

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011714.D
 Acq On : 21 Aug 2019 03:33
 Operator : JC/SP
 Sample : K4387-39
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B1-(0)

Quant Time: Aug 21 05:31:41 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	358434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	519681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	465573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	215636	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	186292	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	
35) Dibromofluoromethane	5.49	113	155930	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
50) Toluene-d8	8.71	98	599238	56.58	ug/l	0.00
Spiked Amount			Recovery	=	113.16%	
62) 4-Bromofluorobenzene	11.13	95	208747	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	

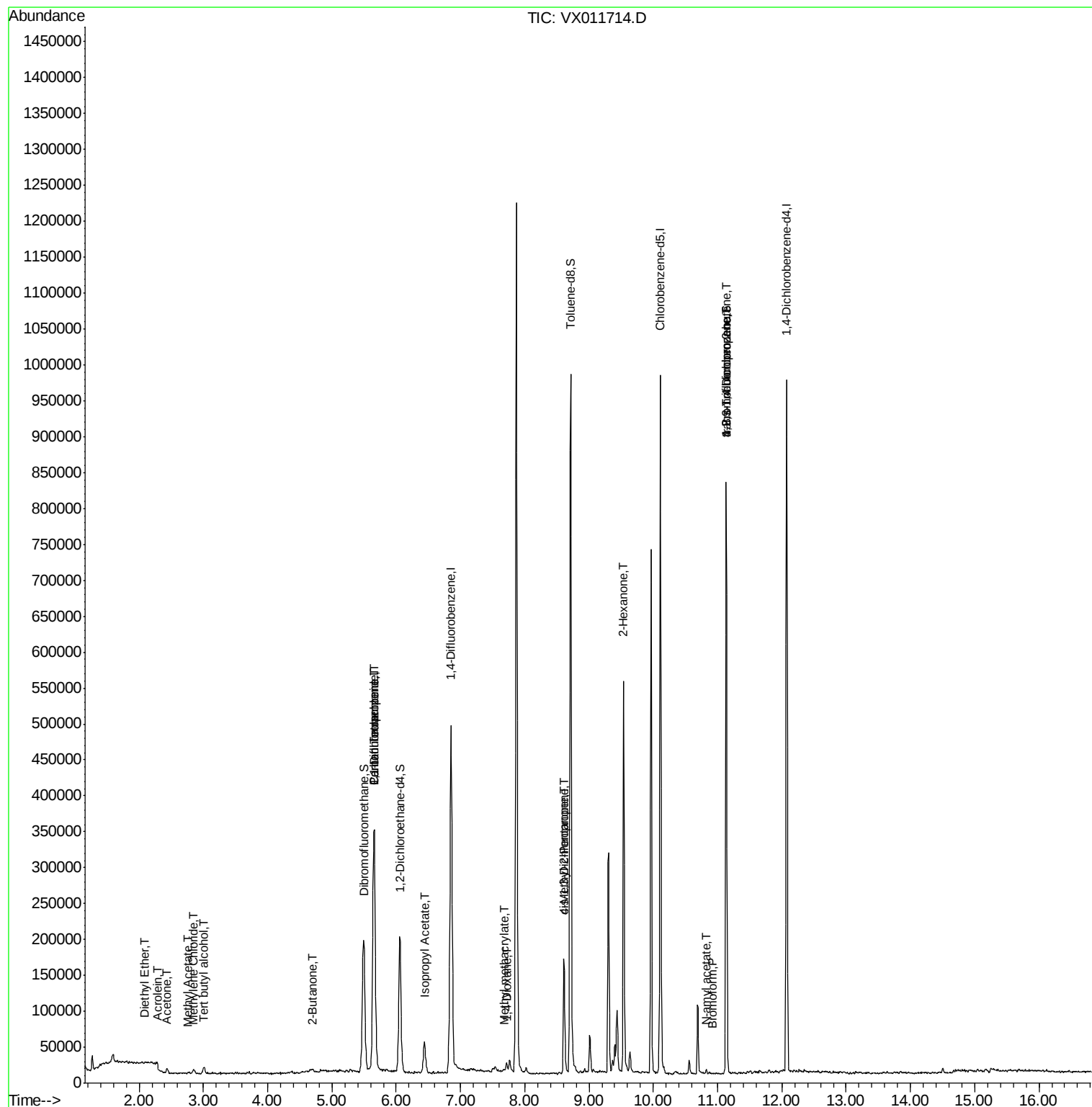
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.09	74	337	0.215	ug/l	78
11) Tert butyl alcohol	3.01	59	5980	7.333	ug/l #	83
13) Acrolein	2.29	56	162	12.798	ug/l #	1
16) Acetone	2.43	43	7503	4.489	ug/l	96
18) Methyl Acetate	2.77	43	4533	0.875	ug/l	91
20) Methylene Chloride	2.85	84	3374	0.961	ug/l #	78
25) 2-Butanone	4.69	43	2276	0.867	ug/l #	47
36) 1,1-Dichloropropene	5.65	75	22294	5.018	ug/l #	50
38) Carbon Tetrachloride	5.65	117	32198	6.577	ug/l #	17
43) Isopropyl Acetate	6.44	43	60524	7.589	ug/l	99
48) Methyl methacrylate	7.68	41	3542	0.897	ug/l #	17
49) 1,4-Dioxane	7.73	88	279	2.656	ug/l #	17
51) 4-Methyl-2-Pentanone	8.61	43	55652	10.661	ug/l #	47
54) cis-1,3-Dichloropropene	8.61	75	27102	5.193	ug/l #	65
59) 2-Hexanone	9.54	43	64154	15.936	ug/l #	52
71) Bromoform	10.91	173	78	3.312	ug/l #	28
74) N-amyl acetate	10.82	43	2624	0.441	ug/l #	57
76) 1,2,3-Trichloropropane	11.13	75	96816	23.677	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	96816	62.872	ug/l #	11

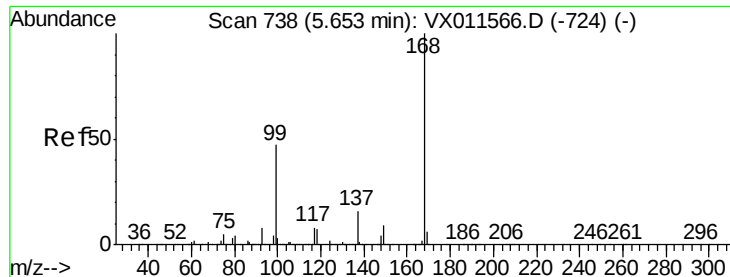
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011714.D

Acq: 21 Aug 2019 03:33

Instrument :

MSVOA_X

ClientSampleId :

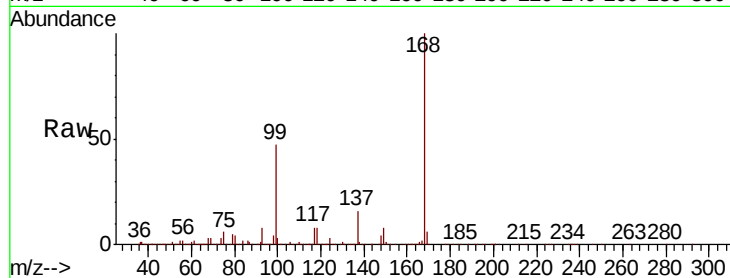
T4-B1-(0)

Tgt Ion:168 Resp: 358434

Ion Ratio Lower Upper

168 100

99 46.8 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

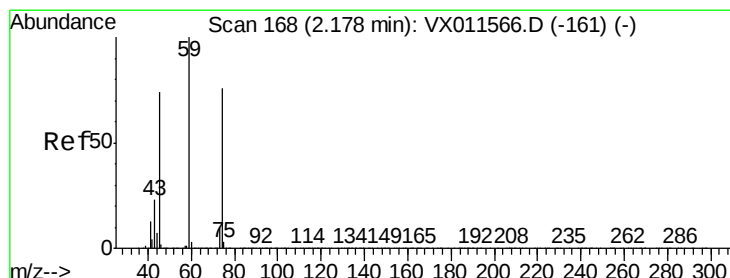
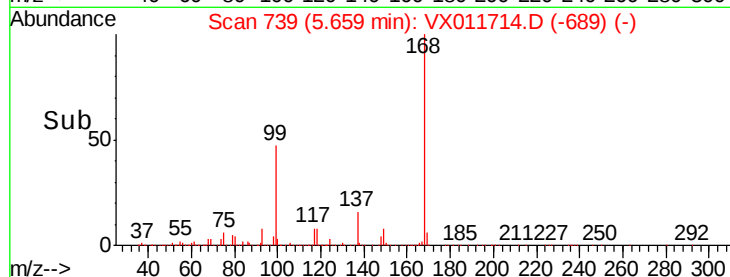
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.215 ug/l

RT: 2.09 min Scan# 153

Delta R.T. -0.09 min

Lab File: VX011714.D

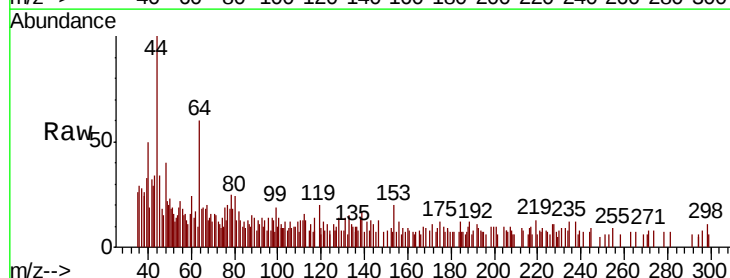
Acq: 21 Aug 2019 03:33

Tgt Ion: 74 Resp: 337

Ion Ratio Lower Upper

74 100

45 74.8 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

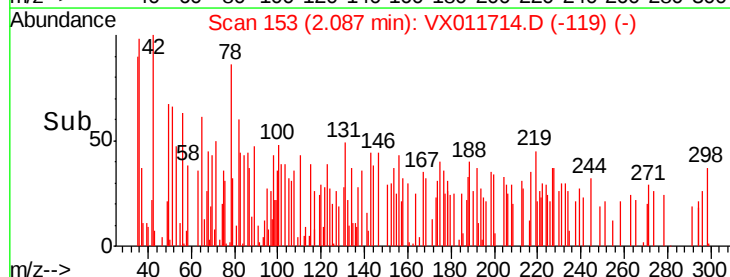
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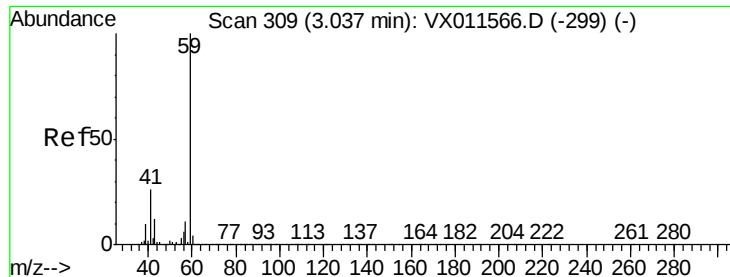
400

200

0

Time-->

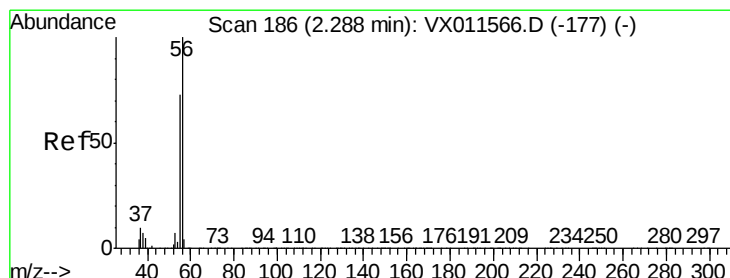
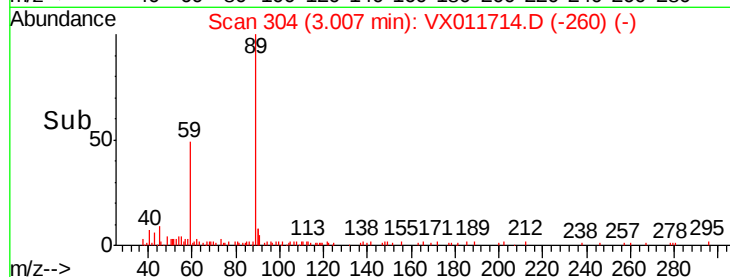
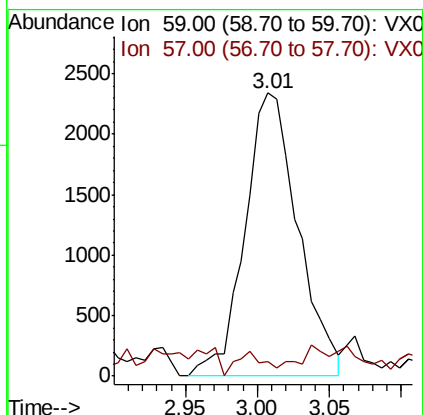
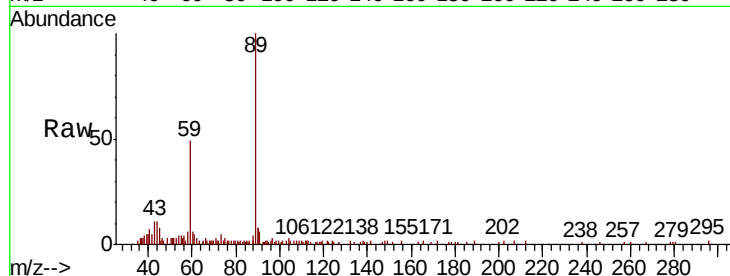




#11
Tert butyl alcohol
Concen: 7.333 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

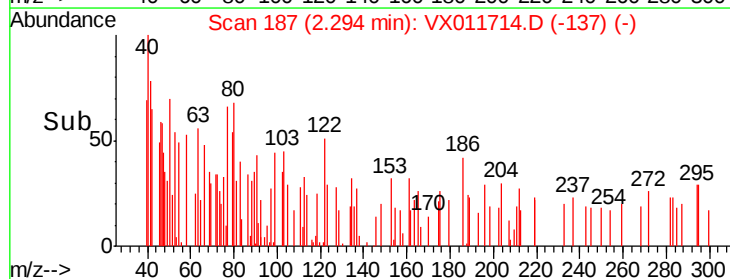
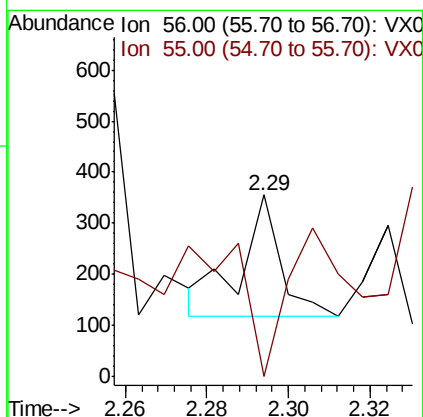
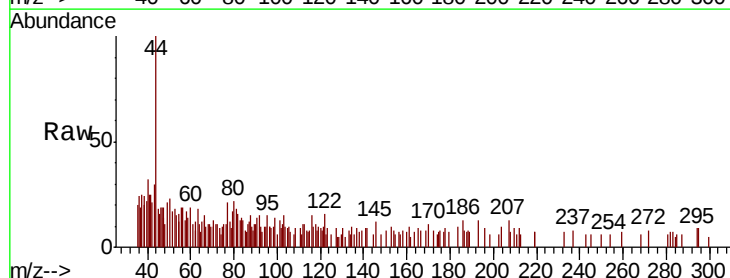
Instrument :
MSVOA_X
ClientSampled :
T4-B1-(0)

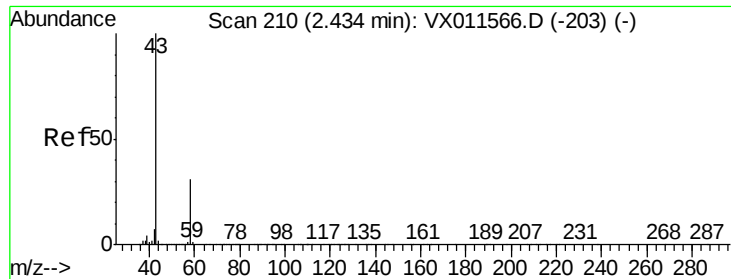
Tgt Ion: 59 Resp: 5980
Ion Ratio Lower Upper
59 100
57 4.6 8.7 13.1#



#13
Acrolein
Concen: 12.798 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.01 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 163.0 55.5 83.3#

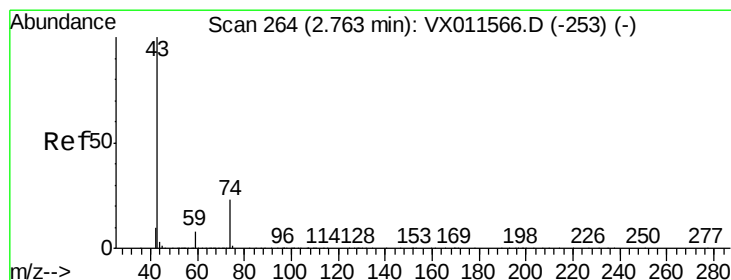
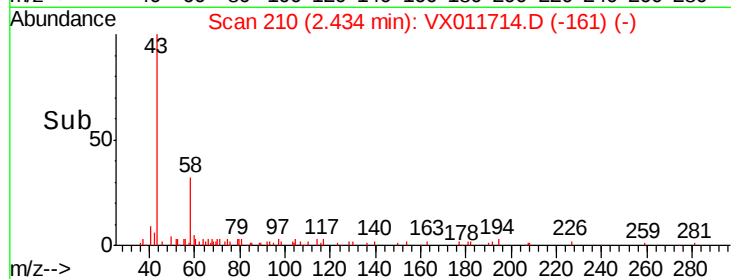
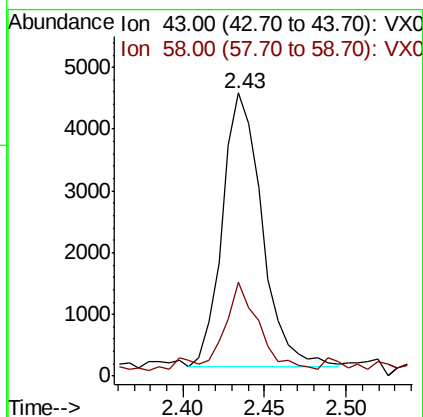
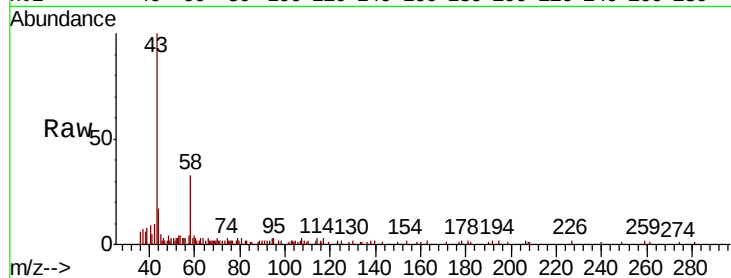




#16
Acetone
Concen: 4.489 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

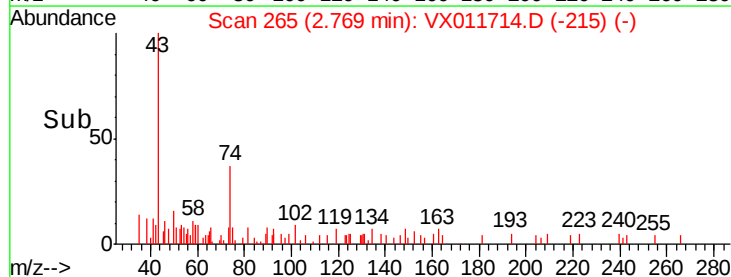
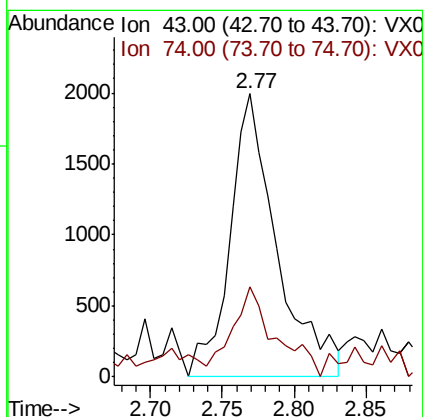
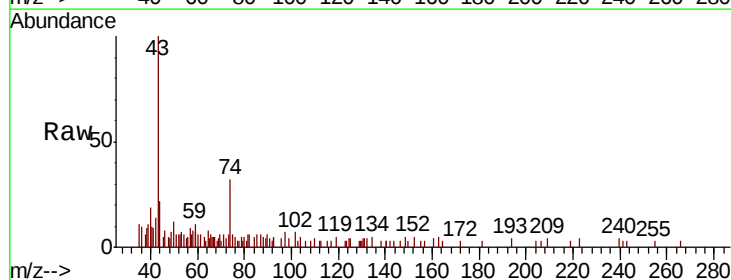
Instrument :
MSVOA_X
ClientSampleId :
T4-B1-(0)

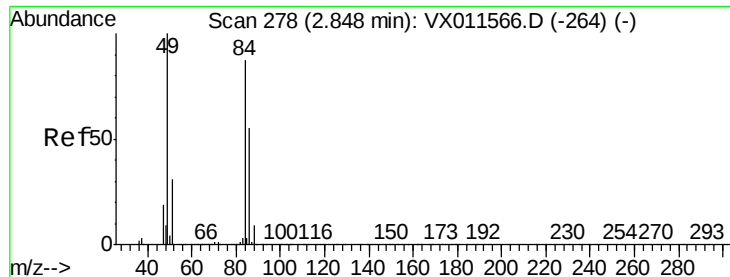
Tgt Ion: 43 Resp: 7503
Ion Ratio Lower Upper
43 100
58 29.3 25.2 37.8



#18
Methyl Acetate
Concen: 0.875 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

Tgt Ion: 43 Resp: 4533
Ion Ratio Lower Upper
43 100
74 29.3 19.7 29.5

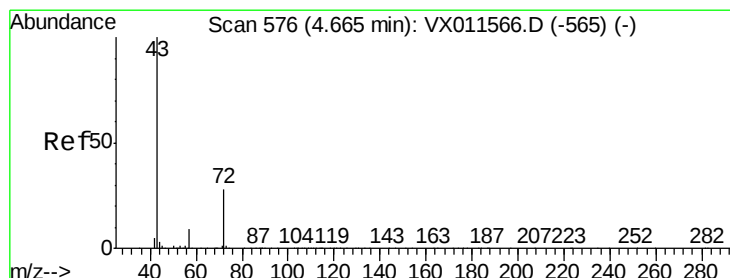
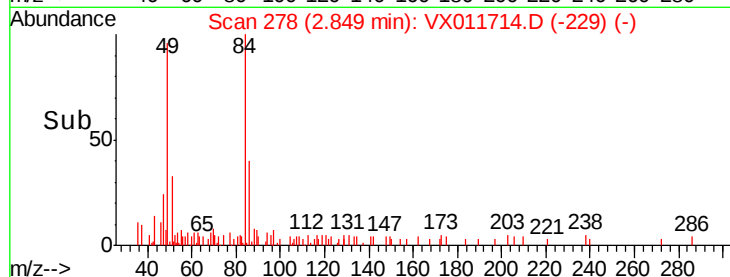
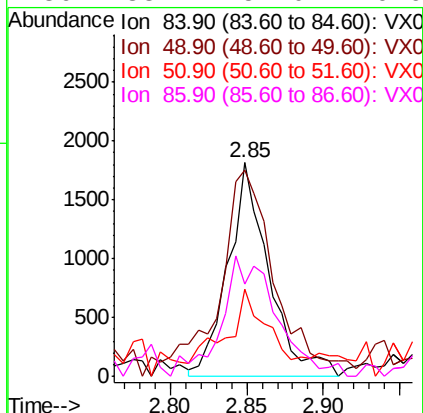
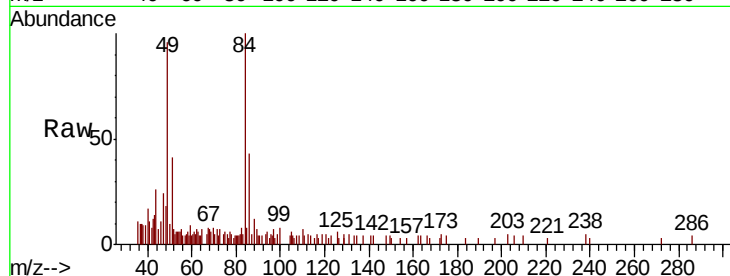




#20
Methylene Chloride
Concen: 0.961 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

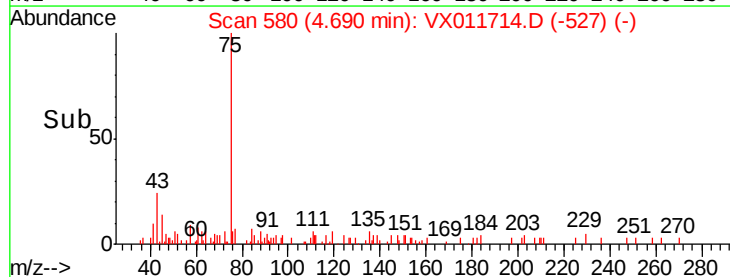
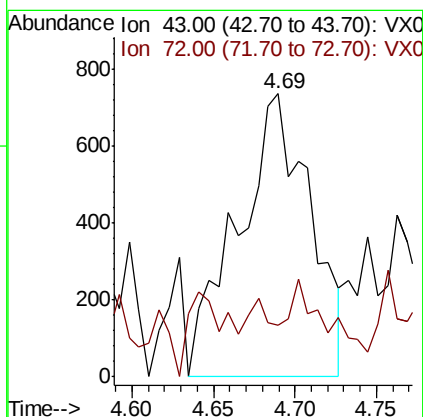
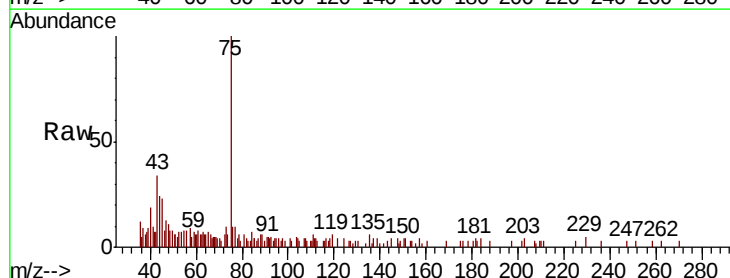
Instrument :
MSVOA_X
ClientSampled :
T4-B1-(0)

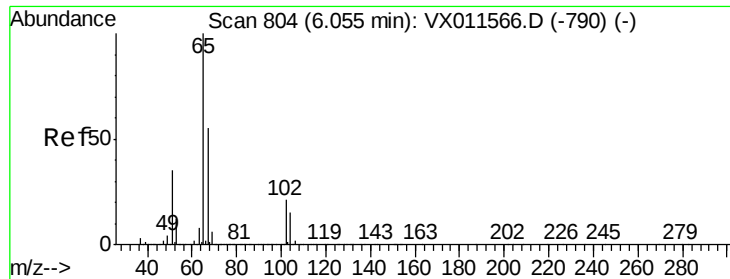
Tgt Ion:	84	Resp:	3374
Ion	Ratio	Lower	Upper
84	100		
49	91.9	92.4	138.6#
51	36.0	28.5	42.7
86	38.1	51.0	76.6#



#25
2-Butanone
Concen: 0.867 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

Tgt Ion:	43	Resp:	2276
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.4#





#33

1,2-Dichloroethane-d4

Concen: 56.045 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011714.D

Acq: 21 Aug 2019 03:33

Instrument :

MSVOA_X

ClientSampleId :

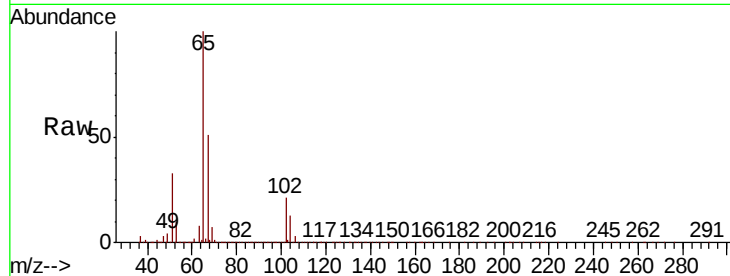
T4-B1-(0)

Tgt Ion: 65 Resp: 186292

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

80000

60000

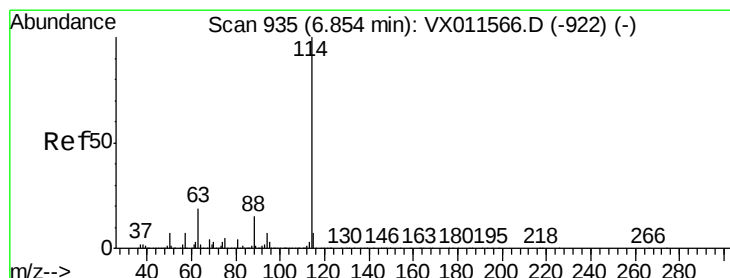
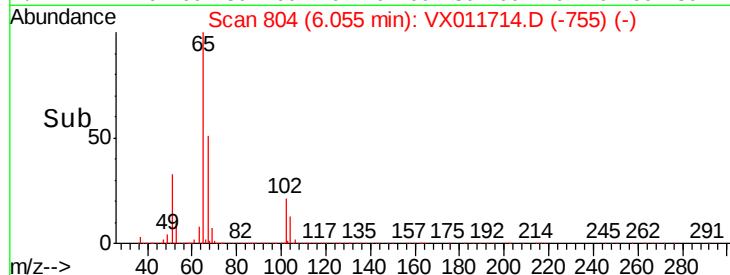
40000

20000

0

Time-->

6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011714.D

Acq: 21 Aug 2019 03:33

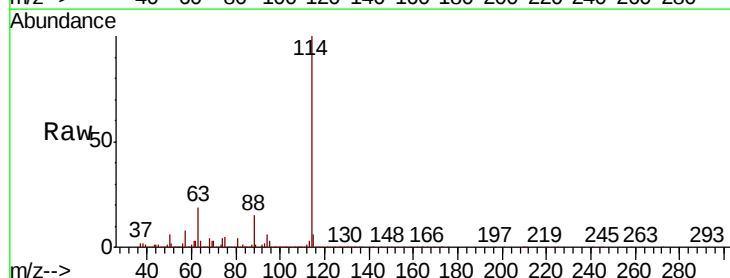
Tgt Ion: 114 Resp: 519681

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.8

88 14.9 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

300000

250000

200000

150000

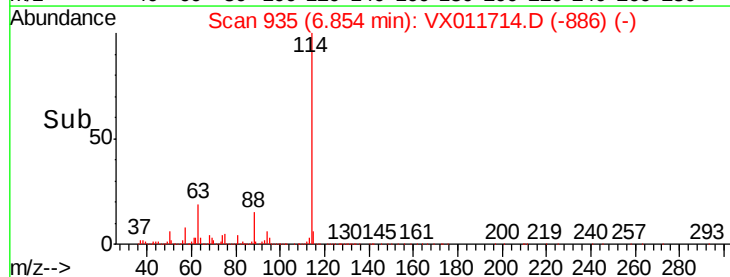
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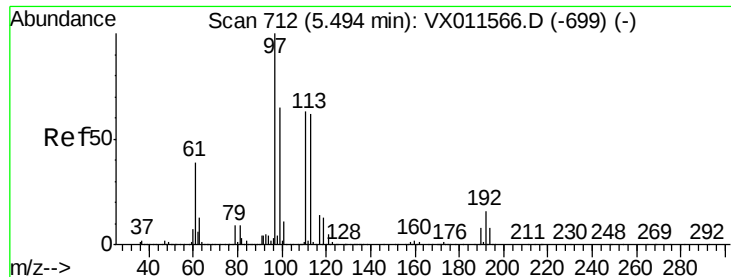
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 45.875 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011714.D

Acq: 21 Aug 2019 03:33

Instrument :

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ClientSampleId :

T4-B1-(0)

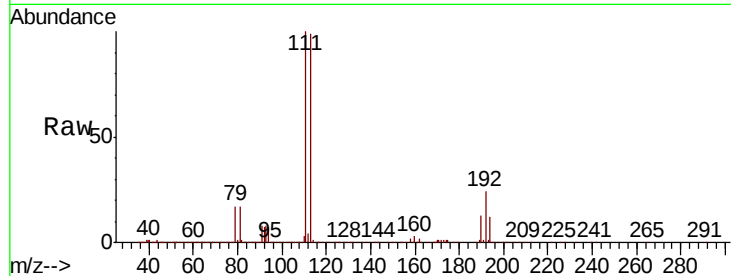
Tgt Ion:113 Resp: 155930

Ion Ratio Lower Upper

113 100

111 101.6 81.1 121.7

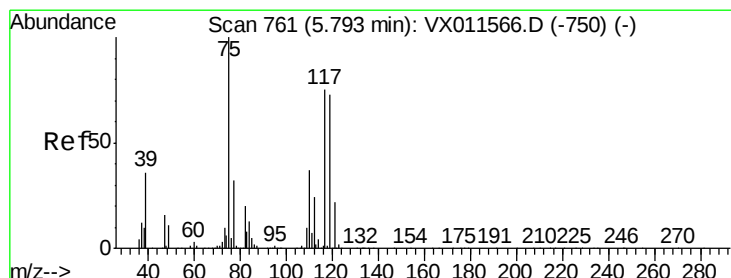
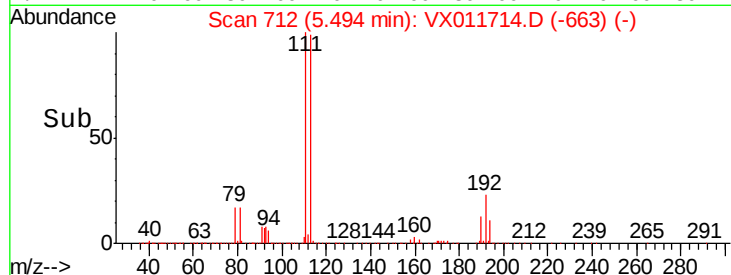
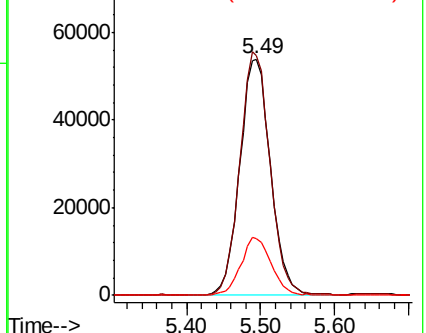
192 24.4 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011714.D

Acq: 21 Aug 2019 03:33

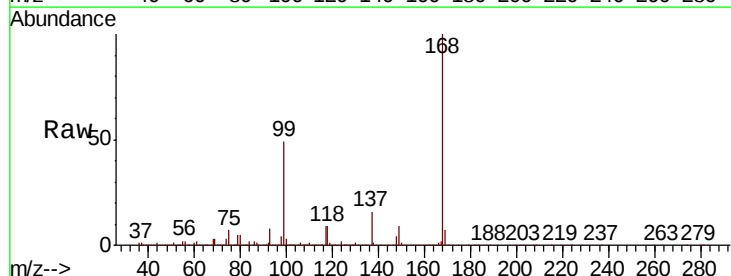
Tgt Ion: 75 Resp: 22294

Ion Ratio Lower Upper

75 100

110 10.1 19.4 58.1#

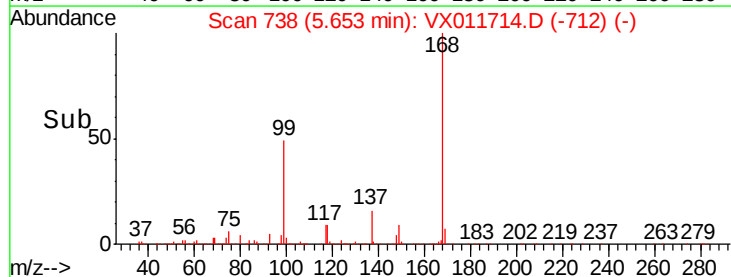
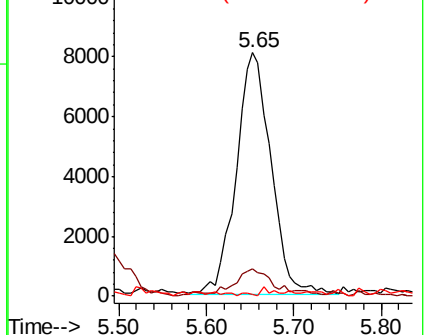
77 1.3 25.1 37.7#

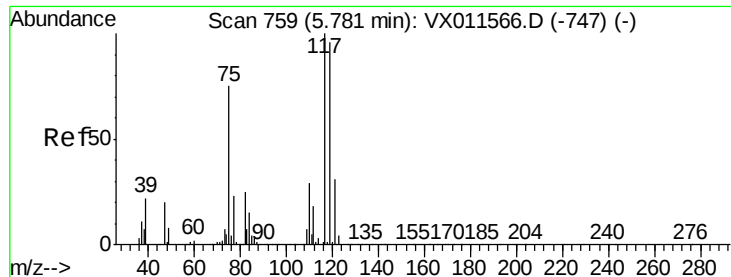


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

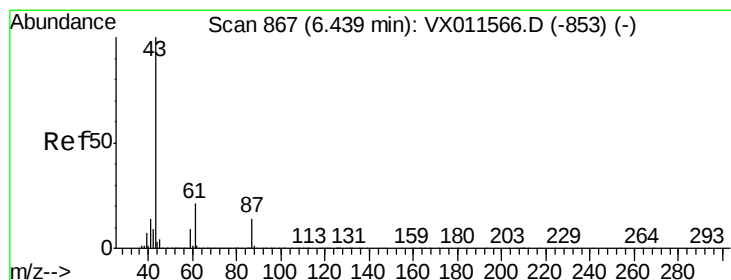
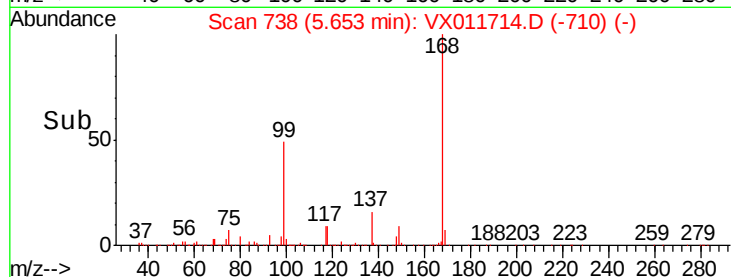
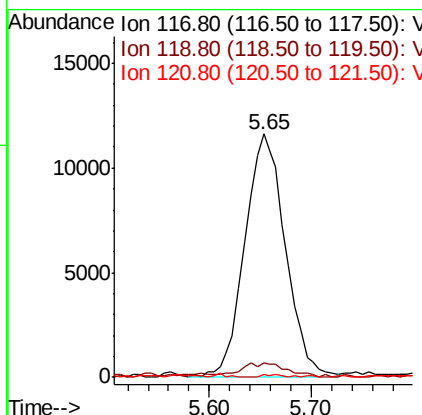
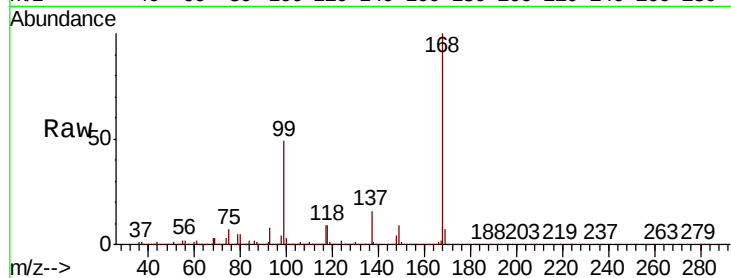




#38
Carbon Tetrachloride
Concen: 6.577 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

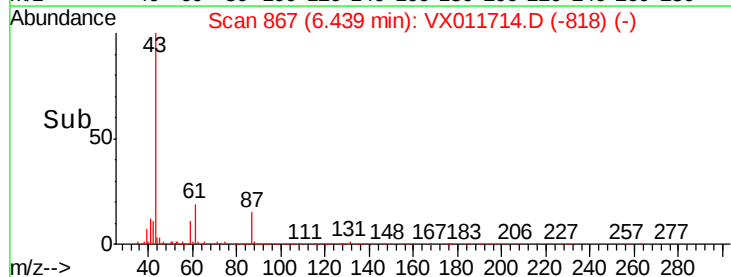
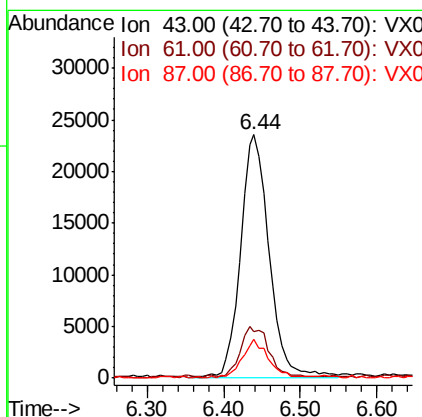
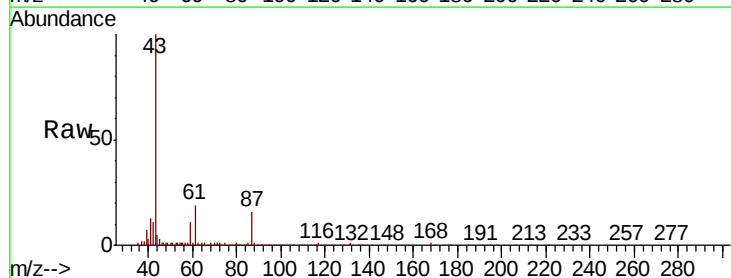
Instrument :
MSVOA_X
ClientSampleId :
T4-B1-(0)

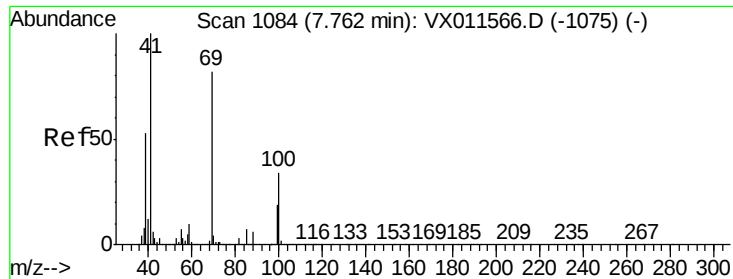
Tgt Ion: 117 Resp: 32198
Ion Ratio Lower Upper
117 100
119 6.0 76.9 115.3#
121 0.6 24.8 37.2#



#43
Isopropyl Acetate
Concen: 7.589 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

Tgt Ion: 43 Resp: 60524
Ion Ratio Lower Upper
43 100
61 20.1 16.6 24.8
87 14.8 11.4 17.2

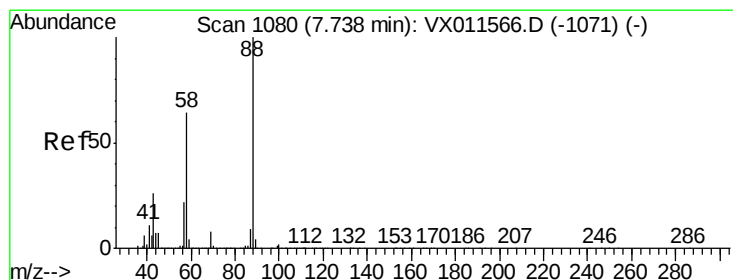
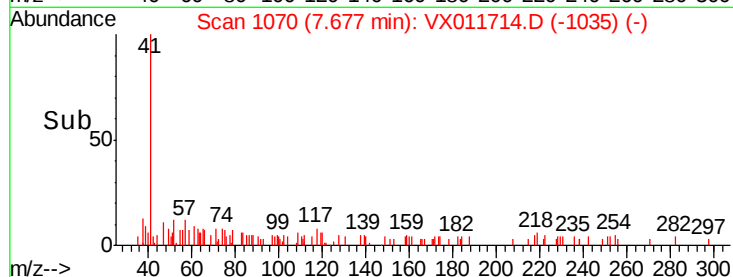
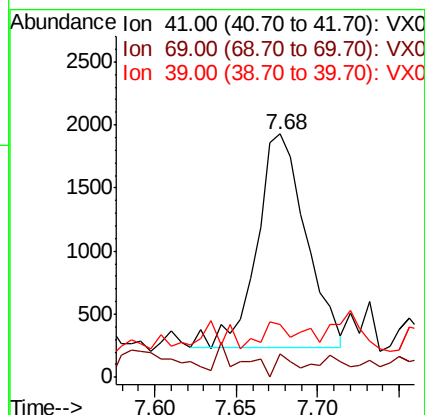
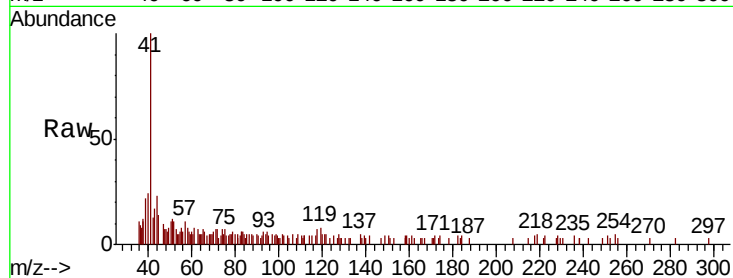




#48
Methyl methacrylate
Concen: 0.897 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

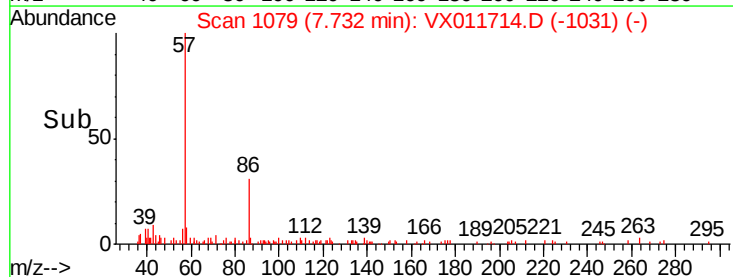
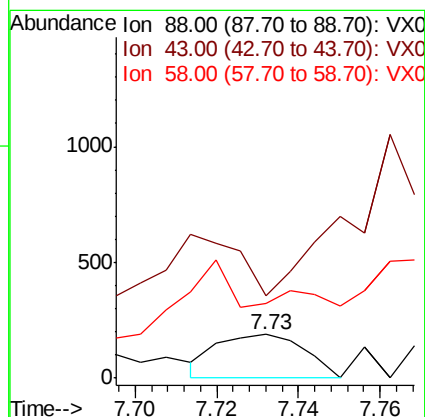
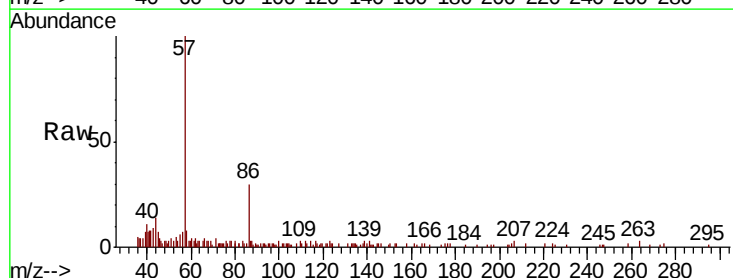
Instrument :
MSVOA_X
ClientSampleId :
T4-B1-(0)

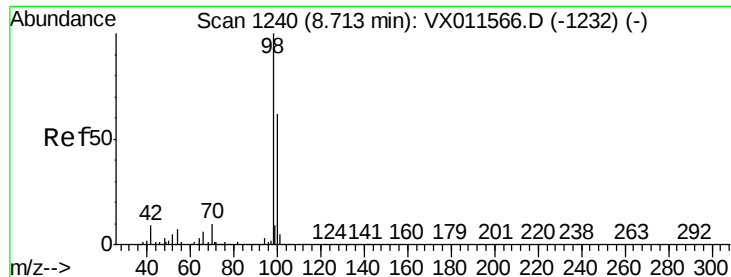
Tgt Ion: 41 Resp: 3542
Ion Ratio Lower Upper
41 100
69 4.0 67.9 101.9#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 2.656 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

Tgt Ion: 88 Resp: 279
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 144.8 54.3 81.5#





#50

Toluene-d8

Concen: 56.580 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011714.D

Acq: 21 Aug 2019 03:33

Instrument :

MSVOA_X

ClientSampleId :

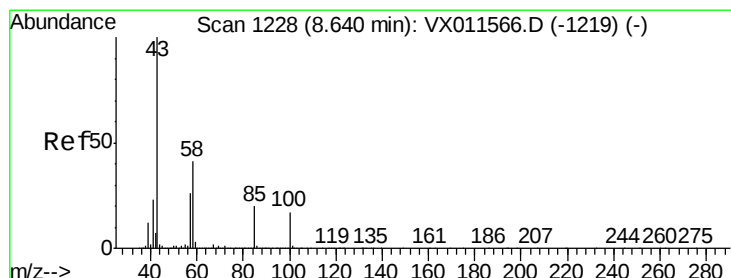
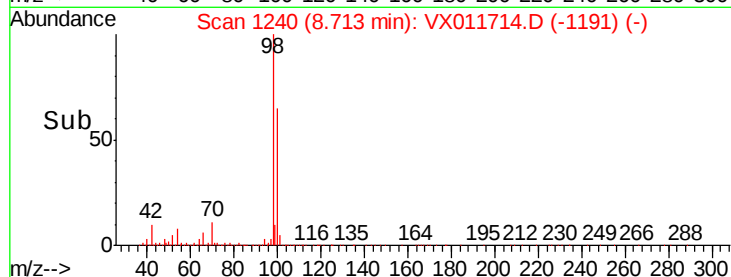
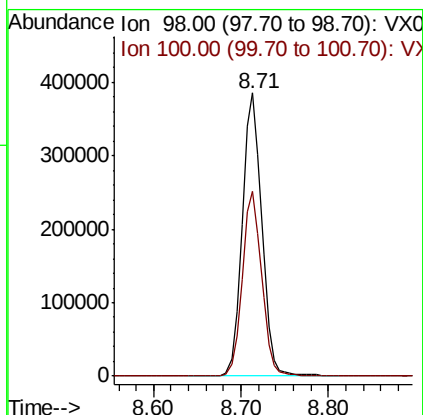
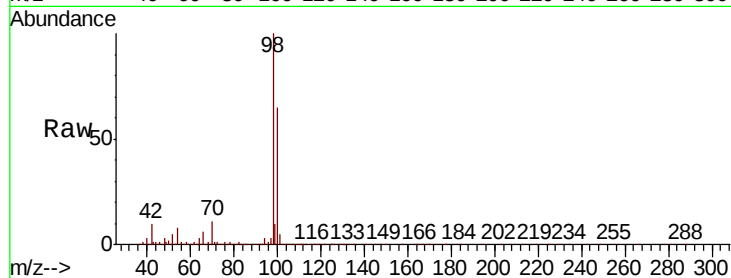
T4-B1-(0)

Tgt Ion: 98 Resp: 599238

Ion Ratio Lower Upper

98 100

100 64.7 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 10.661 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011714.D

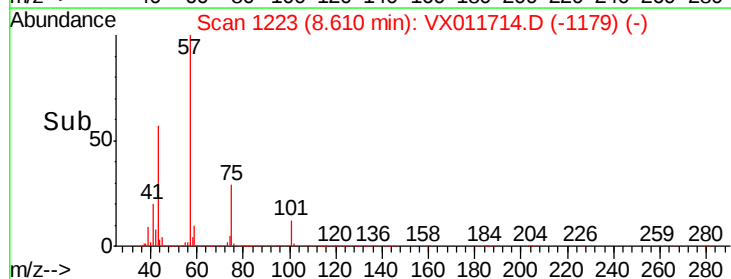
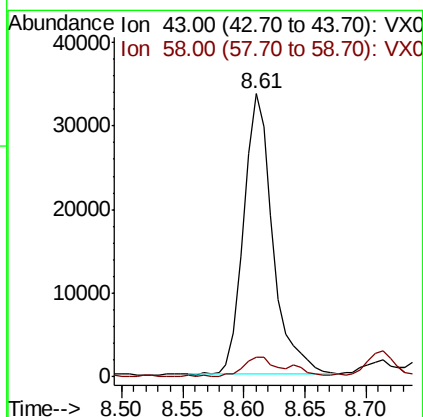
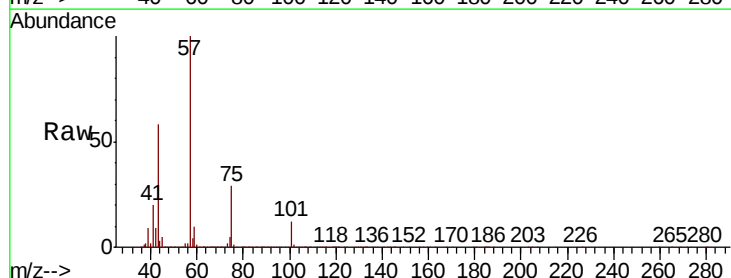
Acq: 21 Aug 2019 03:33

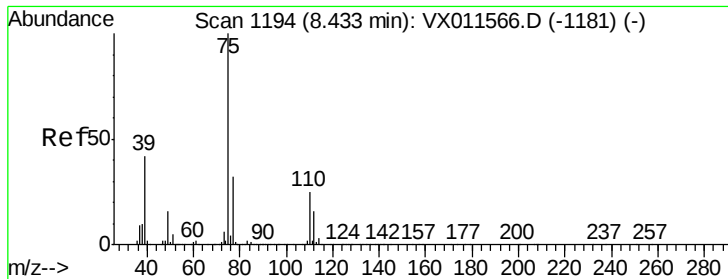
Tgt Ion: 43 Resp: 55652

Ion Ratio Lower Upper

43 100

58 7.2 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 5.193 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011714.D

Acq: 21 Aug 2019 03:33

Instrument :

MSVOA_X

ClientSampleId :

T4-B1-(0)

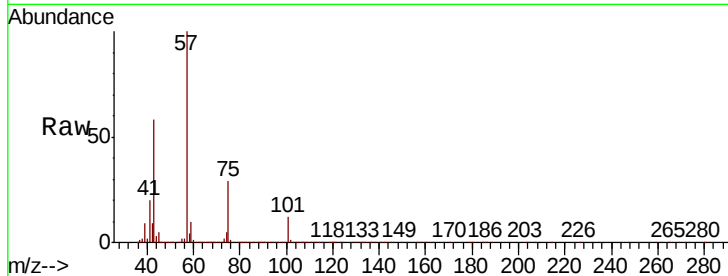
Tgt Ion: 75 Resp: 27102

Ion Ratio Lower Upper

75 100

77 0.1 25.5 38.3#

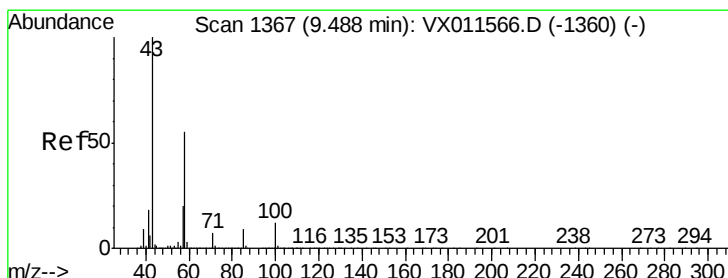
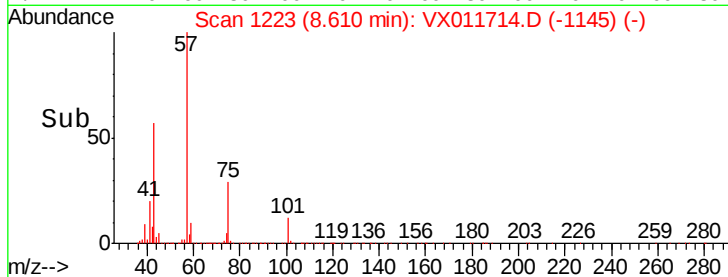
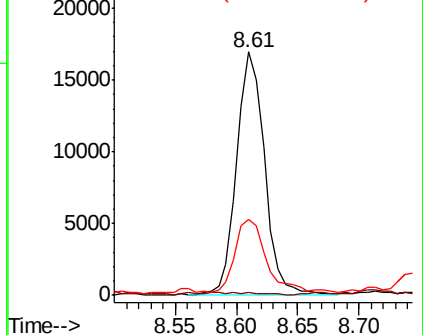
39 30.1 33.6 50.4#



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: 15.936 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011714.D

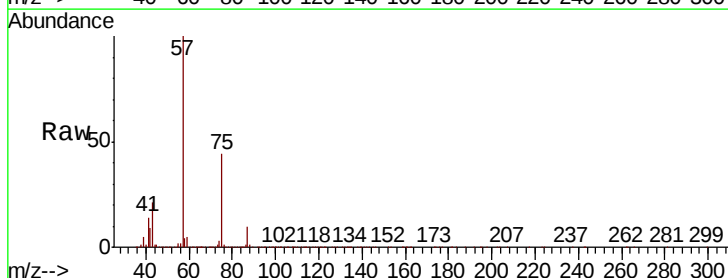
Acq: 21 Aug 2019 03:33

Tgt Ion: 43 Resp: 64154

Ion Ratio Lower Upper

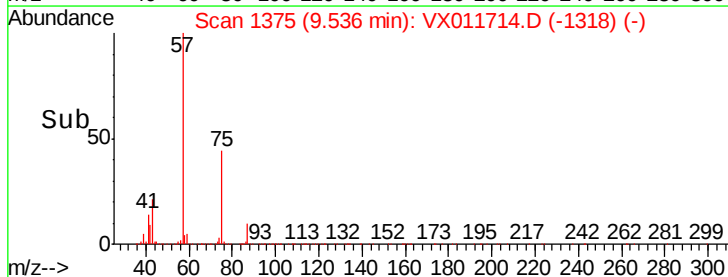
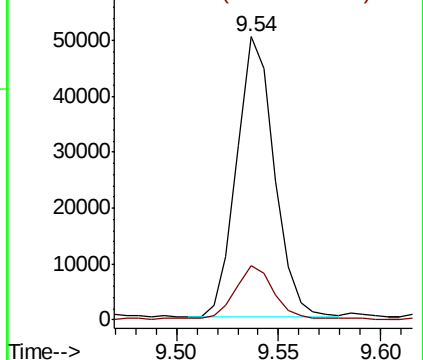
43 100

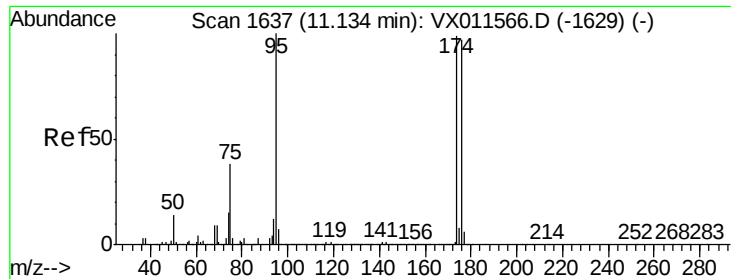
58 20.1 27.5 82.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

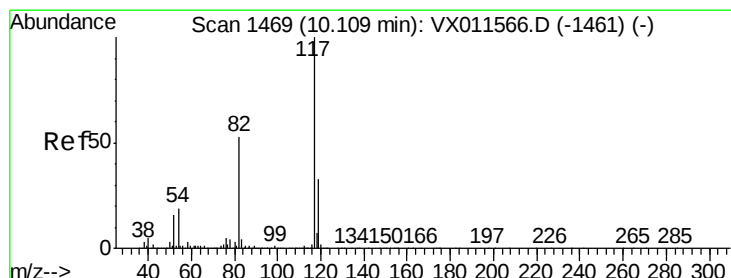
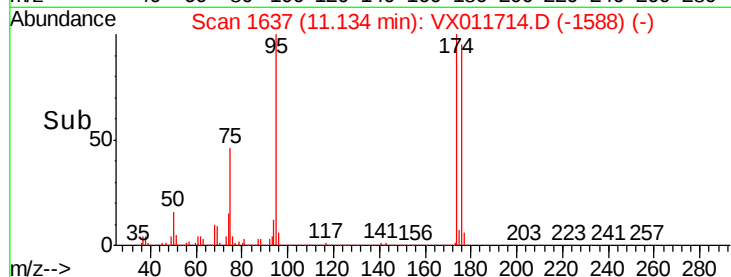
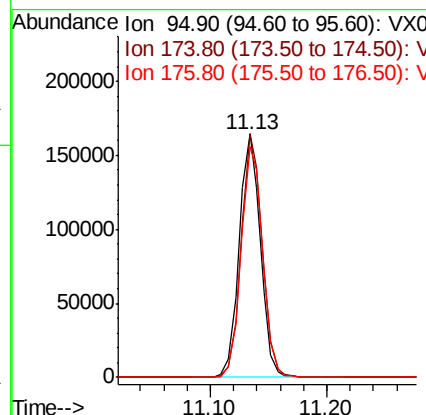
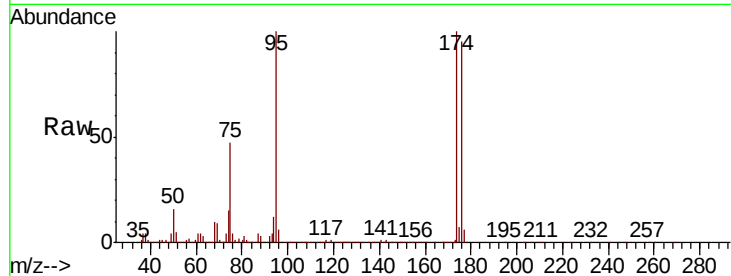




#62
4-Bromofluorobenzene
Concen: 46.697 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

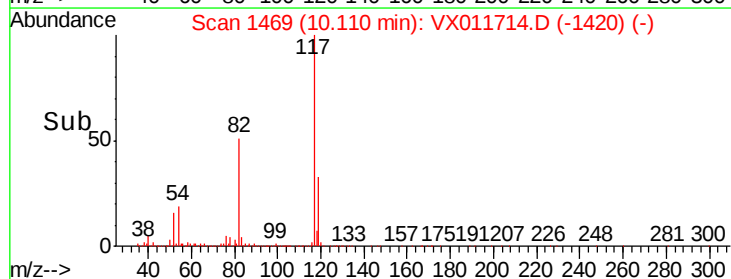
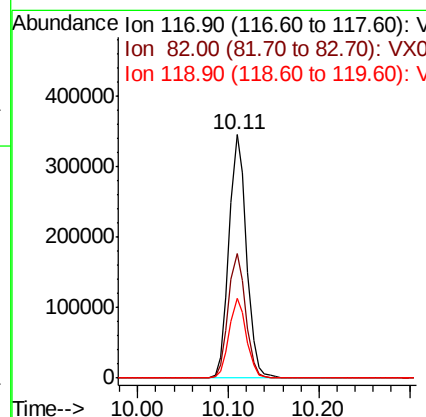
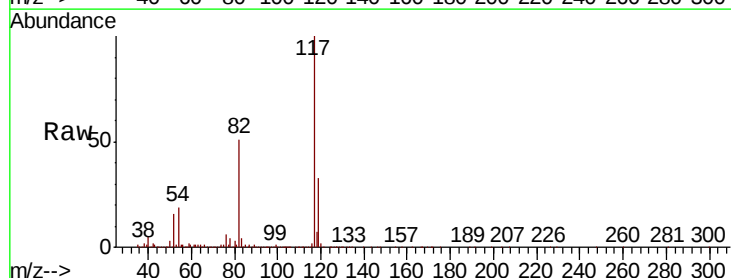
Instrument :
MSVOA_X
ClientSampleId :
T4-B1-(0)

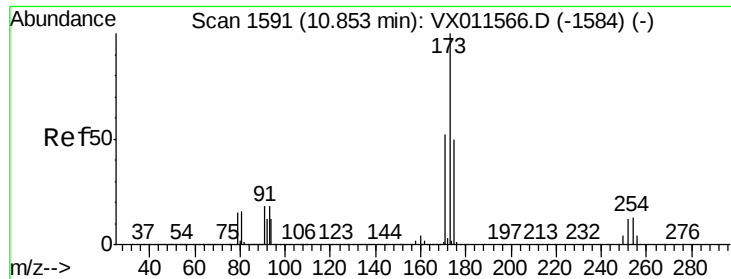
Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.8	0.0	200.6
176	95.4	0.0	196.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.0	63.0
119	32.6	26.5	39.7

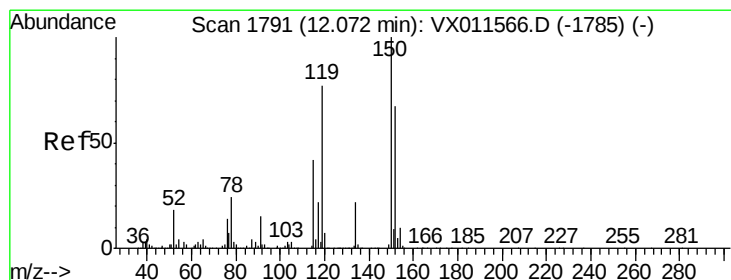
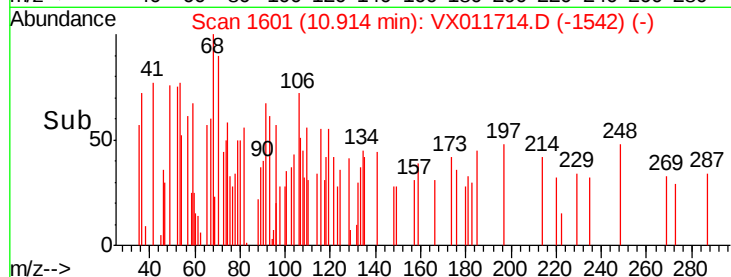
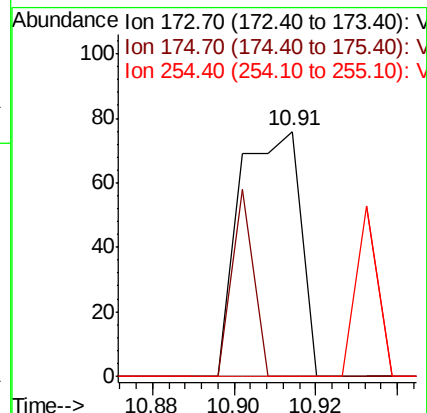
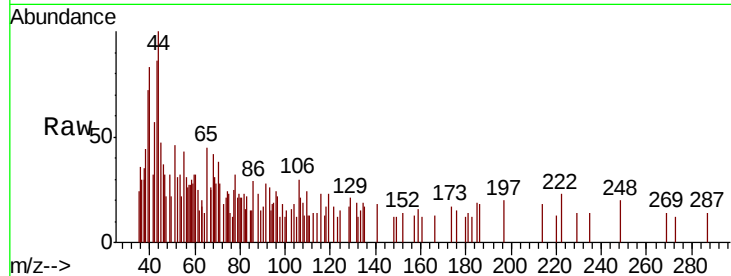




#71
Bromoform
Concen: 3.312 ug/l
RT: 10.91 min Scan# 1601
Delta R.T. 0.06 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

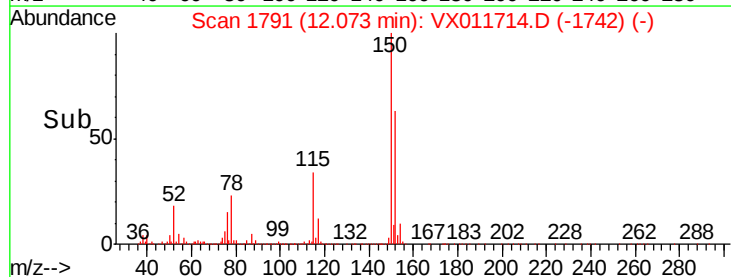
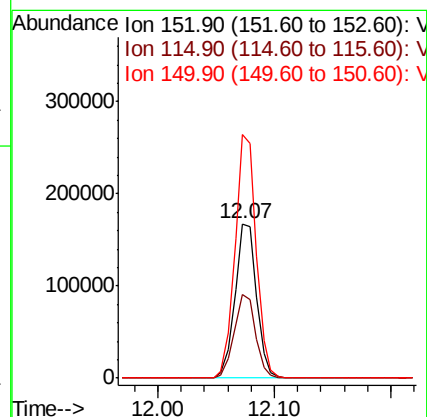
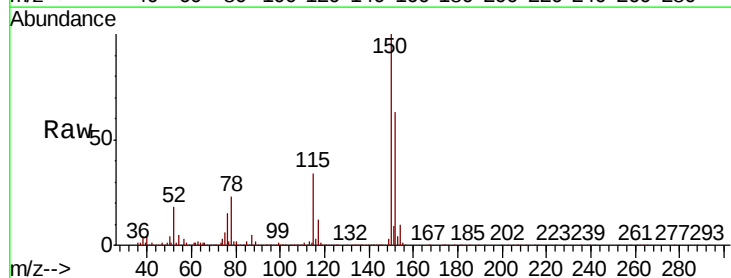
Instrument :
MSVOA_X
ClientSampled :
T4-B1-(0)

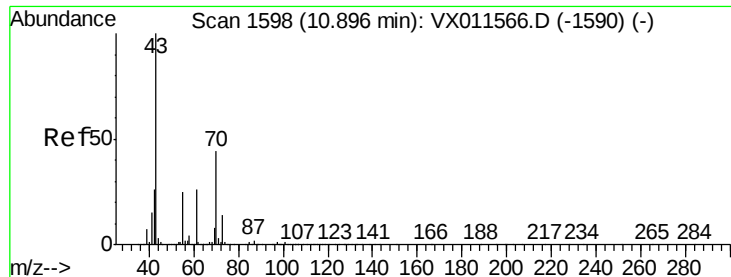
Tgt Ion:173 Resp: 78
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 24.4 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011714.D
Acq: 21 Aug 2019 03:33

Tgt Ion:152 Resp: 215636
Ion Ratio Lower Upper
152 100
115 54.3 37.3 111.9
150 155.0 0.0 346.2





#74

N-ethyl acetate

Concen: 0.441 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011714.D

Acq: 21 Aug 2019 03:33

Instrument :

MSVOA_X

ClientSampleId :

T4-B1-(0)

Tgt Ion: 43 Resp: 2624

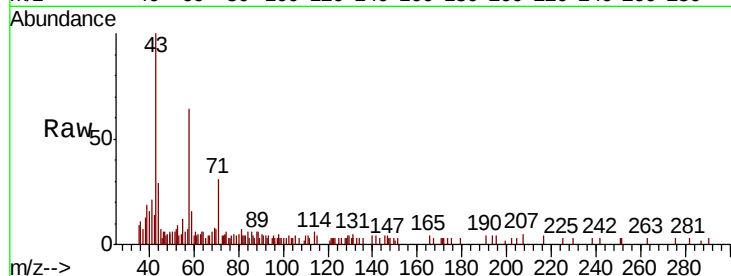
Ion Ratio Lower Upper

43 100

70 2.4 34.7 52.1#

55 11.6 19.6 29.4#

61 13.4 19.9 29.9#

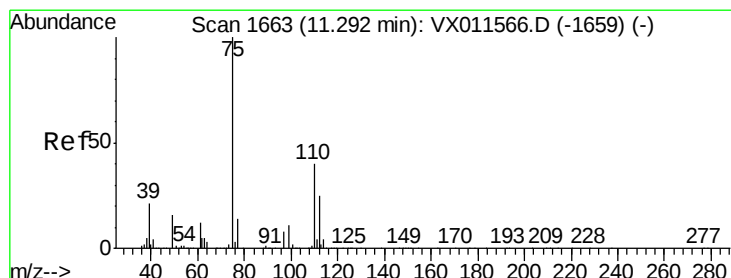
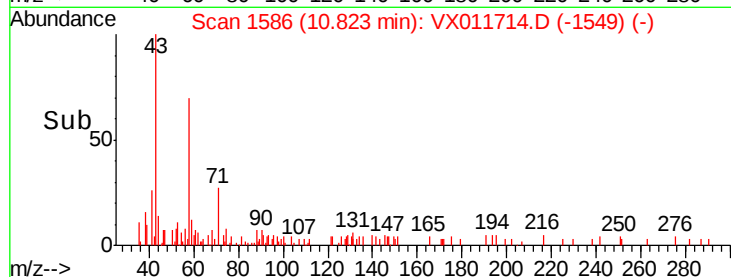
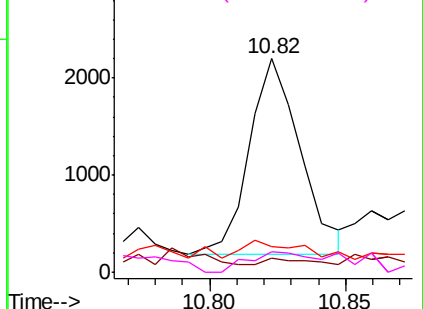


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.677 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011714.D

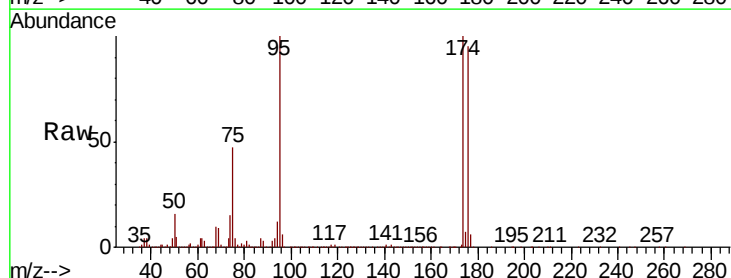
Acq: 21 Aug 2019 03:33

Tgt Ion: 75 Resp: 96816

Ion Ratio Lower Upper

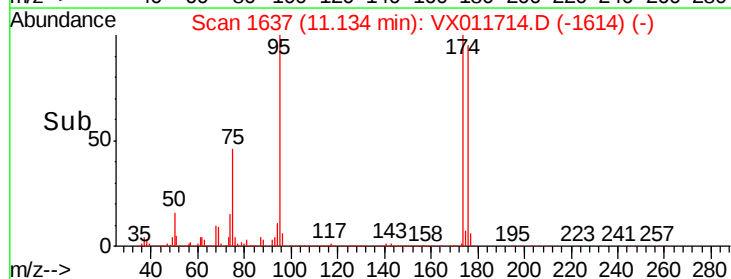
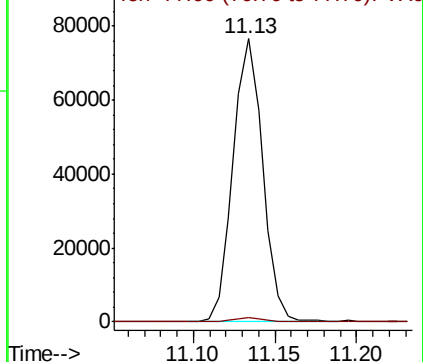
75 100

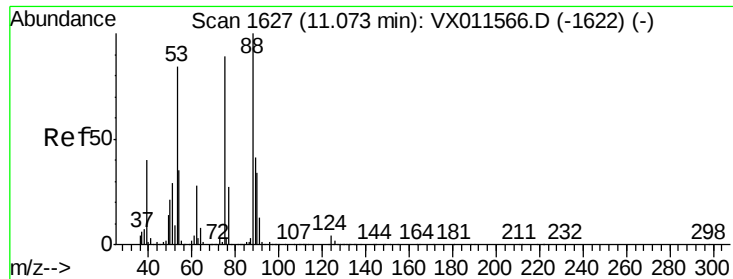
77 1.6 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.872 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011714.D

Acq: 21 Aug 2019 03:33

Instrument :

MSVOA_X

ClientSampleId :

T4-B1-(0)

Tgt Ion: 75 Resp: 96816

Ion Ratio Lower Upper

75 100

53 0.1 77.4 116.0#

89 0.1 37.3 55.9#

