

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011705.D
 Acq On : 21 Aug 2019 00:01
 Operator : JC/SP
 Sample : K4387-28
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: Aug 21 00:56:21 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	375379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	517389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	466484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202423	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	190086	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	
35) Dibromofluoromethane	5.49	113	156929	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	8.71	98	624196	59.20	ug/l	0.00
Spiked Amount			Recovery	=	118.40%	
62) 4-Bromofluorobenzene	11.13	95	206764	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	

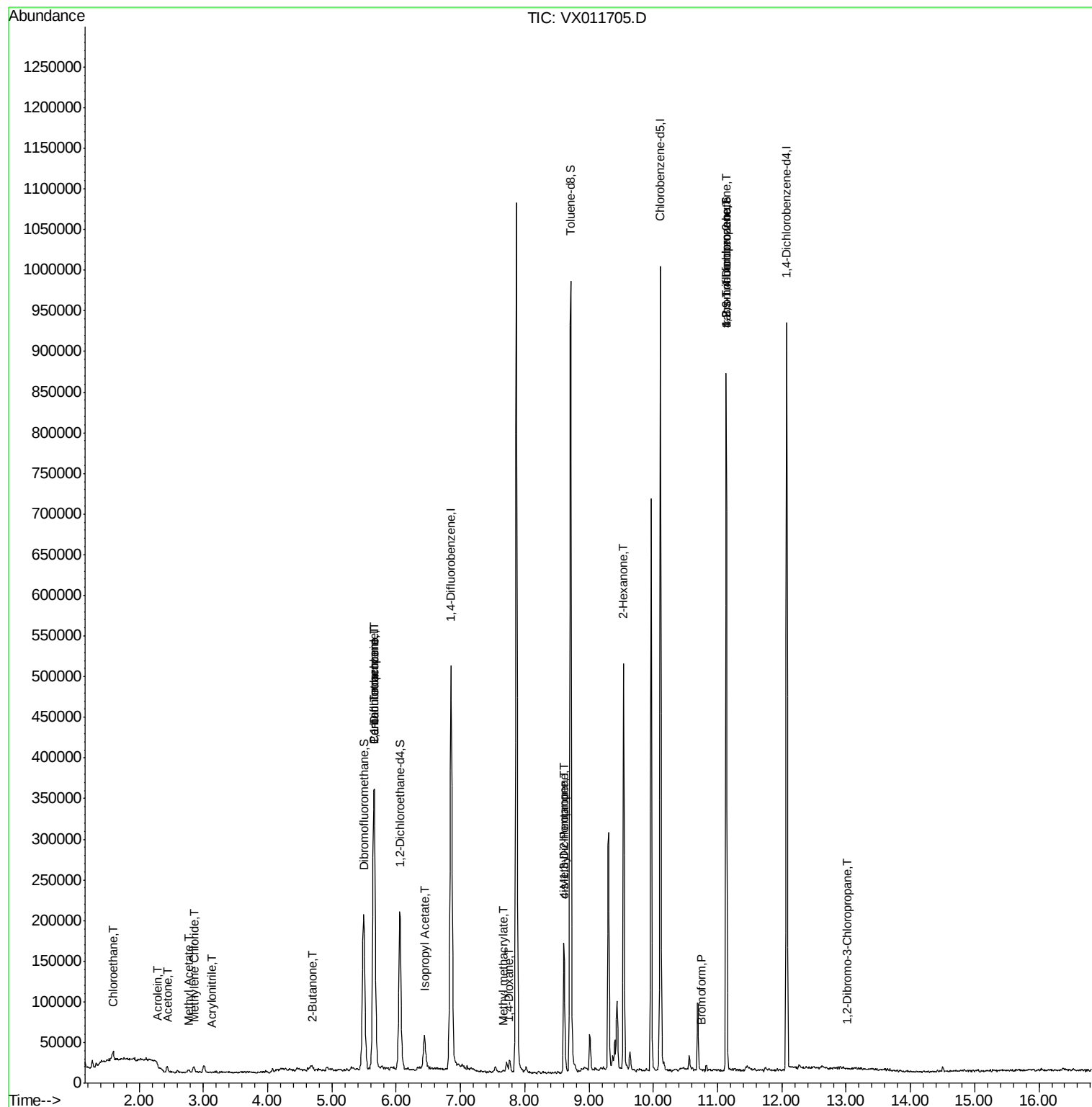
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	1027	0.627	ug/l	97
13) Acrolein	2.29	56	181	12.839	ug/l #	15
15) Acrylonitrile	3.14	53	439	0.225	ug/l #	31
16) Acetone	2.43	43	7707	4.403	ug/l	89
18) Methyl Acetate	2.77	43	4120	0.759	ug/l #	85
20) Methylene Chloride	2.85	84	3758	1.023	ug/l #	90
25) 2-Butanone	4.70	43	2213	0.805	ug/l #	47
36) 1,1-Dichloropropene	5.65	75	21968	4.966	ug/l #	52
38) Carbon Tetrachloride	5.65	117	32387	6.645	ug/l #	15
43) Isopropyl Acetate	6.44	43	52085	6.559	ug/l	99
48) Methyl methacrylate	7.68	41	3273	0.832	ug/l #	19
49) 1,4-Dioxane	7.74	88	233	2.228	ug/l #	83
51) 4-Methyl-2-Pentanone	8.61	43	56197	10.813	ug/l #	48
54) cis-1,3-Dichloropropene	8.61	75	26214	5.046	ug/l #	62
59) 2-Hexanone	9.54	43	59519	14.850	ug/l #	54
71) Bromoform	10.75	173	123	3.323	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	99858	26.015	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	99858	68.637	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	283	0.274	ug/l #	9

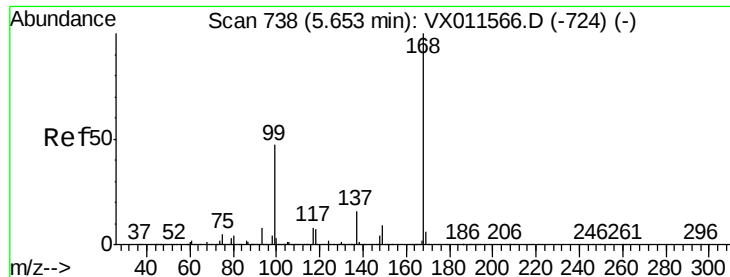
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampled :

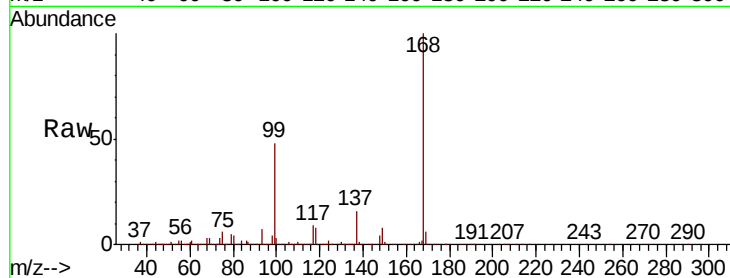
T6-D-(2)

Tgt Ion:168 Resp: 375379

Ion Ratio Lower Upper

168 100

99 47.8 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

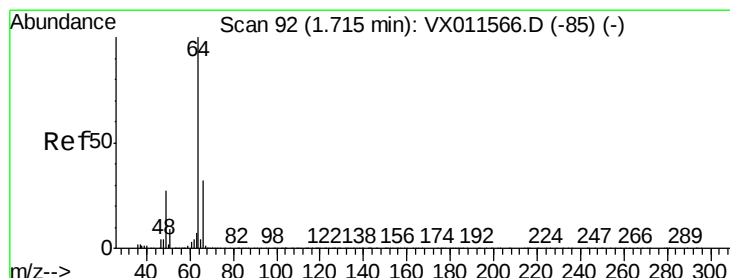
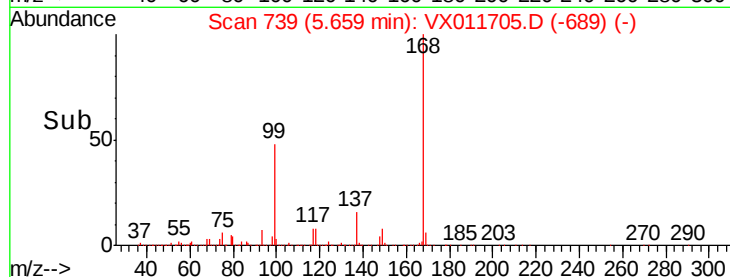
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.627 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX011705.D

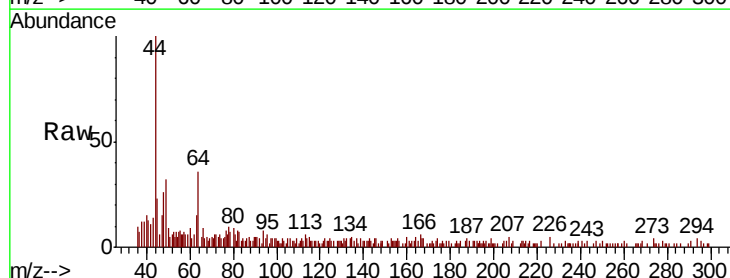
Acq: 21 Aug 2019 00:01

Tgt Ion: 64 Resp: 1027

Ion Ratio Lower Upper

64 100

66 30.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

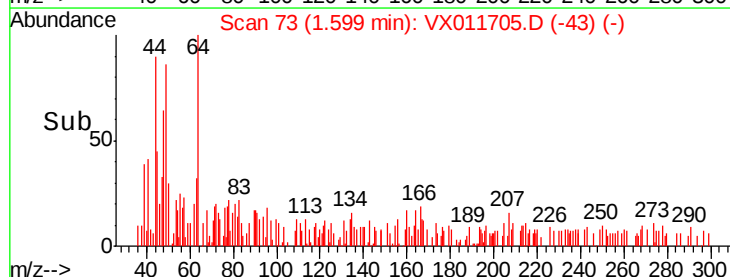
1.60

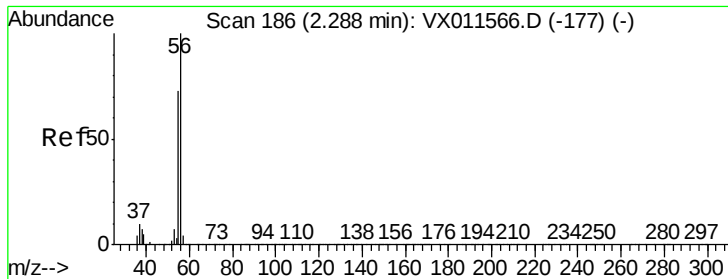
1000

500

0

Time-->





#13

Acrolein

Concen: 12.839 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampled :

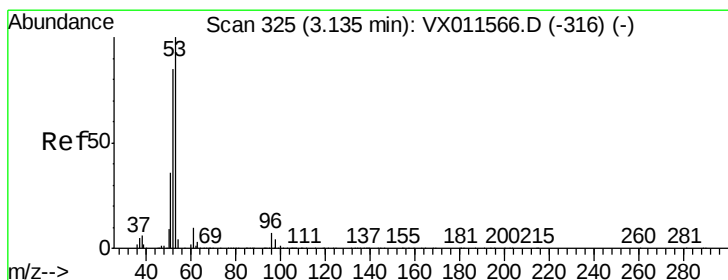
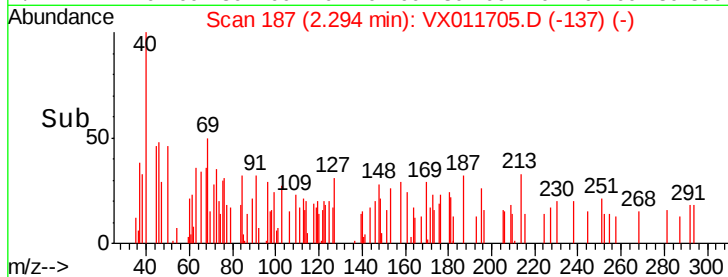
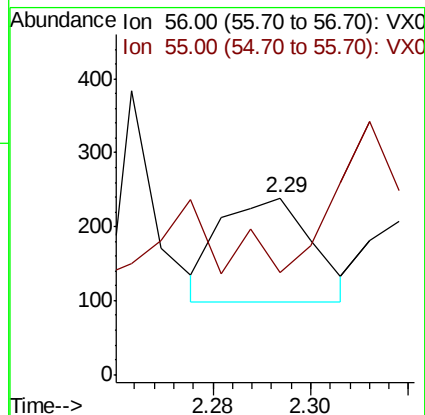
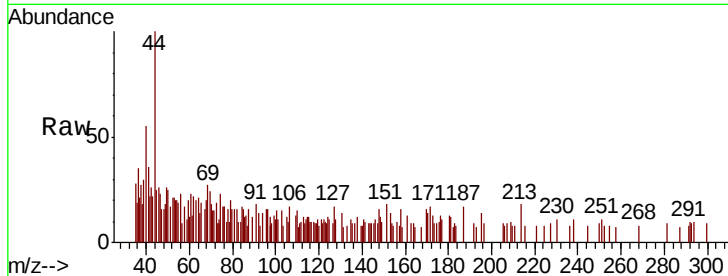
T6-D-(2)

Tgt Ion: 56 Resp: 181

Ion Ratio Lower Upper

56 100

55 0.0 55.5 83.3#



#15

Acrylonitrile

Concen: 0.225 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

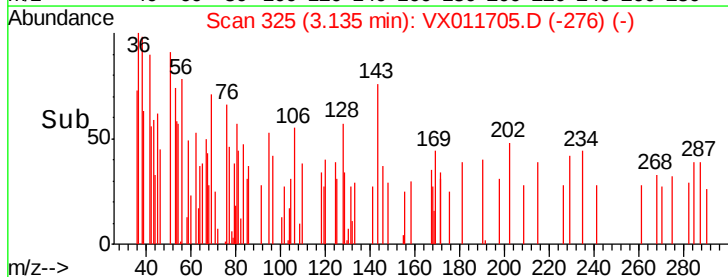
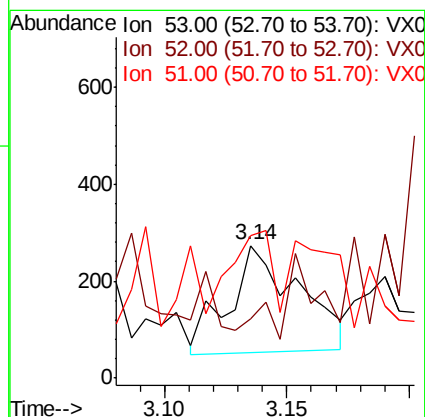
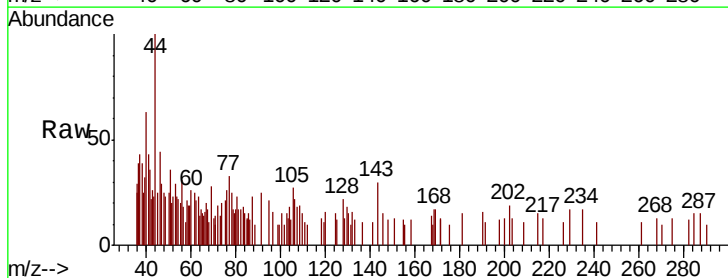
Tgt Ion: 53 Resp: 439

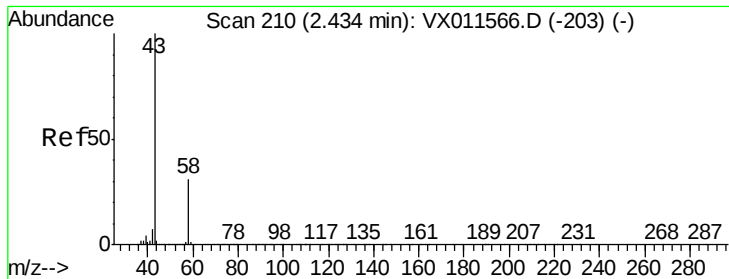
Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 44.2 28.7 43.1#

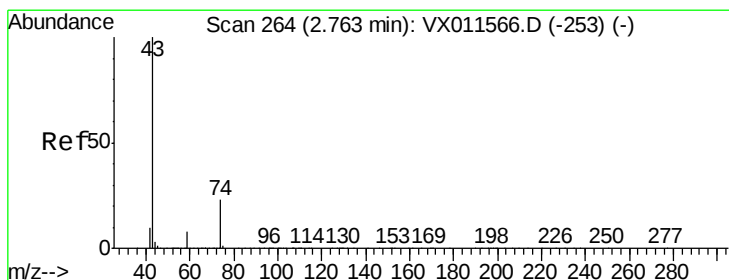
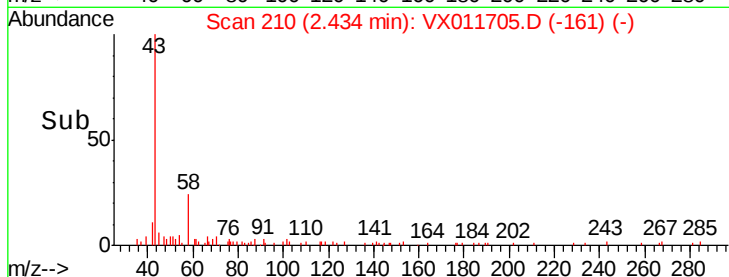
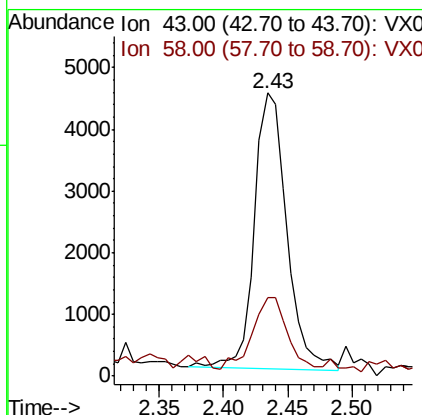
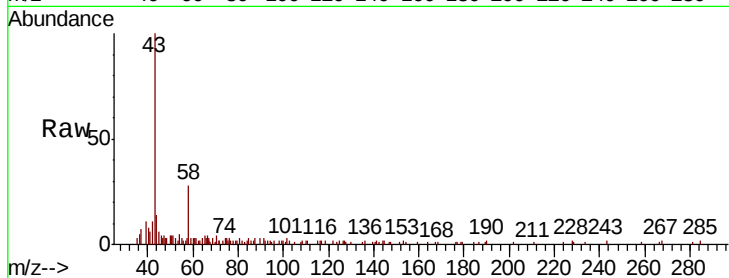




#16
Acetone
Concen: 4.403 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011705.D
Acq: 21 Aug 2019 00:01

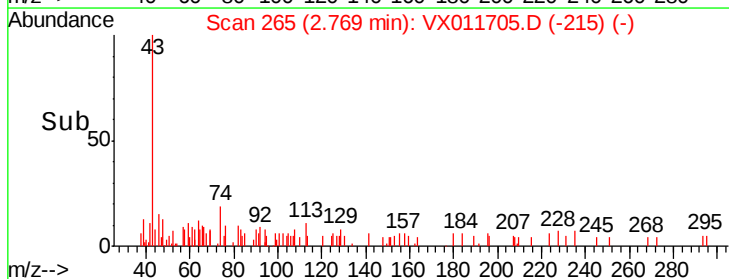
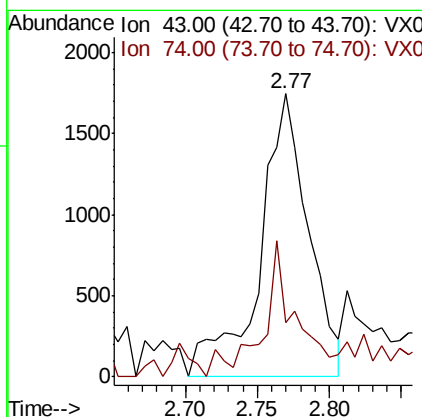
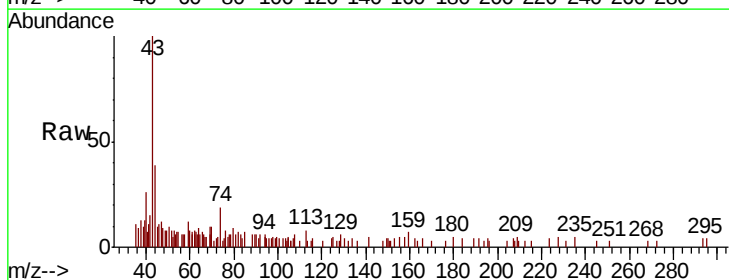
Instrument :
MSVOA_X
ClientSampleId :
T6-D-(2)

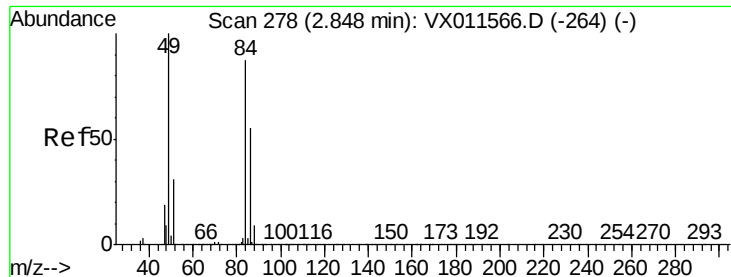
Tgt Ion: 43 Resp: 7707
Ion Ratio Lower Upper
43 100
58 25.6 25.2 37.8



#18
Methyl Acetate
Concen: 0.759 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011705.D
Acq: 21 Aug 2019 00:01

Tgt Ion: 43 Resp: 4120
Ion Ratio Lower Upper
43 100
74 32.2 19.7 29.5#

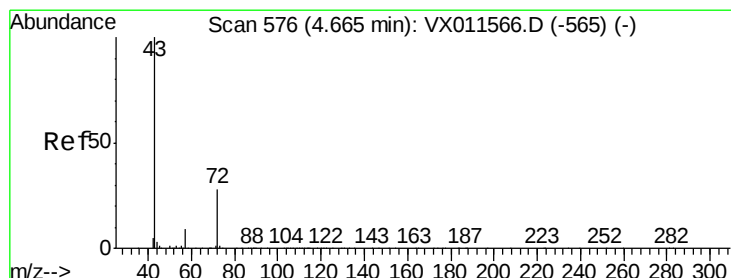
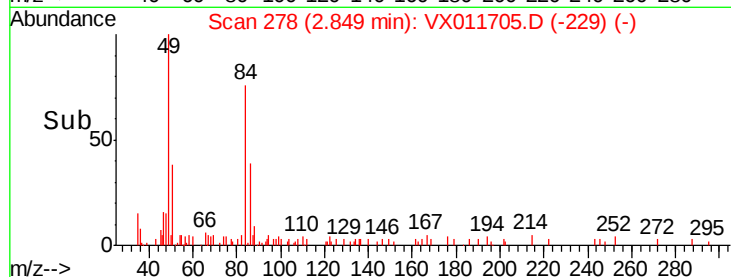
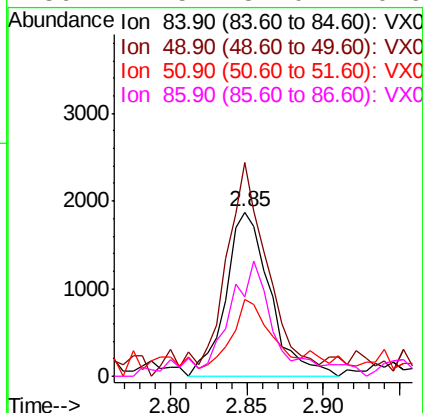
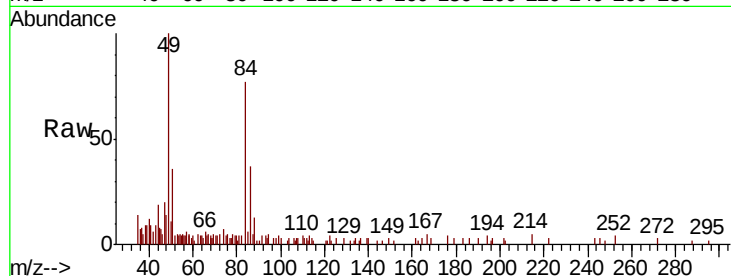




#20
Methylene Chloride
Concen: 1.023 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011705.D
Acq: 21 Aug 2019 00:01

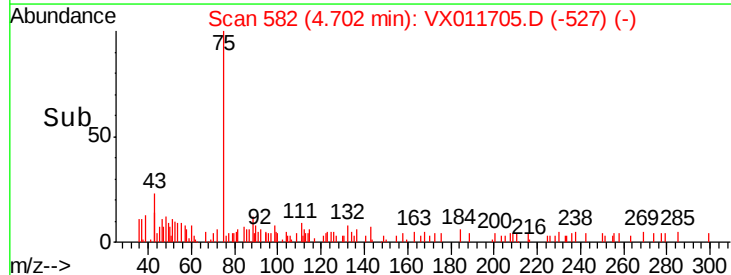
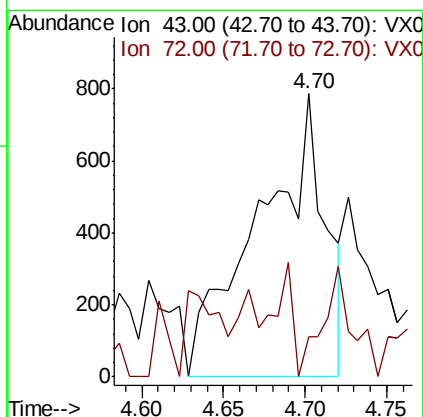
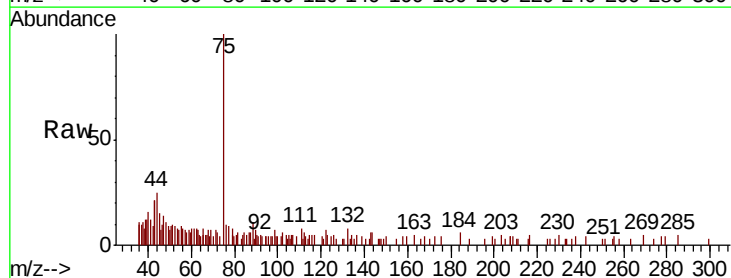
Instrument :
MSVOA_X
ClientSampleId :
T6-D-(2)

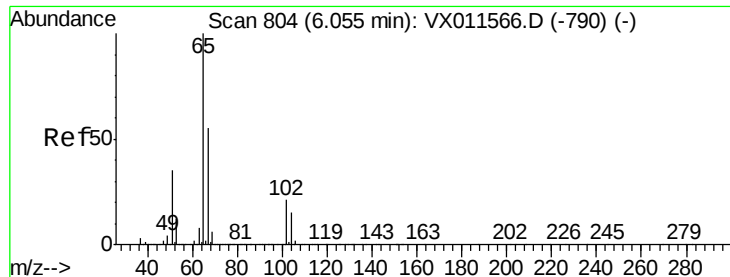
Tgt Ion:	84	Resp:	3758
Ion	Ratio	Lower	Upper
84	100		
49	118.5	92.4	138.6
51	34.8	28.5	42.7
86	41.5	51.0	76.6#



#25
2-Butanone
Concen: 0.805 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.04 min
Lab File: VX011705.D
Acq: 21 Aug 2019 00:01

Tgt Ion:	43	Resp:	2213
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.4#





#33

1,2-Dichloroethane-d4

Concen: 54.605 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

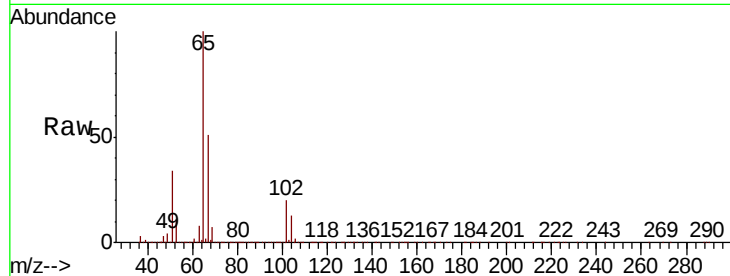
T6-D-(2)

Tgt Ion: 65 Resp: 190086

Ion Ratio Lower Upper

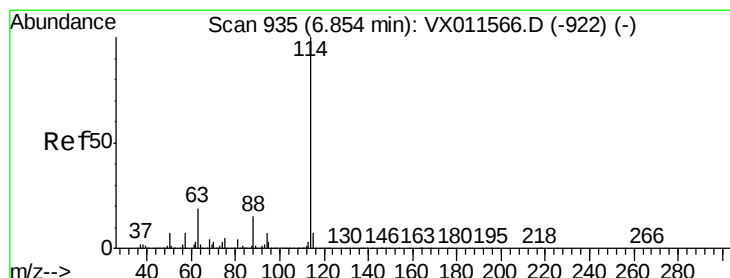
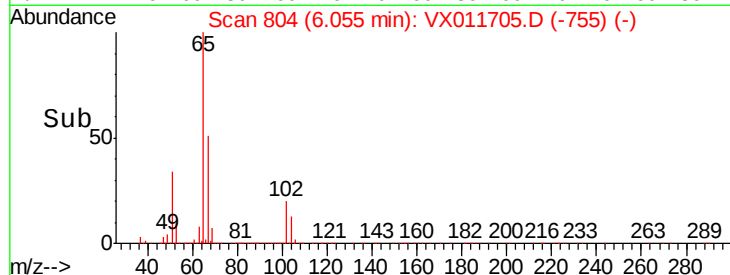
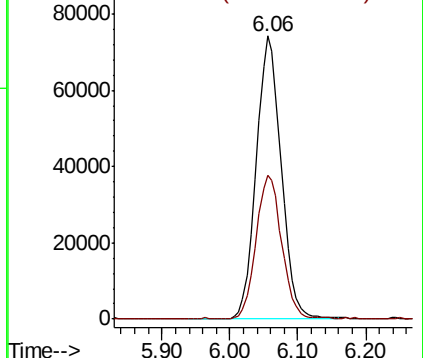
65 100

67 51.7 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: VX011705.D

Acq: 21 Aug 2019 00:01

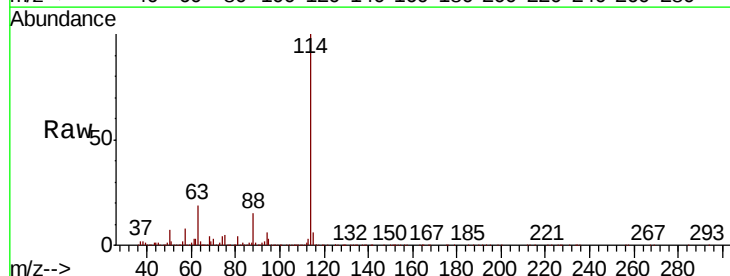
Tgt Ion: 114 Resp: 517389

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.8

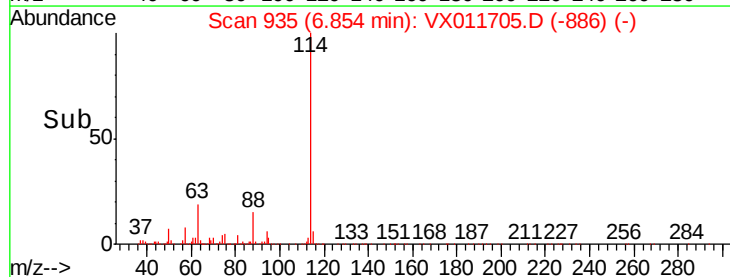
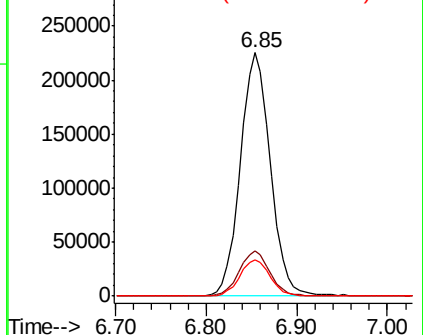
88 14.7 0.0 30.2

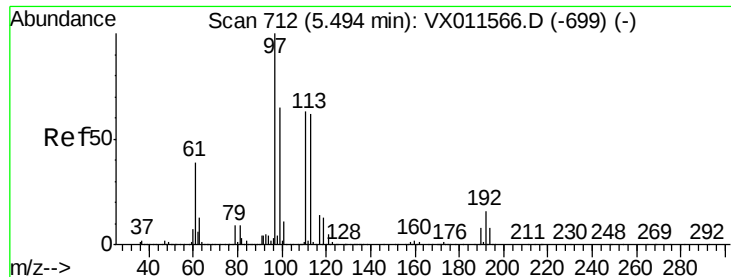


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.373 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

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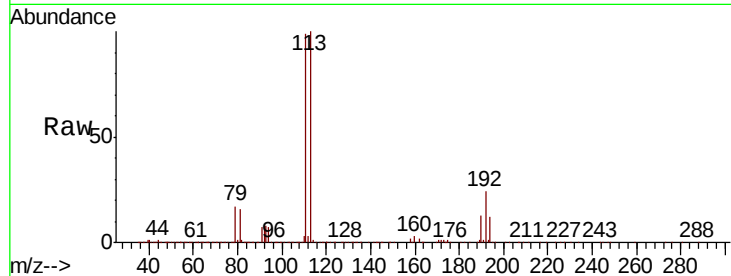
Tgt Ion:113 Resp: 156929

Ion Ratio Lower Upper

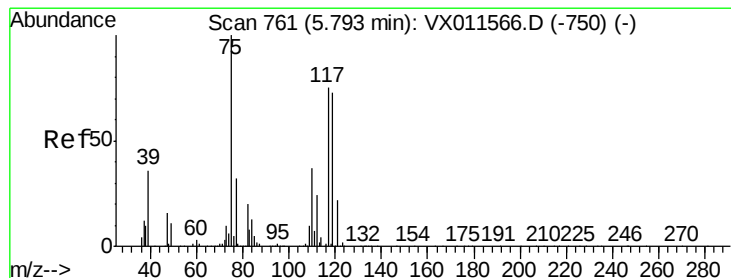
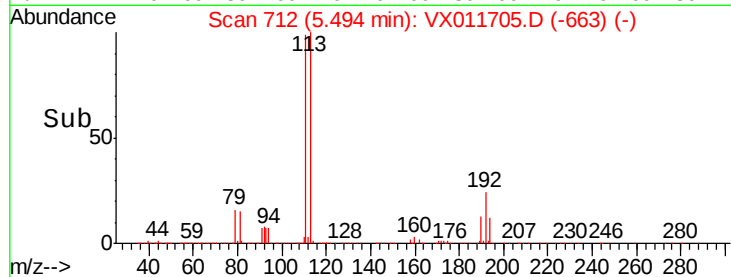
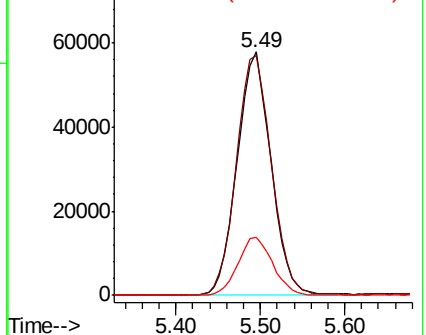
113 100

111 102.6 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: 4.966 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

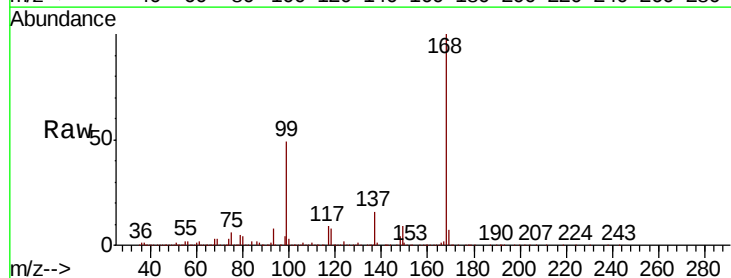
Tgt Ion: 75 Resp: 21968

Ion Ratio Lower Upper

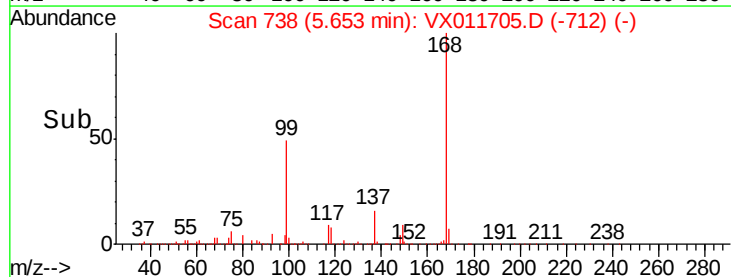
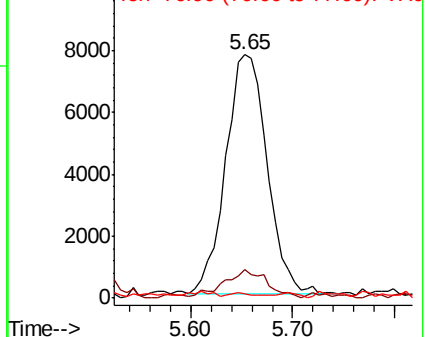
75 100

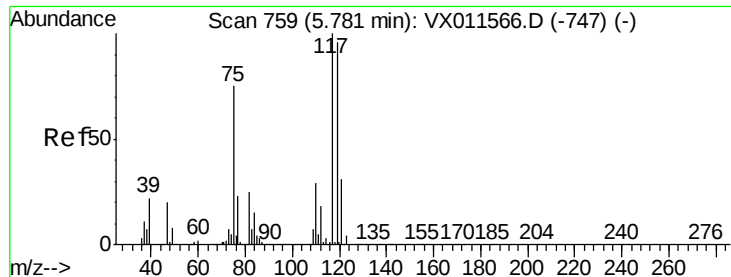
110 12.3 19.4 58.1#

77 1.2 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: 6.645 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

T6-D-(2)

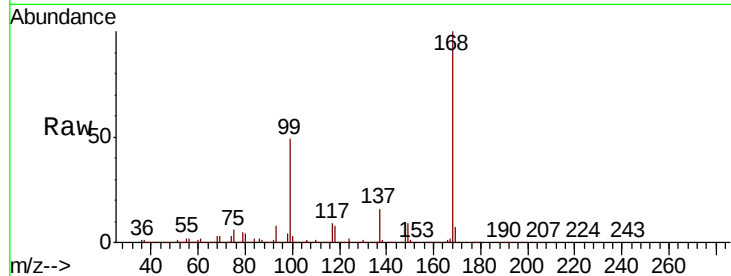
Tgt Ion:117 Resp: 32387

Ion Ratio Lower Upper

117 100

119 3.7 76.9 115.3#

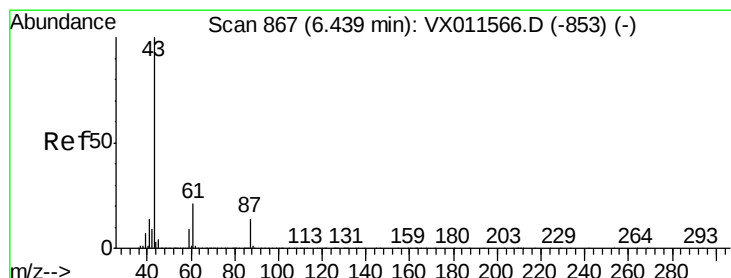
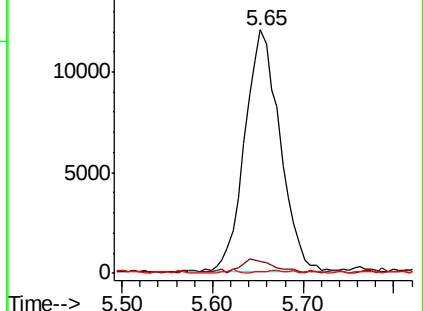
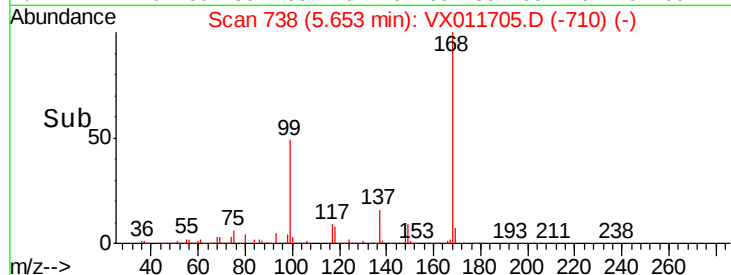
121 0.8 24.8 37.2#



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: 6.559 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

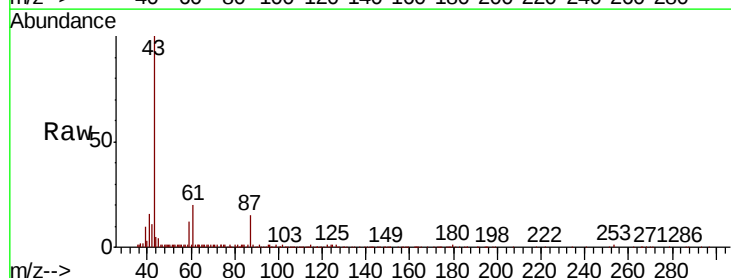
Tgt Ion: 43 Resp: 52085

Ion Ratio Lower Upper

43 100

61 21.0 16.6 24.8

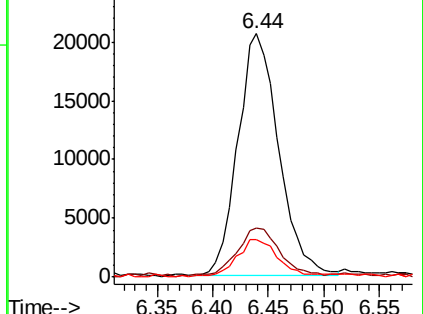
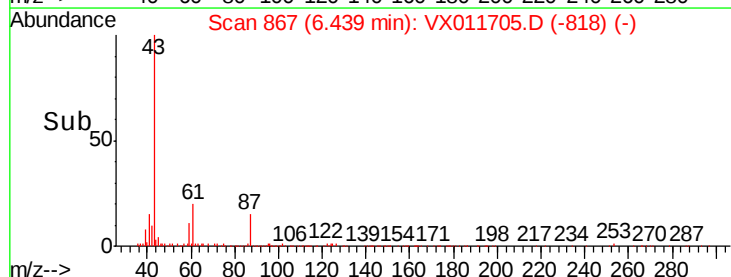
87 15.0 11.4 17.2

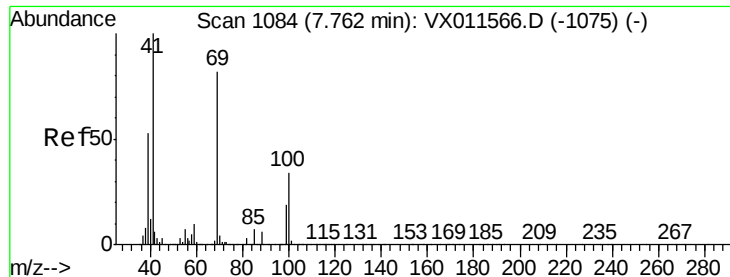


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

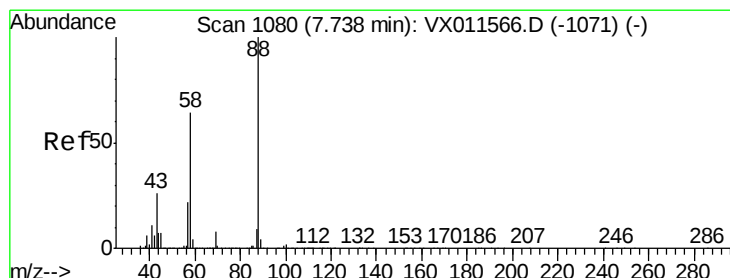
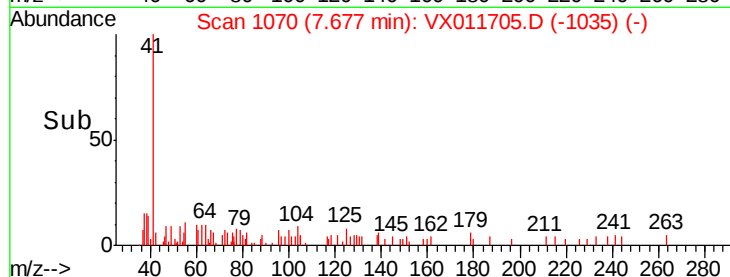
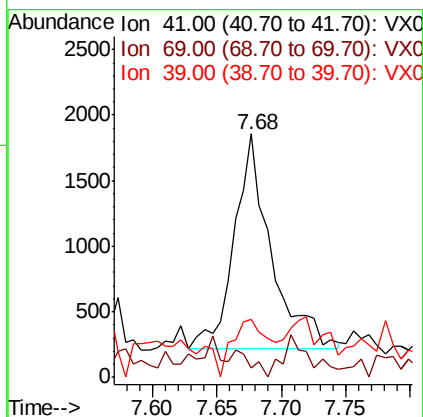
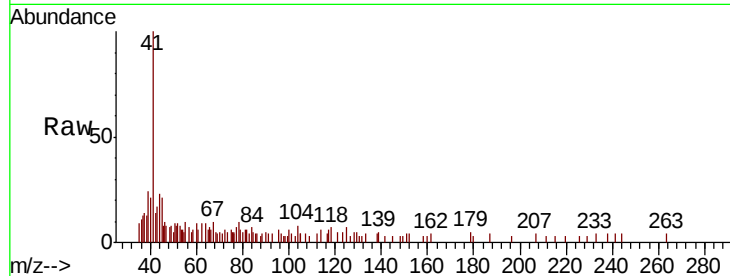




#48
Methyl methacrylate
Concen: 0.832 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011705.D
Acq: 21 Aug 2019 00:01

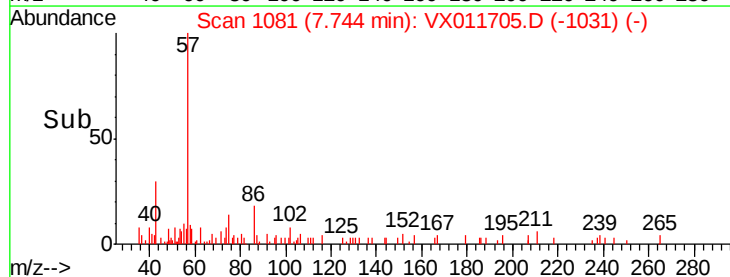
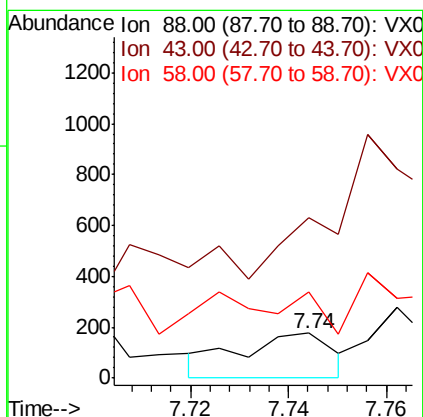
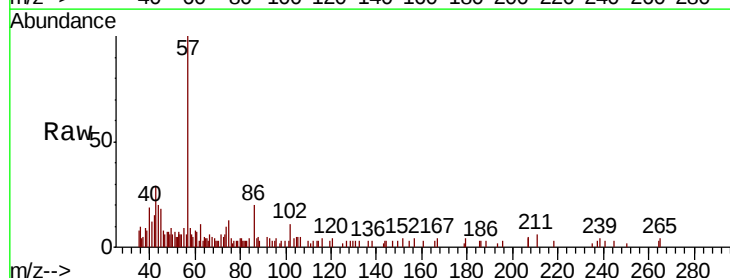
Instrument :
MSVOA_X
ClientSampled :
T6-D-(2)

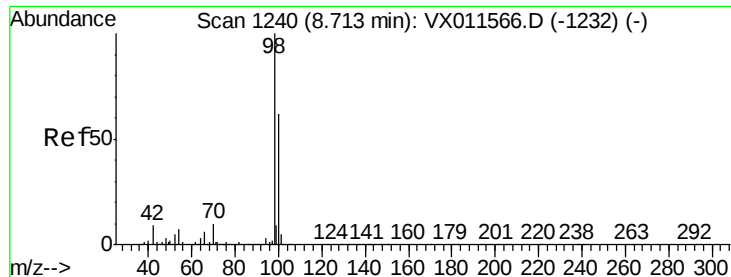
Tgt Ion: 41 Resp: 3273
Ion Ratio Lower Upper
41 100
69 6.5 67.9 101.9#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 2.228 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011705.D
Acq: 21 Aug 2019 00:01

Tgt Ion: 88 Resp: 233
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 68.7 54.3 81.5





#50

Toluene-d8

Concen: 59.198 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

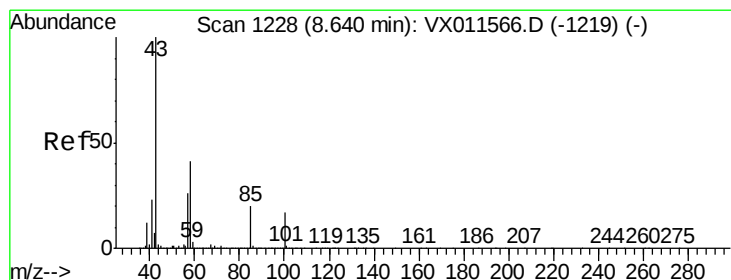
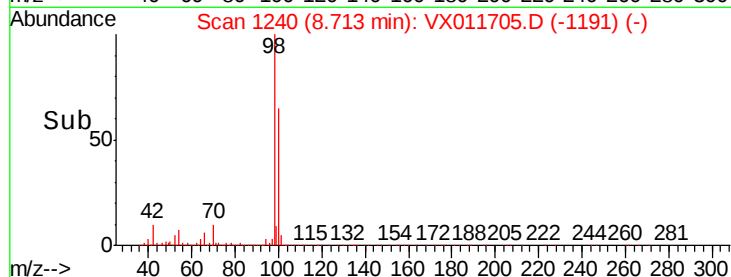
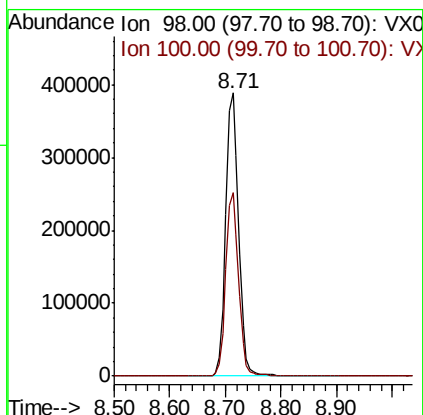
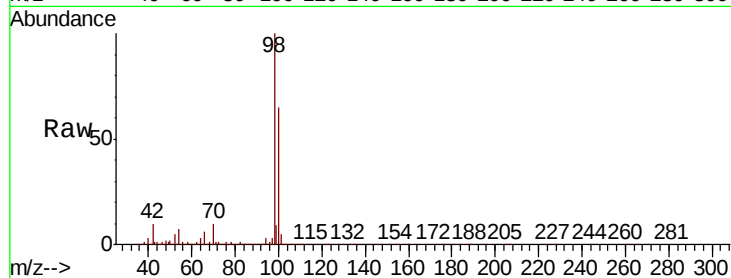
T6-D-(2)

Tgt Ion: 98 Resp: 624196

Ion Ratio Lower Upper

98 100

100 64.3 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 10.813 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011705.D

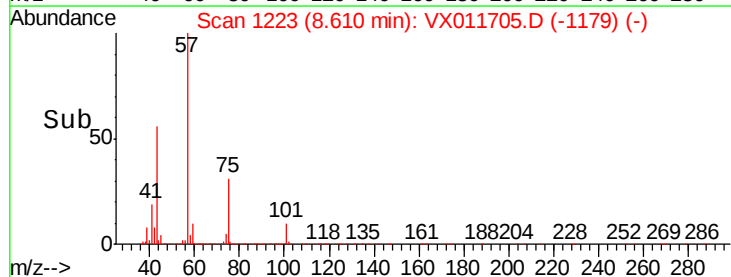
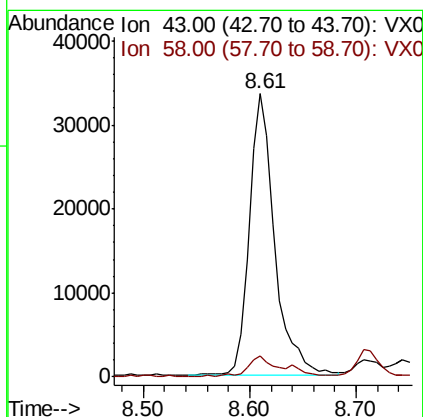
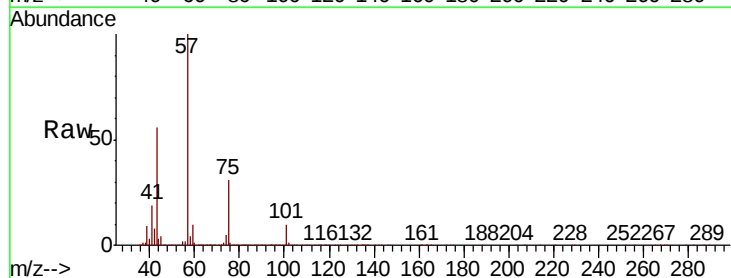
Acq: 21 Aug 2019 00:01

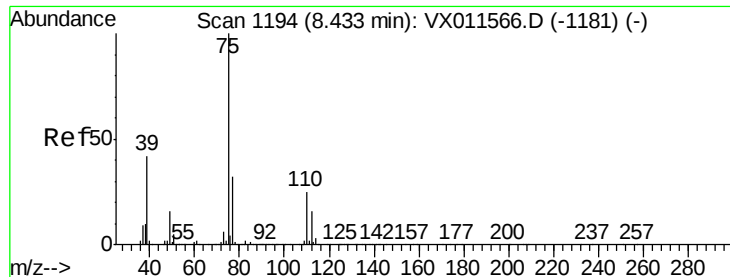
Tgt Ion: 43 Resp: 56197

Ion Ratio Lower Upper

43 100

58 7.9 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 5.046 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

T6-D-(2)

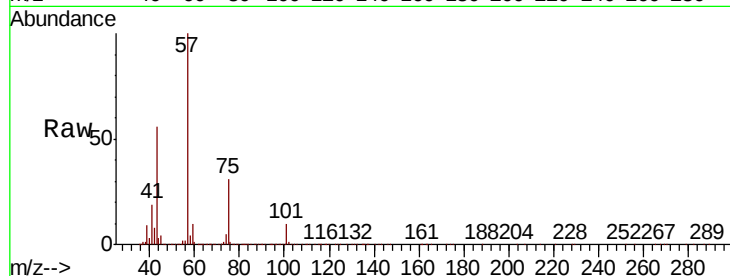
Tgt Ion: 75 Resp: 26214

Ion Ratio Lower Upper

75 100

77 0.7 25.5 38.3#

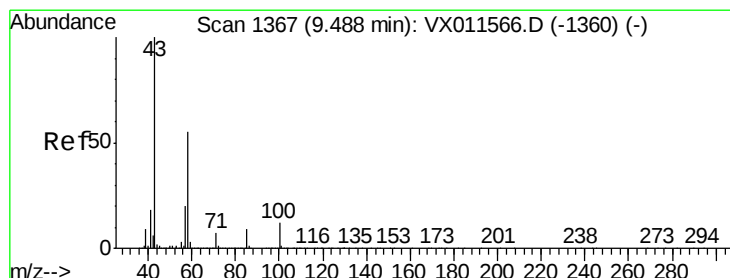
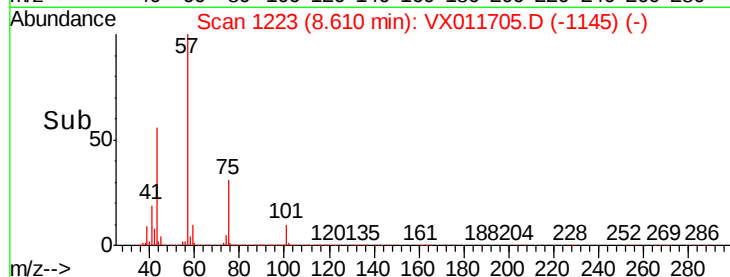
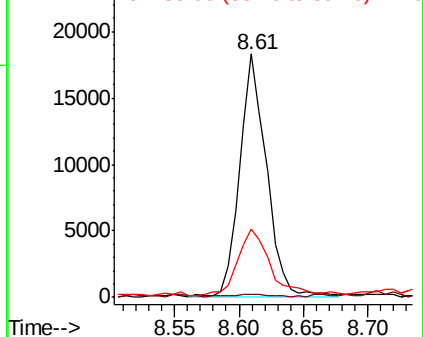
39 27.1 33.6 50.4#



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: 14.850 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011705.D

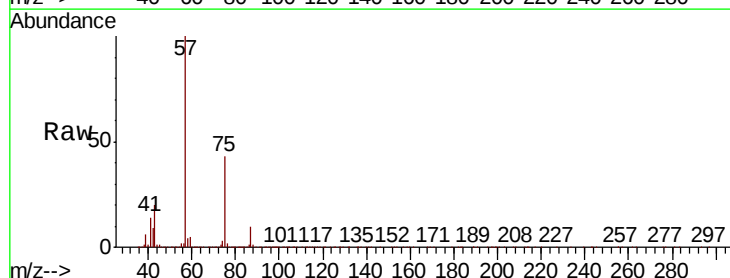
Acq: 21 Aug 2019 00:01

Tgt Ion: 43 Resp: 59519

Ion Ratio Lower Upper

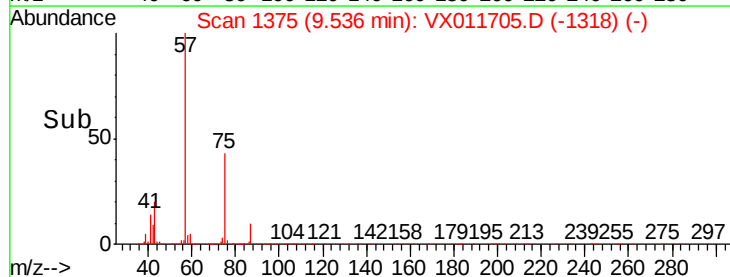
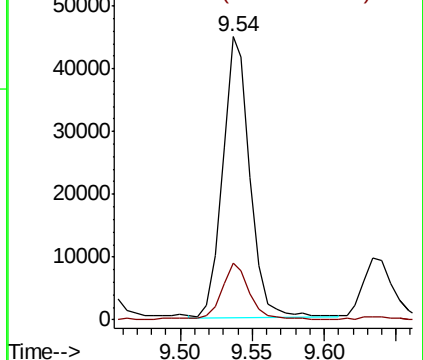
43 100

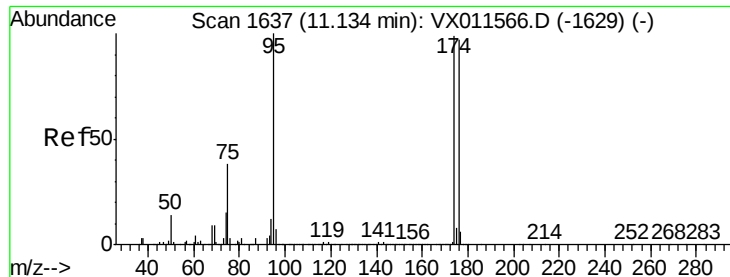
58 21.8 27.5 82.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.458 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

T6-D-(2)

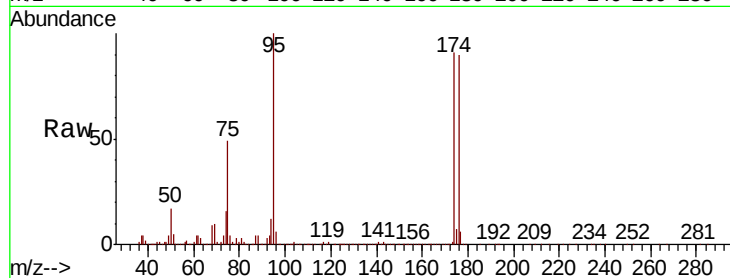
Tgt Ion: 95 Resp: 206764

Ion Ratio Lower Upper

95 100

174 96.9 0.0 200.6

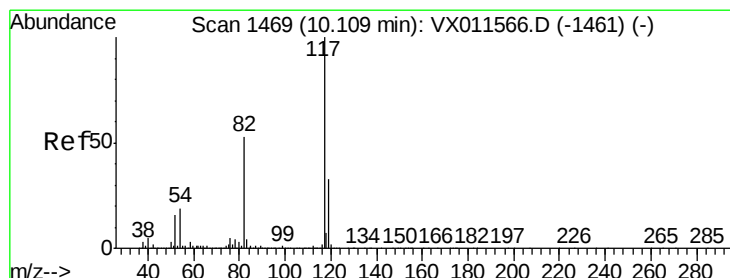
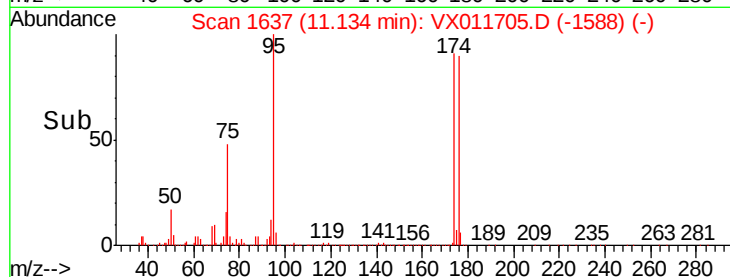
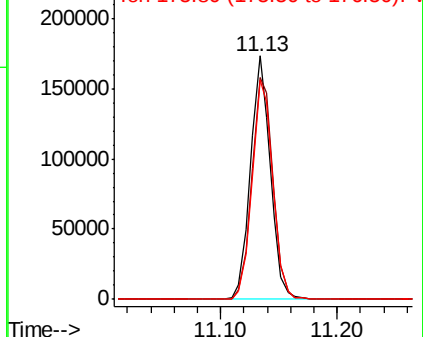
176 93.6 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX011705.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011705.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011705.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

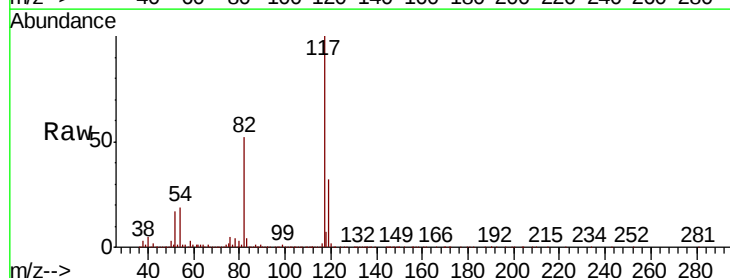
Tgt Ion: 117 Resp: 466484

Ion Ratio Lower Upper

117 100

82 51.5 42.0 63.0

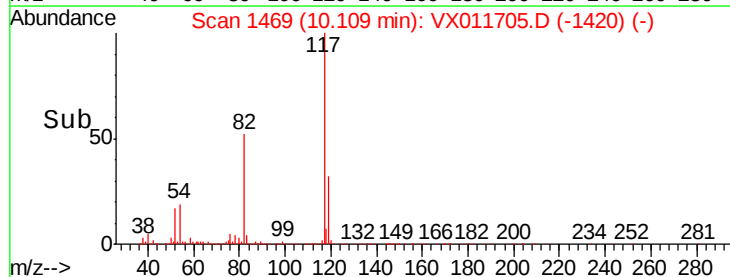
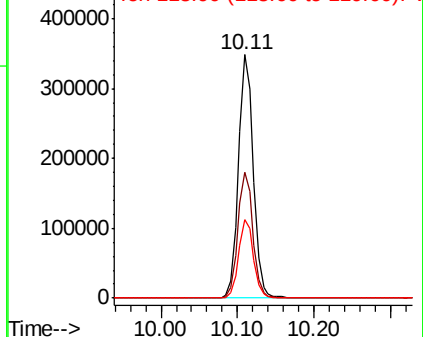
119 32.0 26.5 39.7

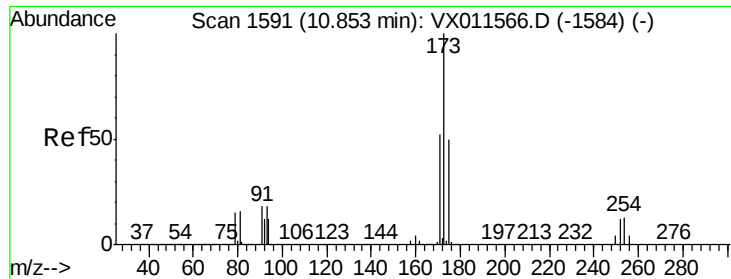


Abundance Ion 116.90 (116.60 to 117.60): VX011705.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011705.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011705.D (-1420) (-)





#71

Bromoform

Concen: 3.323 ug/l

RT: 10.75 min Scan# 1574

Delta R.T. -0.10 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampled :

T6-D-(2)

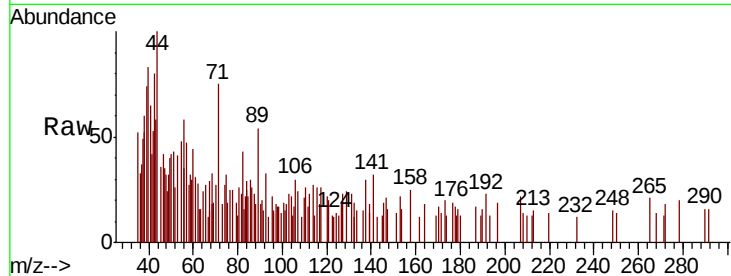
Tgt Ion:173 Resp: 123

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

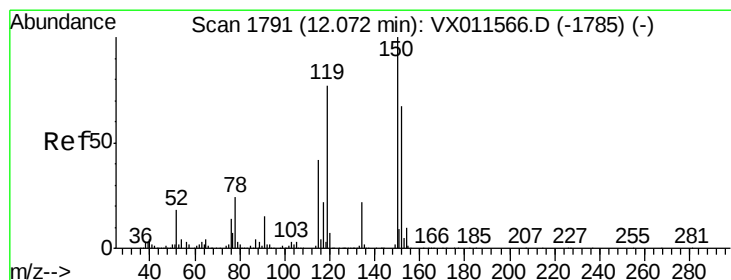
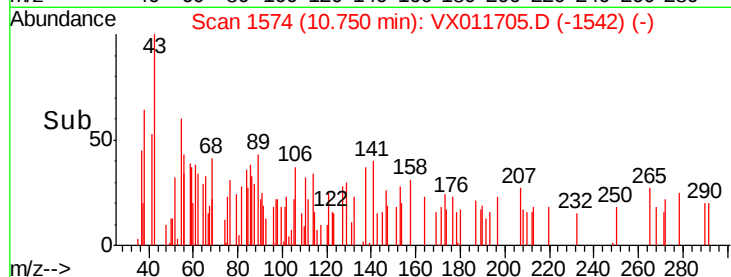
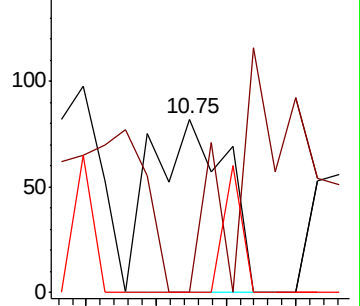
254 17.9 0.1 0.1#



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: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

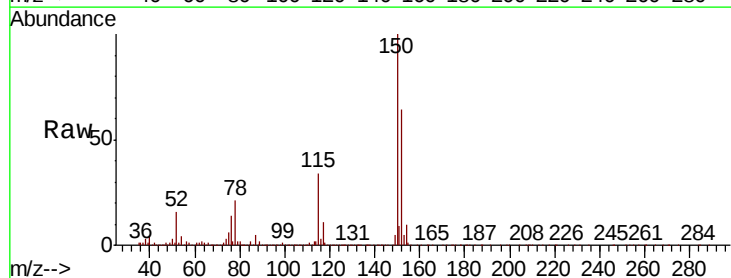
Tgt Ion:152 Resp: 202423

Ion Ratio Lower Upper

152 100

115 54.4 37.3 111.9

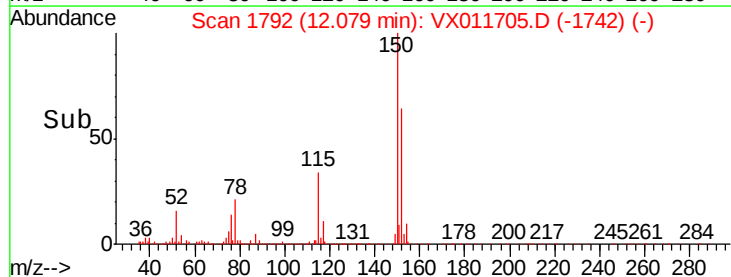
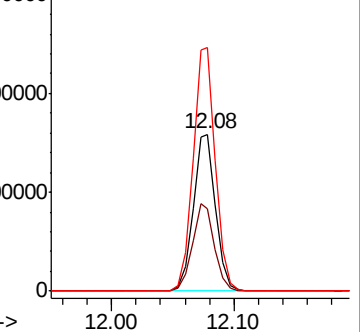
150 155.0 0.0 346.2

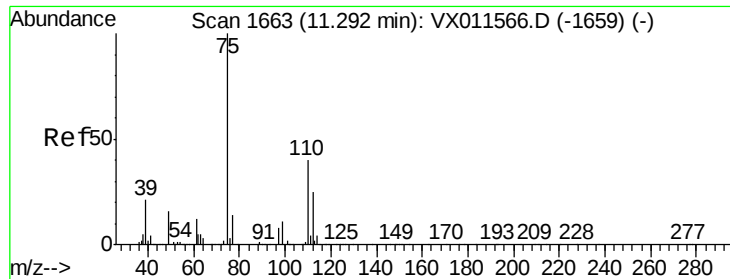


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

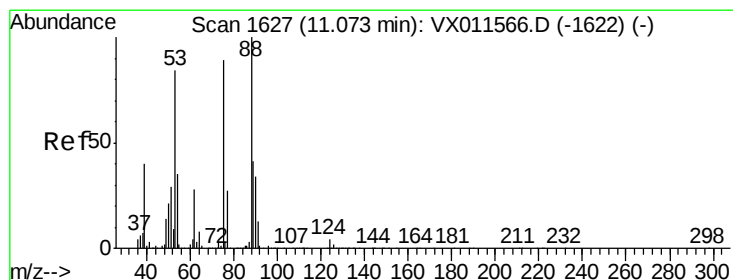
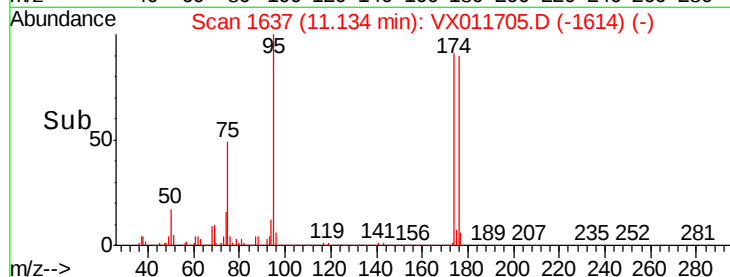
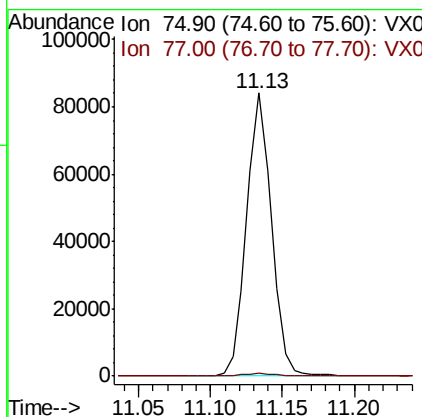
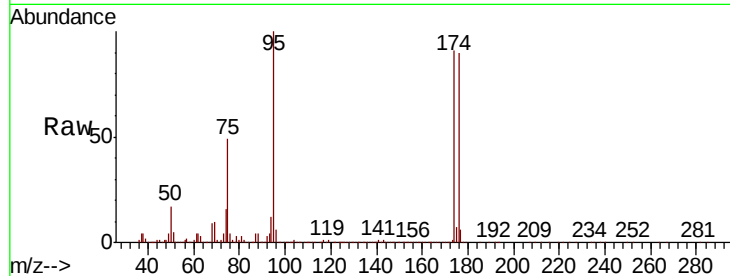




#76
 1,2,3-Trichloropropane
 Concen: 26.015 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011705.D
 Acq: 21 Aug 2019 00:01

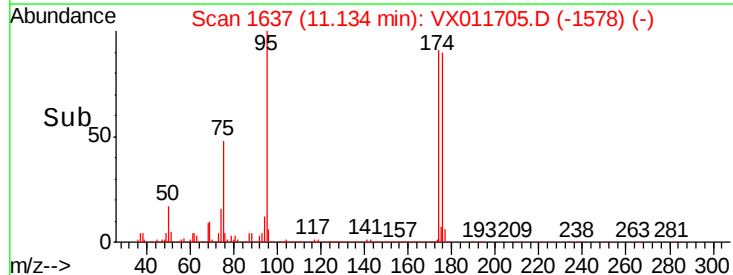
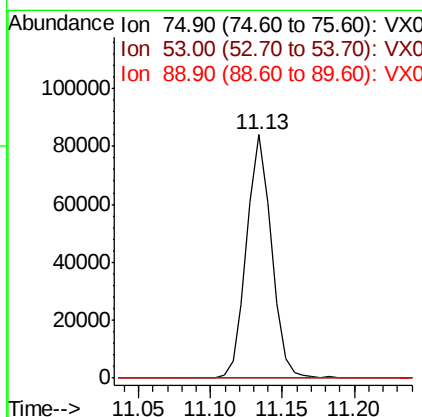
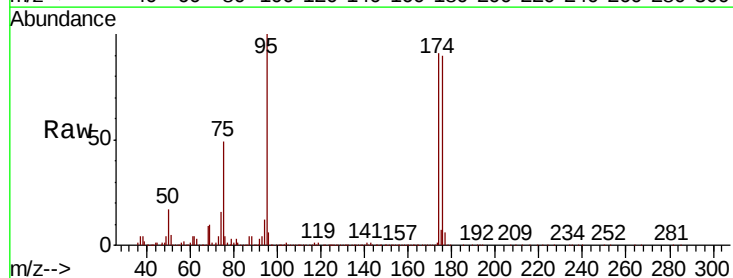
Instrument :
 MSVOA_X
 ClientSampleId :
 T6-D-(2)

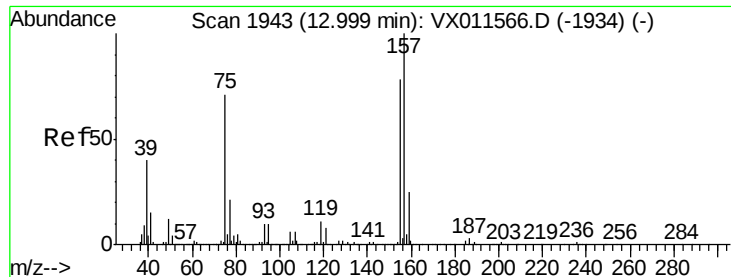
Tgt Ion: 75 Resp: 99858
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.637 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011705.D
 Acq: 21 Aug 2019 00:01

Tgt Ion: 75 Resp: 99858
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.4 116.0#
 89 0.0 37.3 55.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.274 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

T6-D-(2)

Tgt Ion: 75 Resp: 283

Ion Ratio Lower Upper

75 100

155 42.0 53.0 159.0#

157 0.0 68.3 205.1#

