

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
 Data File : VX011771.D
 Acq On : 22 Aug 2019 18:53
 Operator : JC/SP
 Sample : K4388-40
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-E4-(0)

Quant Time: Aug 23 02:04:39 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	5.65	168	443349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	605781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	553447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	260209	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	214682	48.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.40%	
35) Dibromofluoromethane	5.49	113	182347	46.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.10%	
50) Toluene-d8	8.71	98	696327	50.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.13	95	242844	44.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.94%	

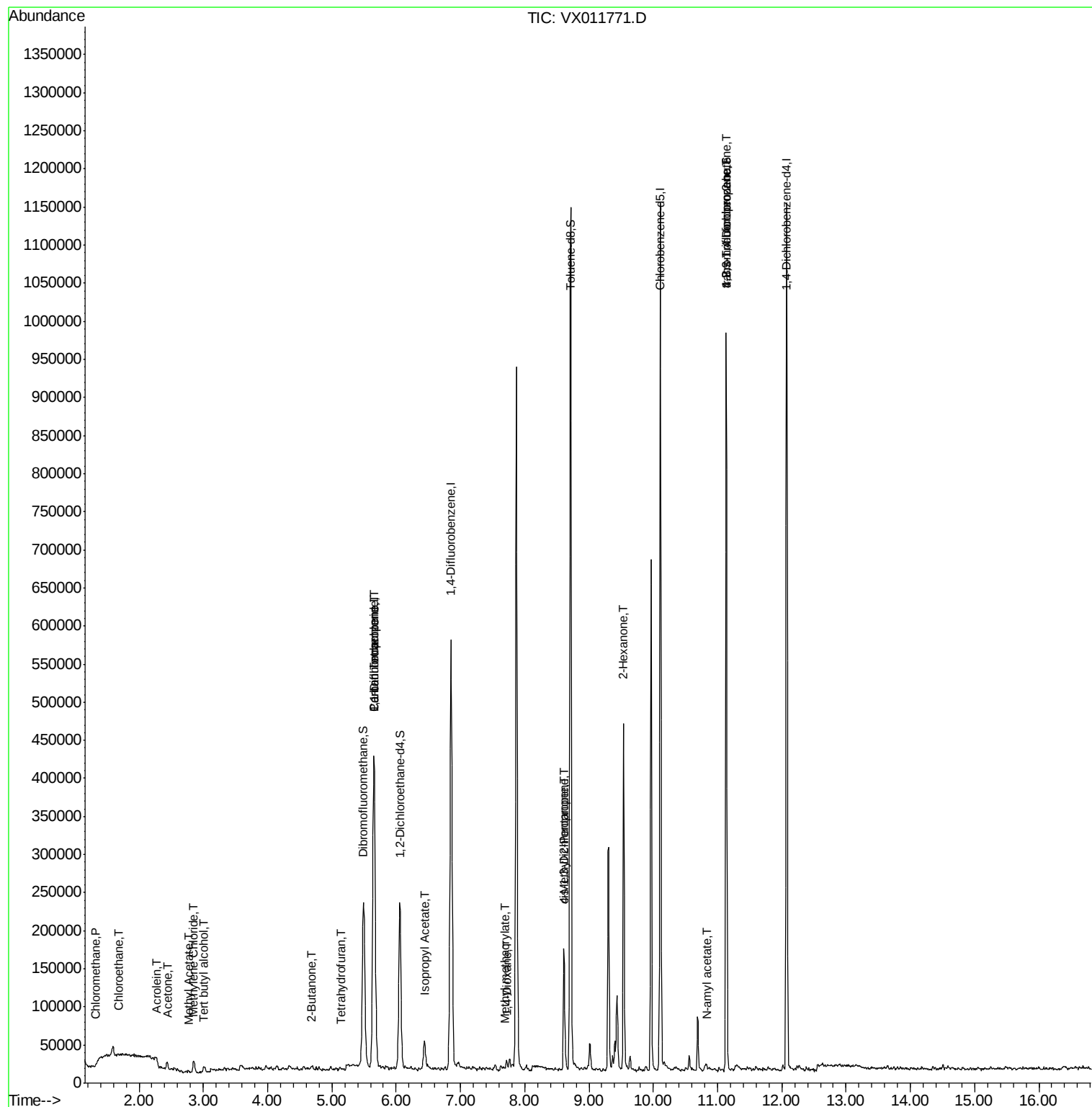
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	760	0.209	ug/l #	55
6) Chloroethane	1.70	64	817	0.385	ug/l #	44
11) Tert butyl alcohol	3.01	59	5040	5.727	ug/l #	94
13) Acrolein	2.28	56	275	0.808	ug/l #	82
16) Acetone	2.44	43	10683	5.514	ug/l	94
18) Methyl Acetate	2.77	43	3876	0.737	ug/l #	89
20) Methylene Chloride	2.85	84	8774	2.215	ug/l	96
25) 2-Butanone	4.68	43	2084	0.749	ug/l #	76
29) Tetrahydrofuran	5.15	42	364	0.204	ug/l #	66
36) 1,1-Dichloropropene	5.65	75	25233	5.312	ug/l #	52
38) Carbon Tetrachloride	5.66	117	37527	6.971	ug/l #	16
43) Isopropyl Acetate	6.44	43	55205	6.785	ug/l	99
48) Methyl methacrylate	7.69	41	3289	0.812	ug/l #	15
49) 1,4-Dioxane	7.72	88	158	1.408	ug/l #	6
51) 4-Methyl-2-Pentanone	8.61	43	54074	10.086	ug/l #	54
54) cis-1,3-Dichloropropene	8.61	75	26374	4.698	ug/l #	59
59) 2-Hexanone	9.54	43	52557	12.772	ug/l #	52
74) N-amyl acetate	10.83	43	2332	0.384	ug/l #	46
76) 1,2,3-Trichloropropane	11.13	75	112489	24.637	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	112489	74.300	ug/l #	11

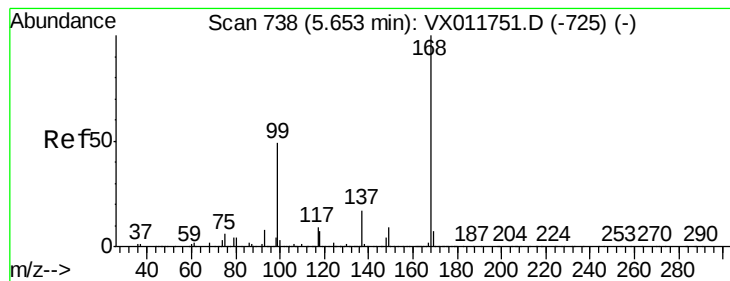
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 23 01:48:12 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: VX011771.D

Acq: 22 Aug 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

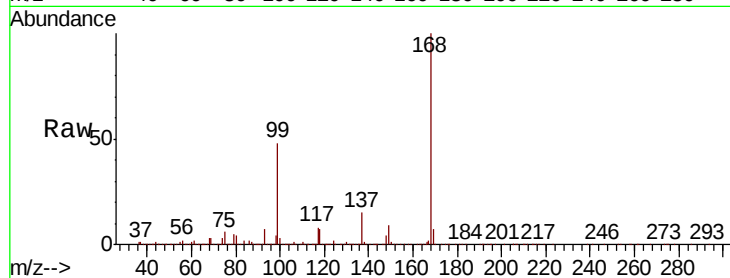
T6-E4-(0)

Tgt Ion:168 Resp: 443349

Ion Ratio Lower Upper

168 100

99 48.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

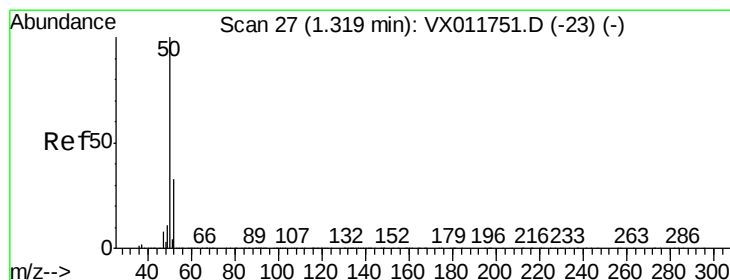
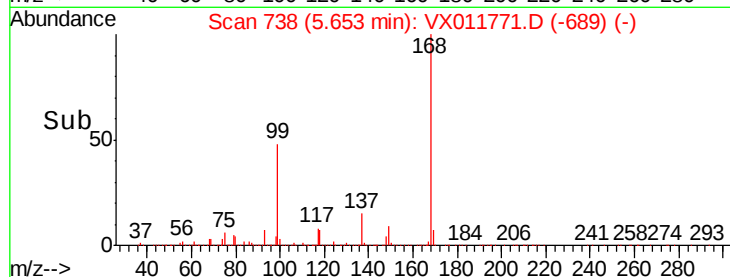
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011771.D

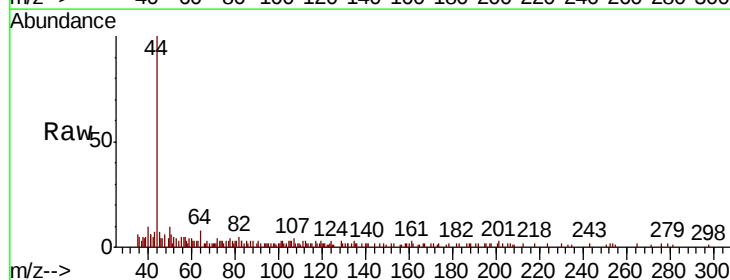
Acq: 22 Aug 2019 18:53

Tgt Ion: 50 Resp: 760

Ion Ratio Lower Upper

50 100

52 7.9 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

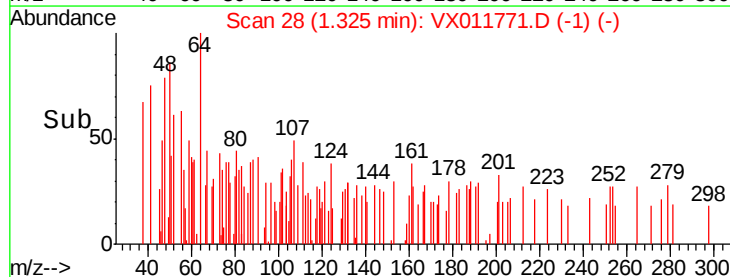
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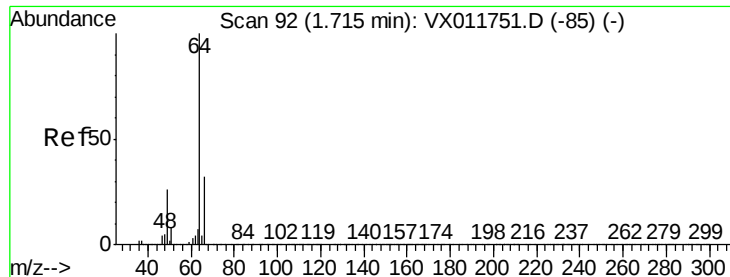
400

200

0

Time-->





#6

Chloroethane

Concen: 0.385 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

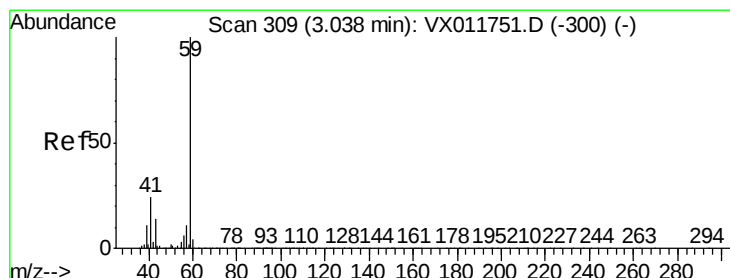
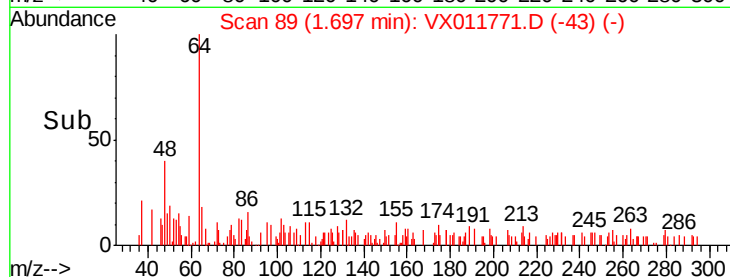
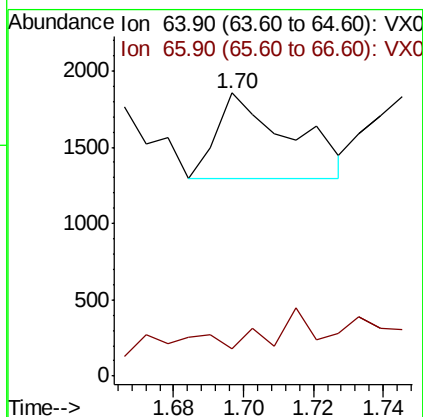
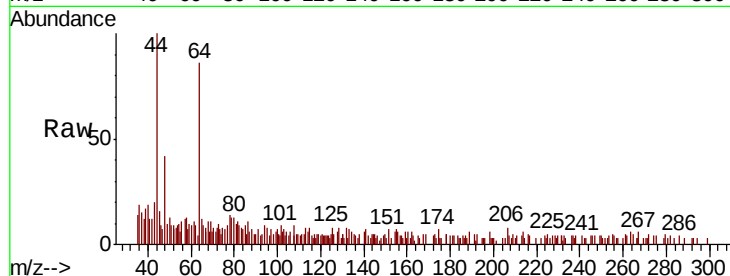
T6-E4-(0)

Tgt Ion: 64 Resp: 817

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#11

Tert butyl alcohol

Concen: 5.727 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011771.D

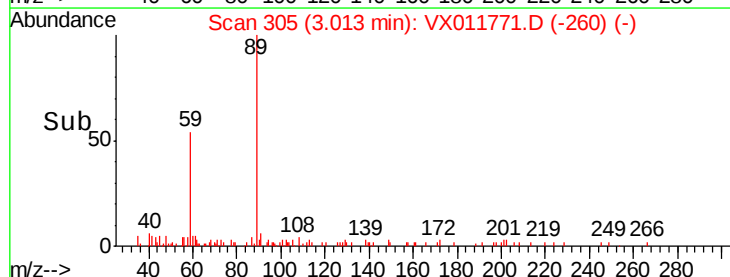
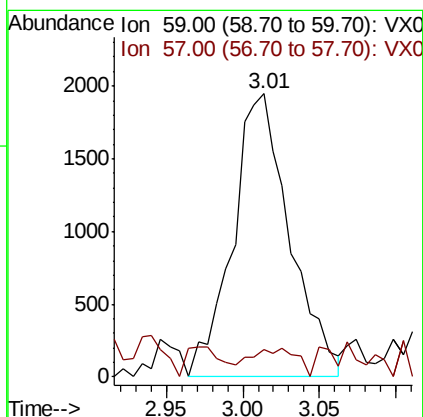
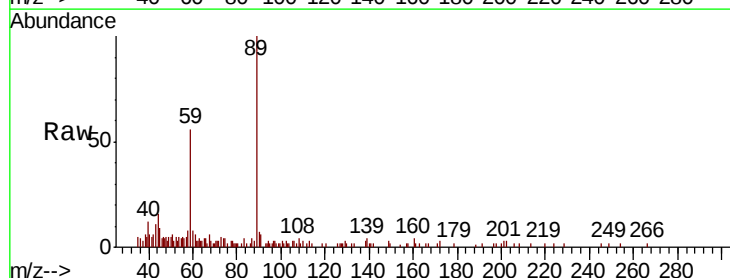
Acq: 22 Aug 2019 18:53

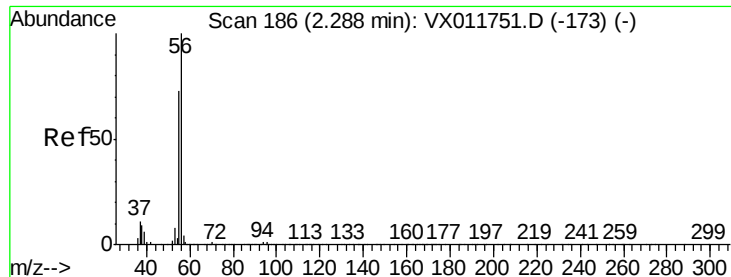
Tgt Ion: 59 Resp: 5040

Ion Ratio Lower Upper

59 100

57 8.1 8.4 12.6#





#13

Acrolein

Concen: 0.808 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

Instrument :

MSVOA_X

ClientSampled :

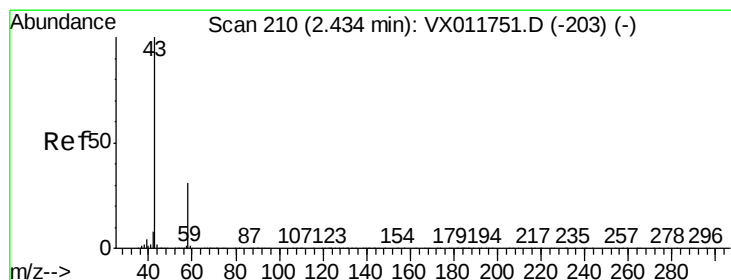
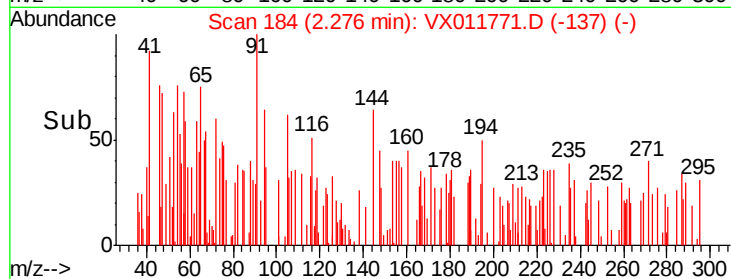
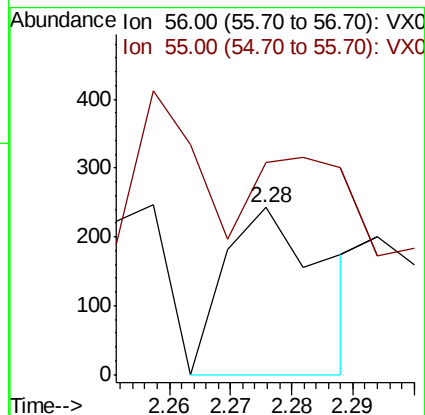
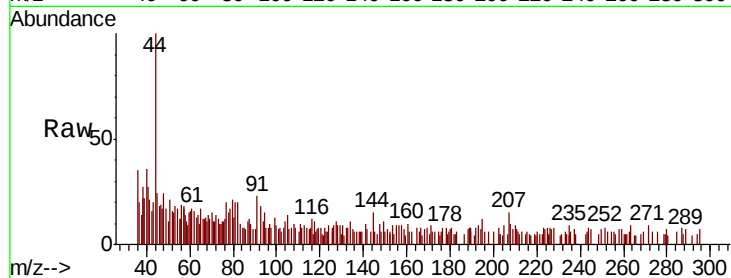
T6-E4-(0)

Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 53.8 54.8 82.2#



#16

Acetone

Concen: 5.514 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011771.D

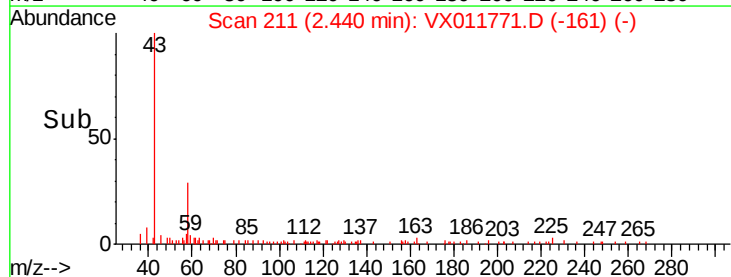
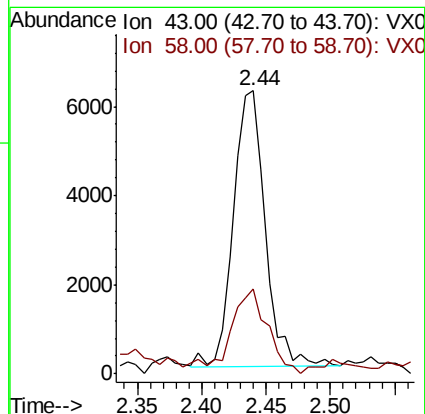
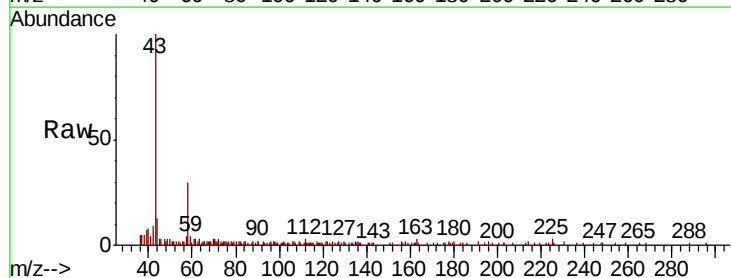
Acq: 22 Aug 2019 18:53

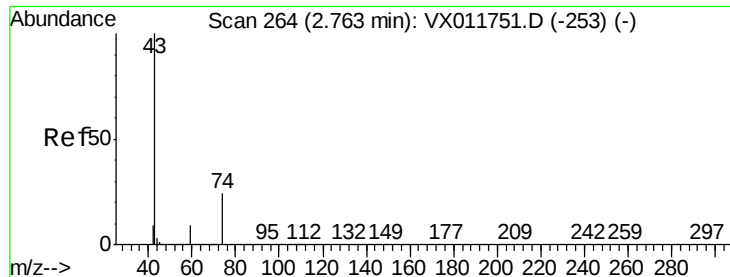
Tgt Ion: 43 Resp: 10683

Ion Ratio Lower Upper

43 100

58 27.0 24.4 36.6

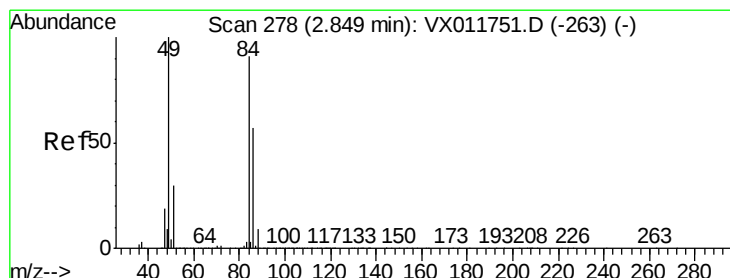
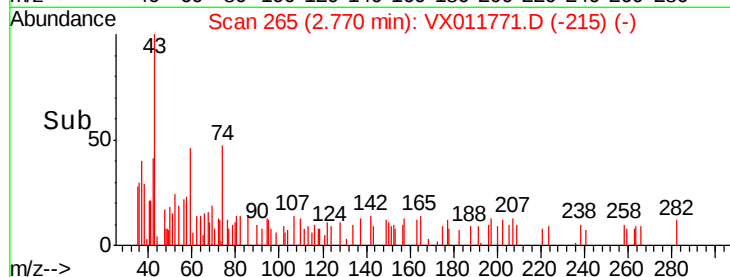
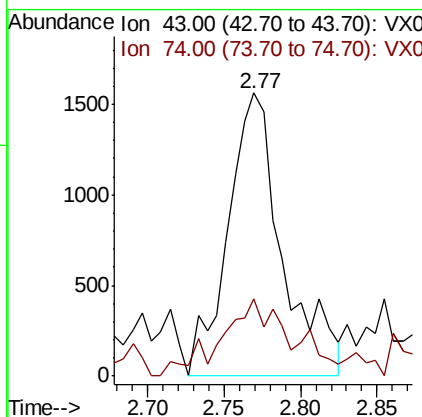
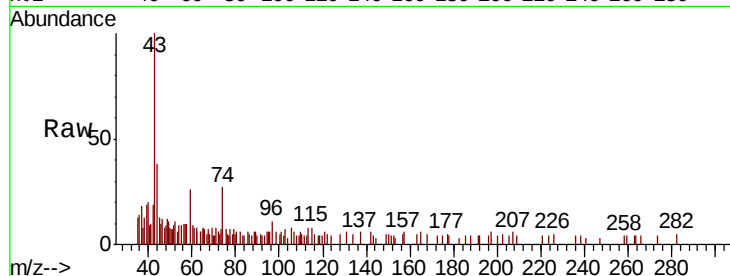




#18
Methyl Acetate
Concen: 0.737 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011771.D
Acq: 22 Aug 2019 18:53

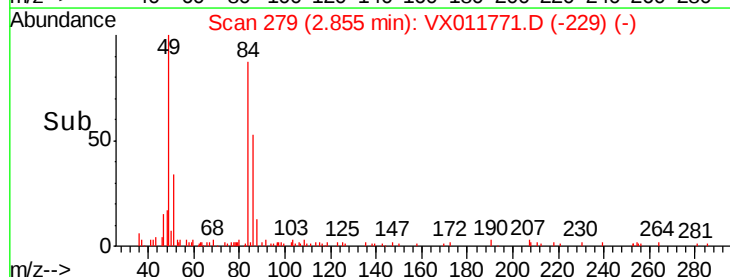
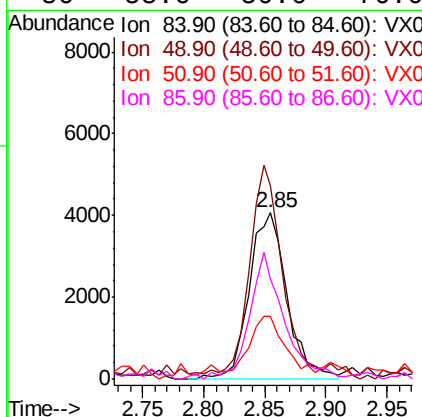
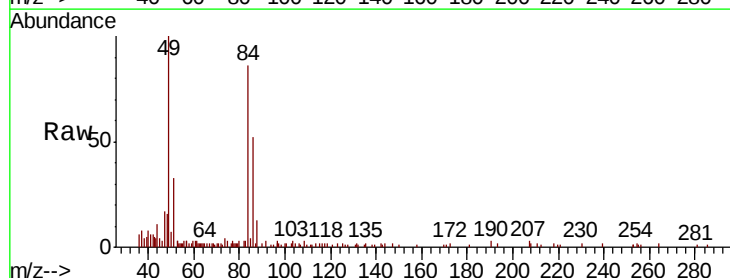
Instrument :
MSVOA_X
ClientSampleId :
T6-E4-(0)

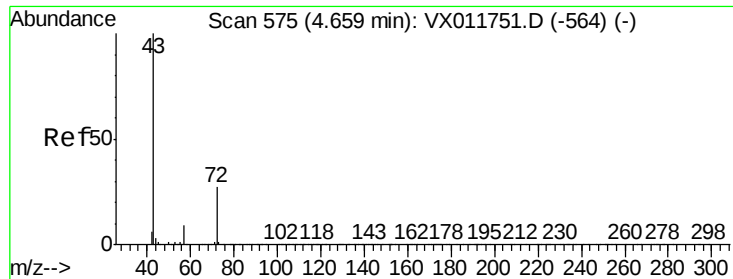
Tgt Ion: 43 Resp: 3876
Ion Ratio Lower Upper
43 100
74 30.0 19.5 29.3#



#20
Methylene Chloride
Concen: 2.215 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011771.D
Acq: 22 Aug 2019 18:53

Tgt Ion: 84 Resp: 8774
Ion Ratio Lower Upper
84 100
49 113.1 88.3 132.5
51 31.6 26.2 39.2
86 58.6 50.6 76.0





#25

2-Butanone

Concen: 0.749 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.02 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

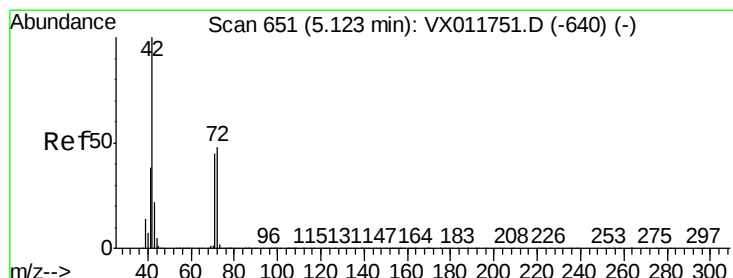
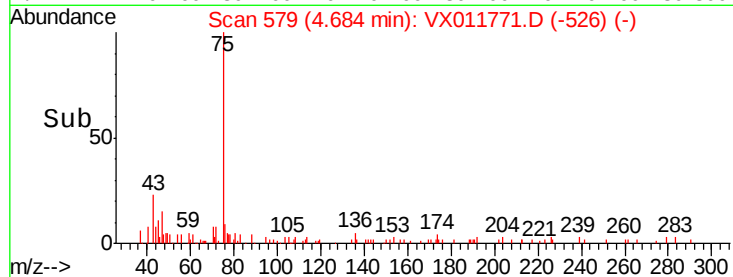
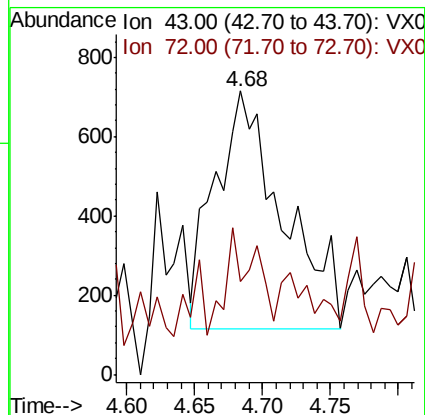
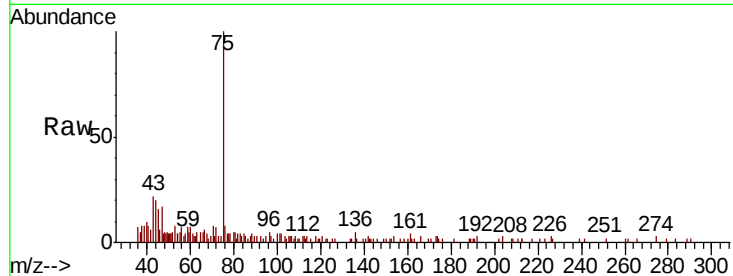
T6-E4-(0)

Tgt Ion: 43 Resp: 2084

Ion Ratio Lower Upper

43 100

72 15.0 21.8 32.6#



#29

Tetrahydrofuran

Concen: 0.204 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

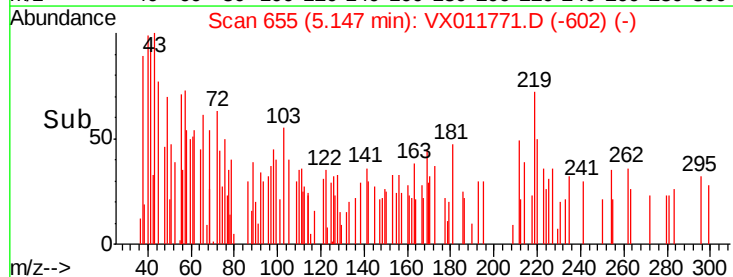
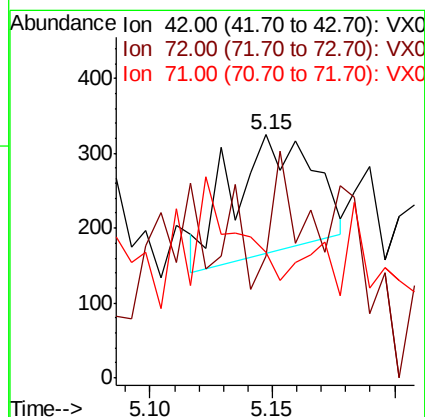
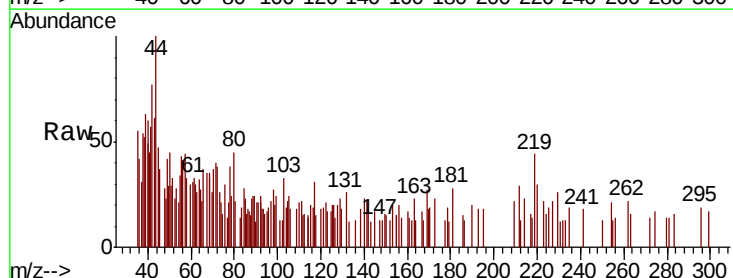
Tgt Ion: 42 Resp: 364

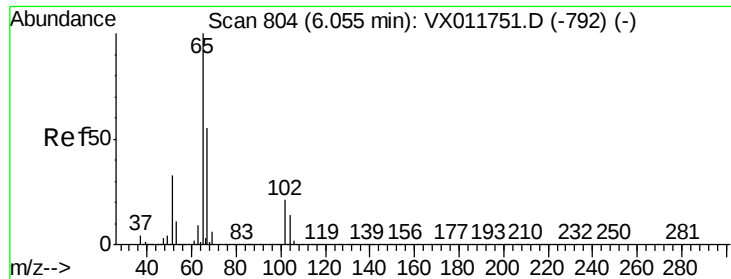
Ion Ratio Lower Upper

42 100

72 45.1 37.6 56.4

71 0.0 34.6 51.8#

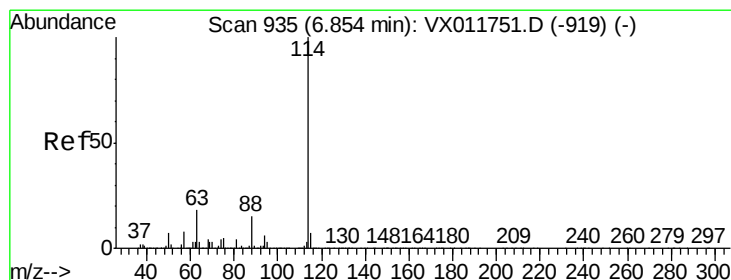
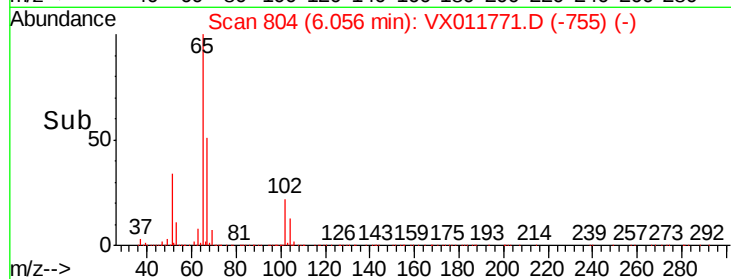
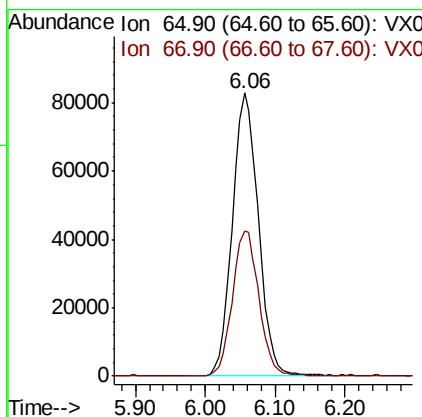
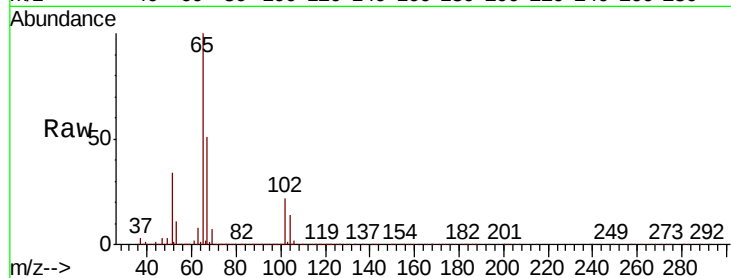




#33
 1,2-Dichloroethane-d4
 Concen: 48.203 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011771.D
 Acq: 22 Aug 2019 18:53

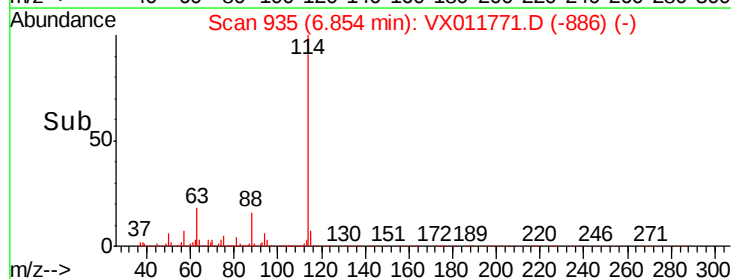
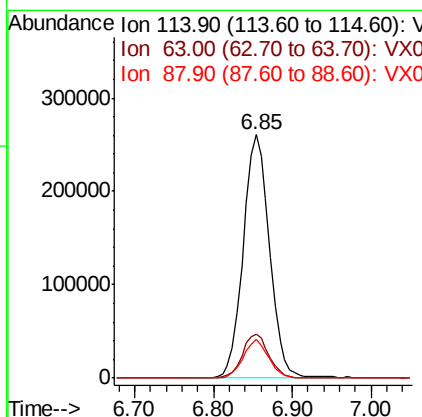
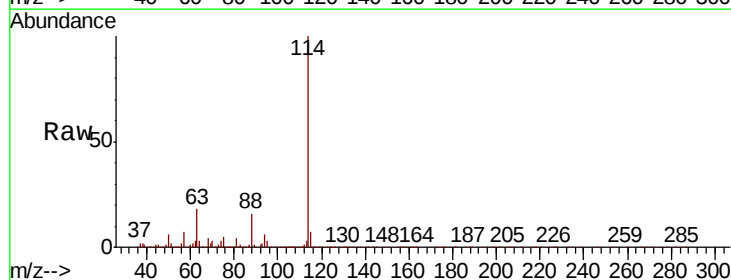
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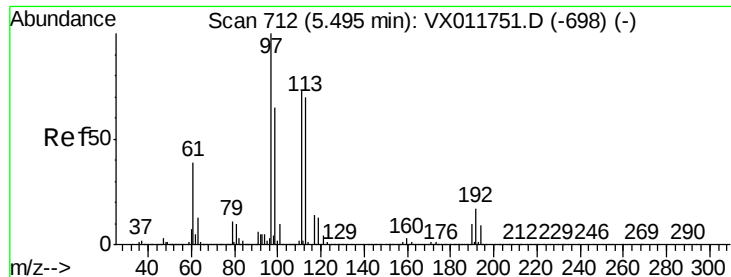
Tgt Ion: 65 Resp: 214682
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011771.D
 Acq: 22 Aug 2019 18:53

Tgt Ion: 114 Resp: 605781
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.8
 88 15.7 0.0 30.2

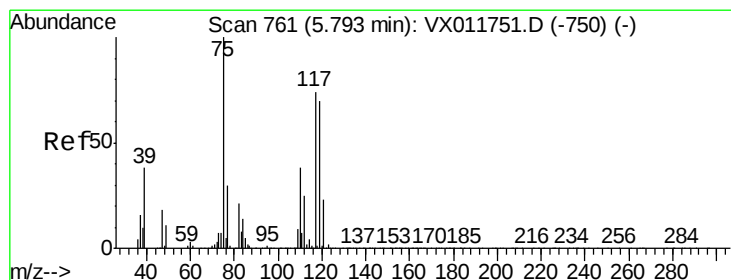
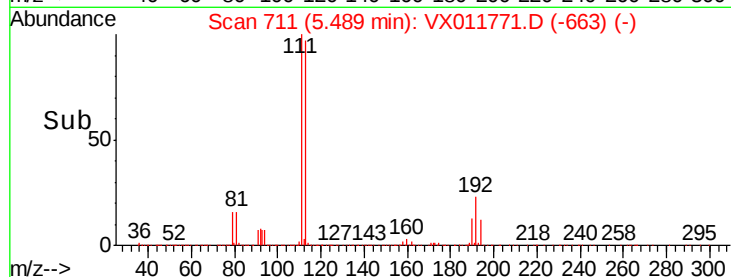
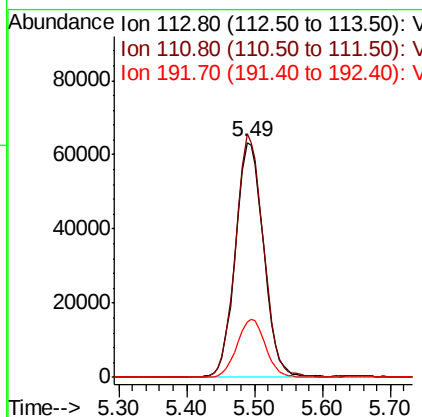
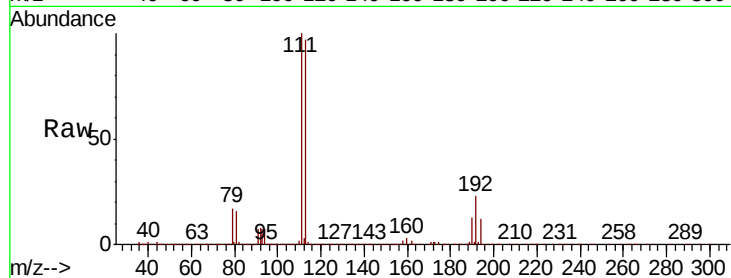




#35
 Dibromofluoromethane
 Concen: 46.550 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011771.D
 Acq: 22 Aug 2019 18:53

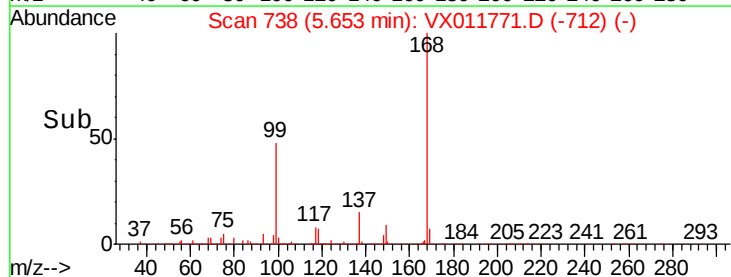
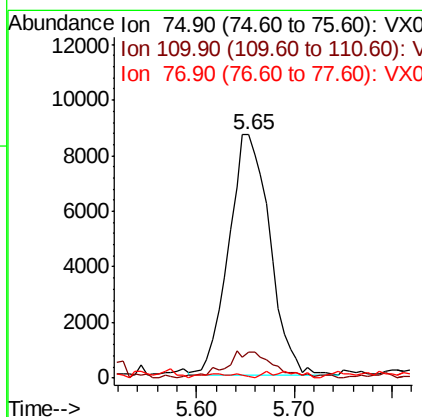
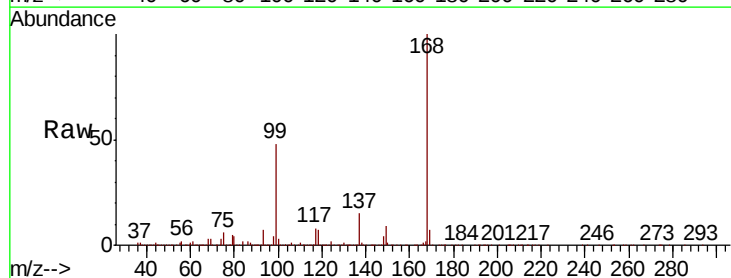
Instrument :
 MSVOA_X
 ClientSampleId :
 T6-E4-(0)

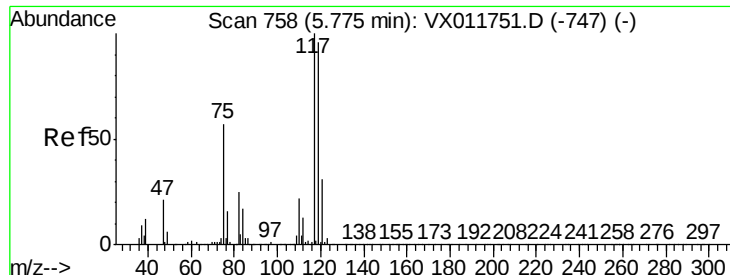
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.0	121.4
192	25.0	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.312 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011771.D
 Acq: 22 Aug 2019 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	13.0	19.0	57.0#
77	0.0	24.6	36.8#

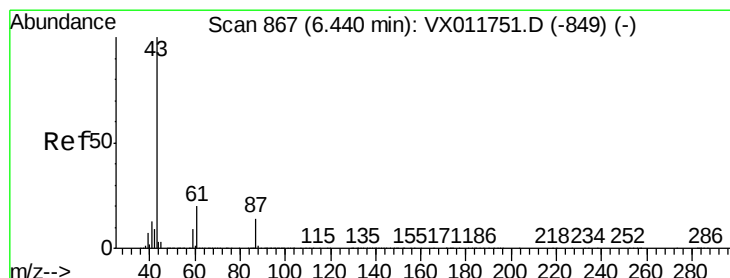
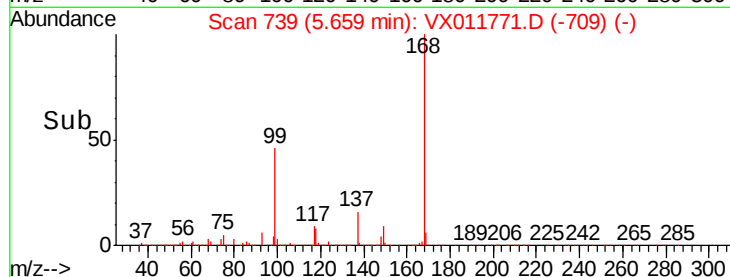
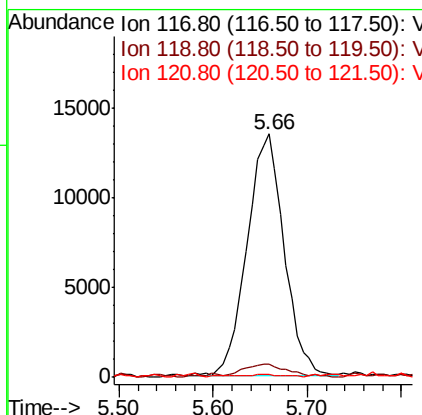
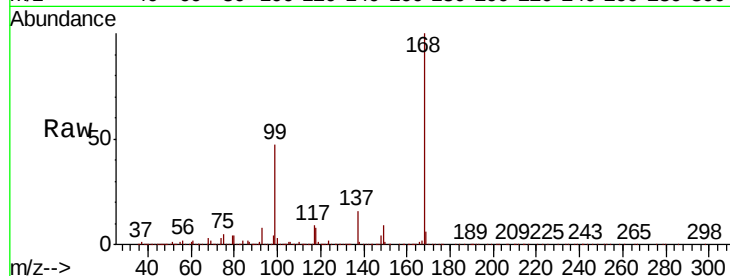




#38
Carbon Tetrachloride
Concen: 6.971 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX011771.D
Acq: 22 Aug 2019 18:53

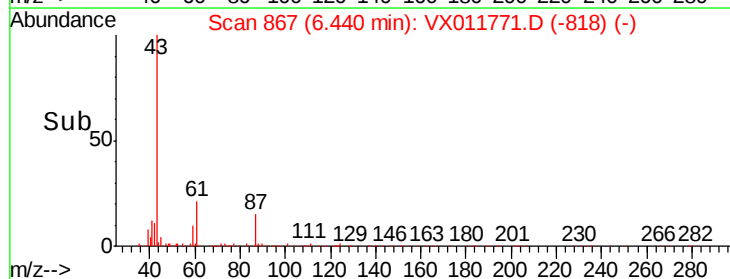
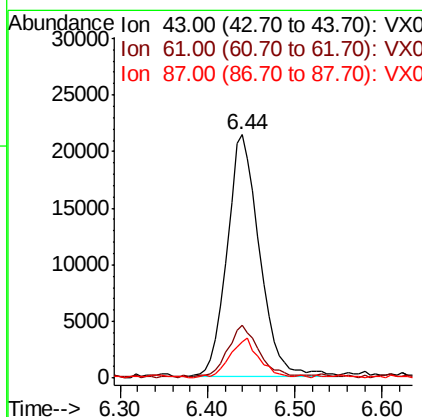
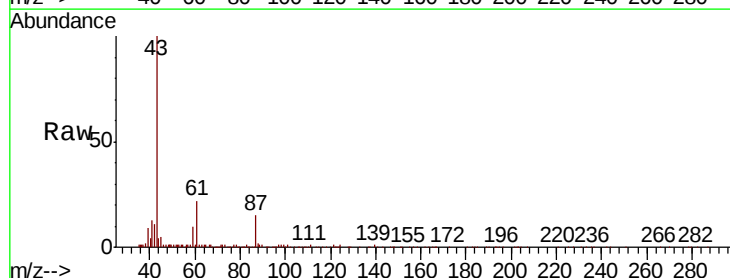
Instrument :
MSVOA_X
ClientSampleId :
T6-E4-(0)

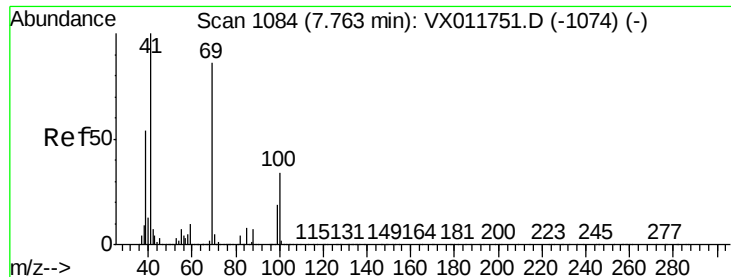
Tgt Ion: 117 Resp: 37527
Ion Ratio Lower Upper
117 100
119 5.6 76.6 114.8#
121 0.0 25.2 37.8#



#43
Isopropyl Acetate
Concen: 6.785 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011771.D
Acq: 22 Aug 2019 18:53

Tgt Ion: 43 Resp: 55205
Ion Ratio Lower Upper
43 100
61 20.5 16.2 24.2
87 14.8 11.6 17.4

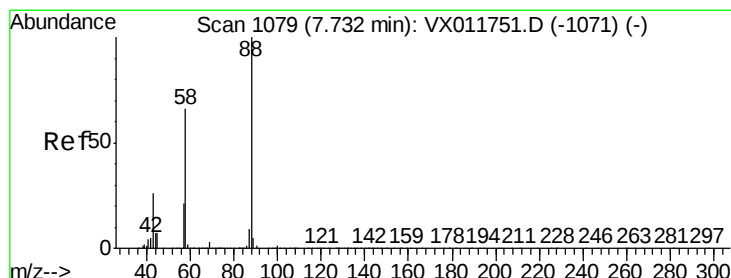
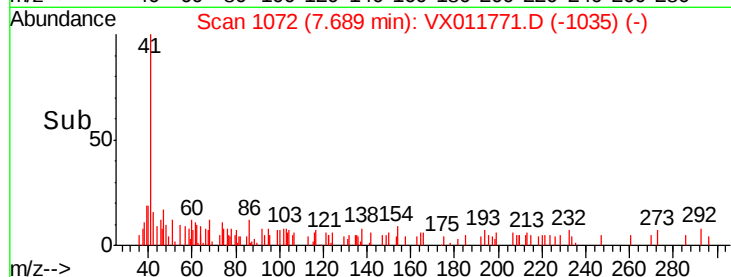
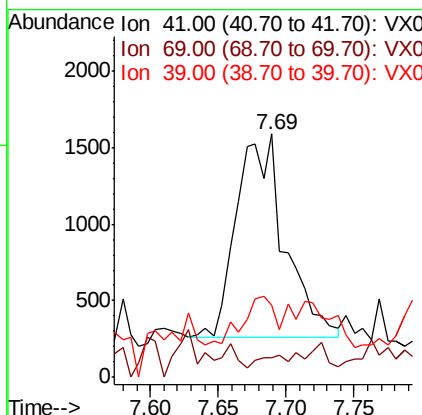
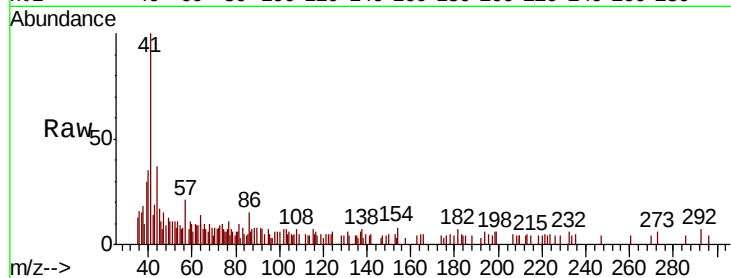




#48
Methyl methacrylate
Concen: 0.812 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.07 min
Lab File: VX011771.D
Acq: 22 Aug 2019 18:53

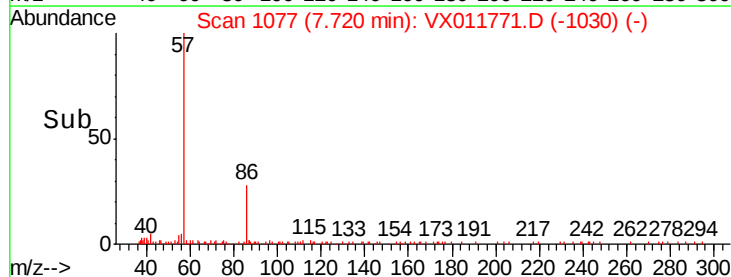
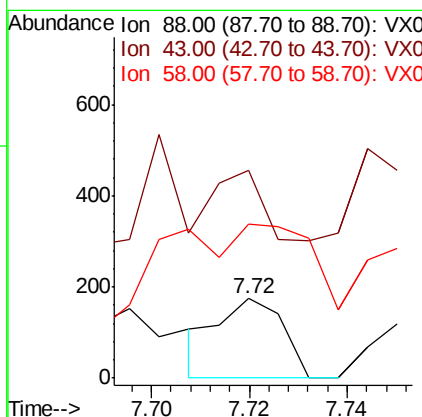
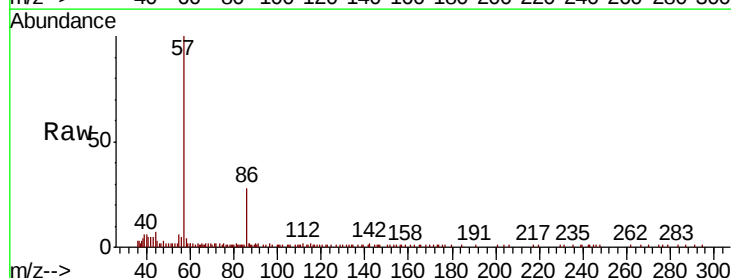
Instrument :
MSVOA_X
ClientSampleId :
T6-E4-(0)

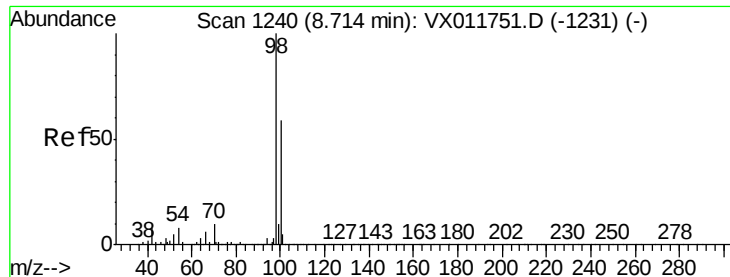
Tgt Ion: 41 Resp: 3289
Ion Ratio Lower Upper
41 100
69 3.3 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 1.408 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX011771.D
Acq: 22 Aug 2019 18:53

Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 151.9 51.4 77.2#





#50

Toluene-d8

Concen: 50.963 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

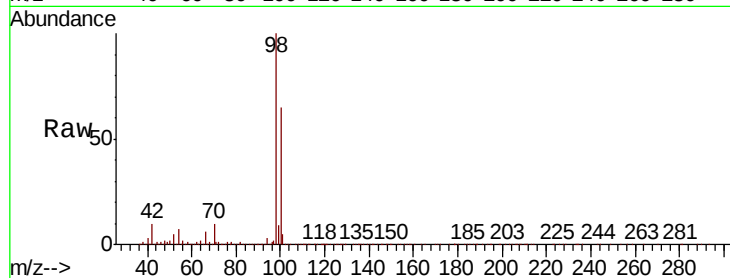
T6-E4-(0)

Tgt Ion: 98 Resp: 696327

Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

500000

400000

300000

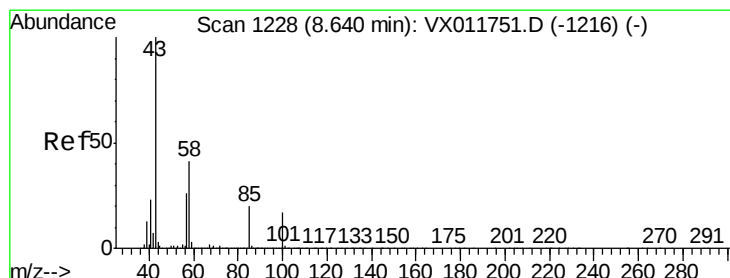
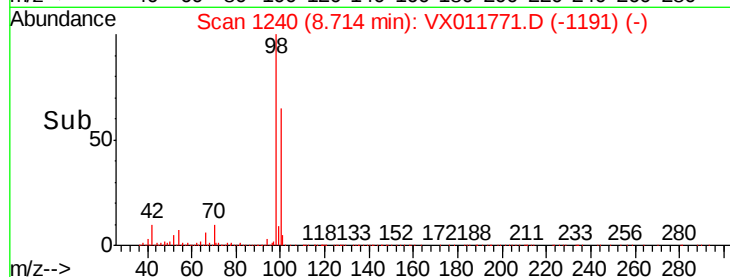
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 10.086 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011771.D

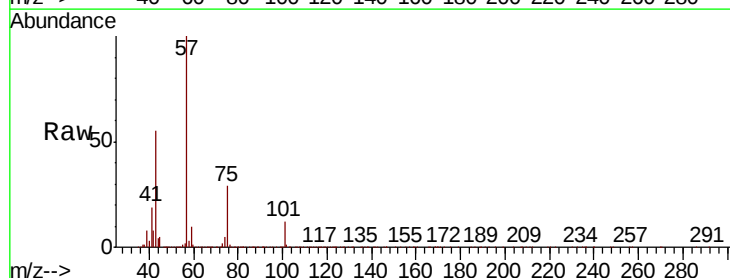
Acq: 22 Aug 2019 18:53

Tgt Ion: 43 Resp: 54074

Ion Ratio Lower Upper

43 100

58 11.3 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.61

40000

30000

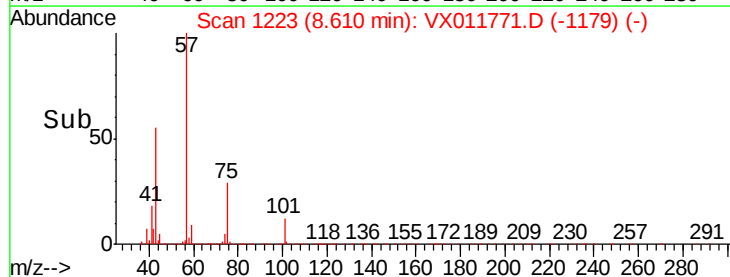
20000

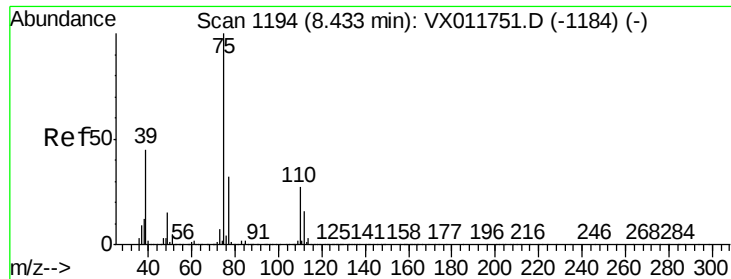
10000

0

8.55 8.60 8.65 8.70

Time-->





#54

cis-1,3-Dichloropropene

Concen: 4.698 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

T6-E4-(0)

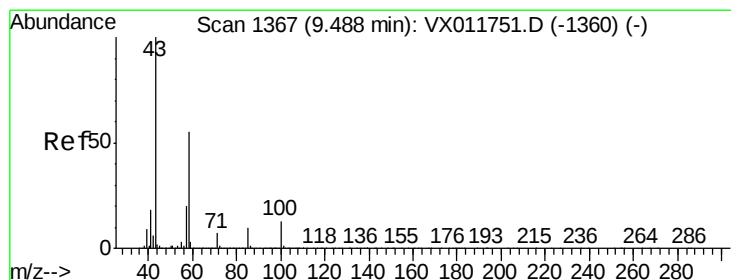
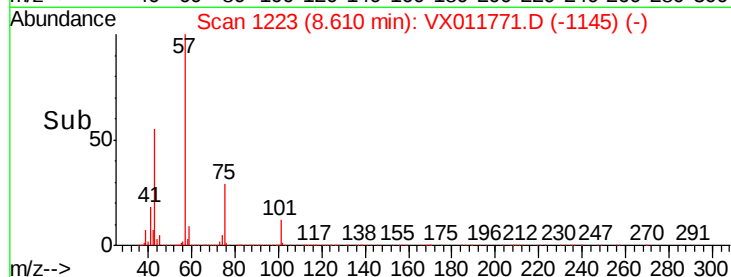
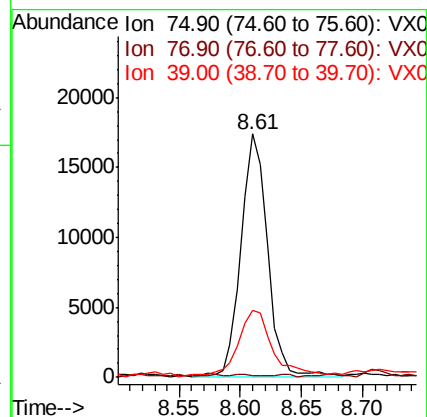
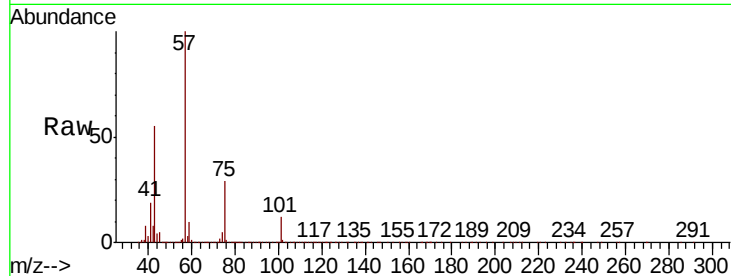
Tgt Ion: 75 Resp: 26374

Ion Ratio Lower Upper

75 100

77 0.3 25.4 38.2#

39 26.2 36.2 54.4#



#59

2-Hexanone

Concen: 12.772 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011771.D

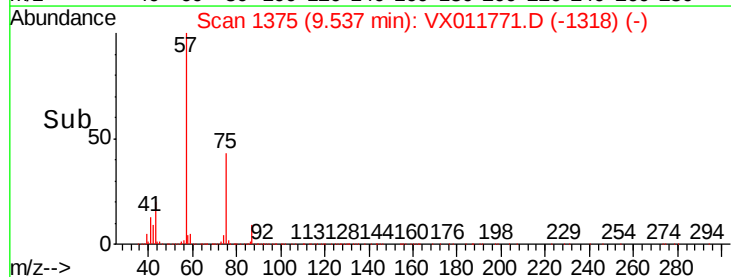
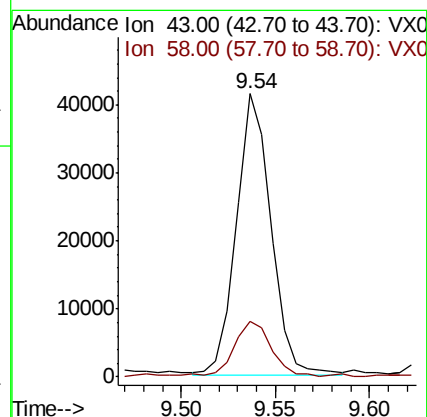
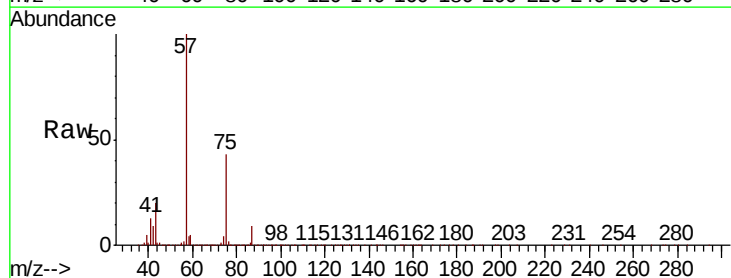
Acq: 22 Aug 2019 18:53

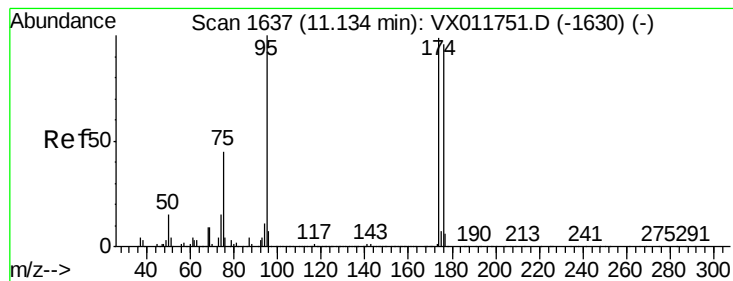
Tgt Ion: 43 Resp: 52557

Ion Ratio Lower Upper

43 100

58 20.3 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 44.966 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

T6-E4-(0)

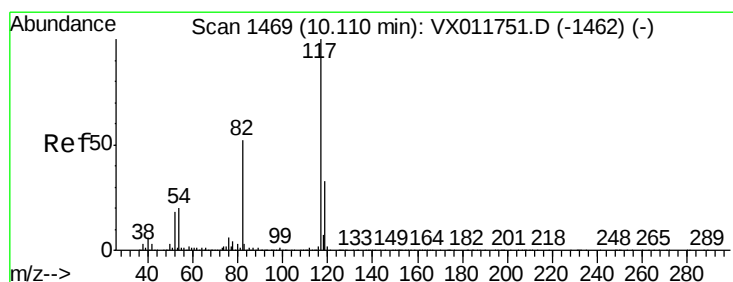
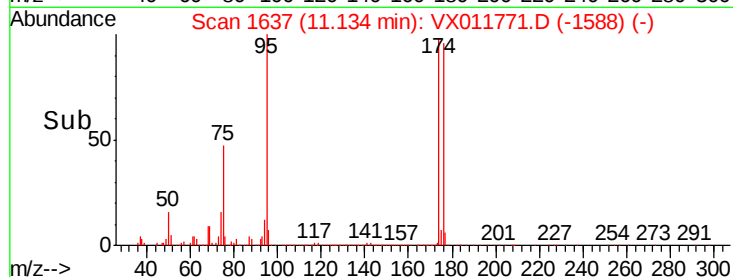
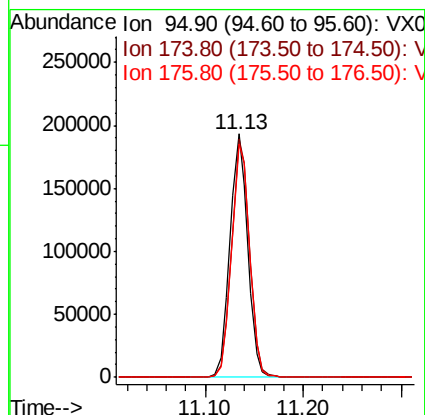
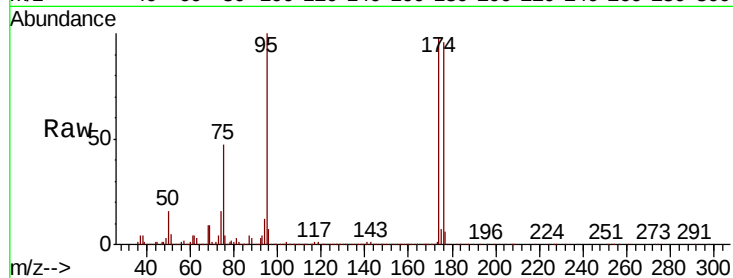
Tgt Ion: 95 Resp: 242844

Ion Ratio Lower Upper

95 100

174 99.1 0.0 197.4

176 97.5 0.0 194.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

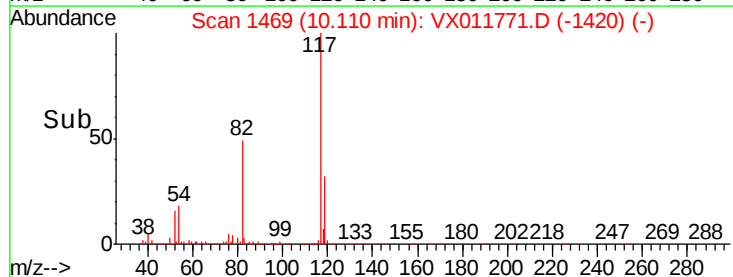
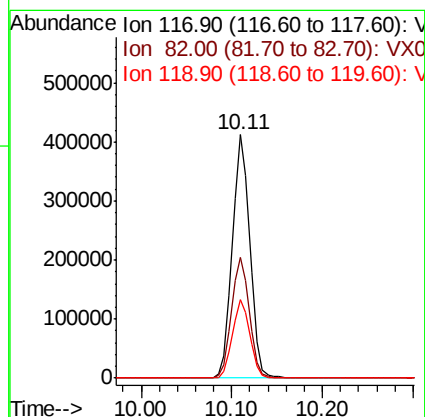
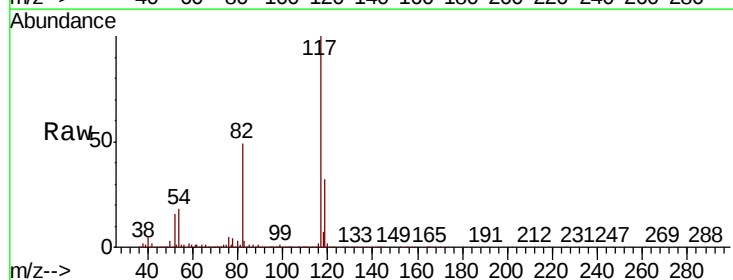
Tgt Ion: 117 Resp: 553447

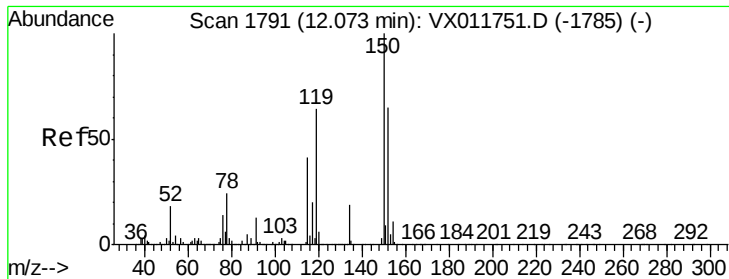
Ion Ratio Lower Upper

117 100

82 49.3 41.7 62.5

119 32.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

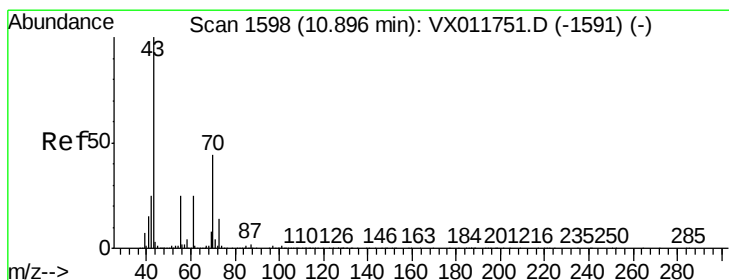
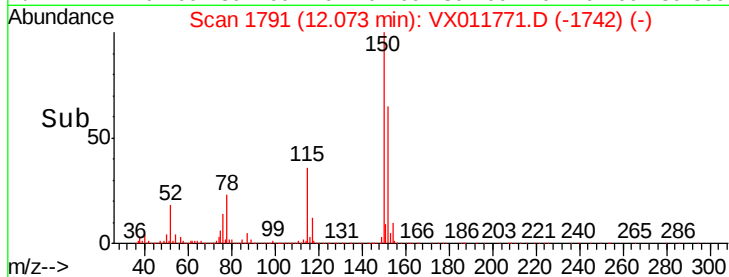
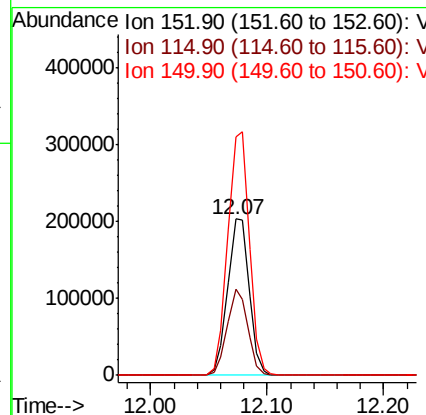
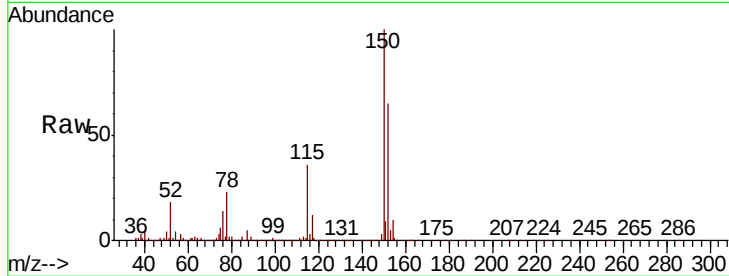
Instrument :

MSVOA_X

ClientSampleId :

T6-E4-(0)

Tgt Ion:	152	Resp:	260209
Ion	Ratio	Lower	Upper
152	100		
115	52.9	37.3	111.8
150	156.2	0.0	343.0



#74

N-ethyl acetate

Concen: 0.384 ug/l

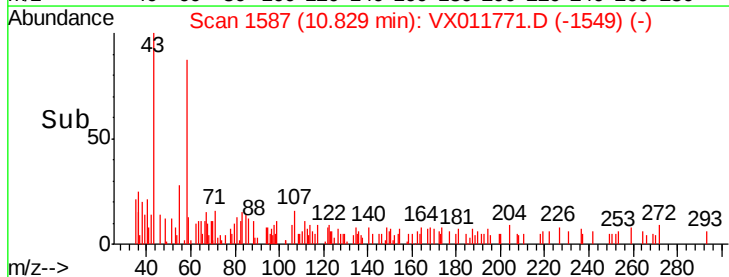
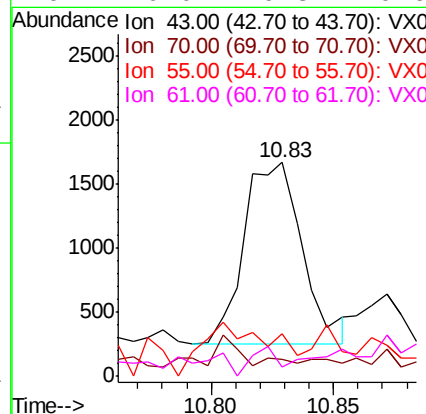
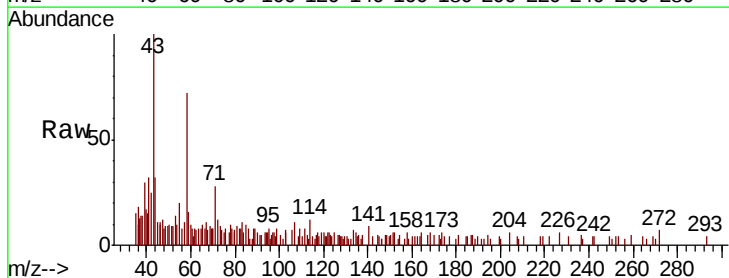
RT: 10.83 min Scan# 1587

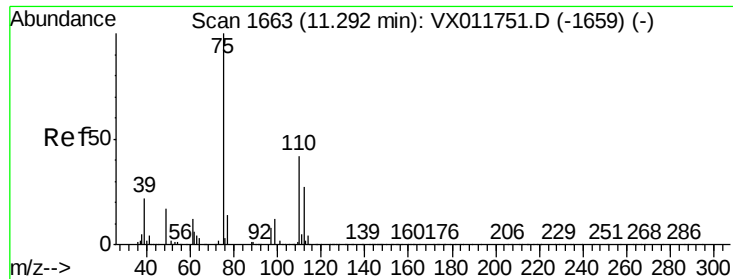
Delta R.T. -0.07 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

Tgt Ion:	43	Resp:	2332
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.8	52.2#
55	6.8	19.5	29.3#
61	0.0	19.8	29.6#





#76

1,2,3-Trichloropropane

Concen: 24.637 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

Instrument :

MSVOA_X

ClientSampled :

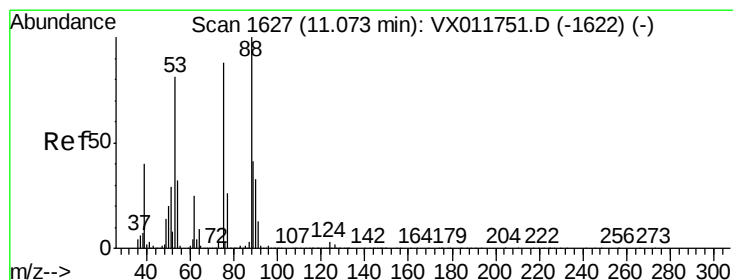
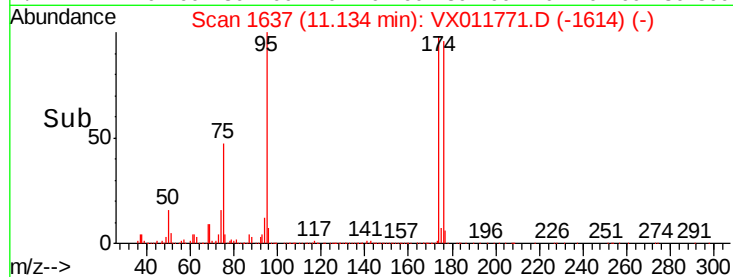
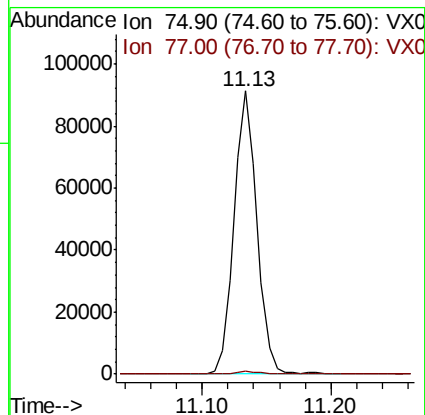
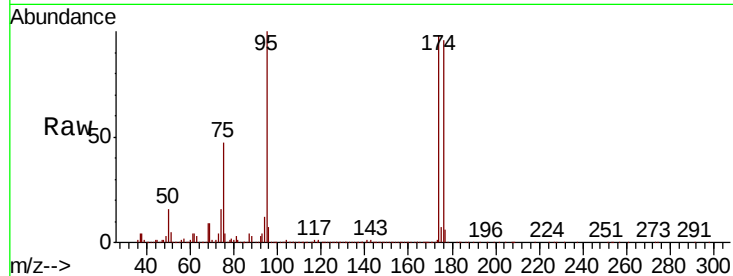
T6-E4-(0)

Tgt Ion: 75 Resp: 112489

Ion Ratio Lower Upper

75 100

77 1.8 21.1 63.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.300 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011771.D

Acq: 22 Aug 2019 18:53

Tgt Ion: 75 Resp: 112489

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.0 38.5 57.7#

