2-Hexanone	9.54	43	67374	16.748	ug/l #	50
71) Bromoform	10.83	173	132	3.325	ug/l #	28
74) N-amyl acetate	10.82	43	2940	0.461	ug/l #	45
76) 1,2,3-Trichloropropane	11.13	75	95659	21.832	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	95659	58.321	ug/l #	11

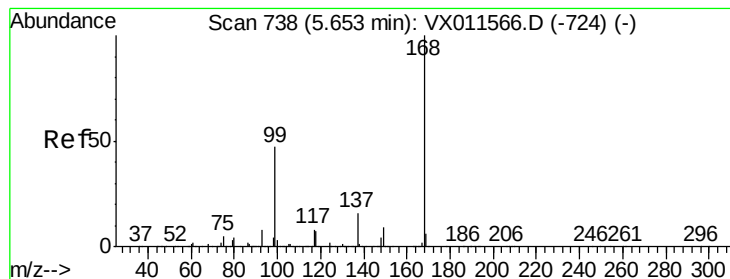
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
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Instrument :
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ClientSampled :
T6-C-(0)

Quant Time: Aug 21 00:55:31 2019
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: VX011702.D

Acq: 20 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampled :

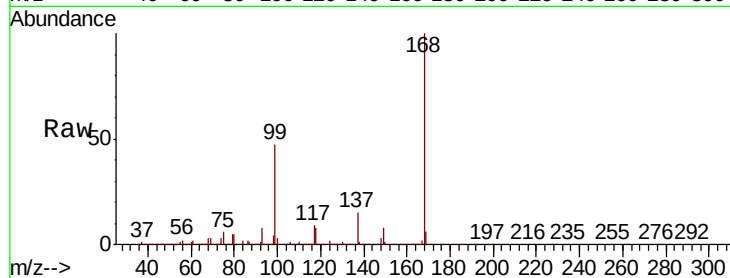
T6-C-(0)

Tgt Ion:168 Resp: 373154

Ion Ratio Lower Upper

168 100

99 47.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

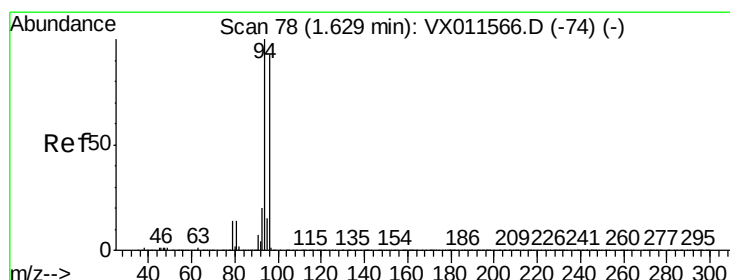
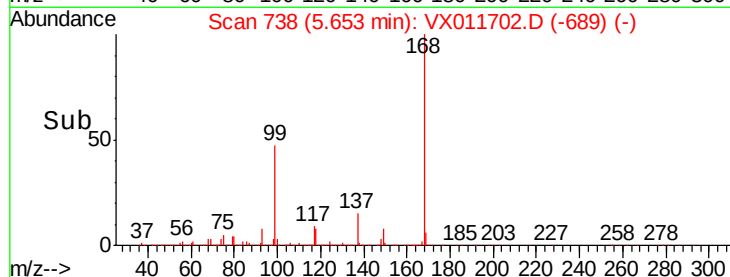
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011702.D

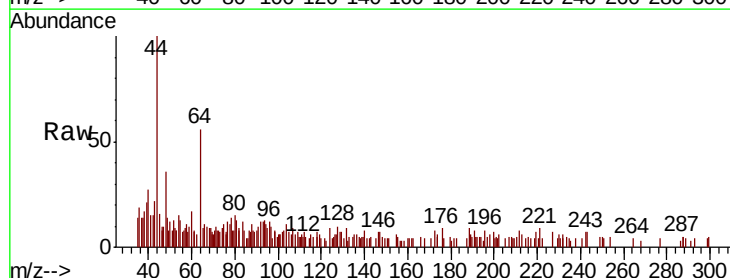
Acq: 20 Aug 2019 22:51

Tgt Ion: 94 Resp: 395

Ion Ratio Lower Upper

94 100

96 17.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

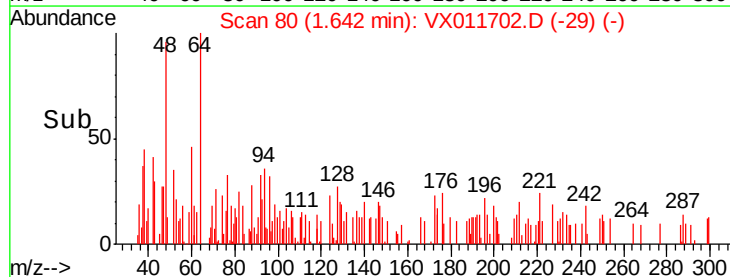
300

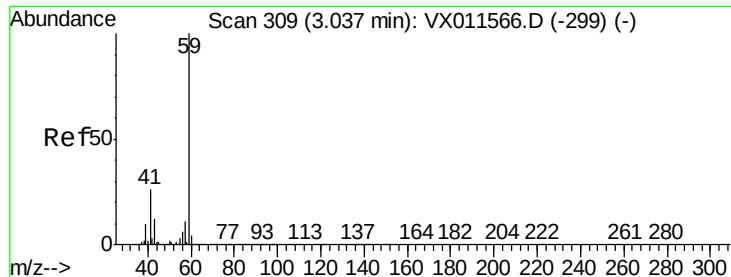
200

100

0

Time-->



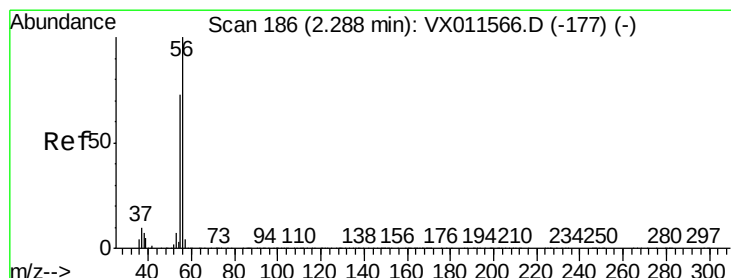
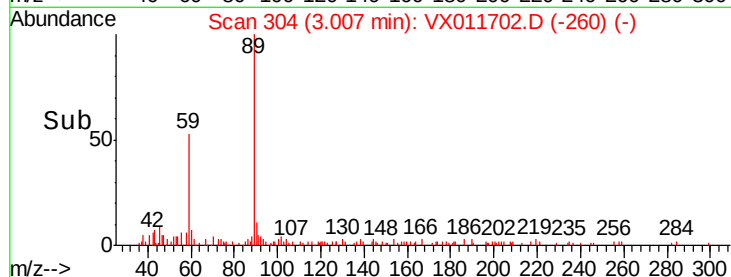
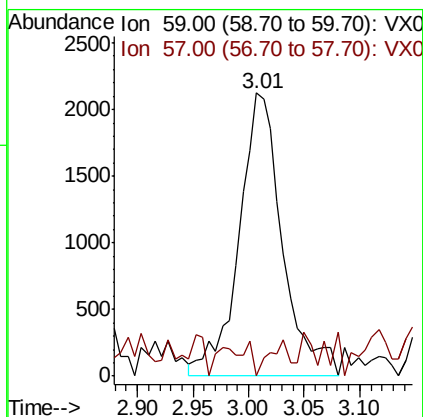
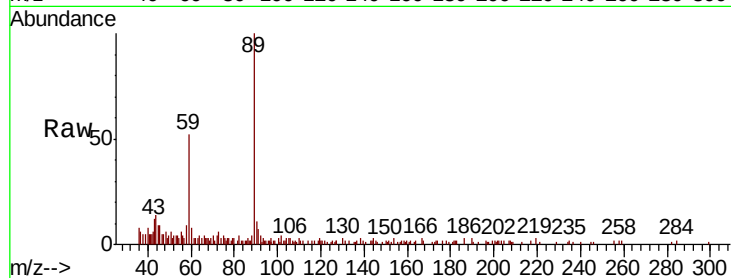


#11

Tert butyl alcohol
 Concen: 6.778 ug/l
 RT: 3.01 min Scan# 304
 Delta R.T. -0.03 min
 Lab File: VX011702.D
 Acq: 20 Aug 2019 22:51

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-C-(0)

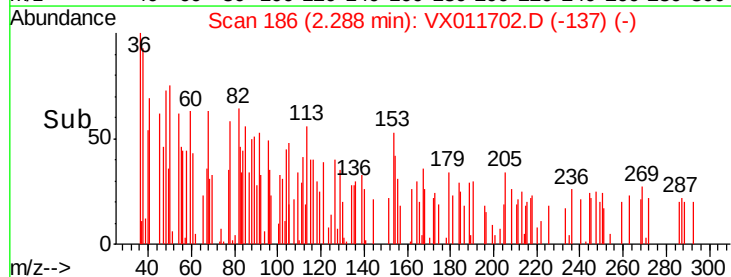
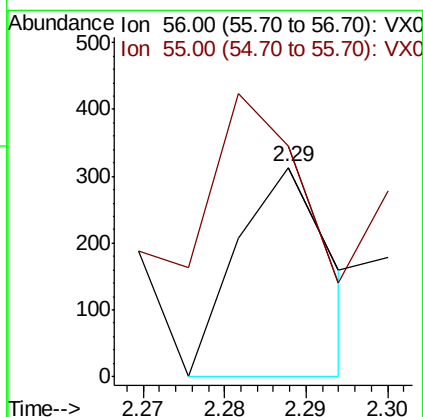
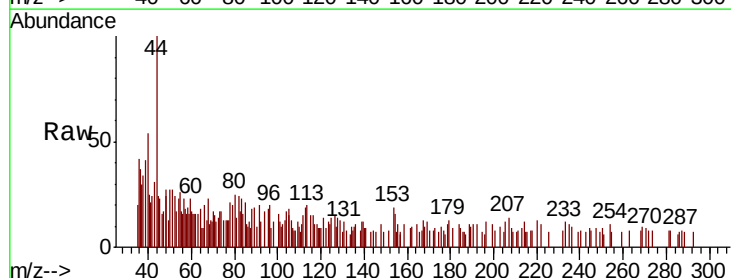
Tgt Ion: 59 Resp: 5754
 Ion Ratio Lower Upper
 59 100
 57 7.4 8.7 13.1#

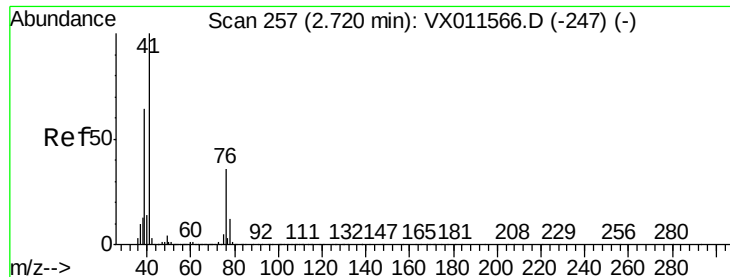


#13

Acrolein
 Concen: 13.091 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VX011702.D
 Acq: 20 Aug 2019 22:51

Tgt Ion: 56 Resp: 249
 Ion Ratio Lower Upper
 56 100
 55 82.3 55.5 83.3

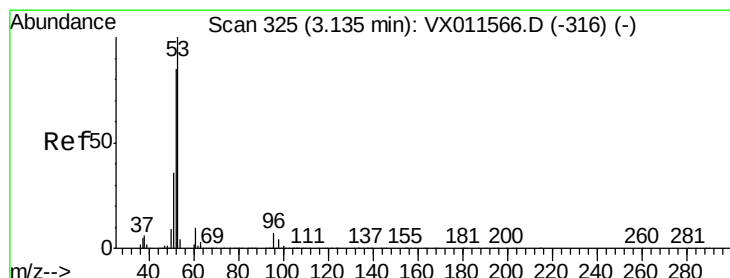
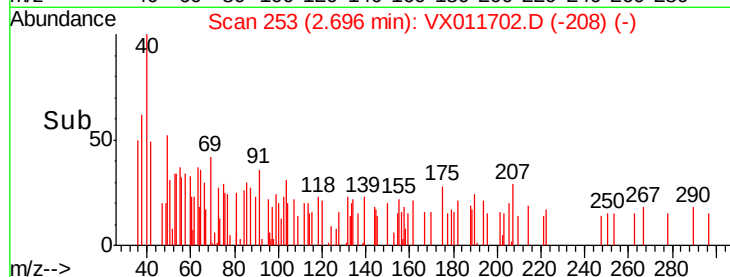
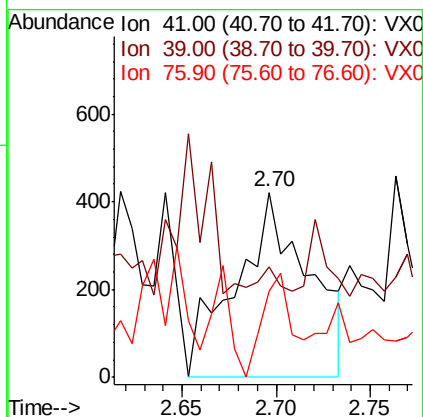
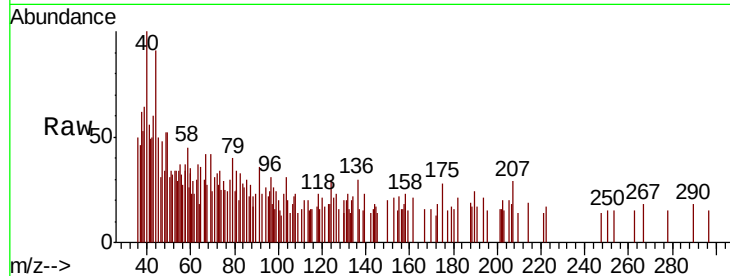




#14
 Allyl chloride
 Concen: 0.213 ug/l
 RT: 2.70 min Scan# 253
 Delta R.T. -0.02 min
 Lab File: VX011702.D
 Acq: 20 Aug 2019 22:51

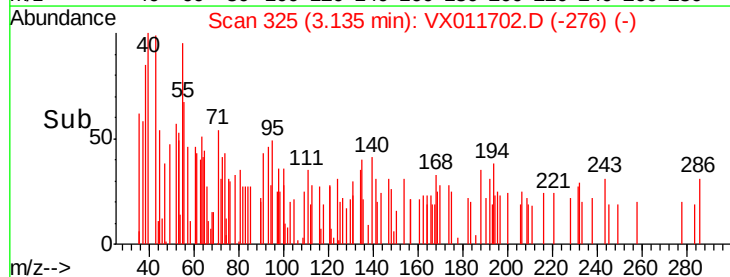
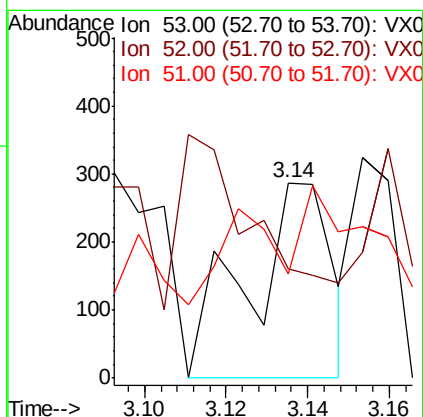
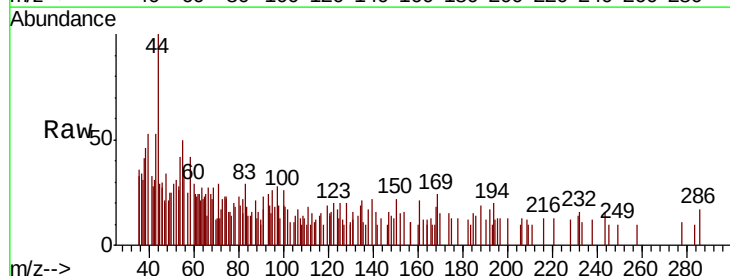
Instrument :
 MSVOA_X
 ClientSampled :
 T6-C-(0)

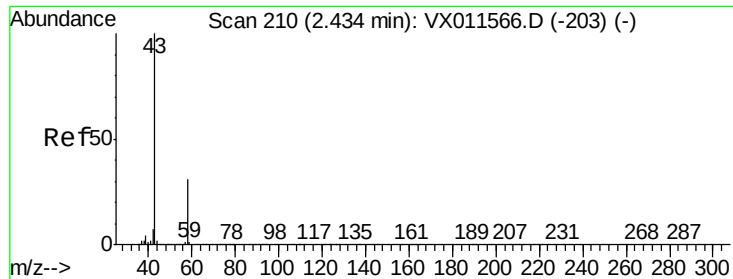
Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
76	23.1	26.3	39.5#



#15
 Acrylonitrile
 Concen: 0.208 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VX011702.D
 Acq: 20 Aug 2019 22:51

Tgt Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.7	100.1#
51	47.2	28.7	43.1#

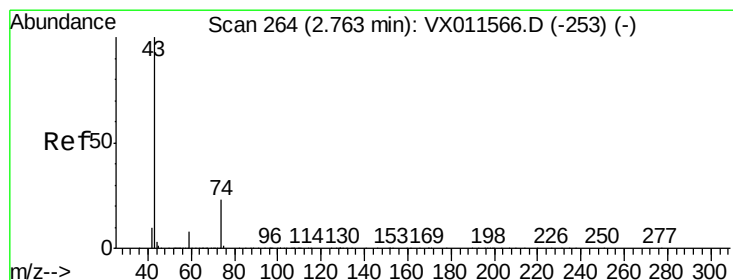
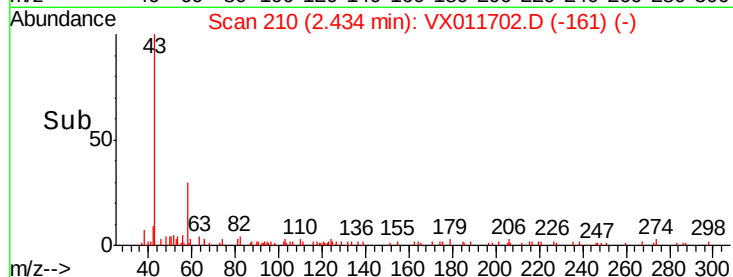
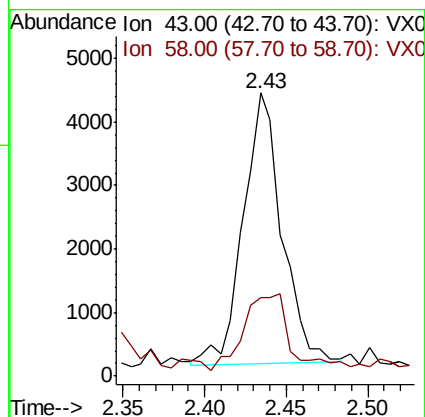
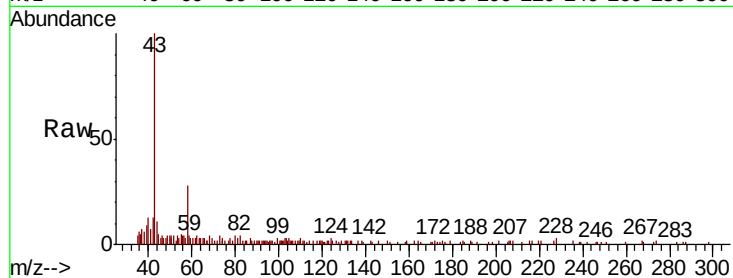




#16
Acetone
Concen: 4.029 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011702.D
Acq: 20 Aug 2019 22:51

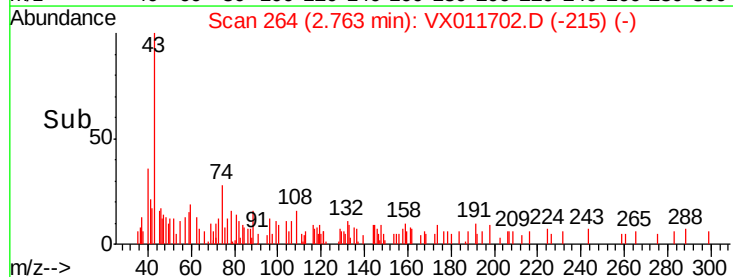
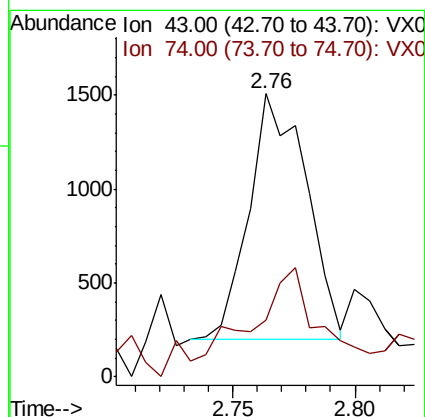
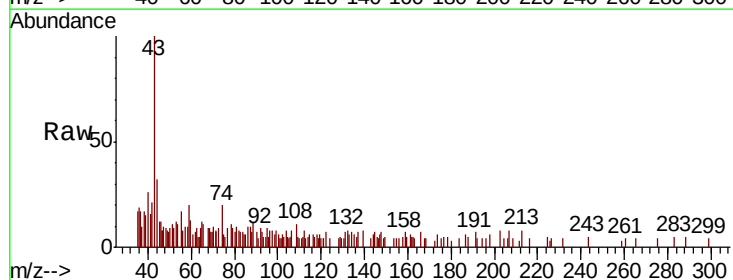
Instrument :
MSVOA_X
ClientSampleId :
T6-C-(0)

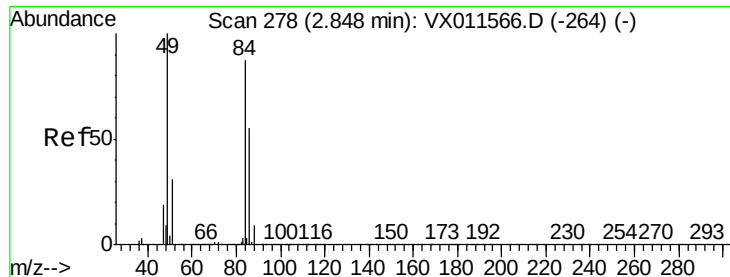
Tgt Ion: 43 Resp: 7011
Ion Ratio Lower Upper
43 100
58 24.0 25.2 37.8#



#18
Methyl Acetate
Concen: 0.398 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011702.D
Acq: 20 Aug 2019 22:51

Tgt Ion: 43 Resp: 2148
Ion Ratio Lower Upper
43 100
74 60.5 19.7 29.5#

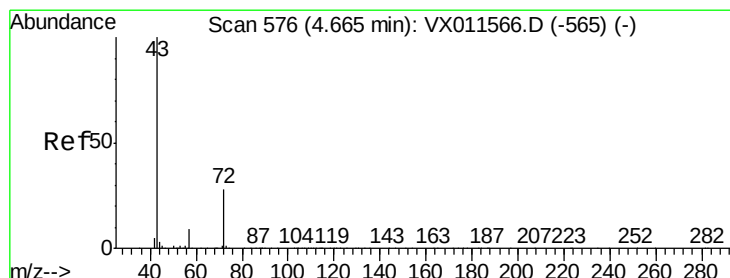
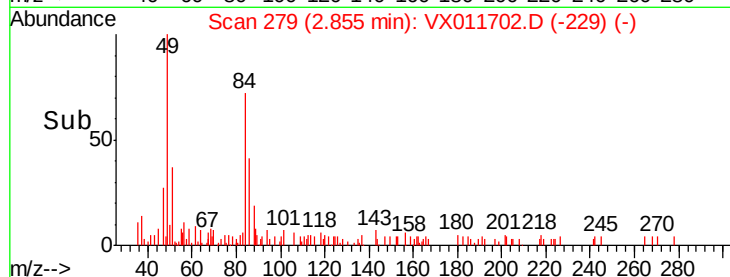
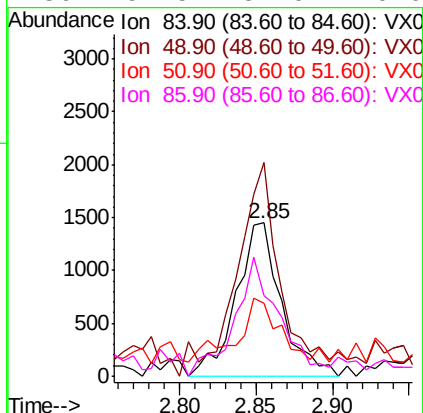
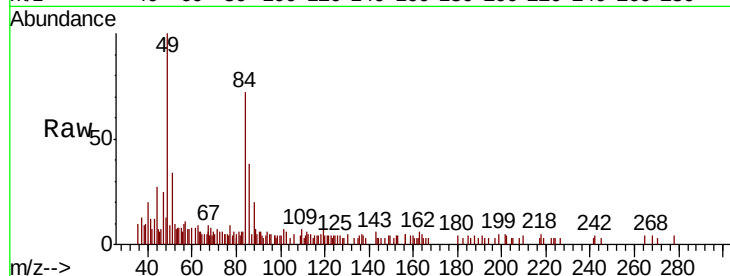




#20
Methylene Chloride
Concen: 0.812 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011702.D
Acq: 20 Aug 2019 22:51

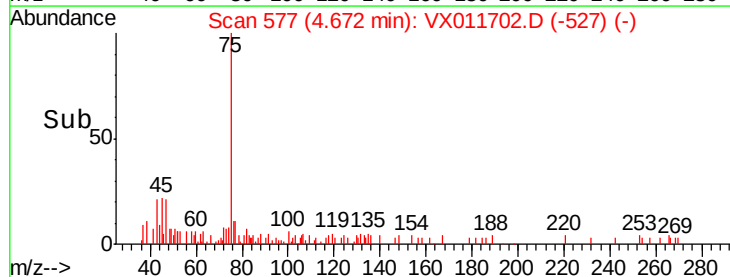
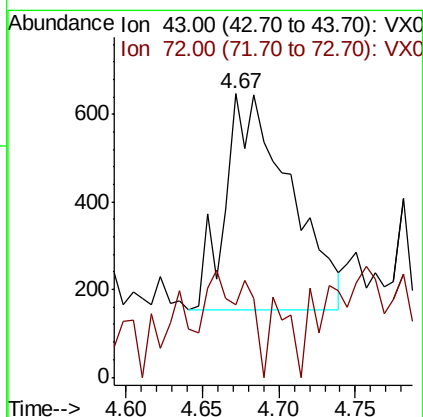
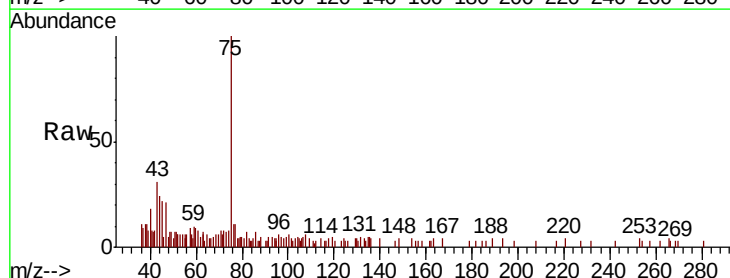
Instrument :
MSVOA_X
ClientSampleId :
T6-C-(0)

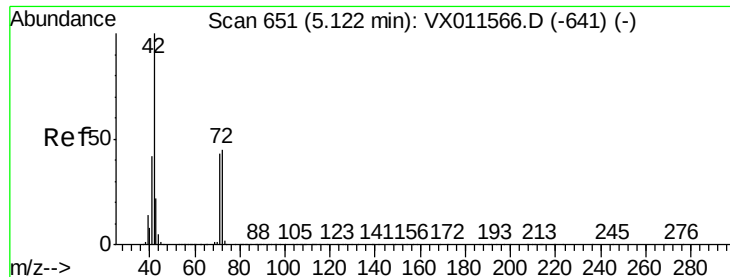
Tgt Ion:	84	Resp:	2967
Ion	Ratio	Lower	Upper
84	100		
49	123.3	92.4	138.6
51	30.8	28.5	42.7
86	52.5	51.0	76.6



#25
2-Butanone
Concen: 0.530 ug/l
RT: 4.67 min Scan# 577
Delta R.T. 0.01 min
Lab File: VX011702.D
Acq: 20 Aug 2019 22:51

Tgt Ion:	43	Resp:	1449
Ion	Ratio	Lower	Upper
43	100		
72	10.9	22.2	33.4#





#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 4.92 min Scan# 618

Delta R.T. -0.20 min

Lab File: VX011702.D

Acq: 20 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

T6-C-(0)

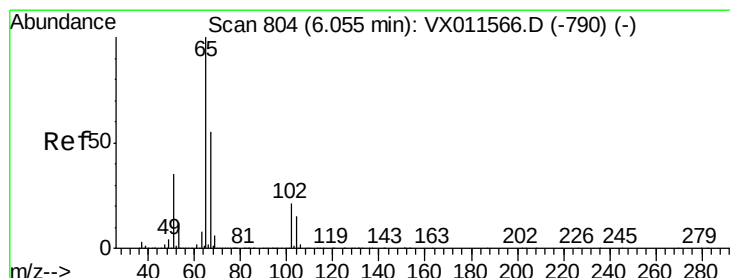
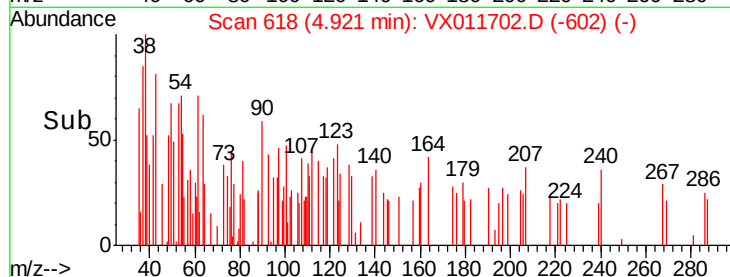
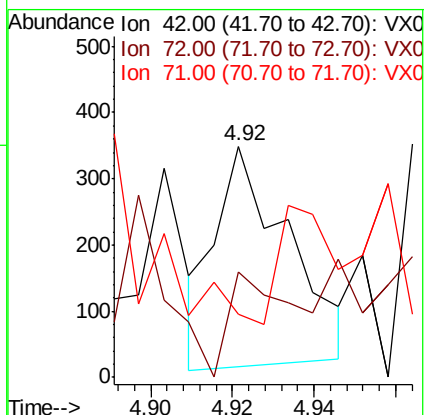
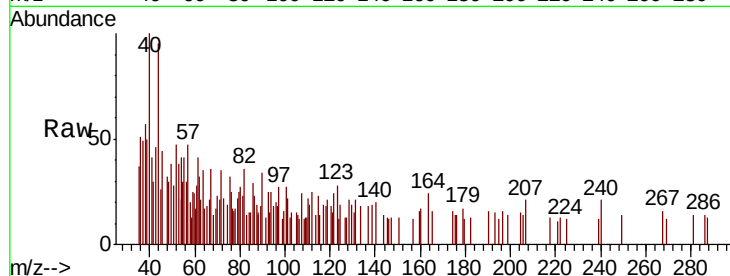
Tgt Ion: 42 Resp: 415

Ion Ratio Lower Upper

42 100

72 43.6 36.1 54.1

71 38.1 33.8 50.8



#33

1,2-Dichloroethane-d4

Concen: 53.765 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011702.D

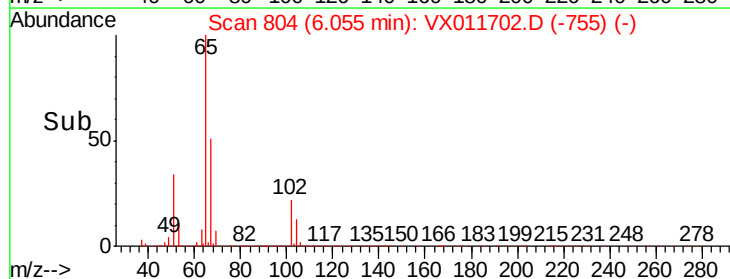
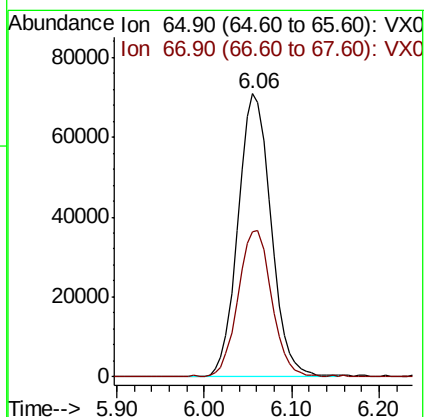
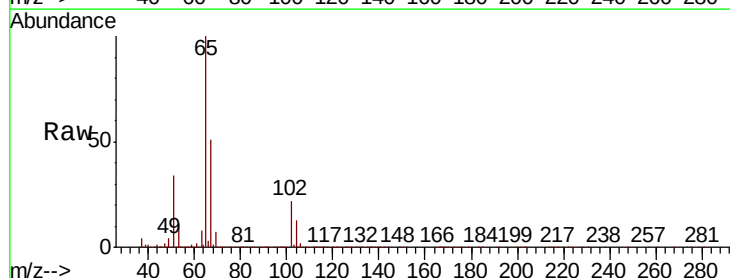
Acq: 20 Aug 2019 22:51

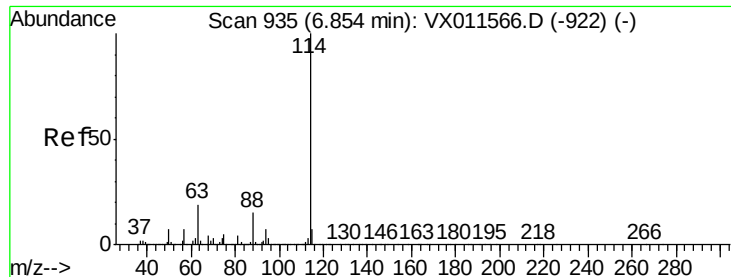
Tgt Ion: 65 Resp: 186052

Ion Ratio Lower Upper

65 100

67 52.3 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: VX011702.D

Acq: 20 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

T6-C-(0)

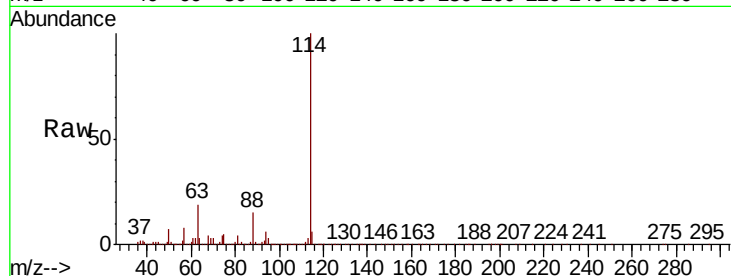
Tgt Ion:114 Resp: 519315

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.8

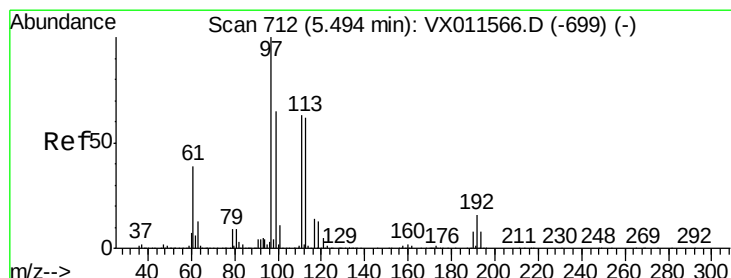
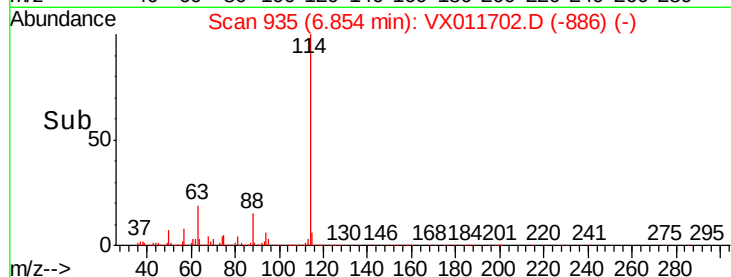
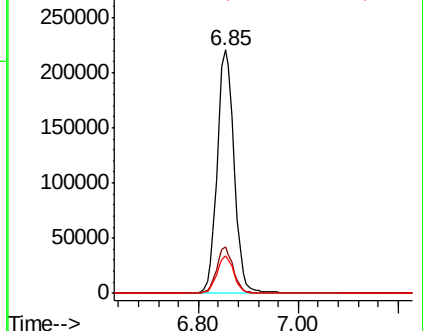
88 15.4 0.0 30.2



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: 46.067 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011702.D

Acq: 20 Aug 2019 22:51

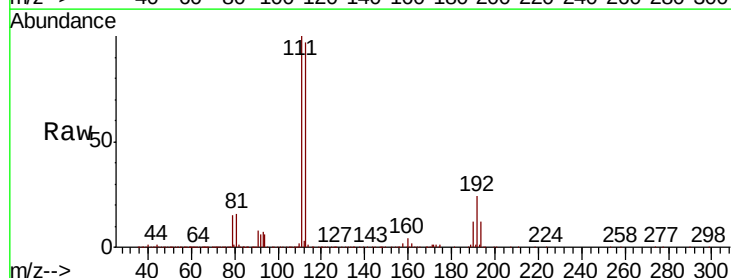
Tgt Ion:113 Resp: 156472

Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

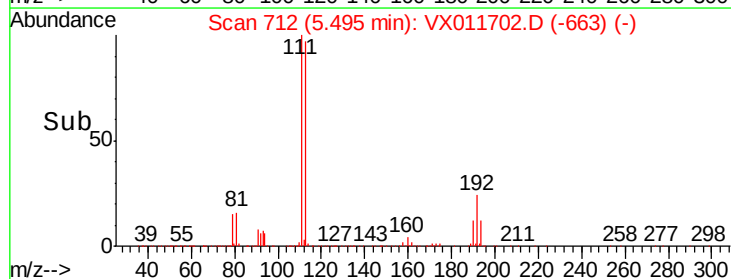
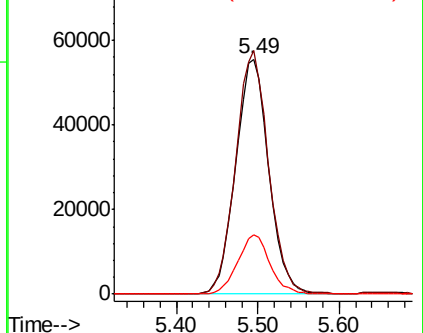
192 24.7 20.8 31.2

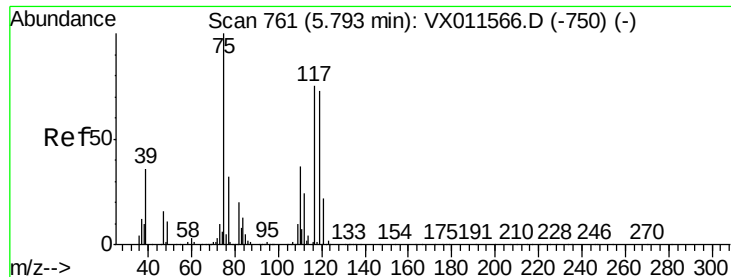


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

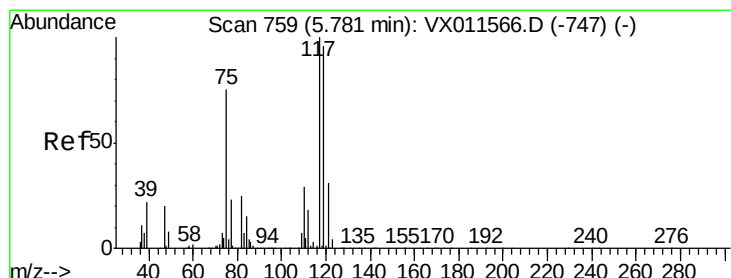
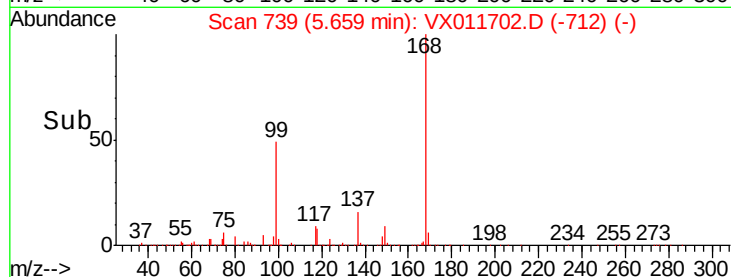
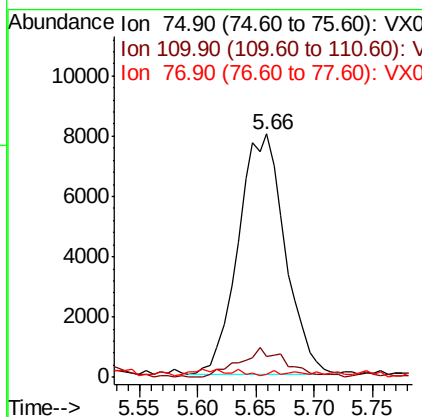
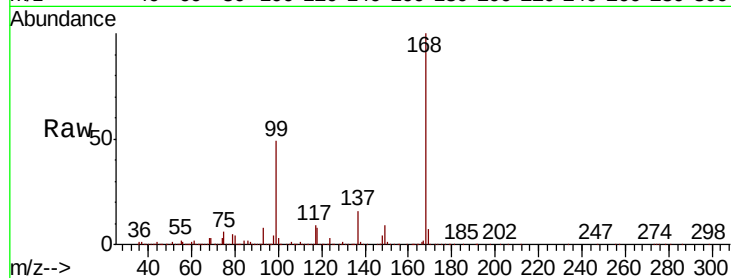




#36
 1,1-Dichloropropene
 Concen: 5.008 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011702.D
 Acq: 20 Aug 2019 22:51

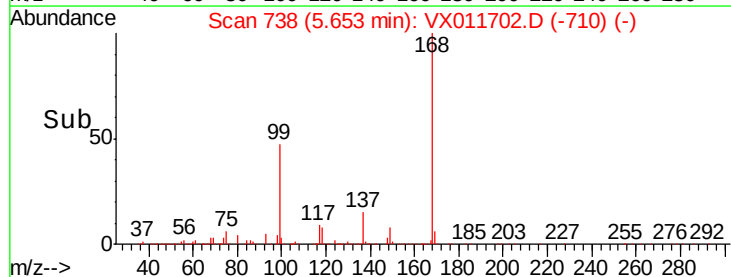
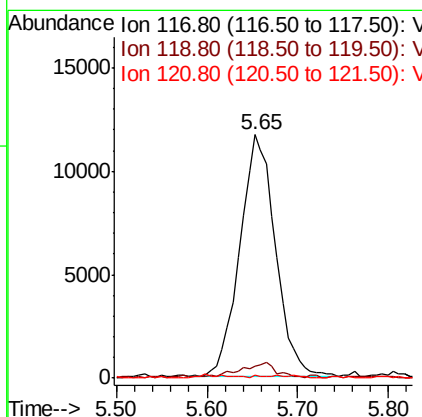
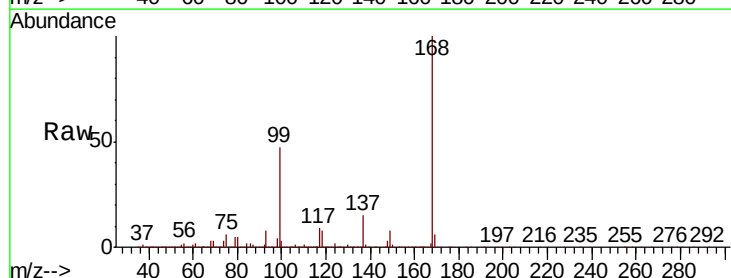
Instrument :
 MSVOA_X
 ClientSampled :
 T6-C-(0)

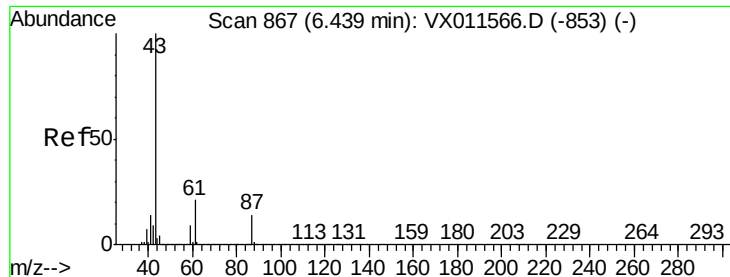
Tgt Ion: 75 Resp: 22234
 Ion Ratio Lower Upper
 75 100
 110 12.7 19.4 58.1#
 77 0.3 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.501 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011702.D
 Acq: 20 Aug 2019 22:51

Tgt Ion: 117 Resp: 31800
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.9 115.3#
 121 1.4 24.8 37.2#

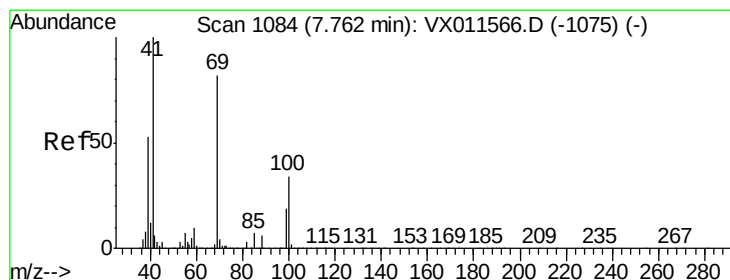
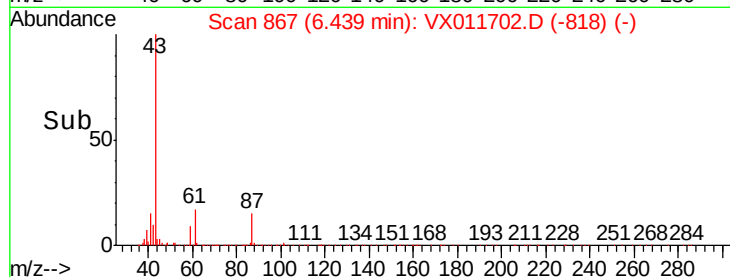
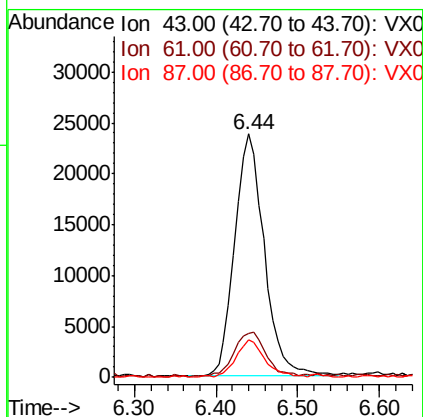
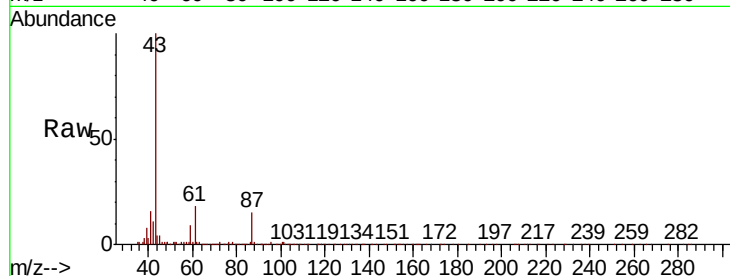




#43
Isopropyl Acetate
Concen: 7.536 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011702.D
Acq: 20 Aug 2019 22:51

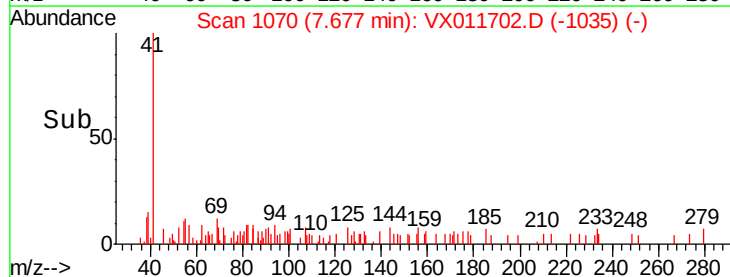
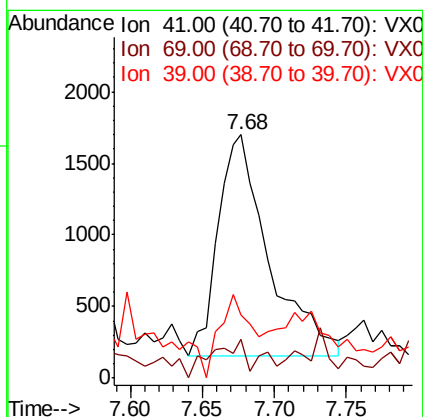
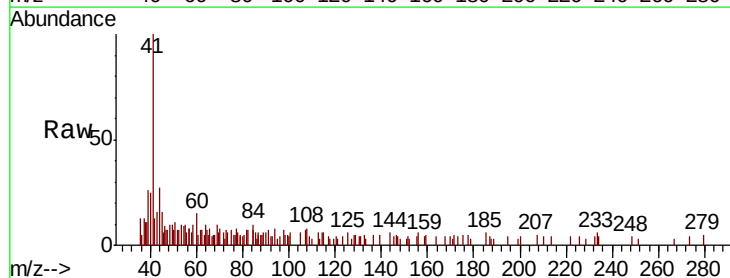
Instrument :
MSVOA_X
ClientSampleId :
T6-C-(0)

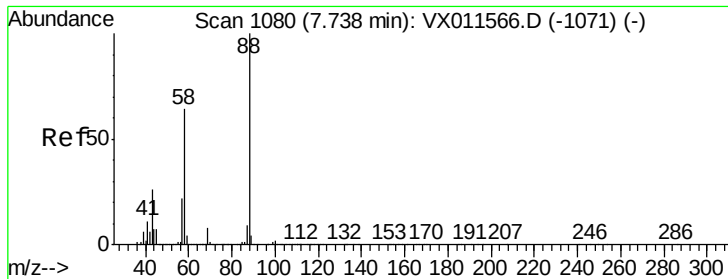
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.6	24.8
87	15.3	11.4	17.2



#48
Methyl methacrylate
Concen: 0.967 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011702.D
Acq: 20 Aug 2019 22:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	11.3	67.9	101.9#
39	0.0	41.6	62.4#





#49

1,4-Dioxane

Concen: 1.400 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX011702.D

Acq: 20 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampled :

T6-C-(0)

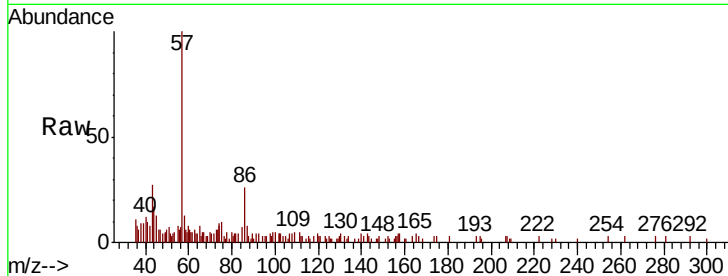
Tgt Ion: 88 Resp: 147

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.0#

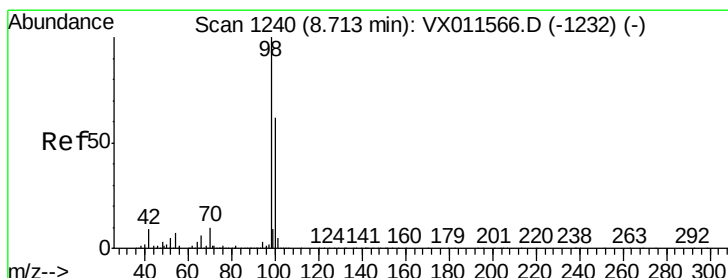
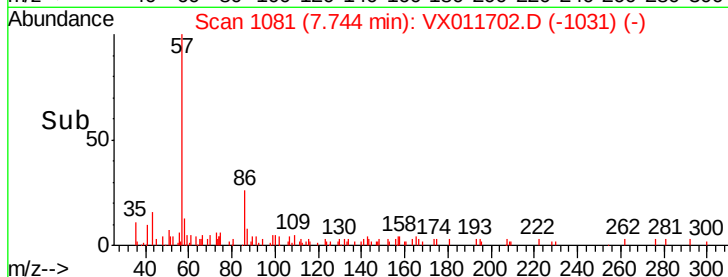
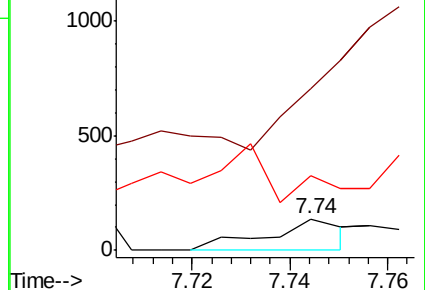
58 568.7 54.3 81.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 57.494 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011702.D

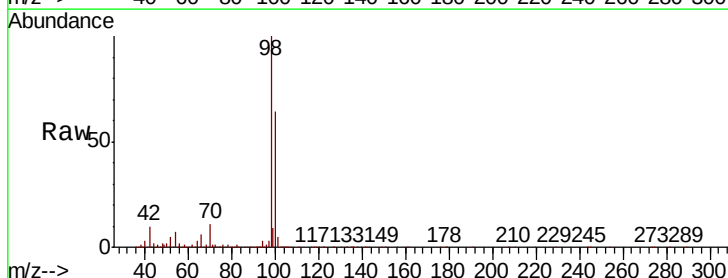
Acq: 20 Aug 2019 22:51

Tgt Ion: 98 Resp: 608490

Ion Ratio Lower Upper

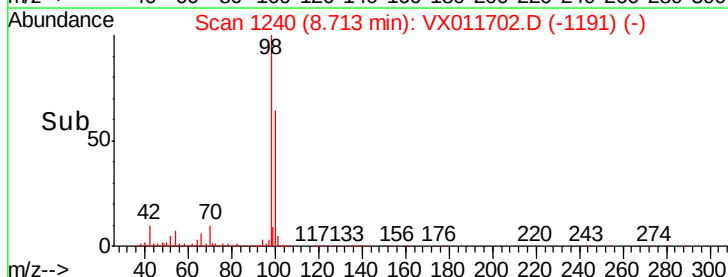
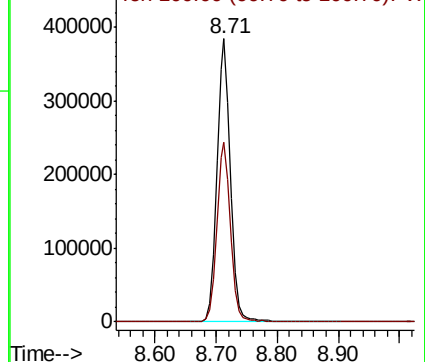
98 100

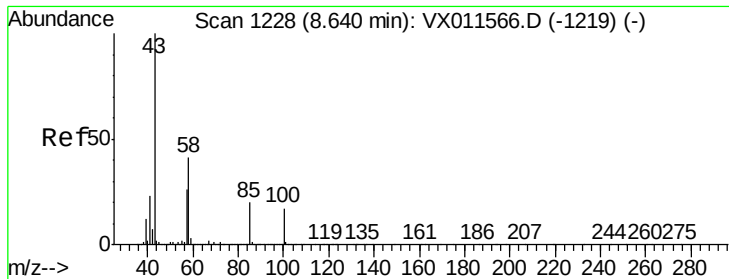
100 64.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

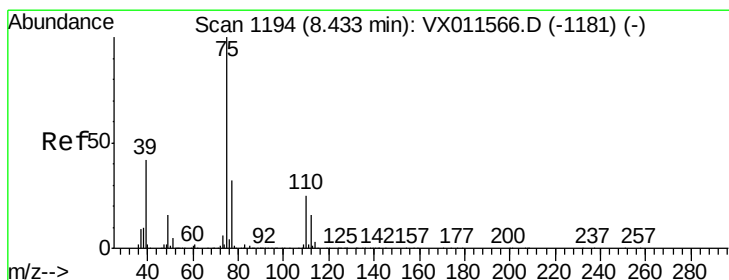
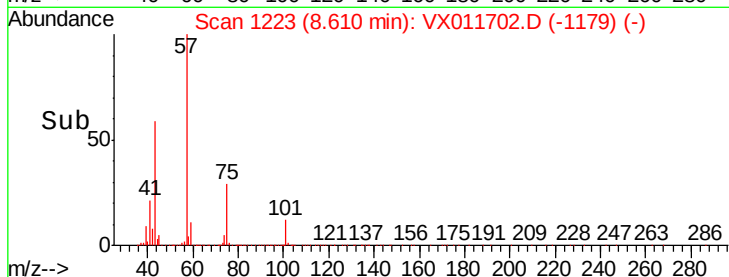
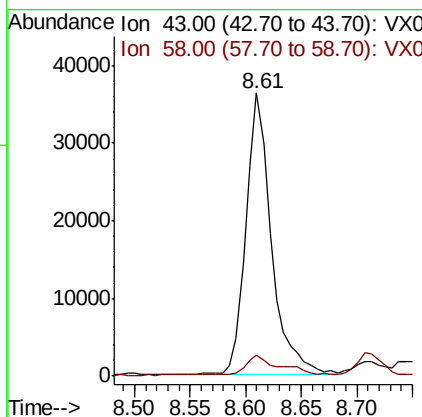
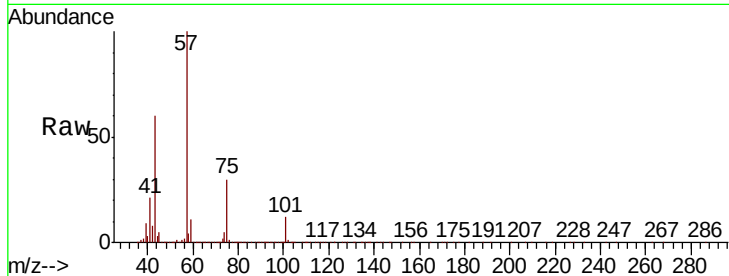




#51
 4-Methyl-2-Pentanone
 Concen: 11.082 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011702.D
 Acq: 20 Aug 2019 22:51

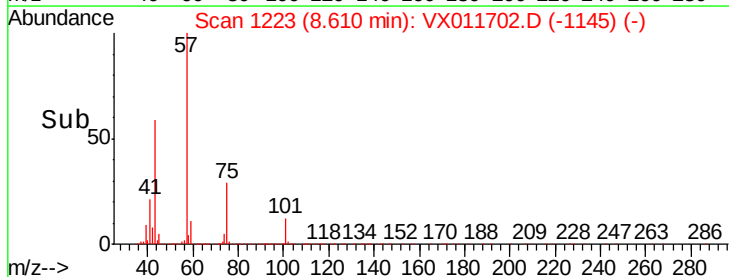
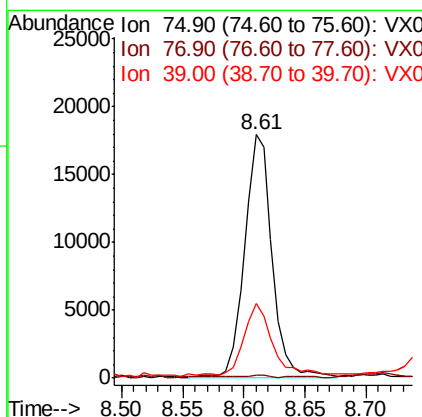
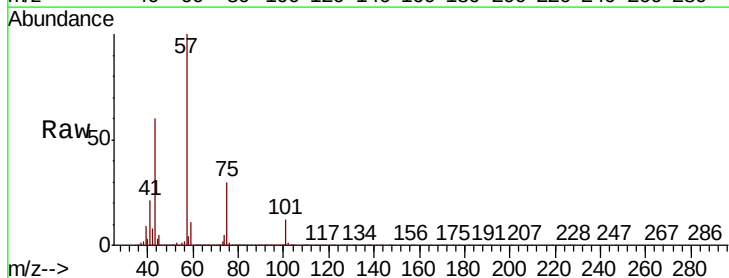
Instrument :
 MSVOA_X
 ClientSampleId :
 T6-C-(0)

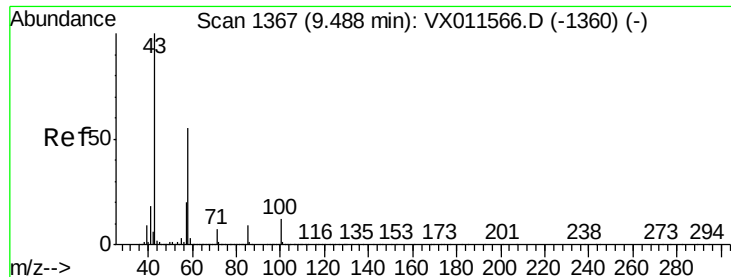
Tgt Ion: 43 Resp: 57812
 Ion Ratio Lower Upper
 43 100
 58 9.2 31.8 47.6#



#54
 cis-1,3-Dichloropropene
 Concen: 5.389 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011702.D
 Acq: 20 Aug 2019 22:51

Tgt Ion: 75 Resp: 28103
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.5 38.3#
 39 29.0 33.6 50.4#





#59

2-Hexanone

Concen: 16.748 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011702.D

Acq: 20 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

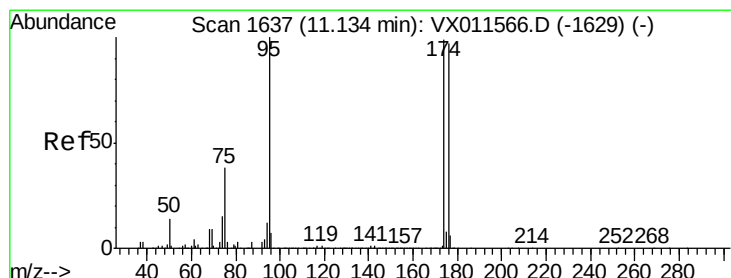
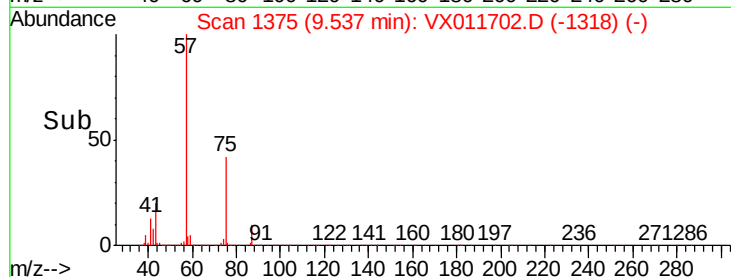
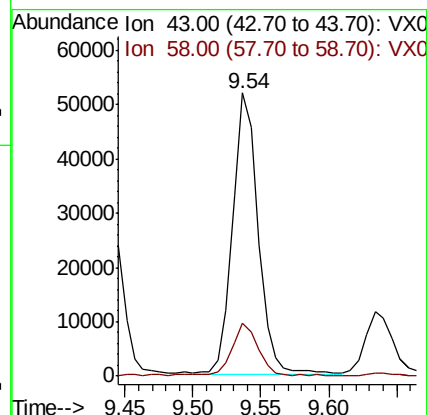
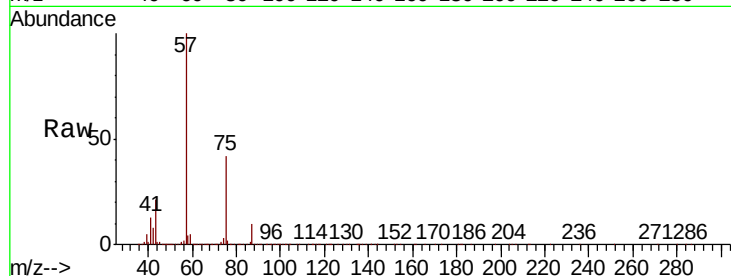
T6-C-(0)

Tgt Ion: 43 Resp: 67374

Ion Ratio Lower Upper

43 100

58 19.1 27.5 82.4#



#62

4-Bromofluorobenzene

Concen: 44.413 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011702.D

Acq: 20 Aug 2019 22:51

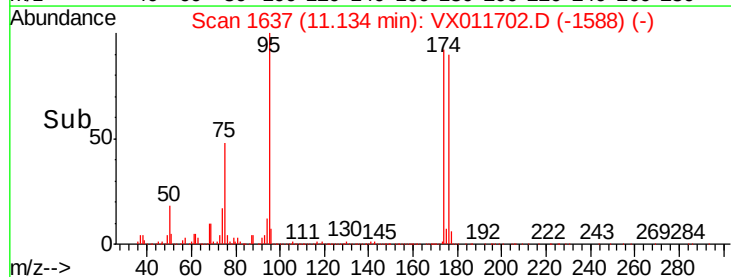
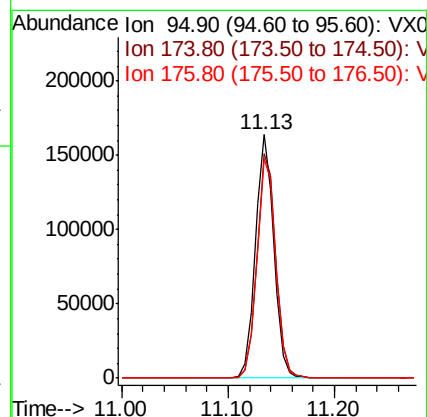
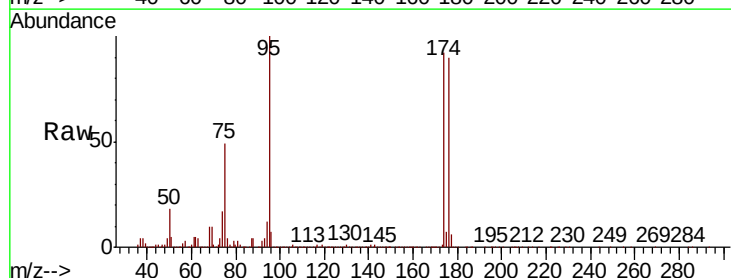
Tgt Ion: 95 Resp: 198398

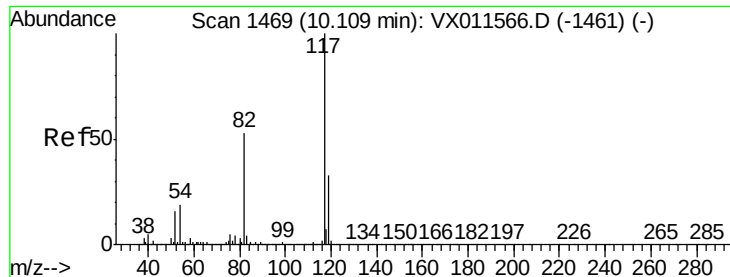
Ion Ratio Lower Upper

95 100

174 94.5 0.0 200.6

176 92.1 0.0 196.6

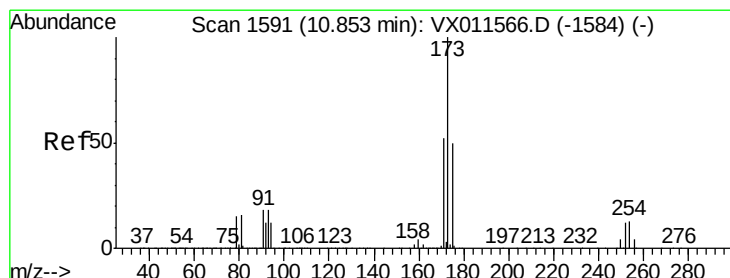
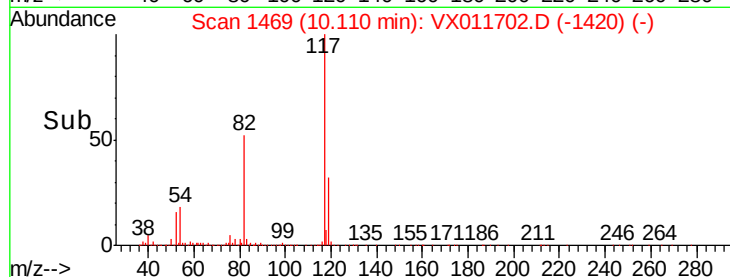
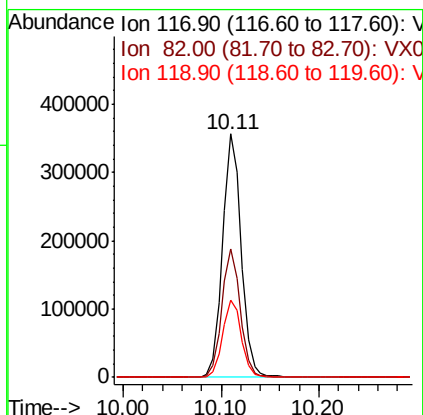
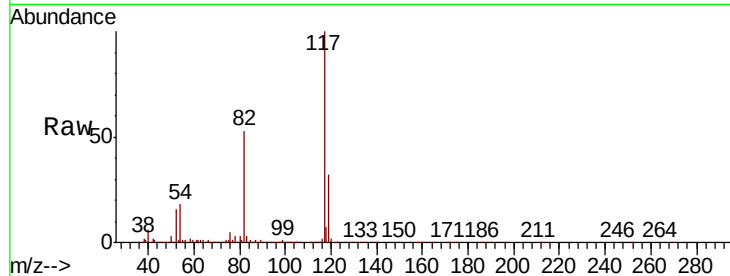




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011702.D
Acq: 20 Aug 2019 22:51

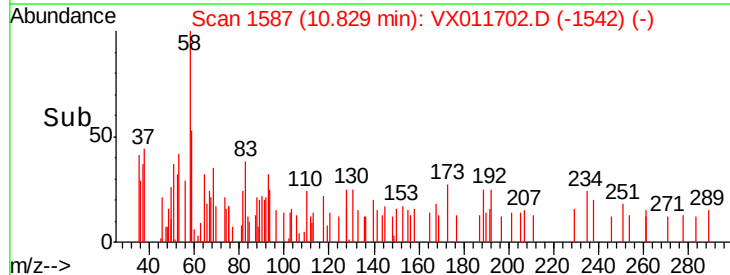
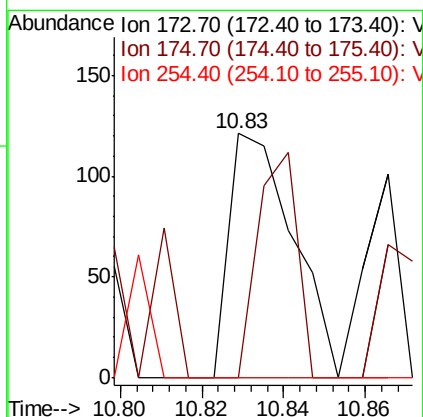
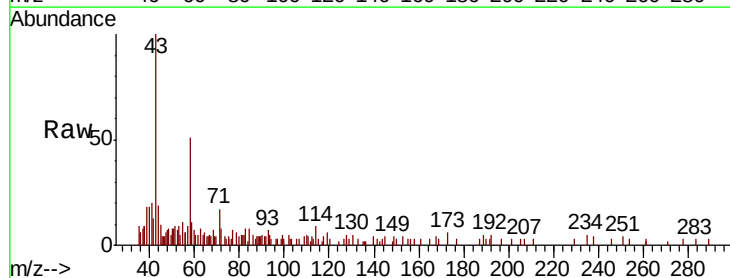
Instrument :
MSVOA_X
ClientSampleId :
T6-C-(0)

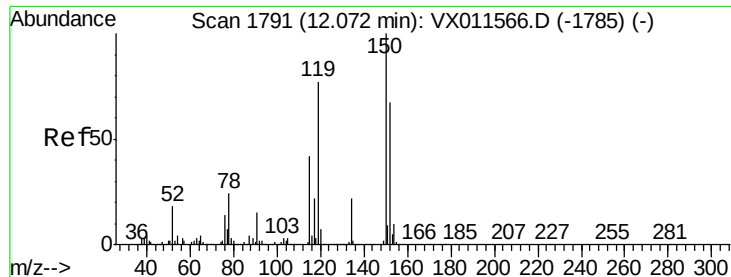
Tgt Ion:117 Resp: 471543
Ion Ratio Lower Upper
117 100
82 52.5 42.0 63.0
119 31.8 26.5 39.7



#71
Bromoform
Concen: 3.325 ug/l
RT: 10.83 min Scan# 1587
Delta R.T. -0.02 min
Lab File: VX011702.D
Acq: 20 Aug 2019 22:51

Tgt Ion:173 Resp: 132
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011702.D

Acq: 20 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

T6-C-(0)

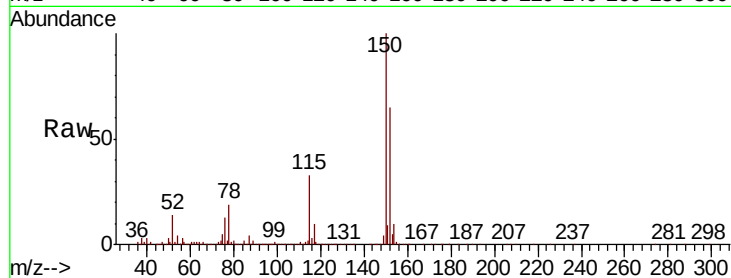
Tgt Ion:152 Resp: 231070

Ion Ratio Lower Upper

152 100

115 53.3 37.3 111.9

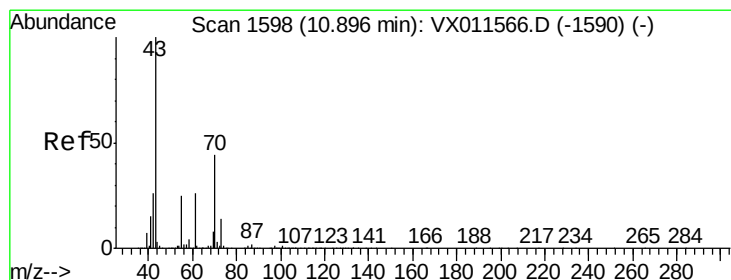
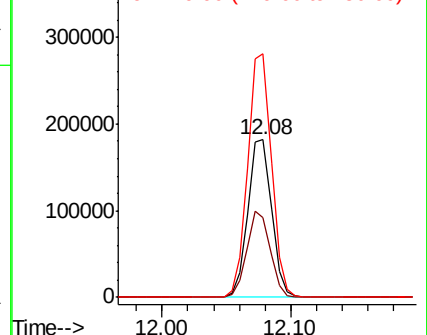
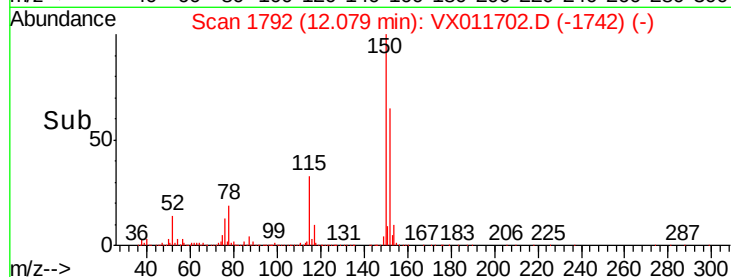
150 154.4 0.0 346.2



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-amil acetate

Concen: 0.461 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011702.D

Acq: 20 Aug 2019 22:51

Tgt Ion: 43 Resp: 2940

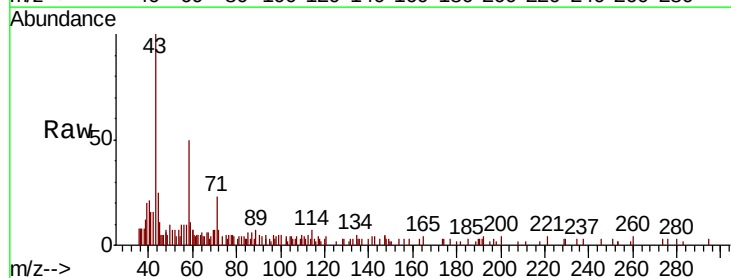
Ion Ratio Lower Upper

43 100

70 3.8 34.7 52.1#

55 0.0 19.6 29.4#

61 0.0 19.9 29.9#

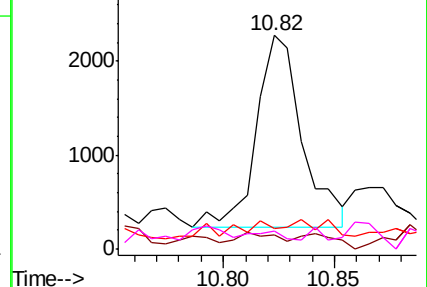
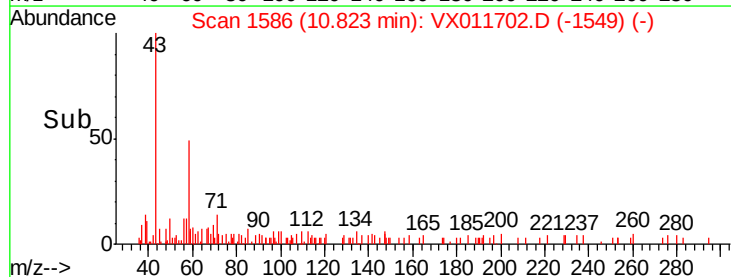


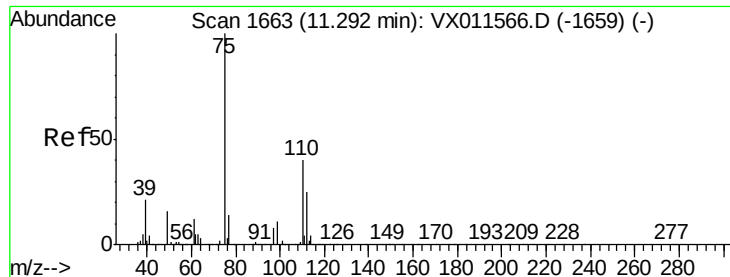
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.832 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011702.D

Acq: 20 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

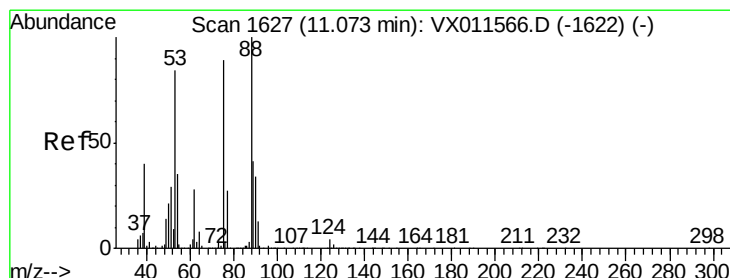
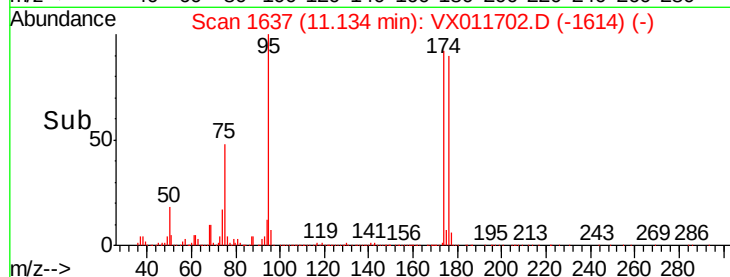
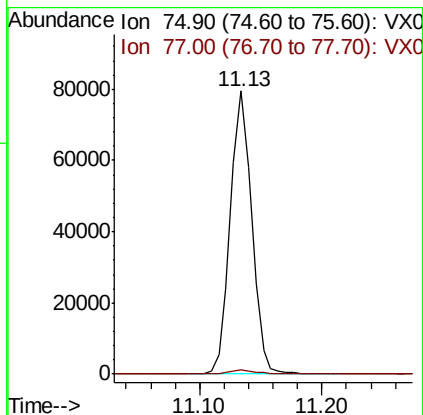
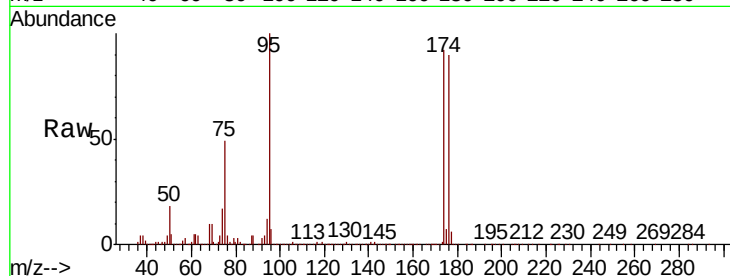
T6-C-(0)

Tgt Ion: 75 Resp: 95659

Ion Ratio Lower Upper

75 100

77 1.4 20.9 62.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.321 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011702.D

Acq: 20 Aug 2019 22:51

Tgt Ion: 75 Resp: 95659

Ion Ratio Lower Upper

75 100

53 0.2 77.4 116.0#

89 0.0 37.3 55.9#

