

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
 Data File : VX011782.D
 Acq On : 22 Aug 2019 23:11
 Operator : JC/SP
 Sample : K4403-27
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H3-(2.5)

Quant Time: Aug 23 02:07:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	449556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	610279	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	552002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	268457	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	204787	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	
35) Dibromofluoromethane	5.49	113	183011	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	
50) Toluene-d8	8.71	98	694863	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.13	95	237286	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	

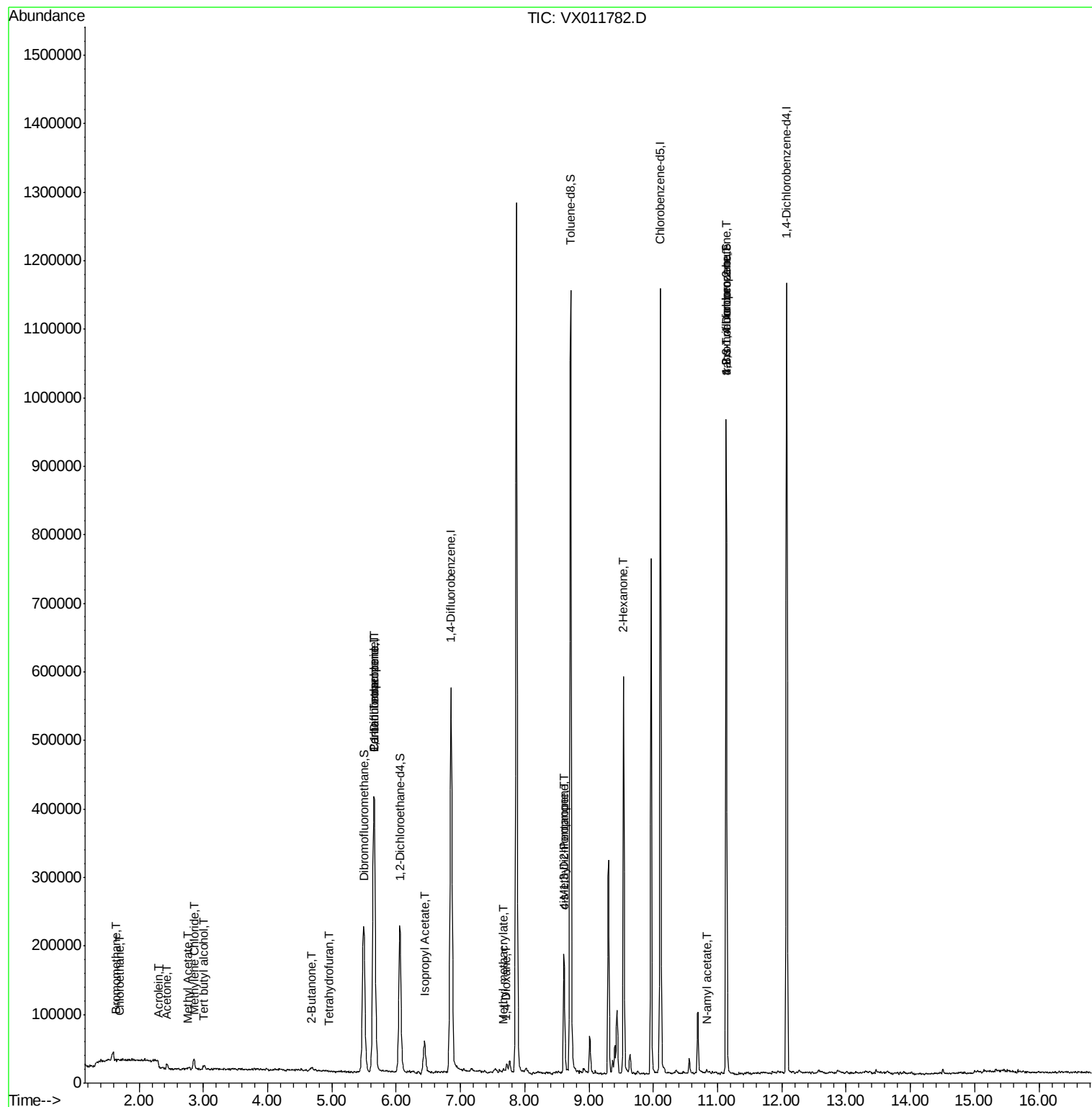
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	599	0.296	ug/l #	3
6) Chloroethane	1.70	64	565	0.263	ug/l #	75
11) Tert butyl alcohol	3.01	59	4059	4.548	ug/l #	84
13) Acrolein	2.31	56	327	0.948	ug/l #	1
16) Acetone	2.43	43	7978	4.061	ug/l	99
18) Methyl Acetate	2.76	43	4425	0.830	ug/l	95
20) Methylene Chloride	2.85	84	8533	2.125	ug/l	91
25) 2-Butanone	4.67	43	1107	0.393	ug/l #	79
29) Tetrahydrofuran	4.95	42	416	0.230	ug/l	93
36) 1,1-Dichloropropene	5.65	75	23784	4.970	ug/l #	53
38) Carbon Tetrachloride	5.65	117	37564	6.926	ug/l #	16
43) Isopropyl Acetate	6.44	43	63167	7.706	ug/l	96
48) Methyl methacrylate	7.68	41	4032	0.988	ug/l #	14
49) 1,4-Dioxane	7.71	88	178	1.575	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	58274	10.789	ug/l #	53
54) cis-1,3-Dichloropropene	8.61	75	29180	5.159	ug/l #	64
59) 2-Hexanone	9.54	43	64180	15.482	ug/l #	52
74) N-amyl acetate	10.82	43	2802	0.447	ug/l #	59
76) 1,2,3-Trichloropropane	11.13	75	105848	22.470	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	105848	67.766	ug/l #	11

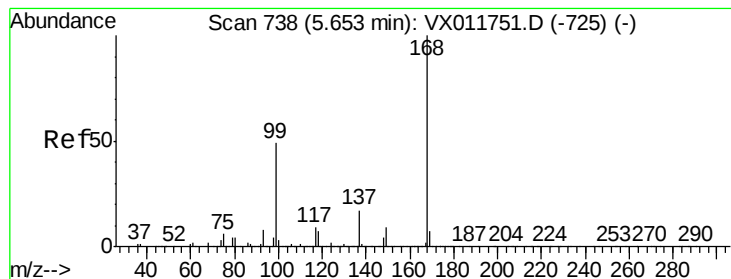
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011782.D

Acq: 22 Aug 2019 23:11

Instrument :

MSVOA_X

ClientSampled :

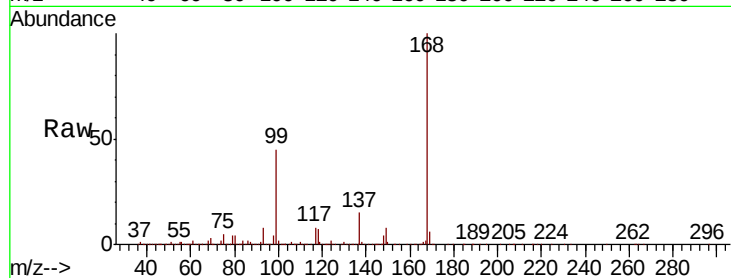
T1-H3-(2.5)

Tgt Ion:168 Resp: 449556

Ion Ratio Lower Upper

168 100

99 44.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

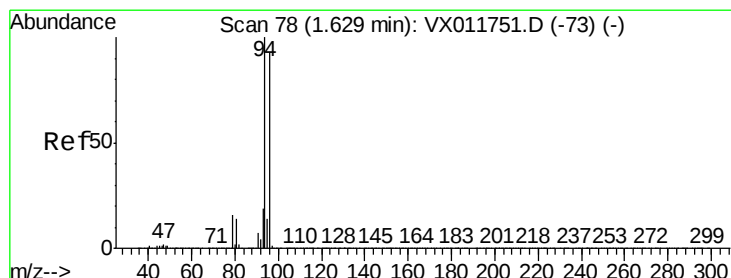
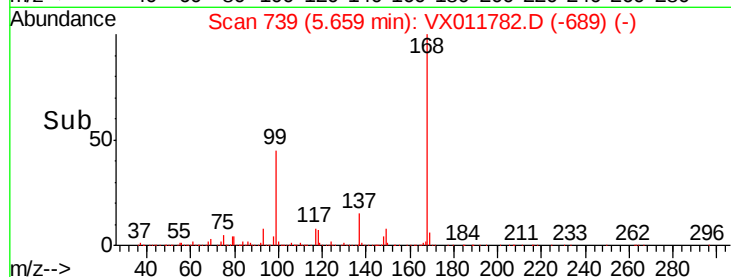
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.296 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011782.D

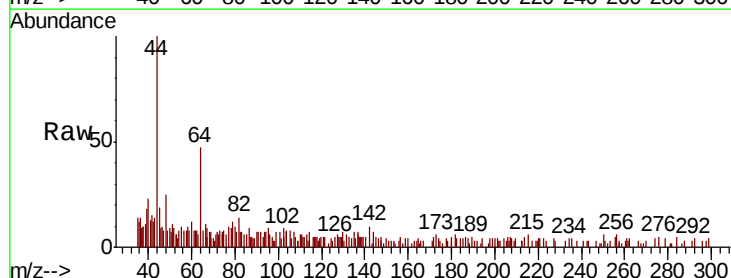
Acq: 22 Aug 2019 23:11

Tgt Ion: 94 Resp: 599

Ion Ratio Lower Upper

94 100

96 0.0 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

300

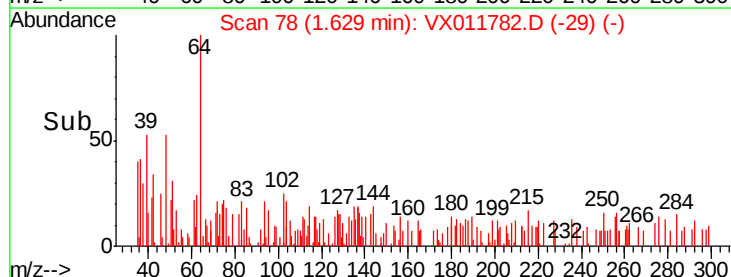
200

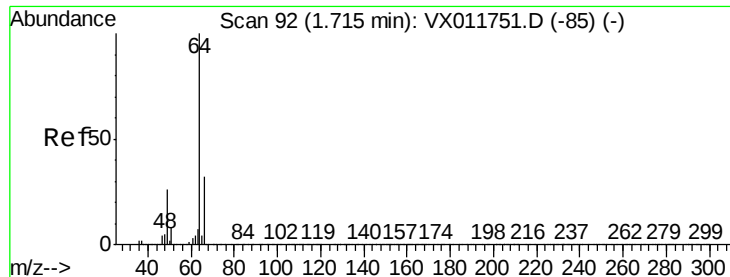
100

0

Time-->

1.60 1.62 1.64 1.66





#6

Chloroethane

Concen: 0.263 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

Instrument :

MSVOA_X

ClientSampled :

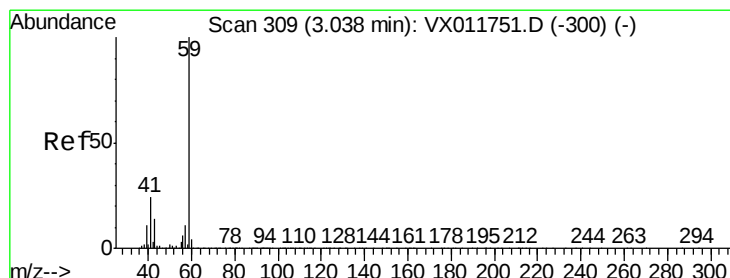
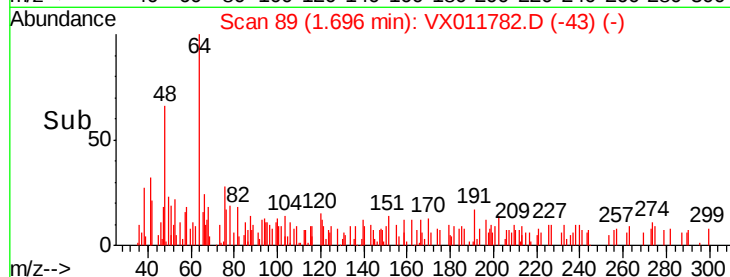
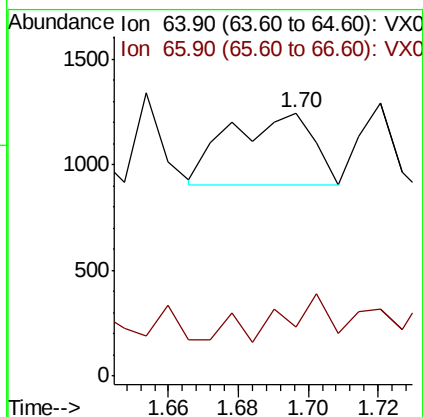
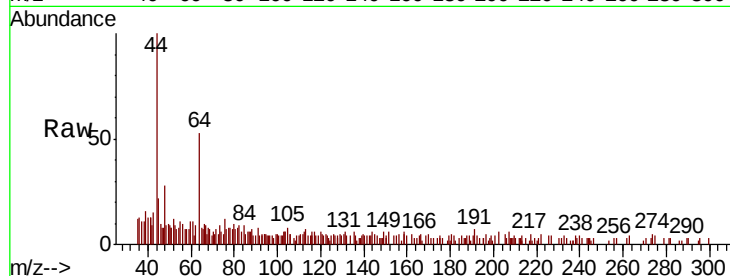
T1-H3-(2.5)

Tgt Ion: 64 Resp: 565

Ion Ratio Lower Upper

64 100

66 17.3 24.9 37.3#



#11

Tert butyl alcohol

Concen: 4.548 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011782.D

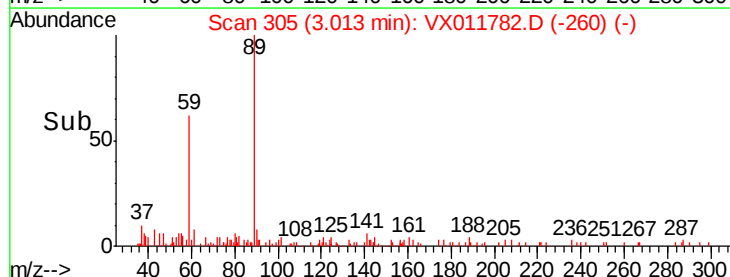
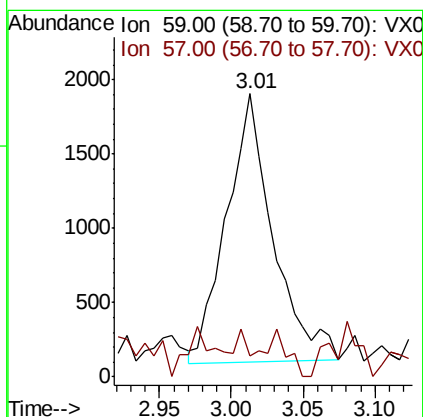
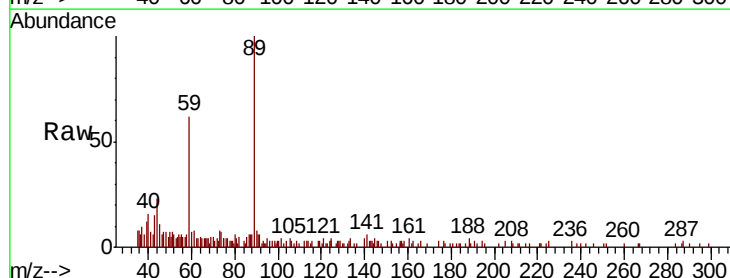
Acq: 22 Aug 2019 23:11

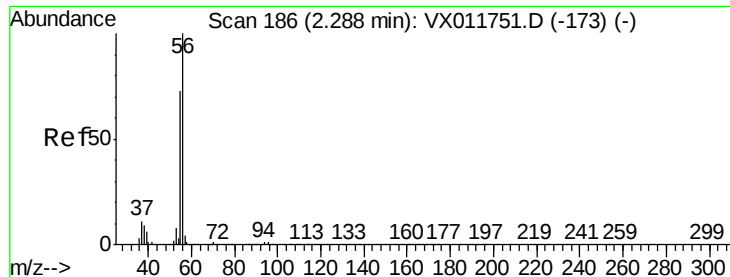
Tgt Ion: 59 Resp: 4059

Ion Ratio Lower Upper

59 100

57 4.6 8.4 12.6#





#13

Acrolein

Concen: 0.948 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

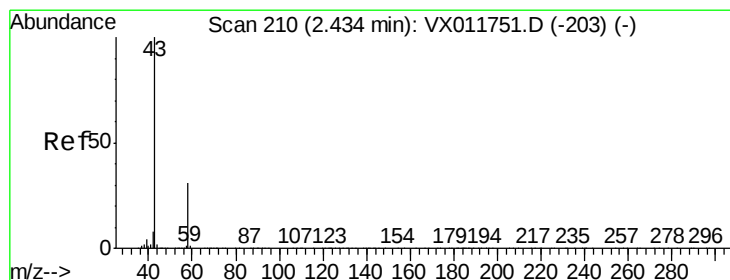
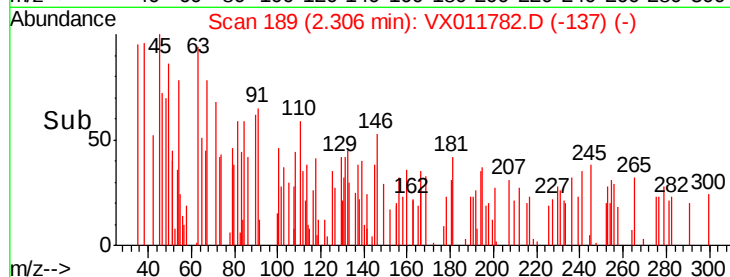
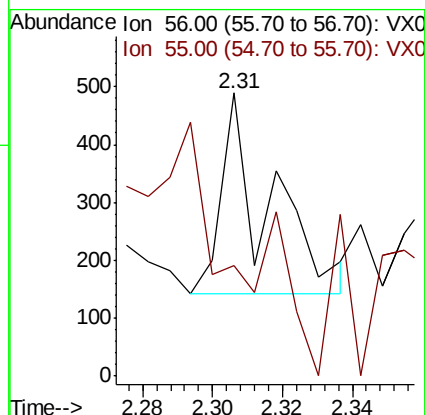
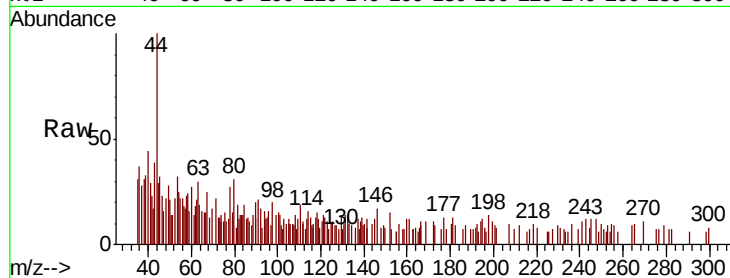
T1-H3-(2.5)

Tgt Ion: 56 Resp: 327

Ion Ratio Lower Upper

56 100

55 215.9 54.8 82.2#



#16

Acetone

Concen: 4.061 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011782.D

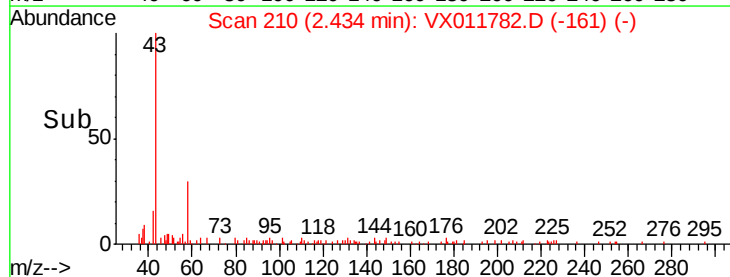
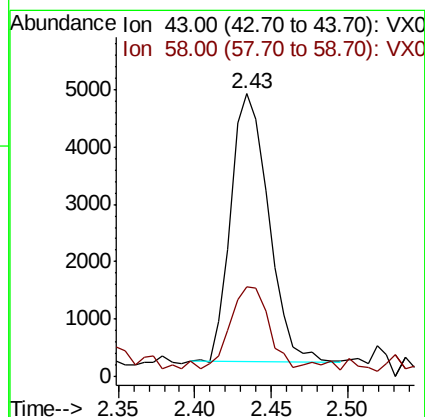
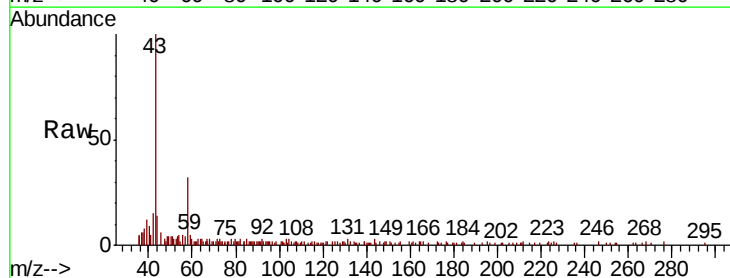
Acq: 22 Aug 2019 23:11

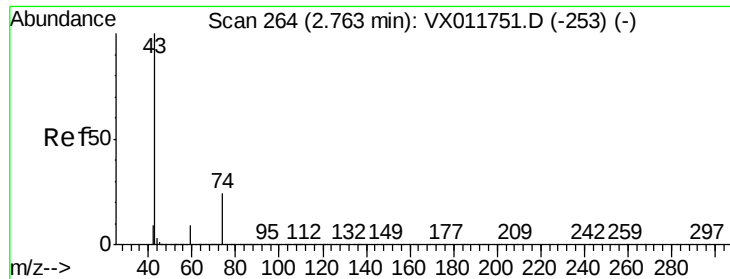
Tgt Ion: 43 Resp: 7978

Ion Ratio Lower Upper

43 100

58 30.9 24.4 36.6

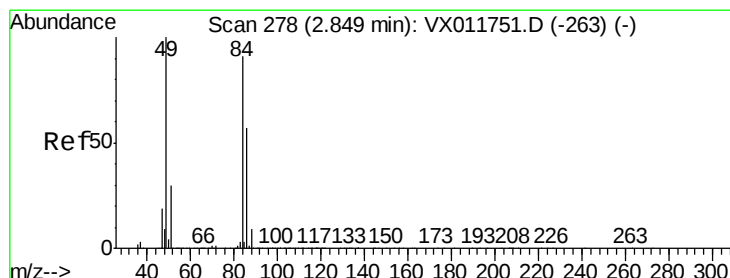
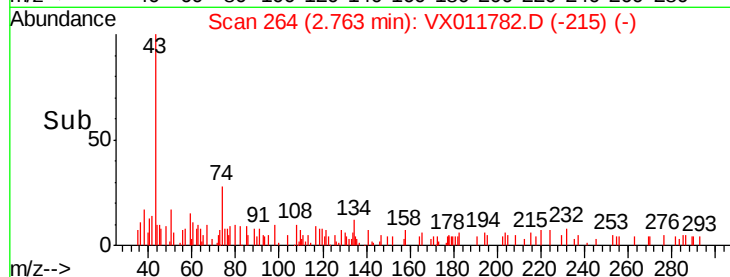
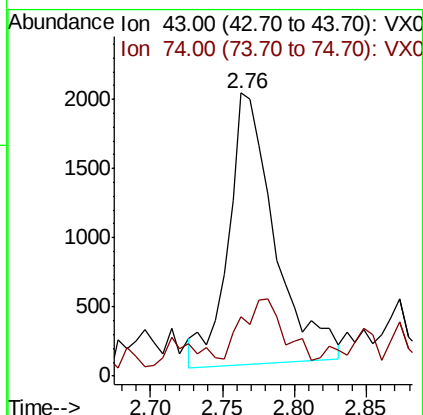
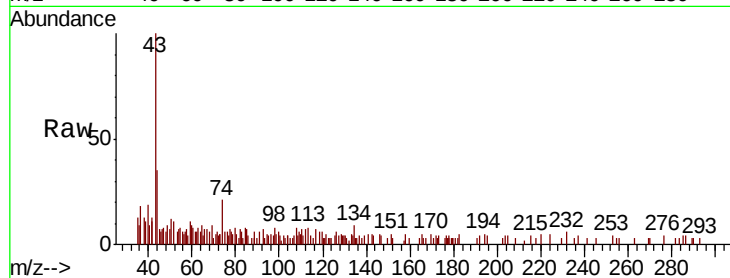




#18
Methyl Acetate
Concen: 0.830 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX011782.D
Acq: 22 Aug 2019 23:11

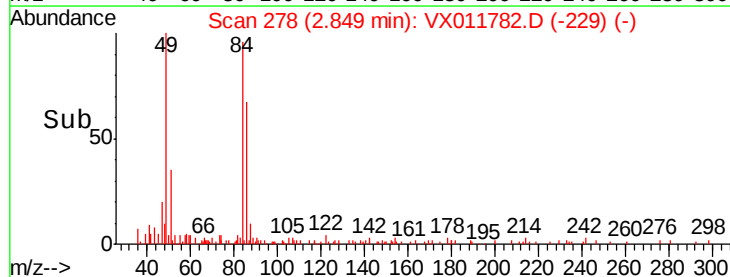
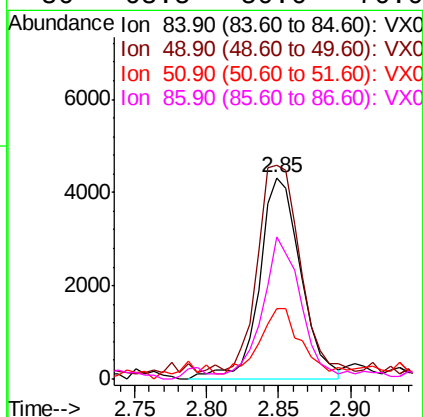
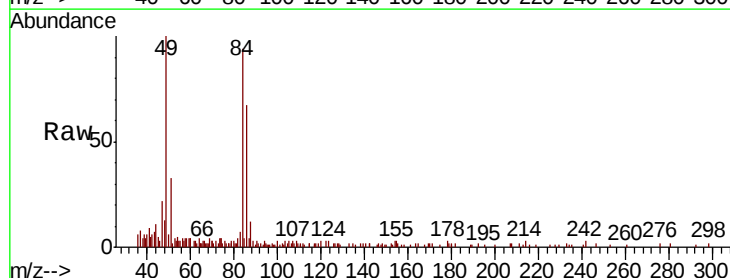
Instrument :
MSVOA_X
ClientSampleId :
T1-H3-(2.5)

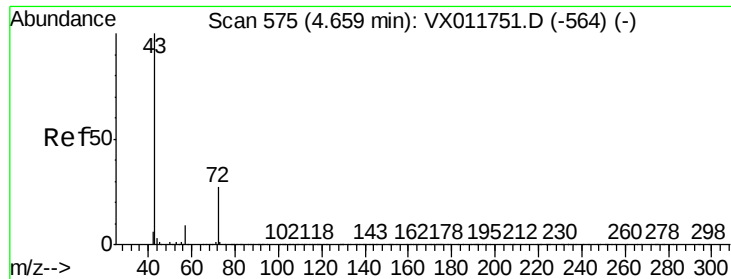
Tgt Ion: 43 Resp: 4425
Ion Ratio Lower Upper
43 100
74 22.0 19.5 29.3



#20
Methylene Chloride
Concen: 2.125 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011782.D
Acq: 22 Aug 2019 23:11

Tgt Ion: 84 Resp: 8533
Ion Ratio Lower Upper
84 100
49 98.6 88.3 132.5
51 29.1 26.2 39.2
86 68.5 50.6 76.0





#25

2-Butanone

Concen: 0.393 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

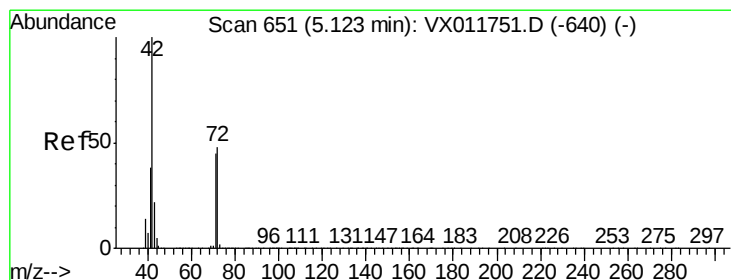
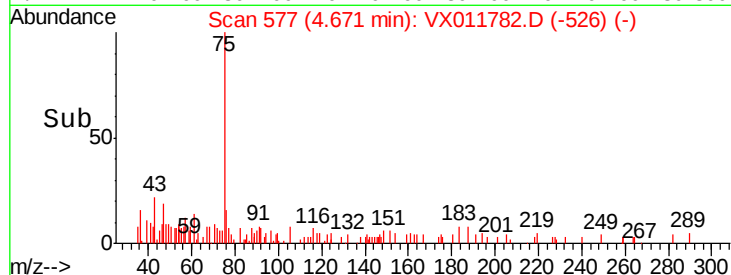
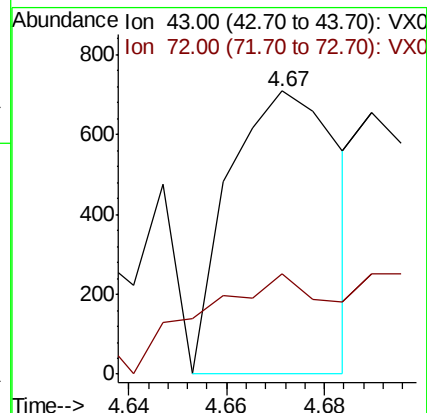
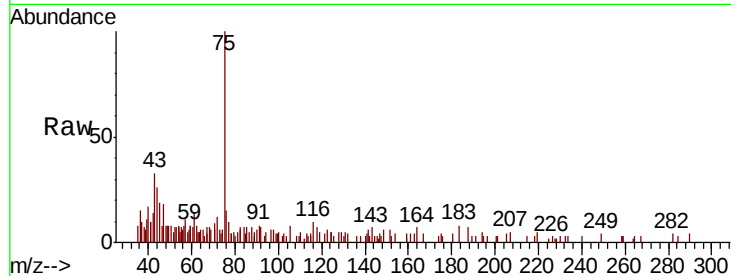
T1-H3-(2.5)

Tgt Ion: 43 Resp: 1107

Ion Ratio Lower Upper

43 100

72 16.1 21.8 32.6#



#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 4.95 min Scan# 623

Delta R.T. -0.17 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

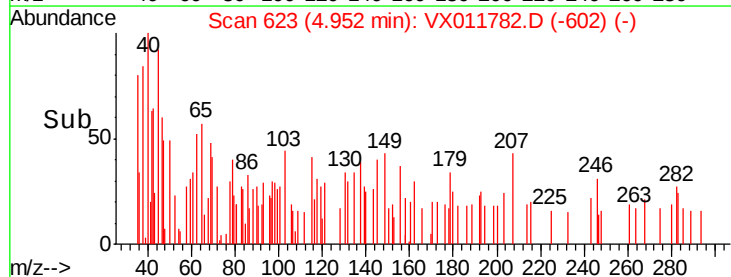
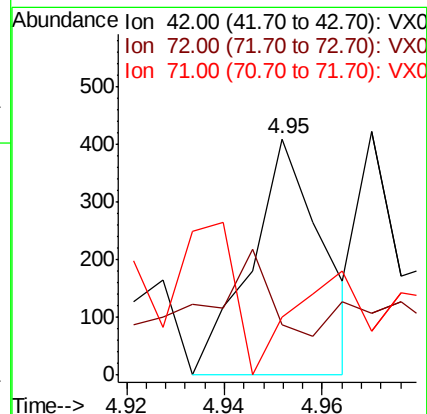
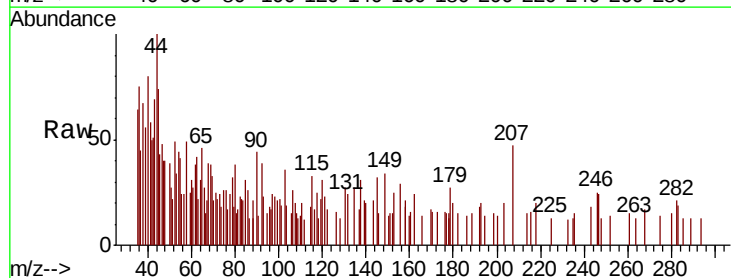
Tgt Ion: 42 Resp: 416

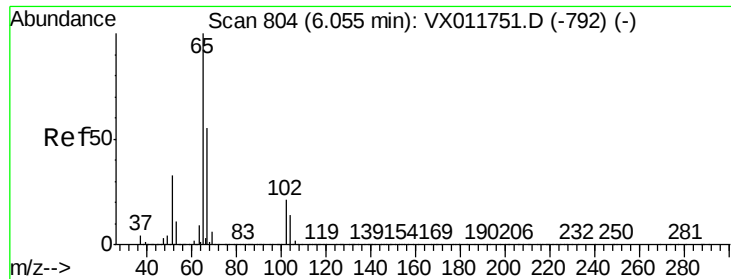
Ion Ratio Lower Upper

42 100

72 39.7 37.6 56.4

71 45.2 34.6 51.8

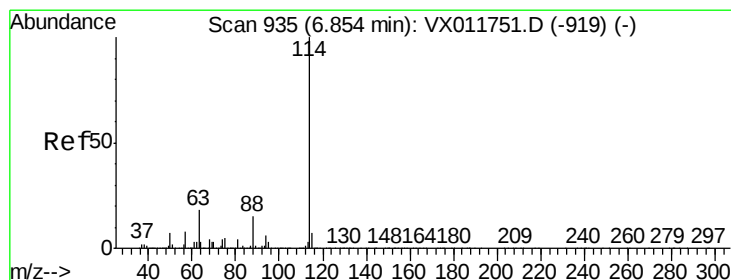
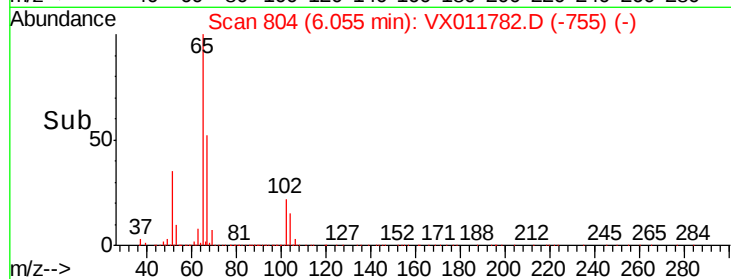
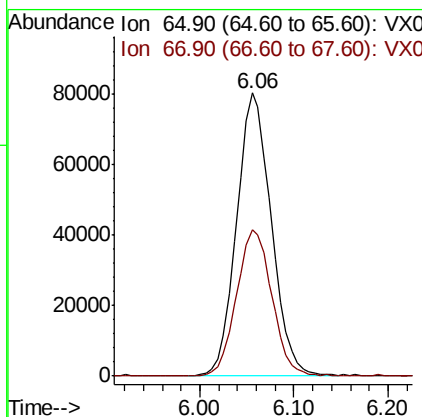
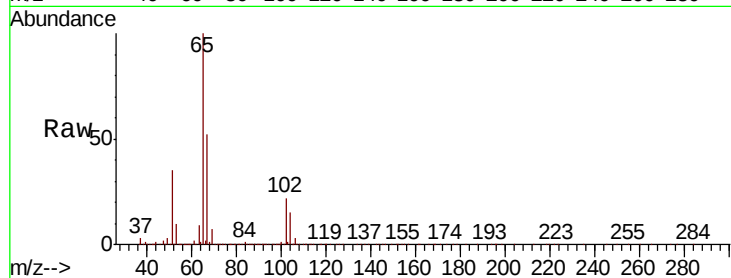




#33
 1,2-Dichloroethane-d4
 Concen: 45.346 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011782.D
 Acq: 22 Aug 2019 23:11

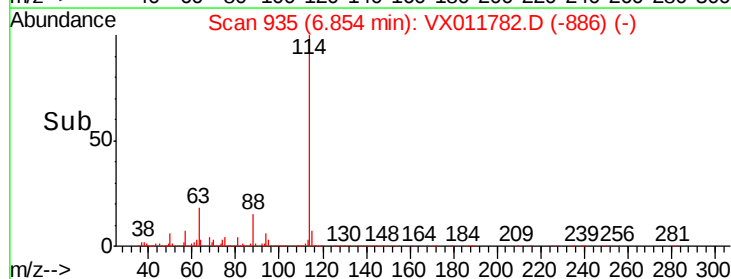
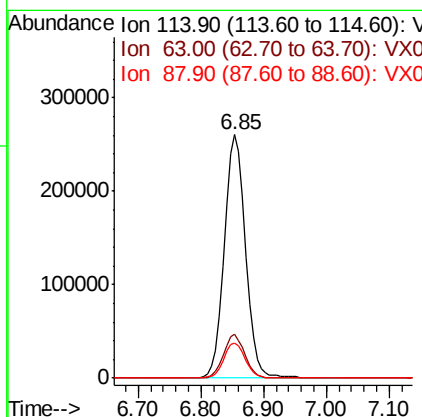
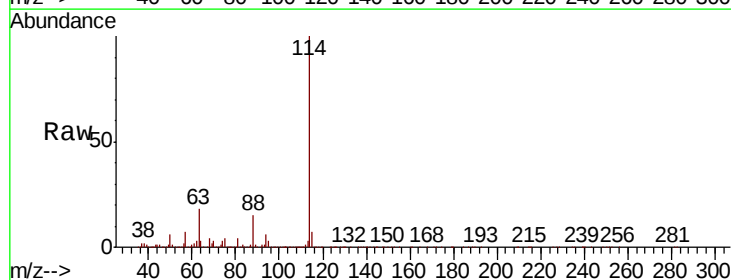
Instrument :
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 T1-H3-(2.5)

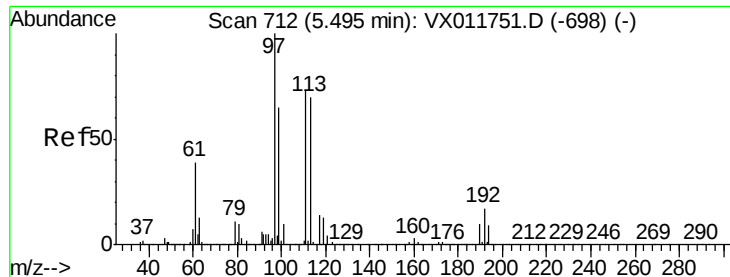
Tgt Ion: 65 Resp: 204787
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011782.D
 Acq: 22 Aug 2019 23:11

Tgt Ion: 114 Resp: 610279
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.8
 88 14.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.375 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
T1-H3-(2.5)

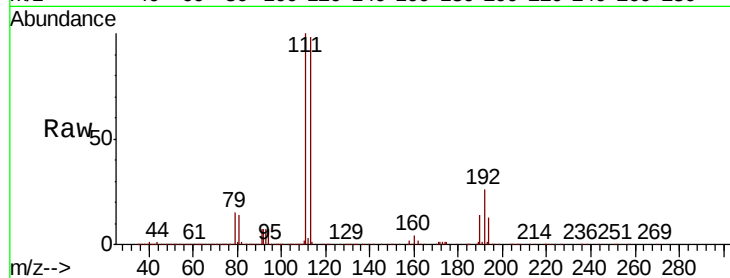
Tgt Ion:113 Resp: 183011

Ion Ratio Lower Upper

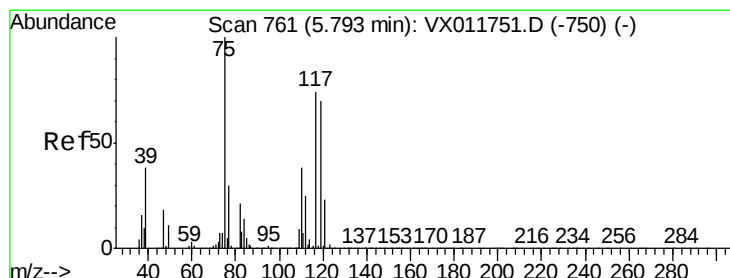
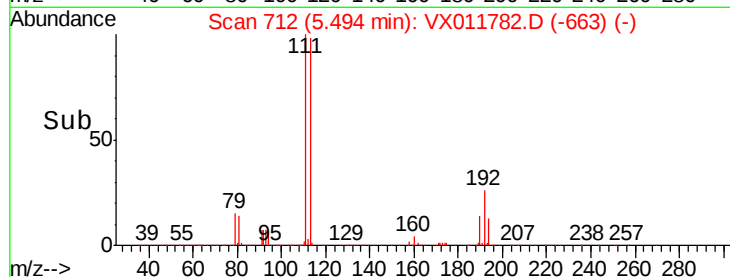
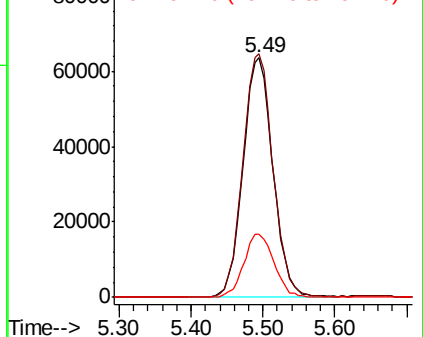
113 100

111 102.6 81.0 121.4

192 26.7 19.9 29.9



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: 4.970 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

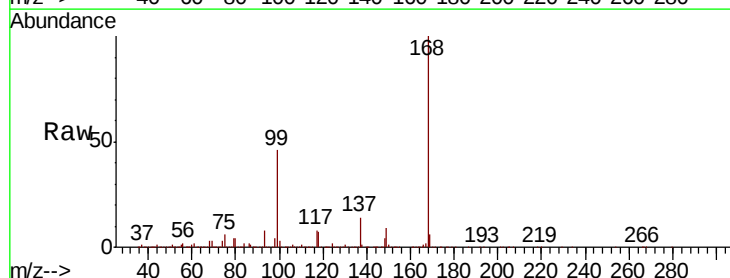
Tgt Ion: 75 Resp: 23784

Ion Ratio Lower Upper

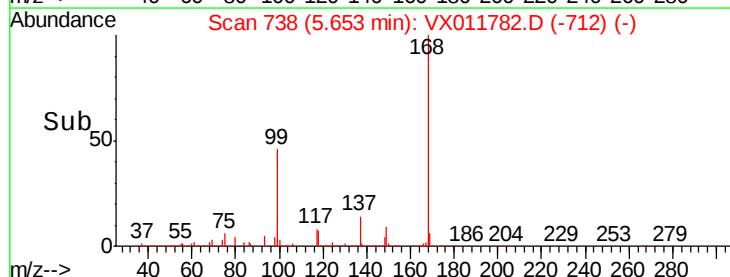
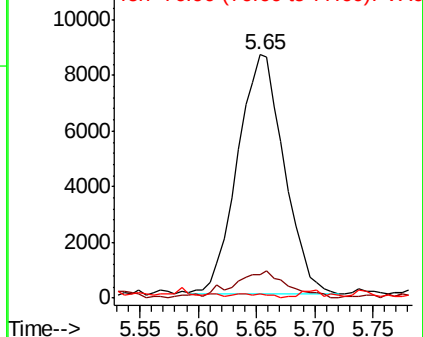
75 100

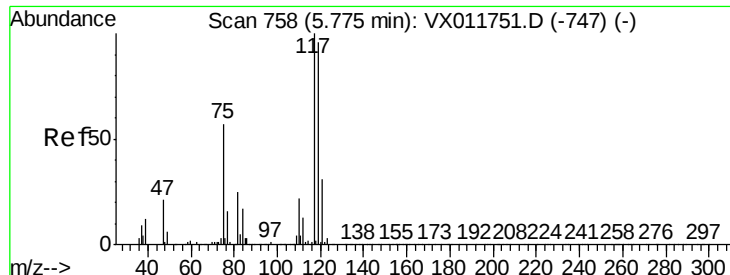
110 13.4 19.0 57.0#

77 1.3 24.6 36.8#



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: 6.926 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

Instrument :

MSVOA_X

ClientSampled :

T1-H3-(2.5)

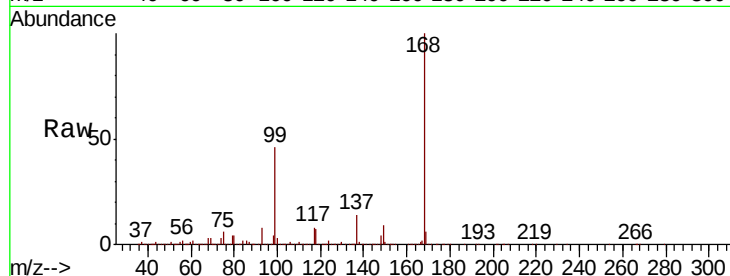
Tgt Ion:117 Resp: 37564

Ion Ratio Lower Upper

117 100

119 4.0 76.6 114.8#

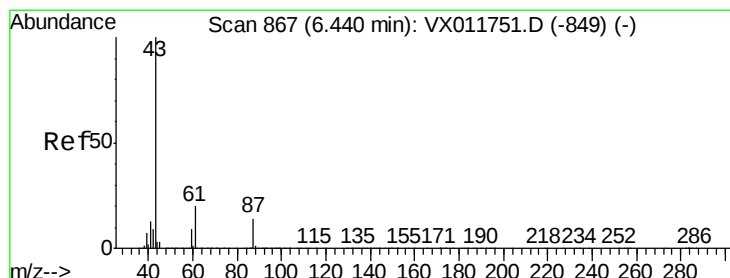
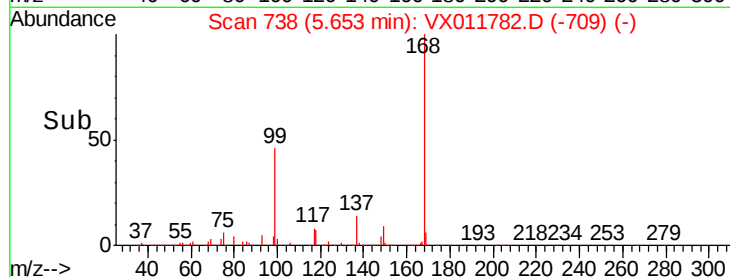
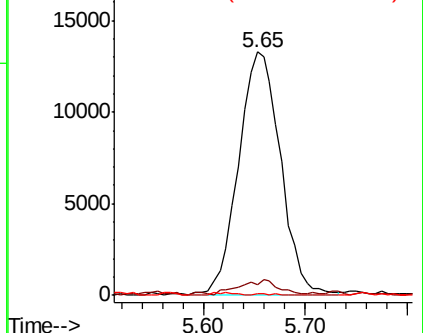
121 0.9 25.2 37.8#



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: 7.706 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

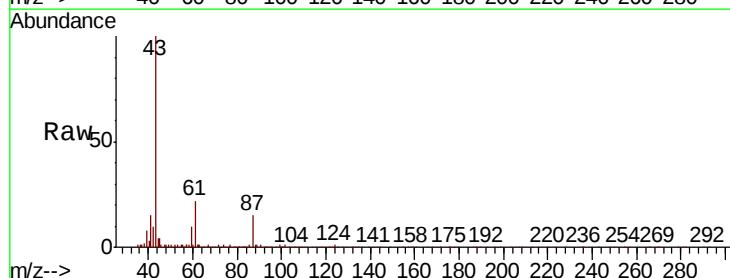
Tgt Ion: 43 Resp: 63167

Ion Ratio Lower Upper

43 100

61 22.1 16.2 24.2

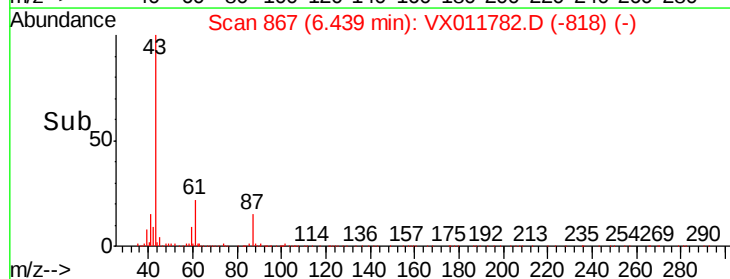
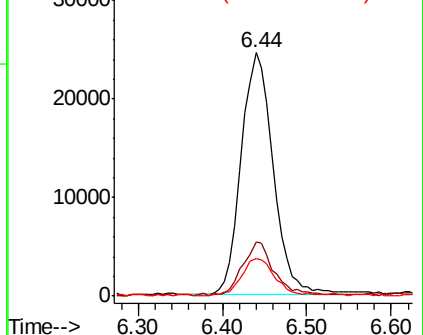
87 16.4 11.6 17.4

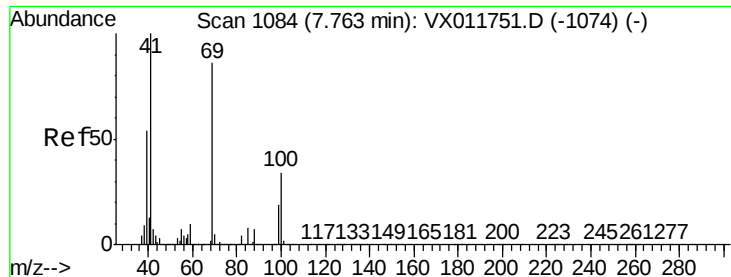


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

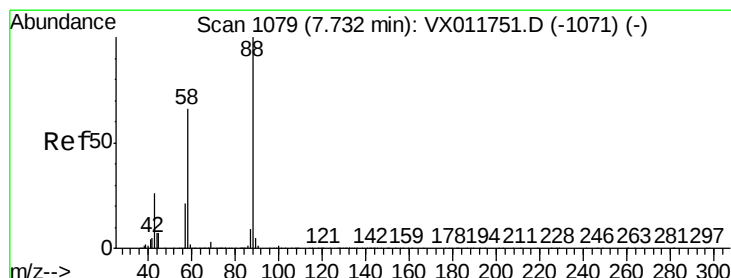
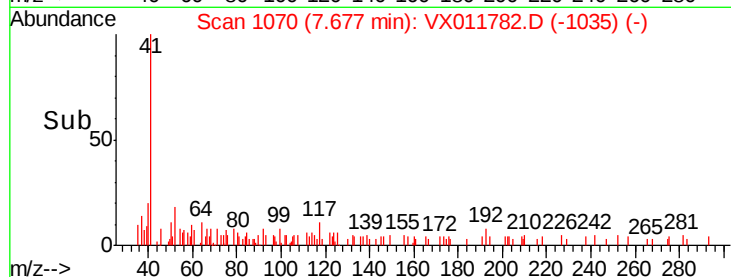
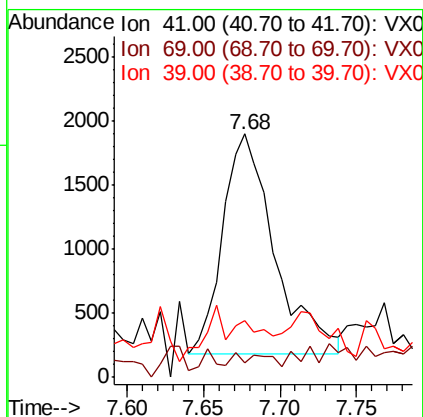
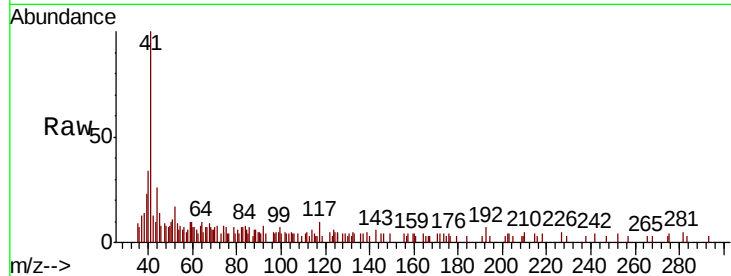




#48
Methyl methacrylate
Concen: 0.988 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011782.D
Acq: 22 Aug 2019 23:11

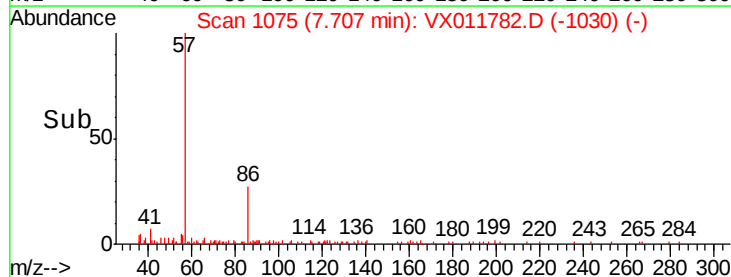
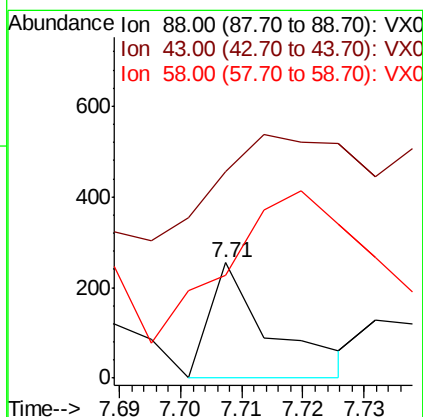
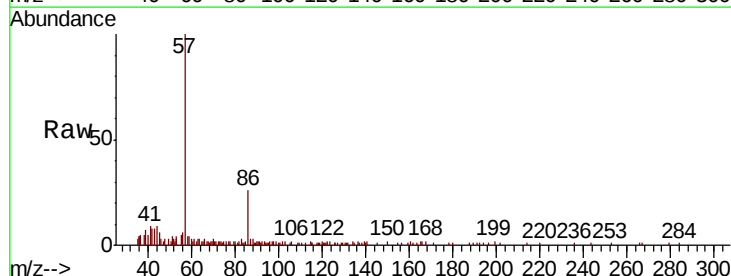
Instrument :
MSVOA_X
ClientSampleId :
T1-H3-(2.5)

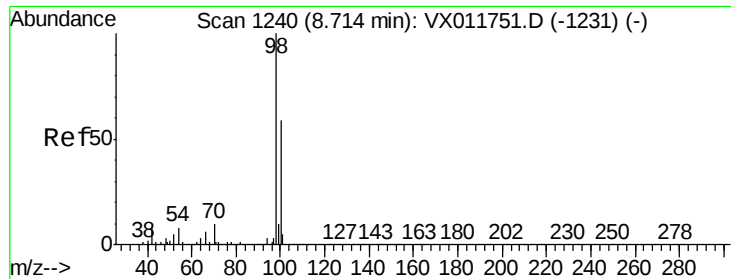
Tgt Ion: 41 Resp: 4032
Ion Ratio Lower Upper
41 100
69 1.2 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 1.575 ug/l
RT: 7.71 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VX011782.D
Acq: 22 Aug 2019 23:11

Tgt Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 301.7 51.4 77.2#





#50

Toluene-d8

Concen: 50.481 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

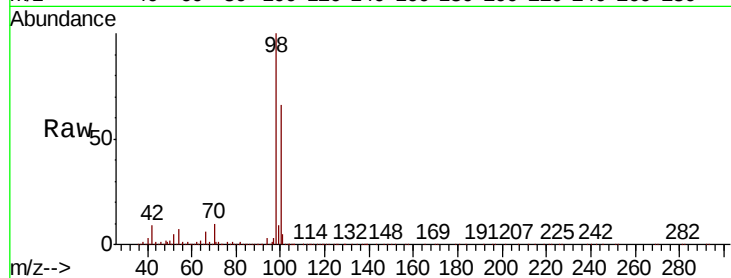
T1-H3-(2.5)

Tgt Ion: 98 Resp: 694863

Ion Ratio Lower Upper

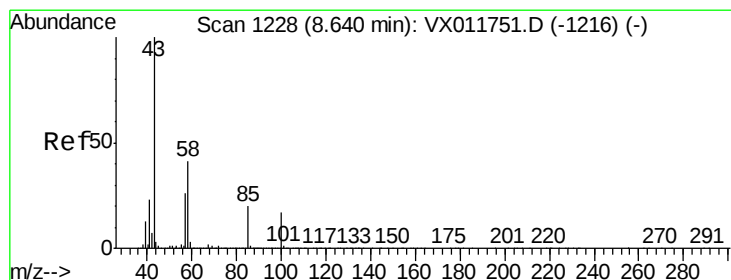
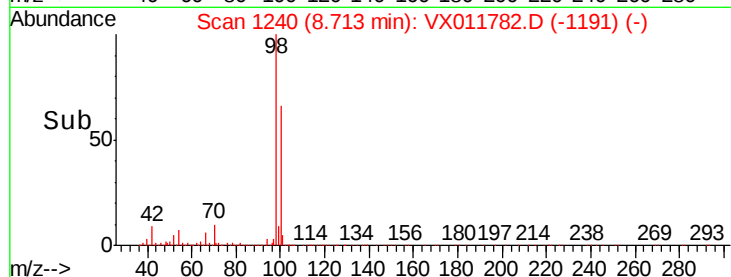
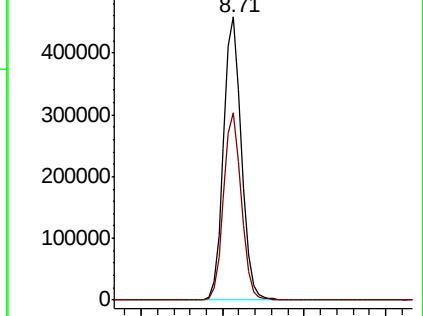
98 100

100 65.7 52.1 78.1



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: 10.789 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011782.D

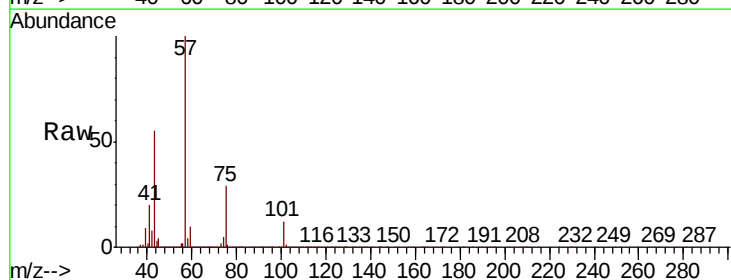
Acq: 22 Aug 2019 23:11

Tgt Ion: 43 Resp: 58274

Ion Ratio Lower Upper

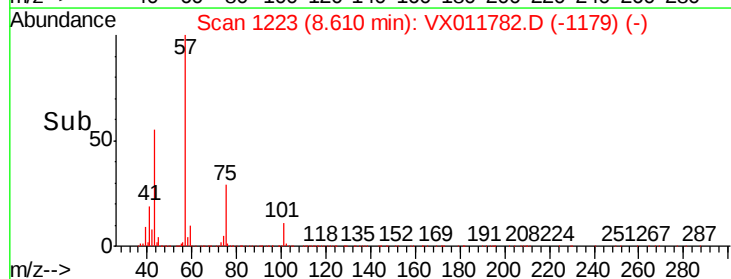
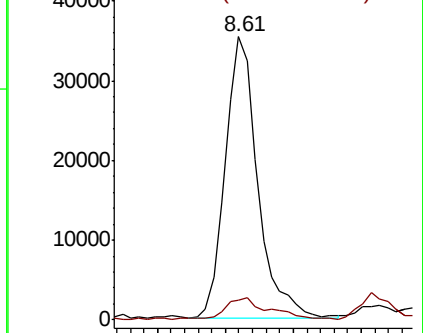
43 100

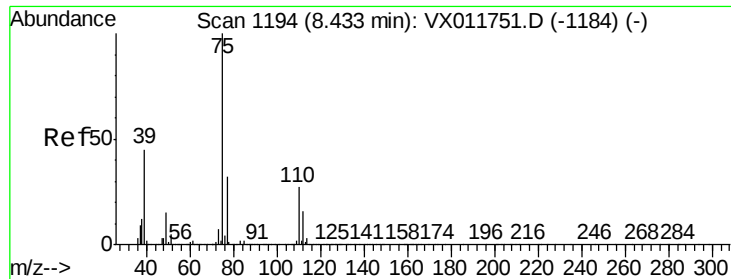
58 11.1 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

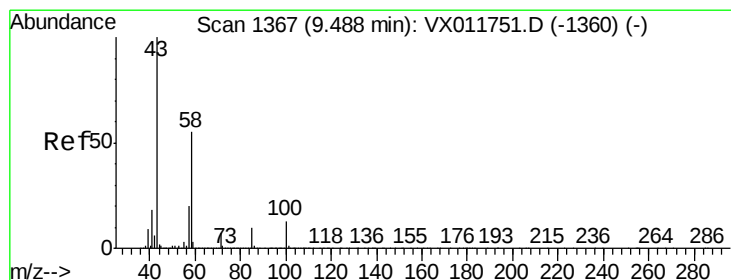
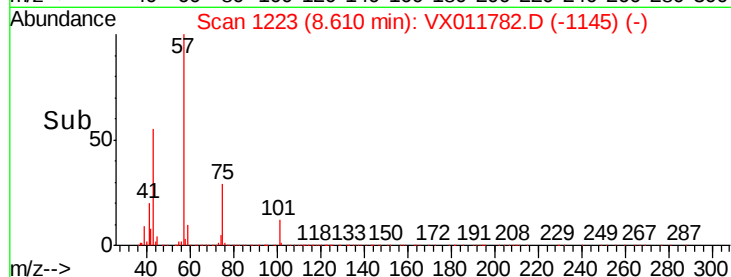
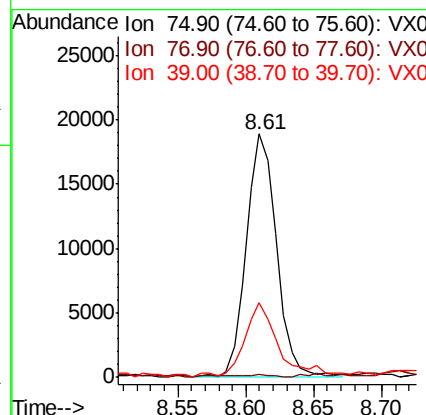
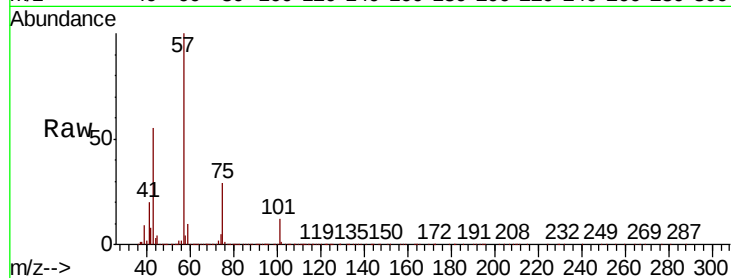




#54
 cis-1,3-Dichloropropene
 Concen: 5.159 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011782.D
 Acq: 22 Aug 2019 23:11

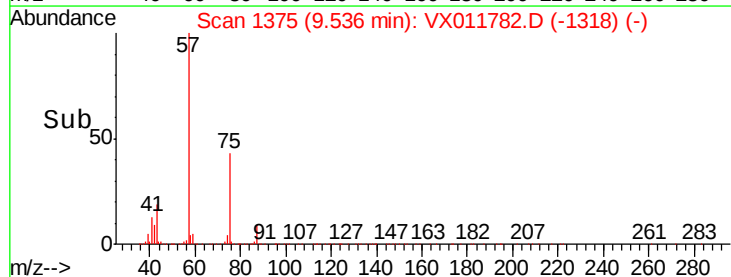
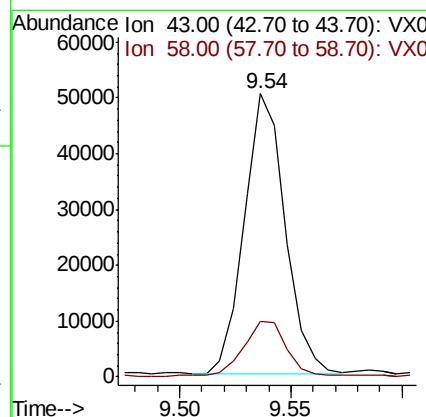
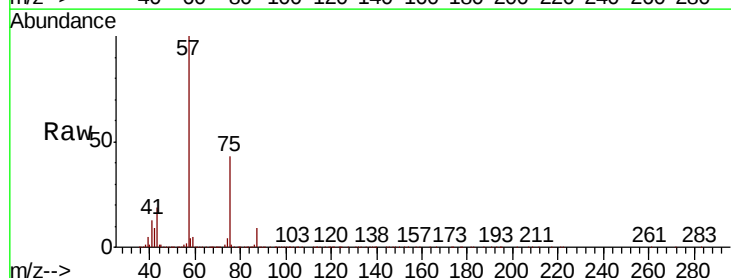
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H3-(2.5)

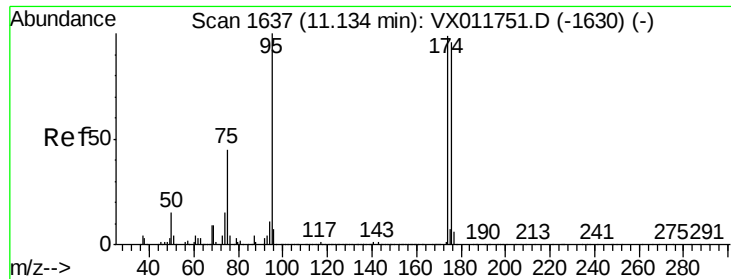
Tgt Ion: 75 Resp: 29180
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.2#
 39 31.0 36.2 54.4#



#59
 2-Hexanone
 Concen: 15.482 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011782.D
 Acq: 22 Aug 2019 23:11

Tgt Ion: 43 Resp: 64180
 Ion Ratio Lower Upper
 43 100
 58 20.8 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 43.613 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

T1-H3-(2.5)

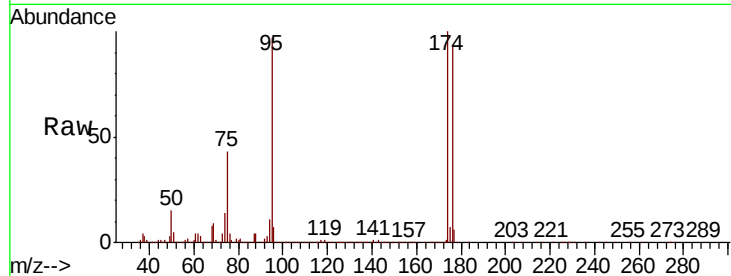
Tgt Ion: 95 Resp: 237286

Ion Ratio Lower Upper

95 100

174 105.2 0.0 197.4

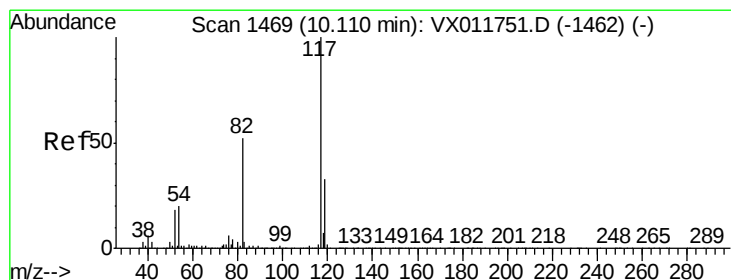
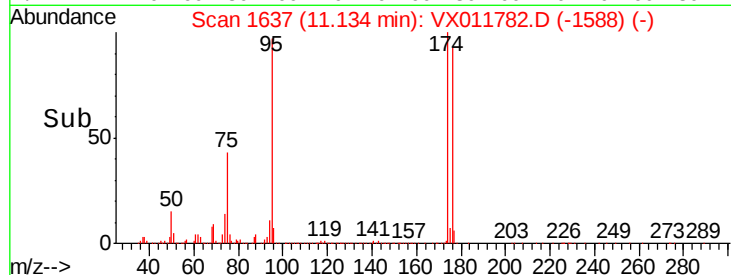
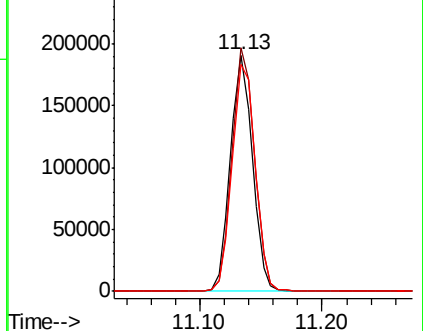
176 100.9 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX011751.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX011751.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX011751.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

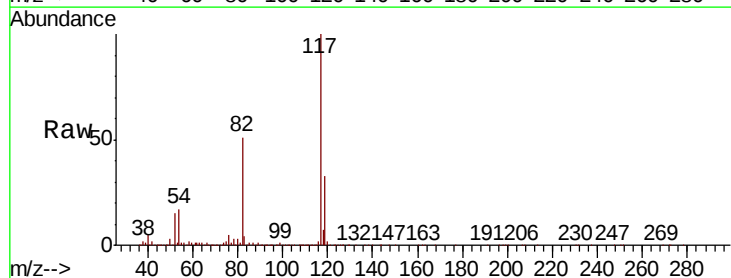
Tgt Ion: 117 Resp: 552002

Ion Ratio Lower Upper

117 100

82 50.9 41.7 62.5

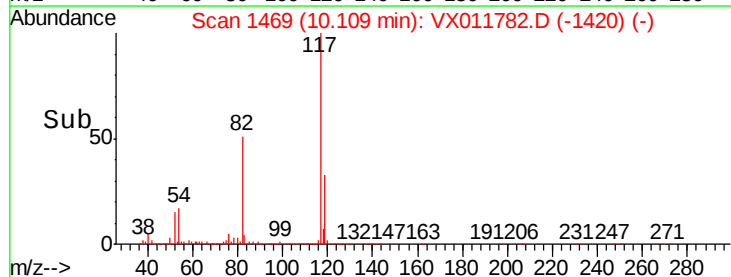
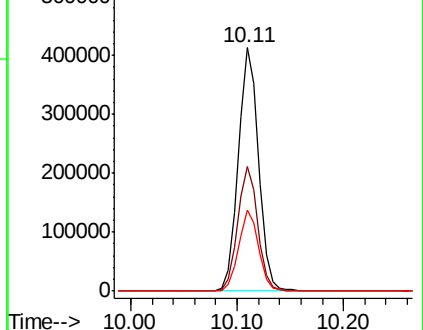
119 33.2 26.2 39.2

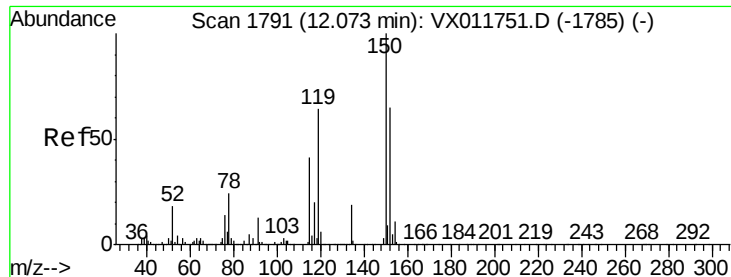


Abundance Ion 116.90 (116.60 to 117.60): VX011751.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX011751.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX011751.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

T1-H3-(2.5)

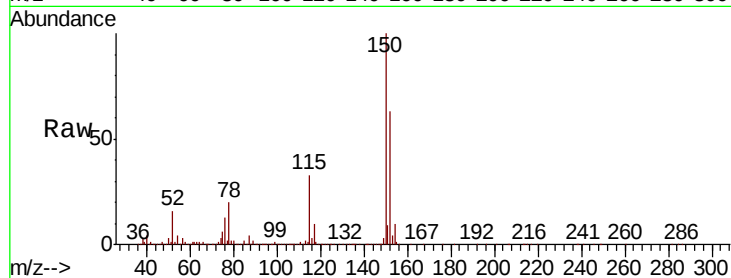
Tgt Ion:152 Resp: 268457

Ion Ratio Lower Upper

152 100

115 51.9 37.3 111.8

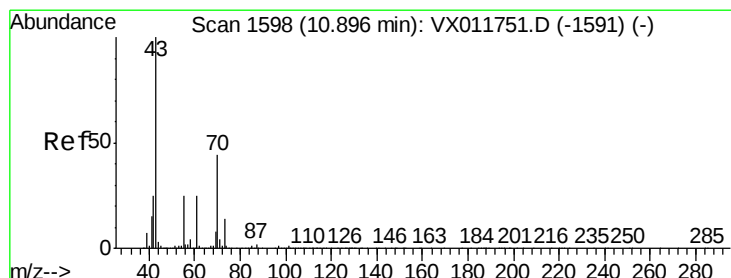
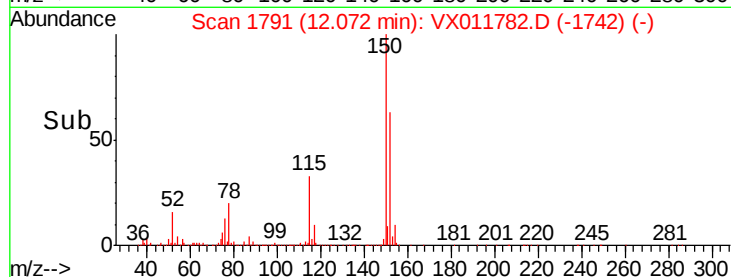
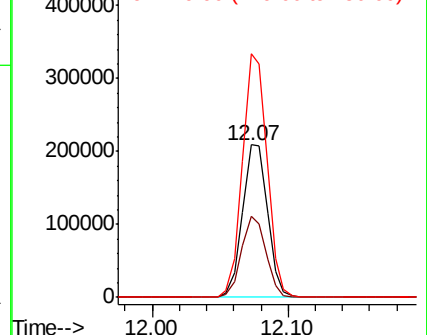
150 156.8 0.0 343.0



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-amyl acetate

Concen: 0.447 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011782.D

Acq: 22 Aug 2019 23:11

Tgt Ion: 43 Resp: 2802

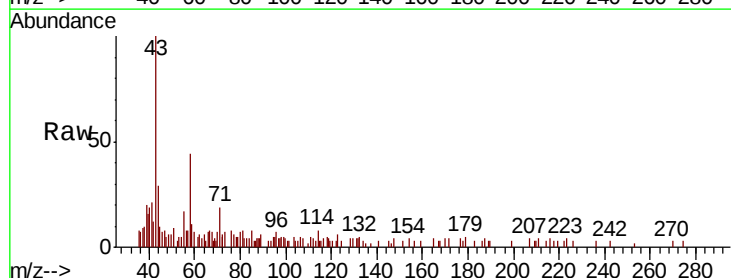
Ion Ratio Lower Upper

43 100

70 13.3 34.8 52.2#

55 13.3 19.5 29.3#

61 0.0 19.8 29.6#

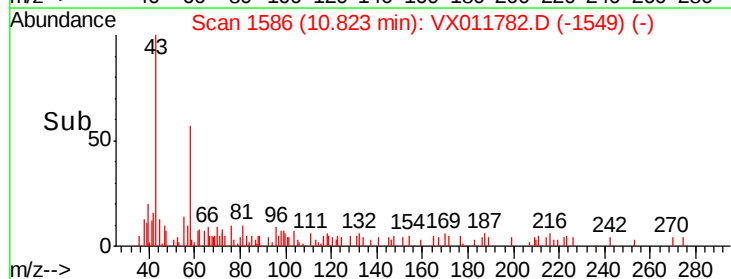
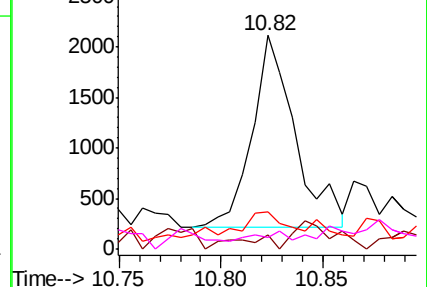


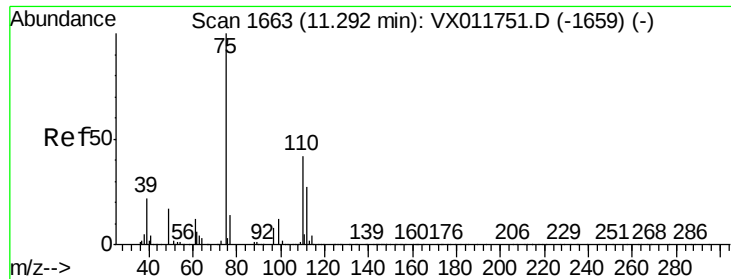
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

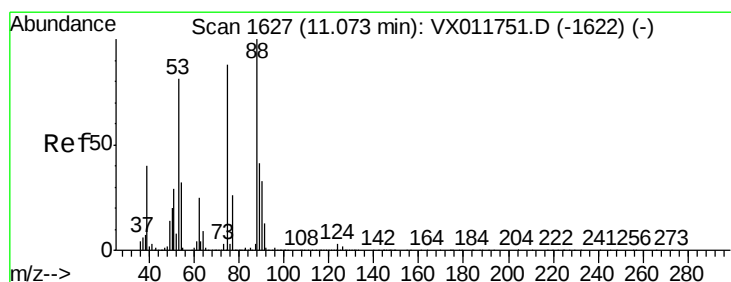
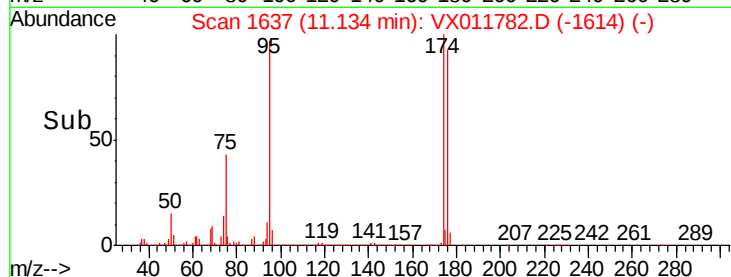
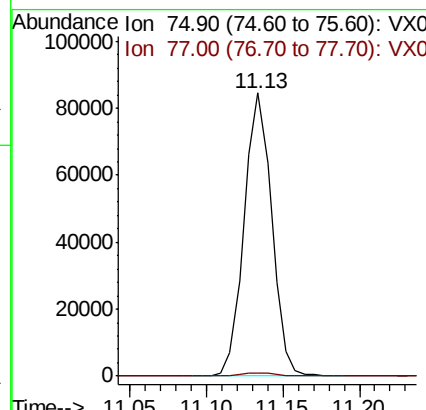
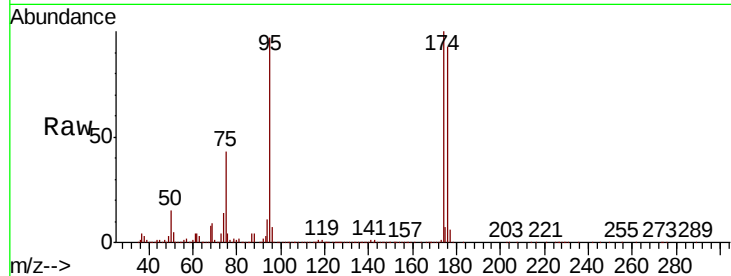




#76
 1,2,3-Trichloropropane
 Concen: 22.470 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011782.D
 Acq: 22 Aug 2019 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H3-(2.5)

Tgt Ion: 75 Resp: 105848
 Ion Ratio Lower Upper
 75 100
 77 1.7 21.1 63.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.766 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011782.D
 Acq: 22 Aug 2019 23:11

Tgt Ion: 75 Resp: 105848
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.1 115.7#
 89 0.1 38.5 57.7#

