

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
 Data File : VX011827.D
 Acq On : 24 Aug 2019 18:36
 Operator : JC/SP
 Sample : K4474-27
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F4(0)

Quant Time: Aug 26 04:11:35 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	457862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	621362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	582368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	320814	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	204543	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	
35) Dibromofluoromethane	5.49	113	186765	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	8.71	98	712575	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.13	95	258957	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	

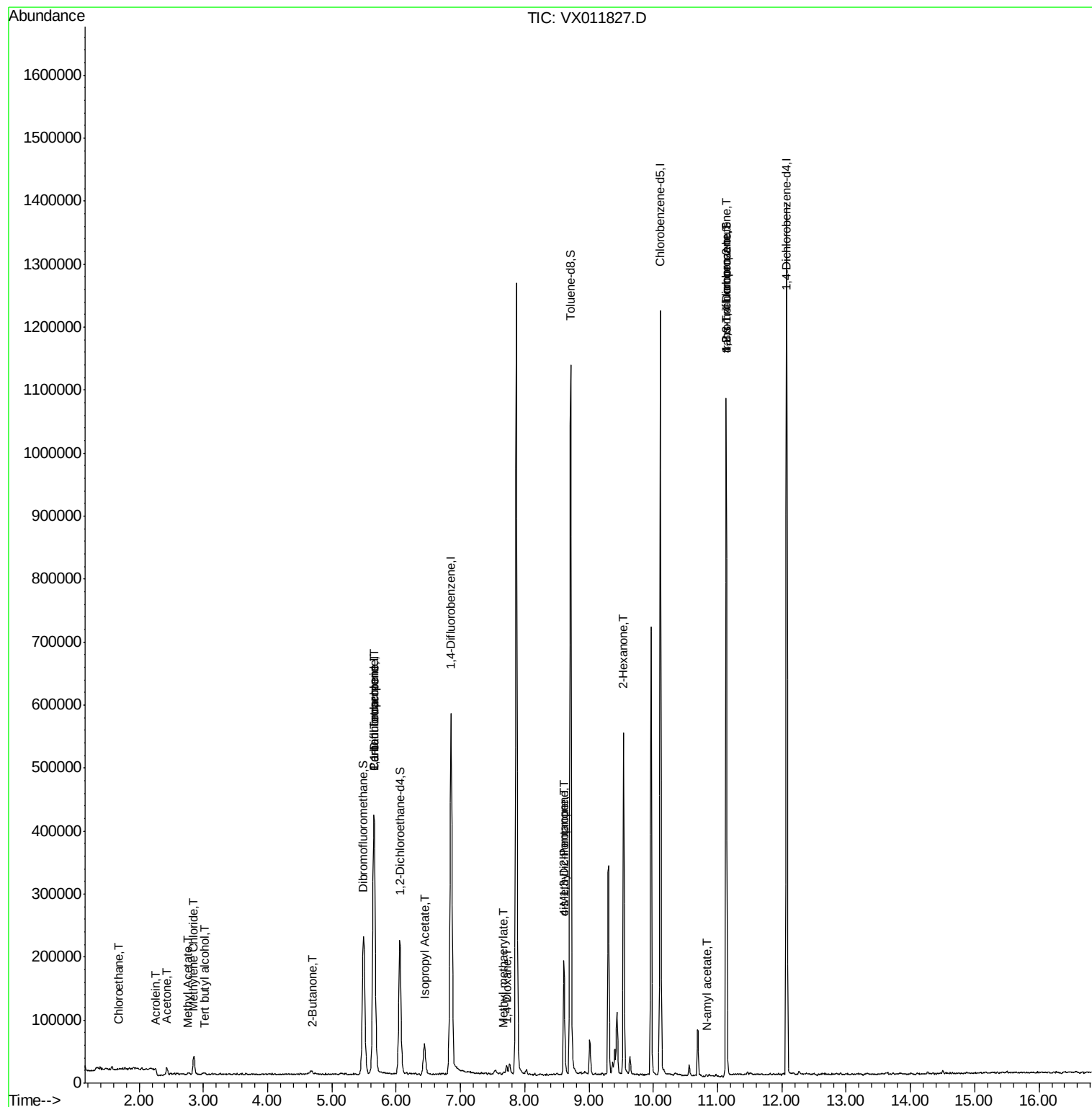
Target Compounds						Qvalue
6) Chloroethane	1.68	64	484	0.221	ug/l #	59
11) Tert butyl alcohol	3.01	59	2531	2.785	ug/l #	91
13) Acrolein	2.26	56	461	1.312	ug/l #	36
16) Acetone	2.43	43	11318	5.657	ug/l	99
18) Methyl Acetate	2.76	43	2906	0.535	ug/l	93
20) Methylene Chloride	2.85	84	15068	3.684	ug/l	98
25) 2-Butanone	4.69	43	1721	0.599	ug/l	94
36) 1,1-Dichloropropene	5.65	75	24654	5.060	ug/l #	51
38) Carbon Tetrachloride	5.65	117	38023	6.886	ug/l #	15
43) Isopropyl Acetate	6.44	43	66912	8.017	ug/l	98
48) Methyl methacrylate	7.68	41	4388	1.056	ug/l #	14
49) 1,4-Dioxane	7.73	88	127	1.104	ug/l #	26
51) 4-Methyl-2-Pentanone	8.61	43	59241	10.773	ug/l #	53
54) cis-1,3-Dichloropropene	8.61	75	30084	5.224	ug/l #	61
59) 2-Hexanone	9.54	43	63174	14.967	ug/l #	51
74) N-amyl acetate	10.82	43	2071	0.277	ug/l #	46
76) 1,2,3-Trichloropropane	11.13	75	115971	20.601	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	115971	62.130	ug/l #	11

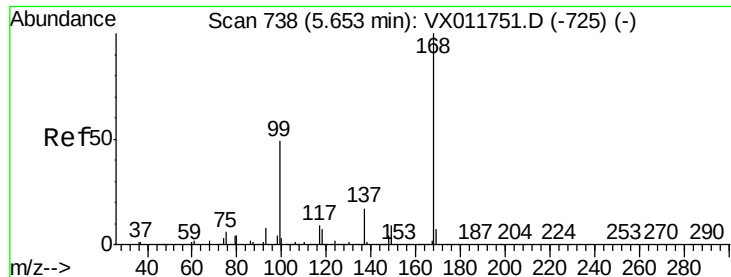
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

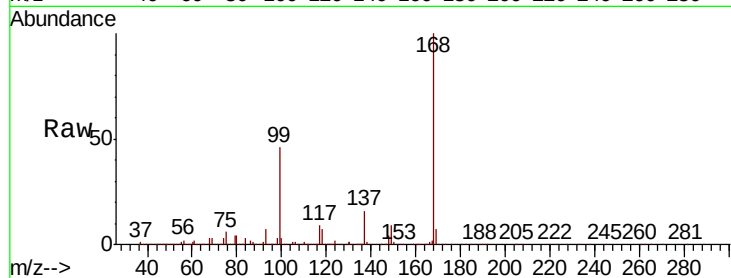
T1-2-F4-(0)

Tgt Ion:168 Resp: 457862

Ion Ratio Lower Upper

168 100

99 45.8 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

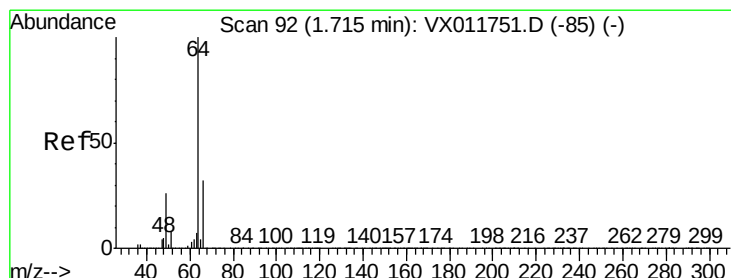
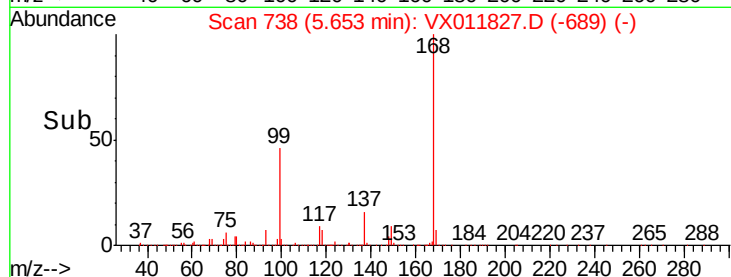
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 0.221 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX011827.D

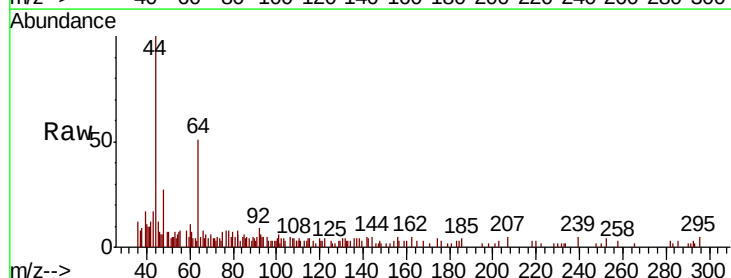
Acq: 24 Aug 2019 18:36

Tgt Ion: 64 Resp: 484

Ion Ratio Lower Upper

64 100

66 8.7 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1500

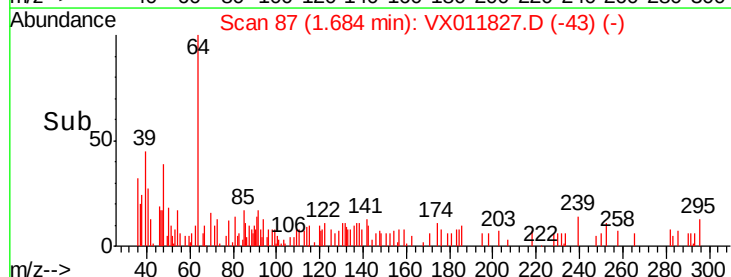
1000

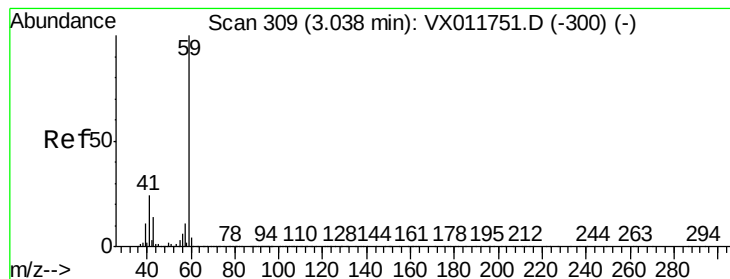
500

0

1.66 1.68 1.70

Time-->



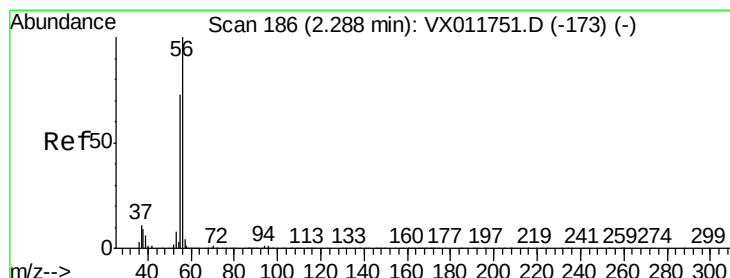
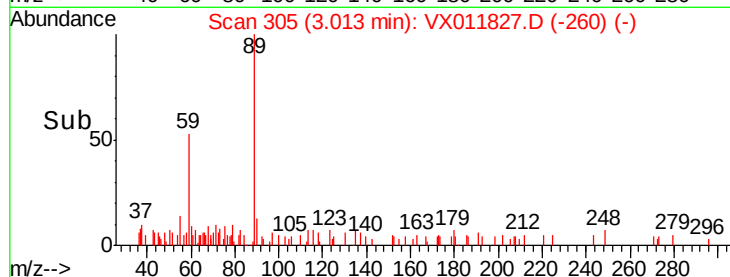
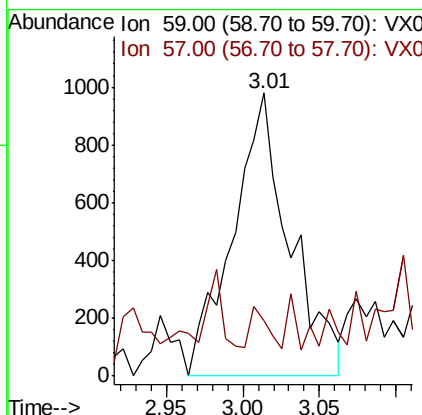
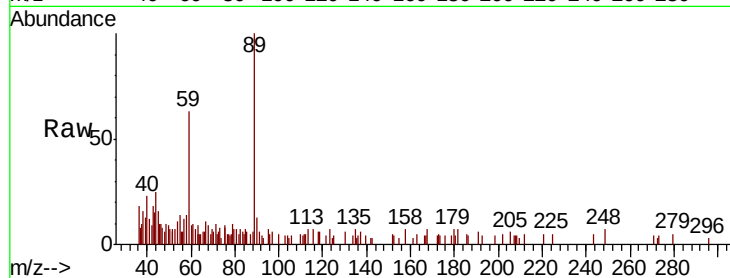


#11

Tert butyl alcohol
Concen: 2.785 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011827.D
Acq: 24 Aug 2019 18:36

Instrument :
MSVOA_X
ClientSampled :
T1-2-F4-(0)

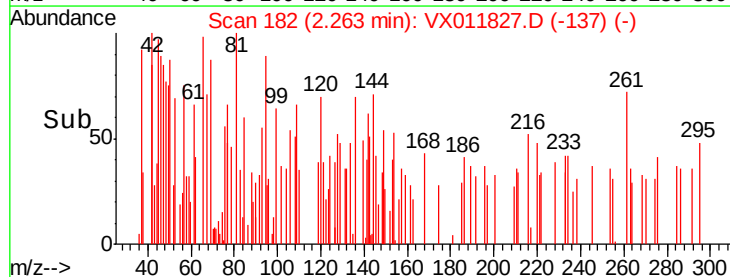
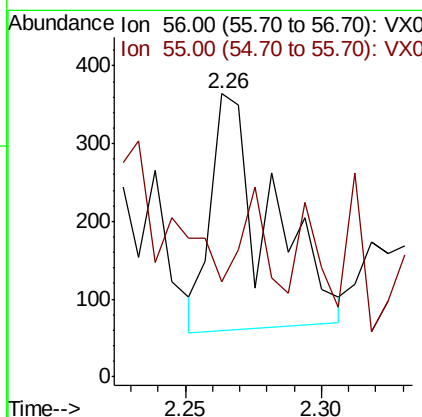
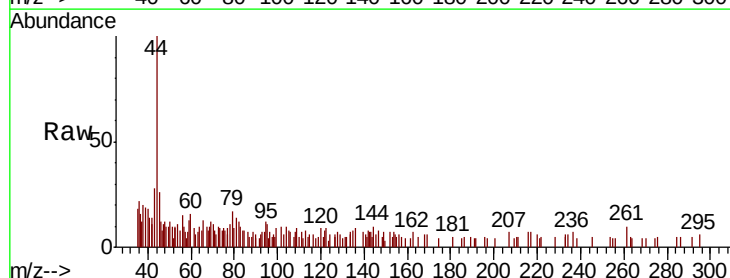
Tgt Ion: 59 Resp: 2531
Ion Ratio Lower Upper
59 100
57 7.2 8.4 12.6#

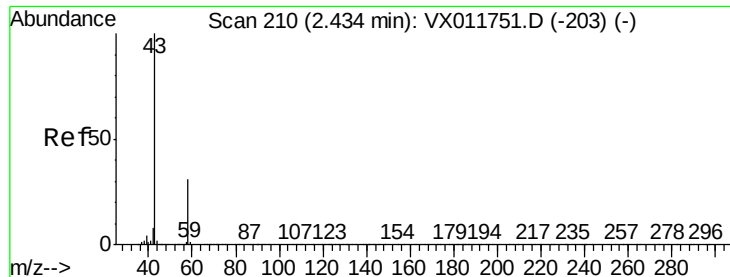


#13

Acrolein
Concen: 1.312 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.02 min
Lab File: VX011827.D
Acq: 24 Aug 2019 18:36

Tgt Ion: 56 Resp: 461
Ion Ratio Lower Upper
56 100
55 16.7 54.8 82.2#





#16

Acetone

Concen: 5.657 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

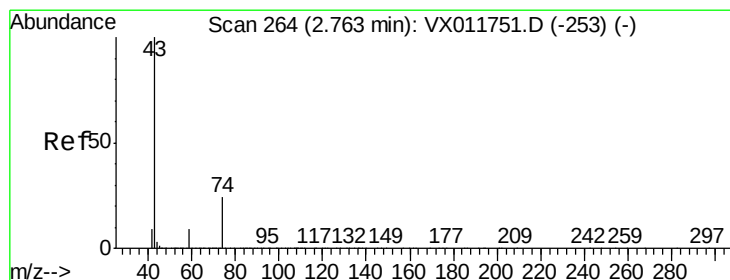
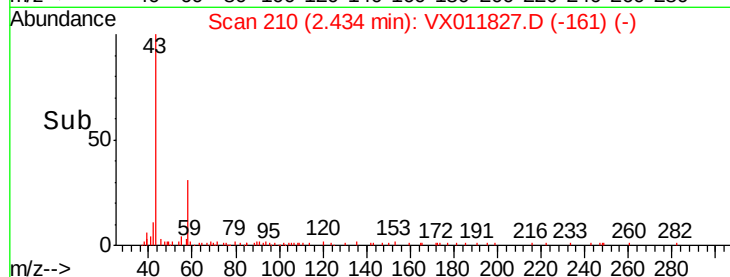
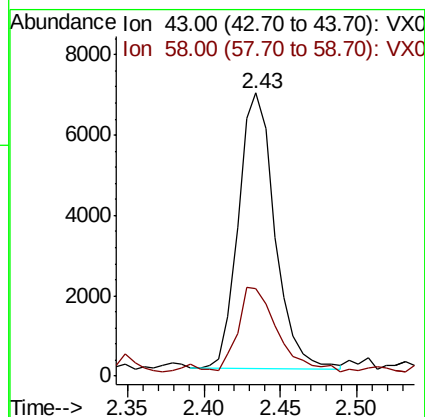
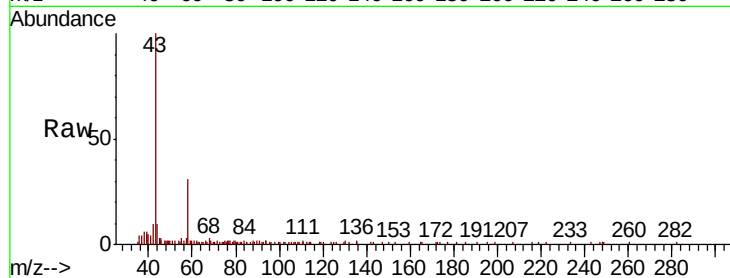
T1-2-F4-(0)

Tgt Ion: 43 Resp: 11318

Ion Ratio Lower Upper

43 100

58 30.1 24.4 36.6



#18

Methyl Acetate

Concen: 0.535 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011827.D

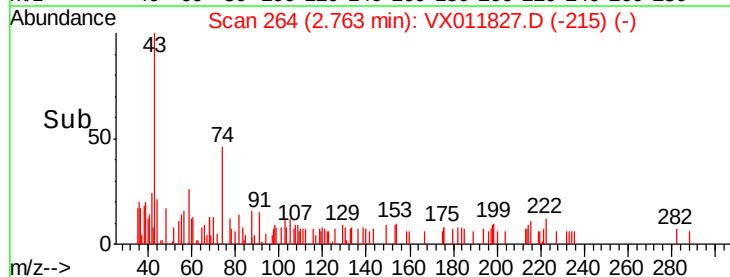
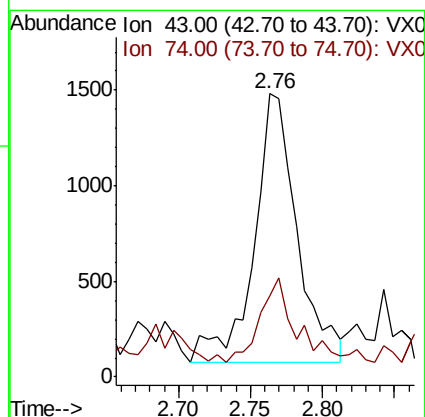
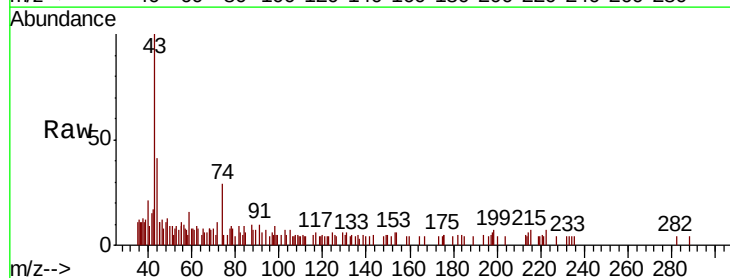
Acq: 24 Aug 2019 18:36

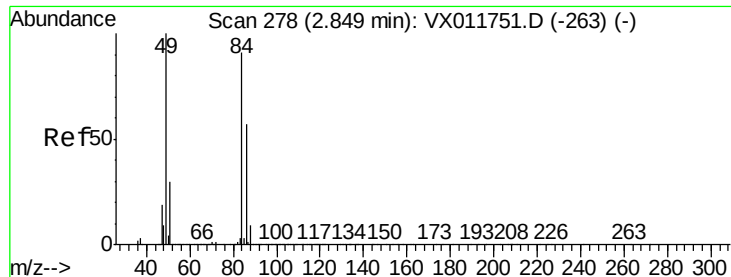
Tgt Ion: 43 Resp: 2906

Ion Ratio Lower Upper

43 100

74 27.7 19.5 29.3

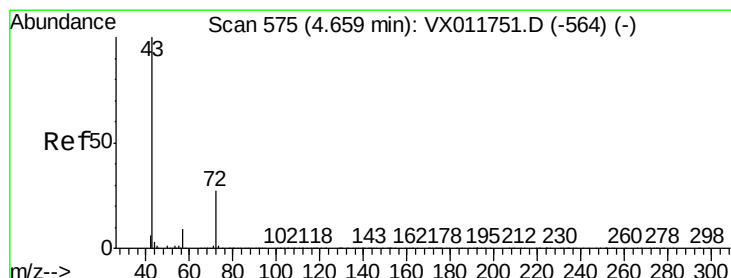
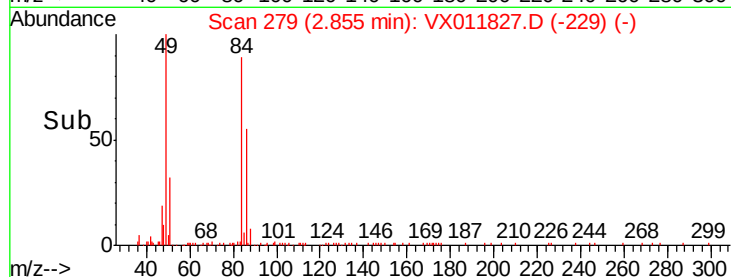
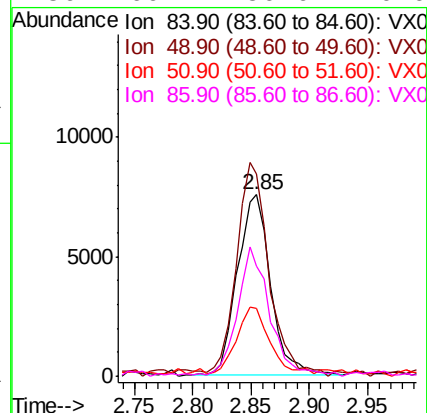
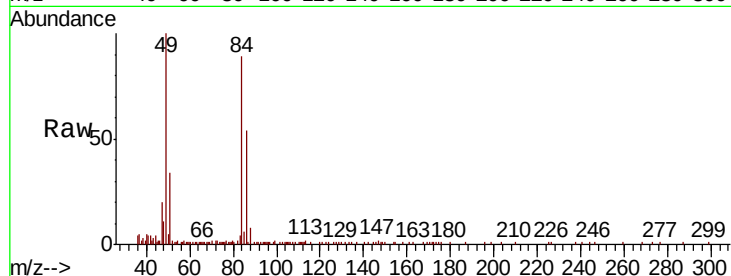




#20
Methylene Chloride
Concen: 3.684 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011827.D
Acq: 24 Aug 2019 18:36

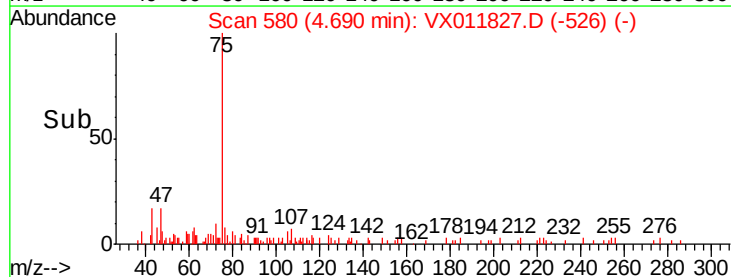
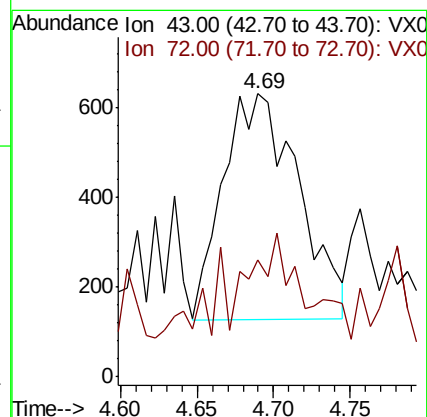
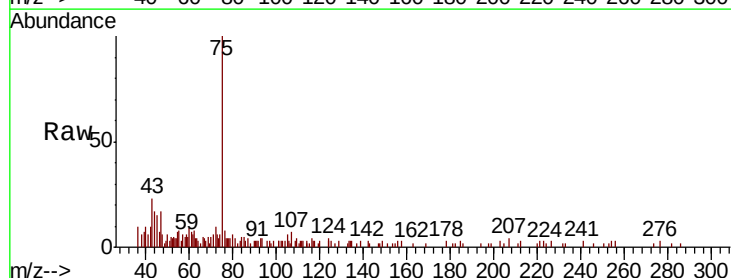
Instrument :
MSVOA_X
ClientSampled :
T1-2-F4-(0)

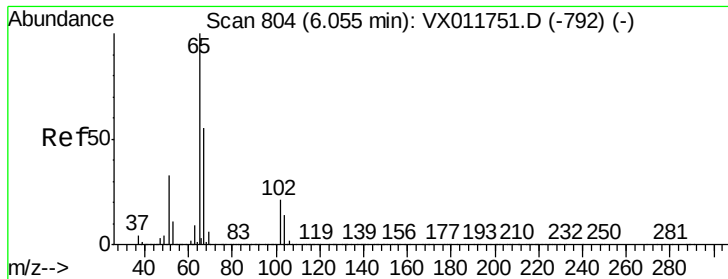
Tgt Ion:	84	Resp:	15068
Ion	Ratio	Lower	Upper
84	100		
49	110.5	88.3	132.5
51	35.6	26.2	39.2
86	60.1	50.6	76.0



#25
2-Butanone
Concen: 0.599 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.03 min
Lab File: VX011827.D
Acq: 24 Aug 2019 18:36

Tgt Ion:	43	Resp:	1721
Ion	Ratio	Lower	Upper
43	100		
72	30.5	21.8	32.6





#33

1,2-Dichloroethane-d4

Concen: 44.471 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

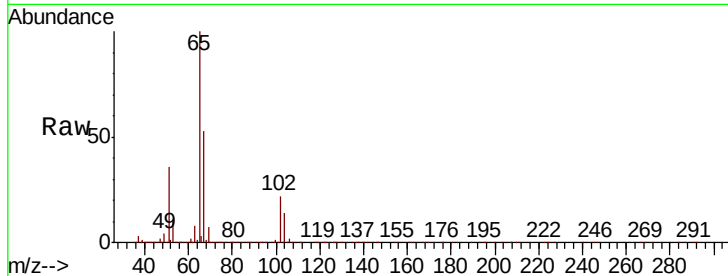
T1-2-F4-(0)

Tgt Ion: 65 Resp: 204543

Ion Ratio Lower Upper

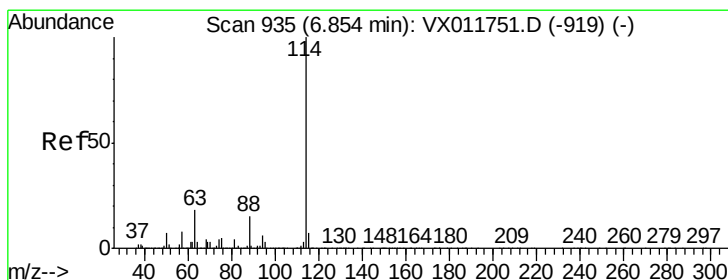
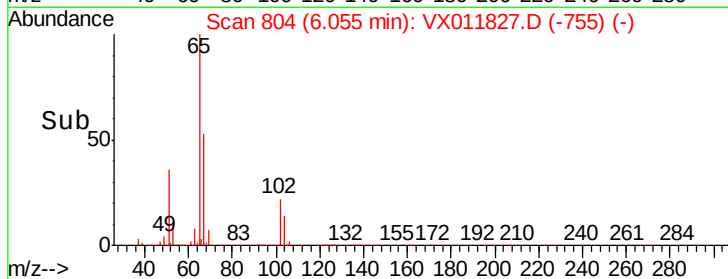
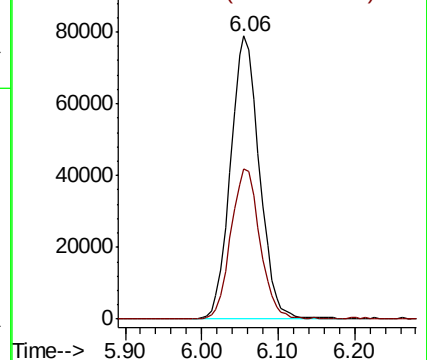
65 100

67 53.7 0.0 107.8



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: VX011827.D

Acq: 24 Aug 2019 18:36

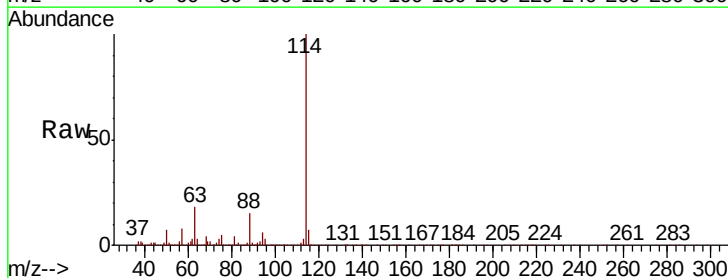
Tgt Ion: 114 Resp: 621362

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

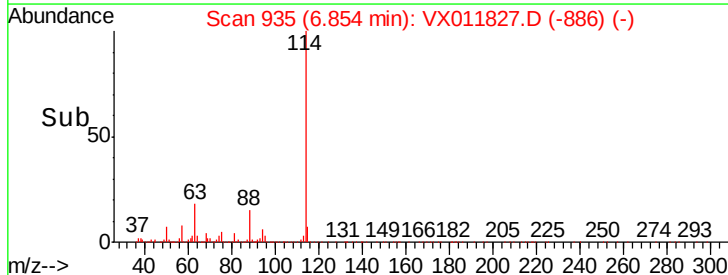
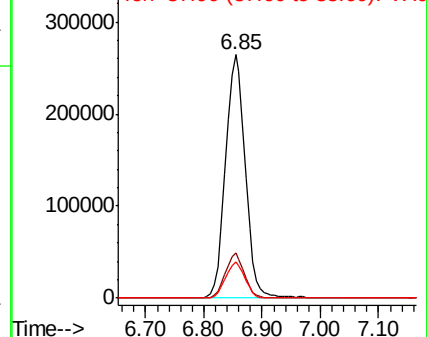
88 14.7 0.0 30.2

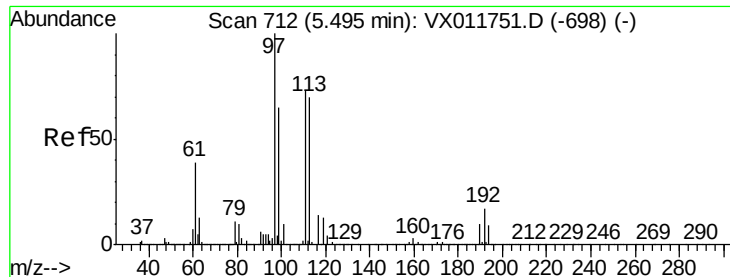


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.482 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F4-(0)

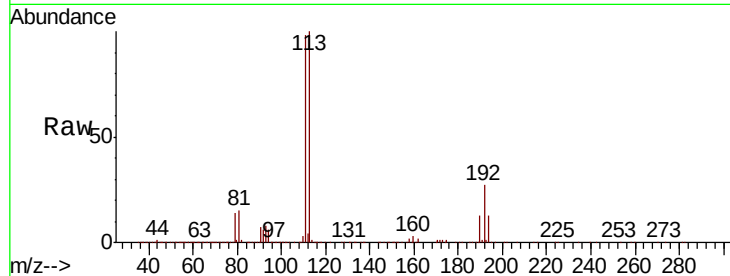
Tgt Ion:113 Resp: 186765

Ion Ratio Lower Upper

113 100

111 100.4 81.0 121.4

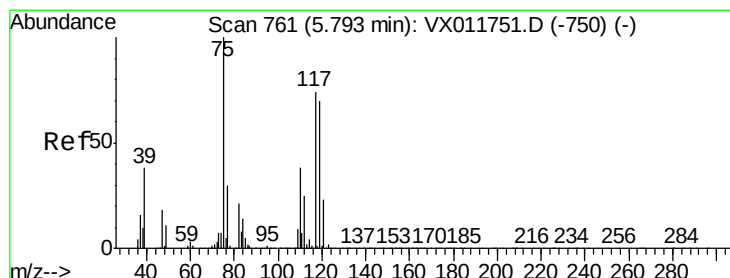
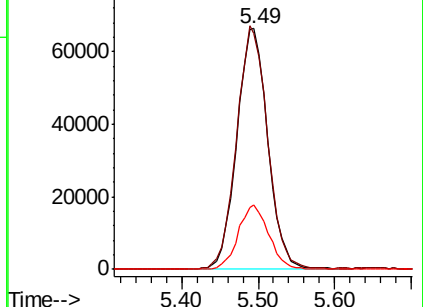
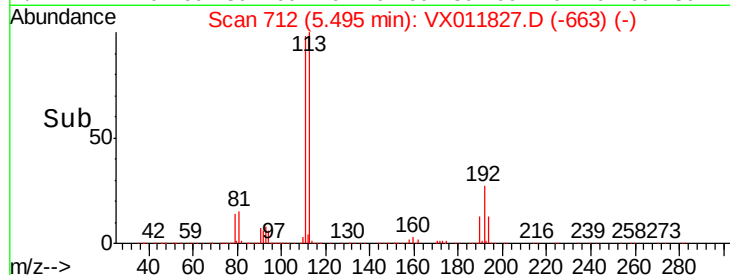
192 26.4 19.9 29.9



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: 5.060 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

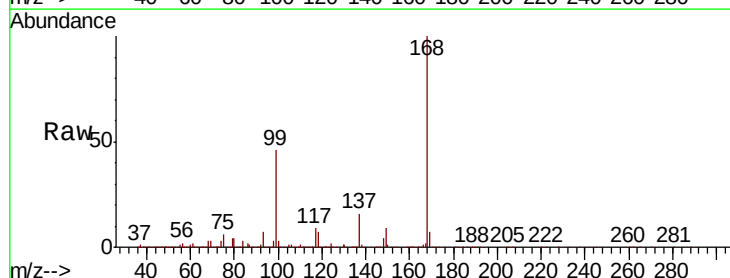
Tgt Ion: 75 Resp: 24654

Ion Ratio Lower Upper

75 100

110 11.5 19.0 57.0#

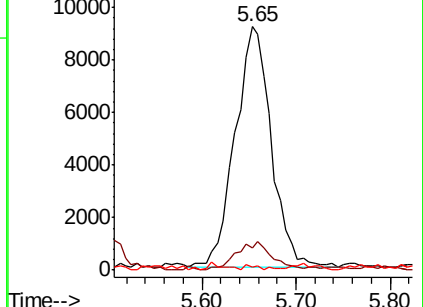
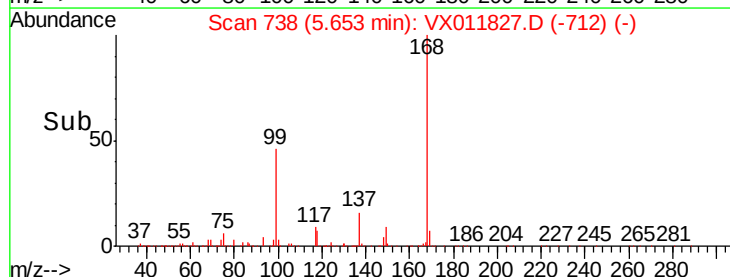
77 0.7 24.6 36.8#

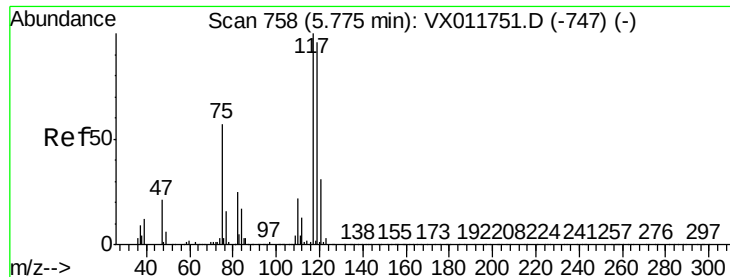


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.886 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampled :

T1-2-F4-(0)

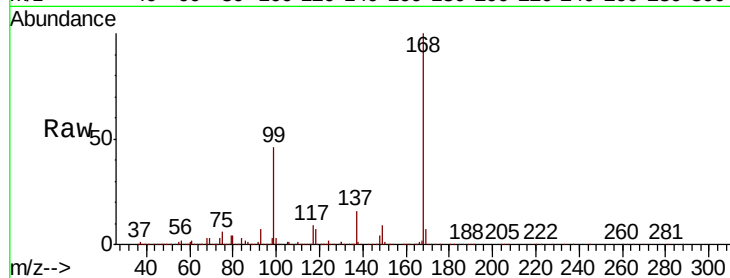
Tgt Ion:117 Resp: 38023

Ion Ratio Lower Upper

117 100

119 3.5 76.6 114.8#

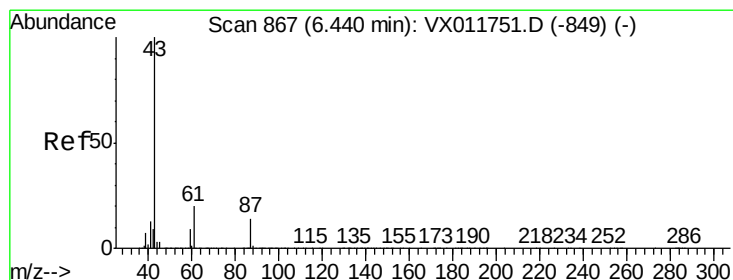
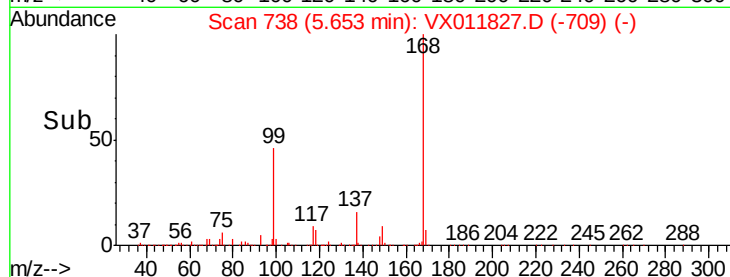
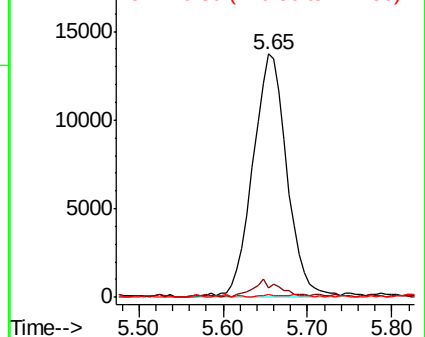
121 0.6 25.2 37.8#



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: 8.017 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

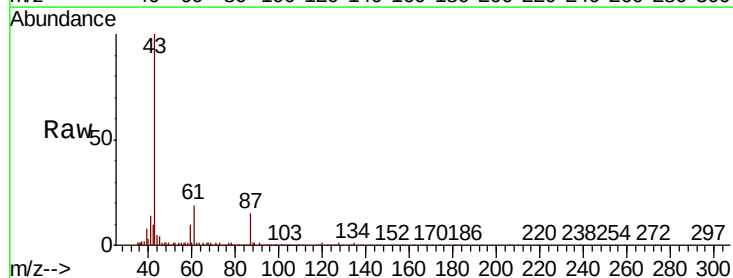
Tgt Ion: 43 Resp: 66912

Ion Ratio Lower Upper

43 100

61 21.7 16.2 24.2

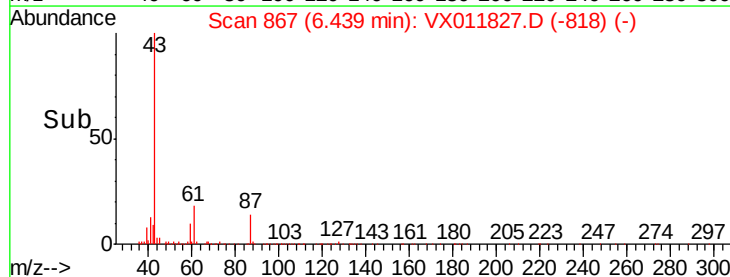
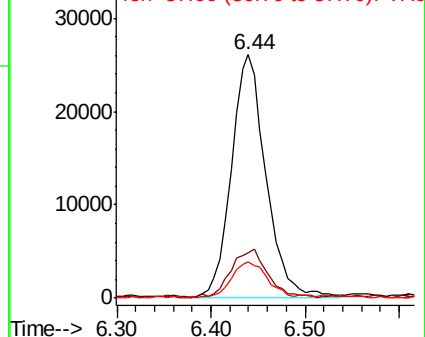
87 14.7 11.6 17.4

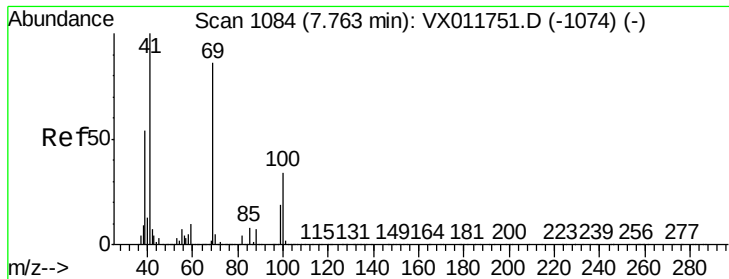


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

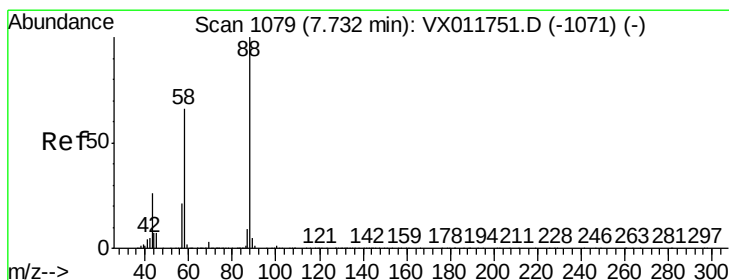
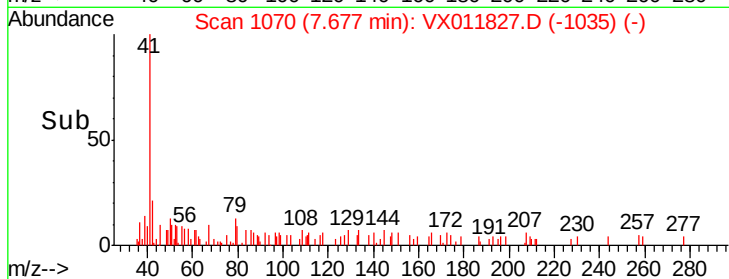
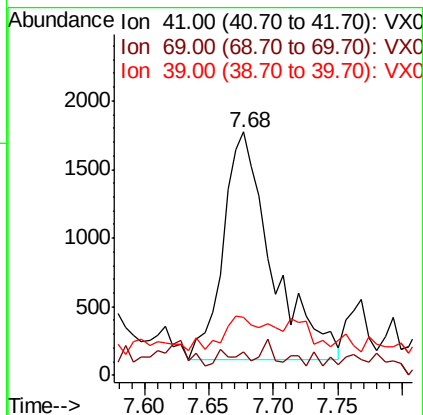
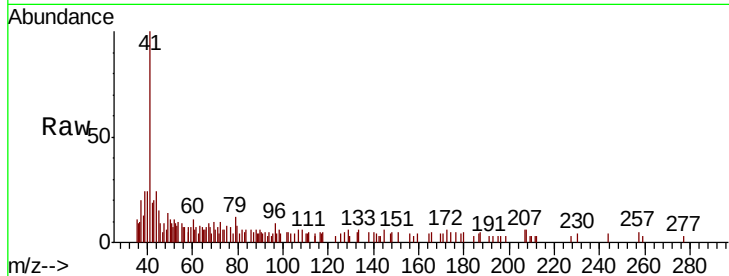




#48
Methyl methacrylate
Concen: 1.056 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011827.D
Acq: 24 Aug 2019 18:36

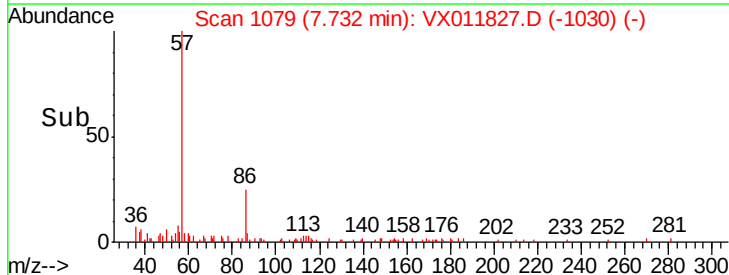
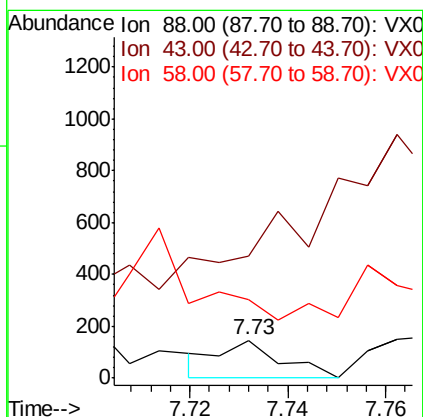
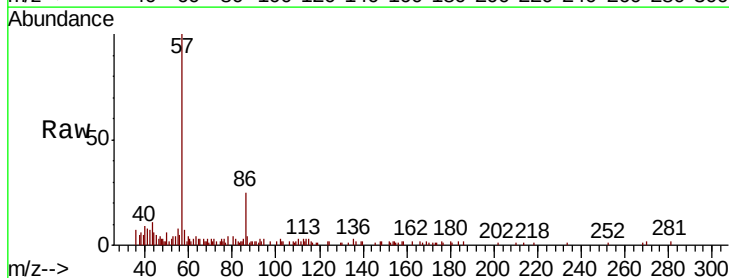
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F4-(0)

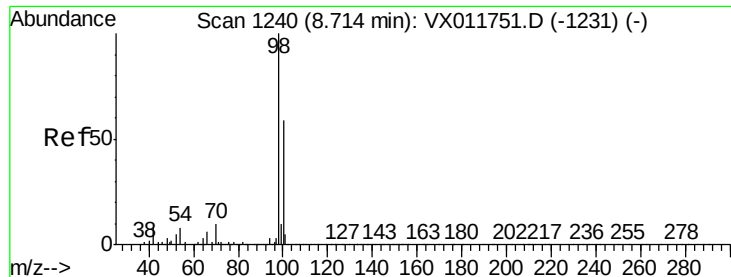
Tgt Ion: 41 Resp: 4388
Ion Ratio Lower Upper
41 100
69 2.2 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 1.104 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VX011827.D
Acq: 24 Aug 2019 18:36

Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 0.0 51.4 77.2#

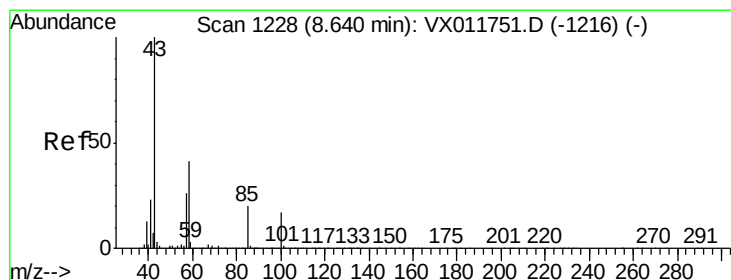
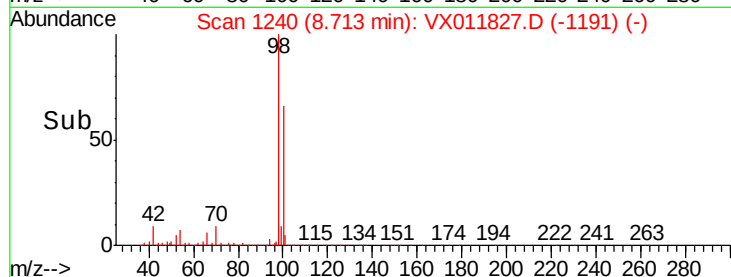
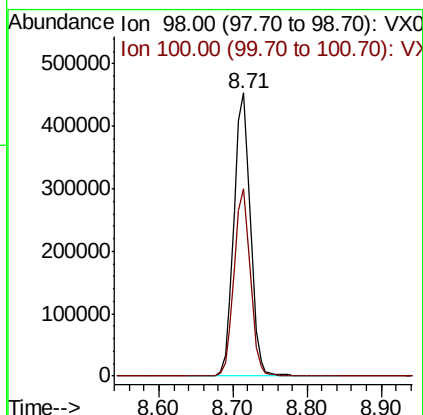
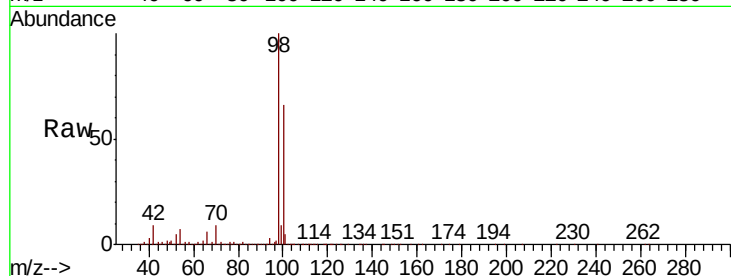




#50
Toluene-d8
Concen: 50.845 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011827.D
Acq: 24 Aug 2019 18:36

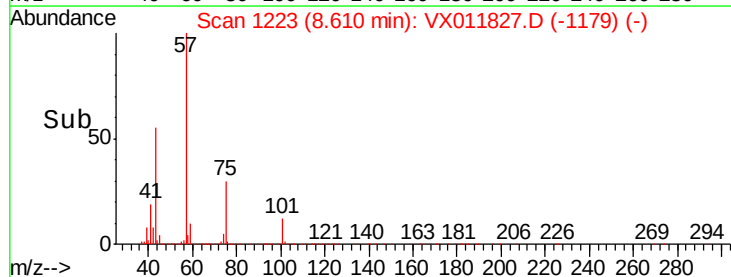
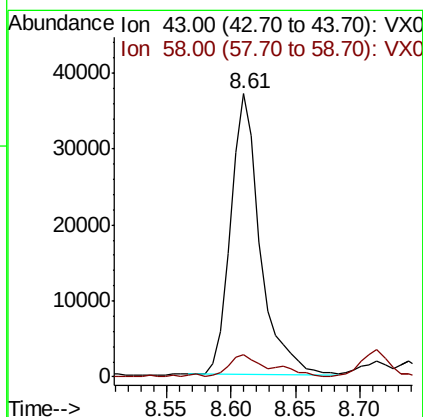
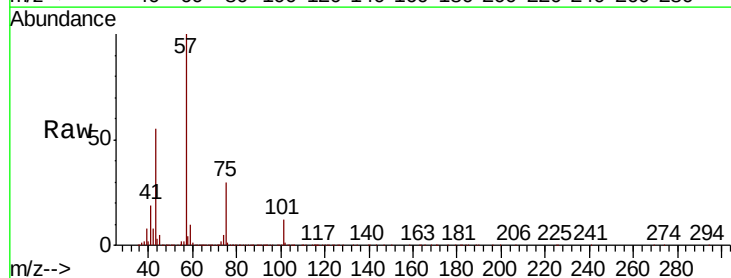
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F4-(0)

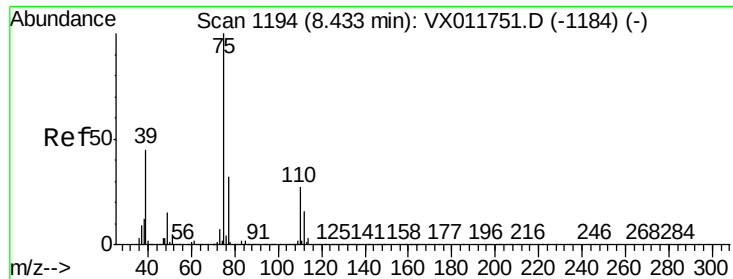
Tgt Ion: 98 Resp: 712575
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 10.773 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011827.D
Acq: 24 Aug 2019 18:36

Tgt Ion: 43 Resp: 59241
Ion Ratio Lower Upper
43 100
58 10.8 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 5.224 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F4-(0)

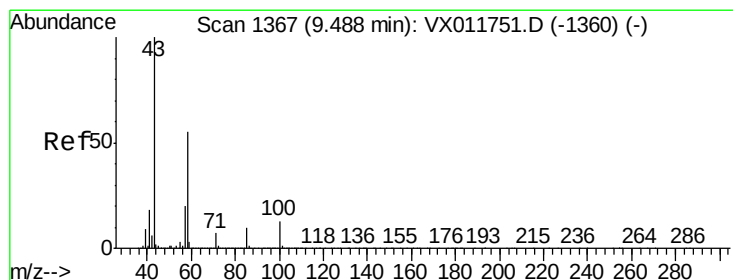
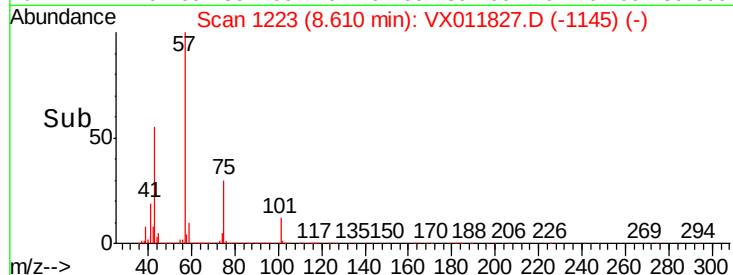
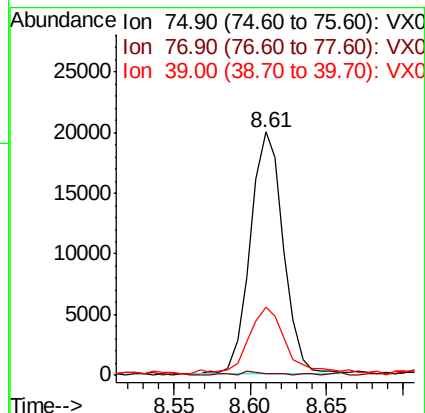
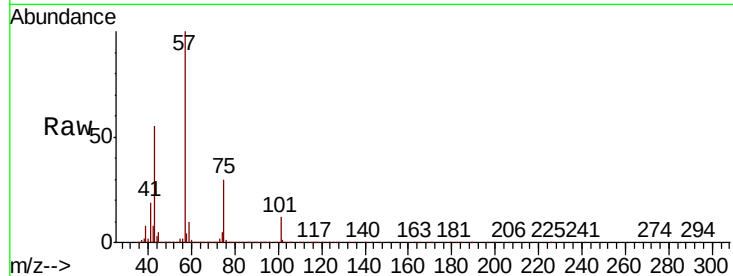
Tgt Ion: 75 Resp: 30084

Ion Ratio Lower Upper

75 100

77 0.4 25.4 38.2#

39 27.5 36.2 54.4#



#59

2-Hexanone

Concen: 14.967 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011827.D

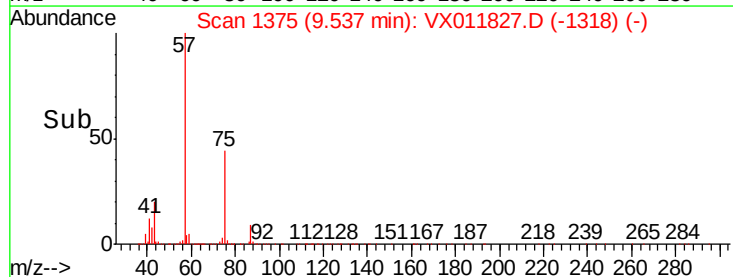
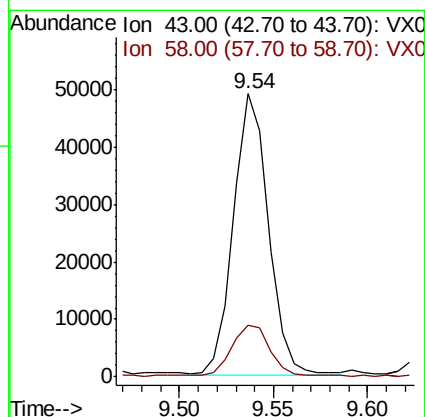
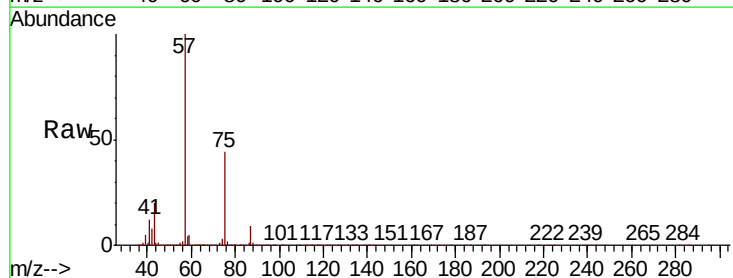
Acq: 24 Aug 2019 18:36

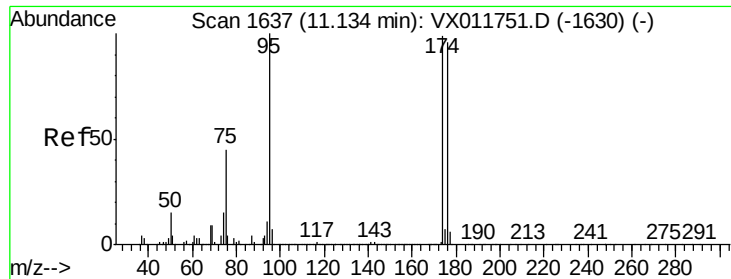
Tgt Ion: 43 Resp: 63174

Ion Ratio Lower Upper

43 100

58 20.2 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 46.748 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F4-(0)

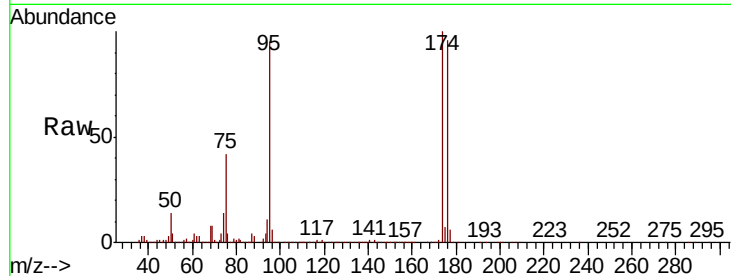
Tgt Ion: 95 Resp: 258957

Ion Ratio Lower Upper

95 100

174 106.6 0.0 197.4

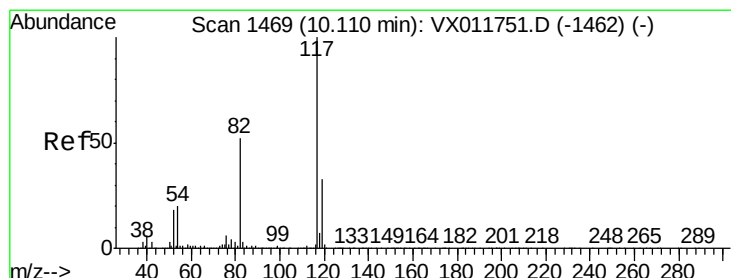
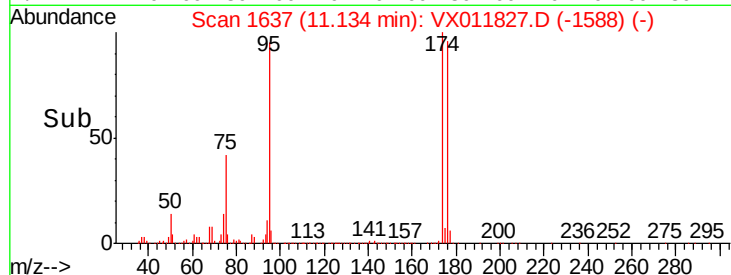
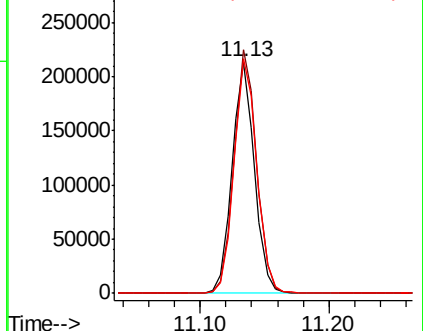
176 103.5 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

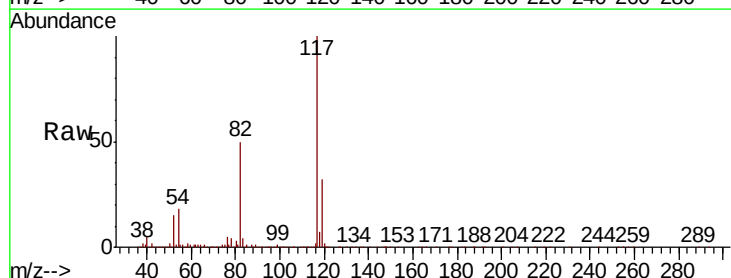
Tgt Ion: 117 Resp: 582368

Ion Ratio Lower Upper

117 100

82 49.8 41.7 62.5

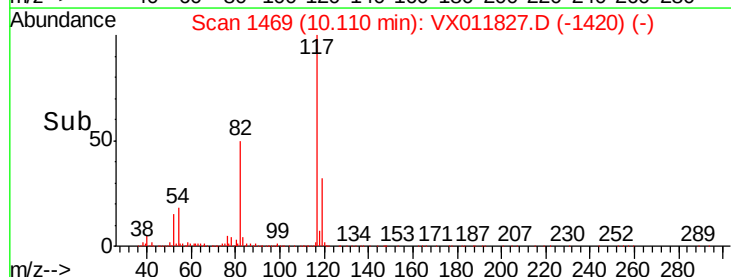
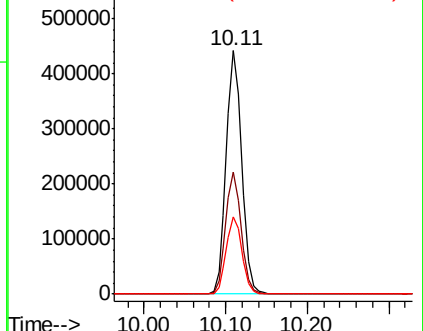
119 31.9 26.2 39.2

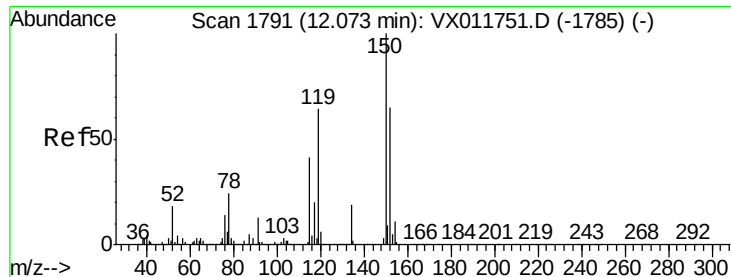


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F4-(0)

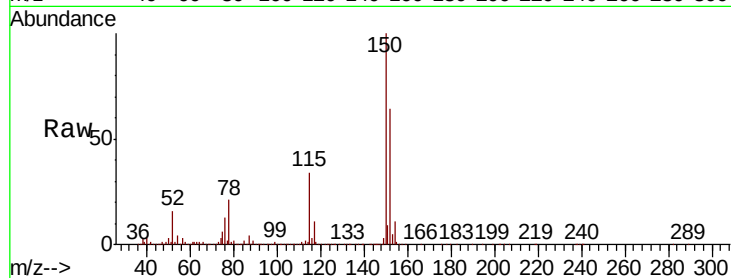
Tgt Ion: 152 Resp: 320814

Ion Ratio Lower Upper

152 100

115 51.5 37.3 111.8

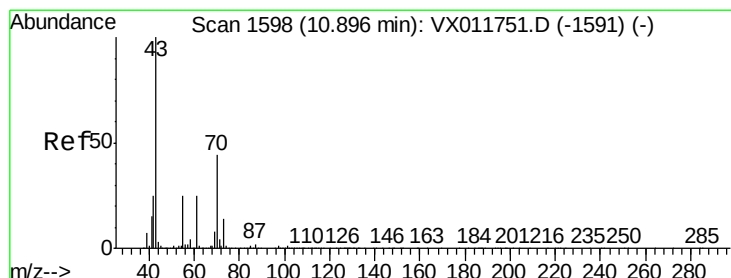
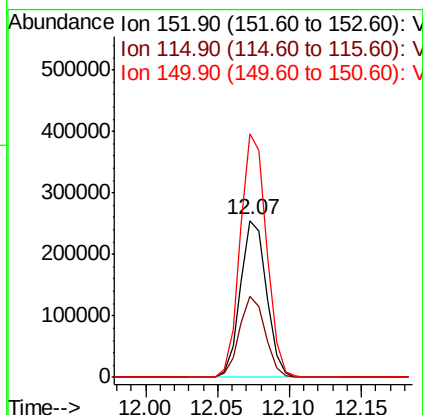
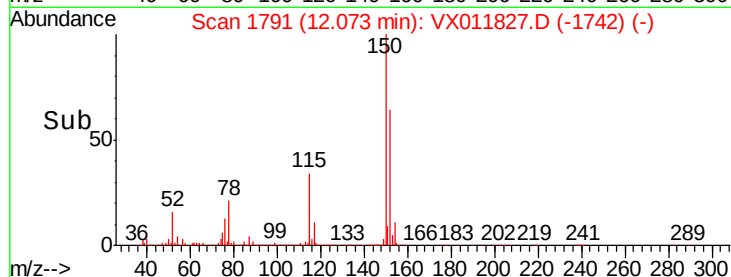
150 156.4 0.0 343.0



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-ethyl acetate

Concen: 0.277 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

Tgt Ion: 43 Resp: 2071

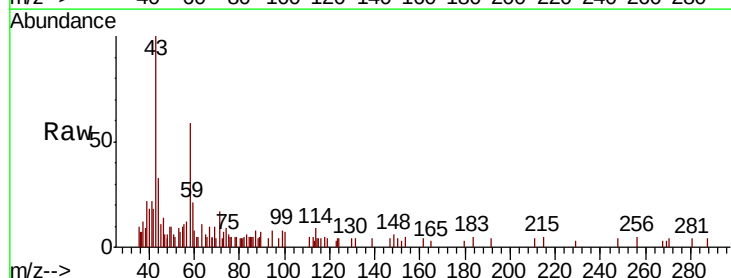
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 6.7 19.5 29.3#

61 0.0 19.8 29.6#

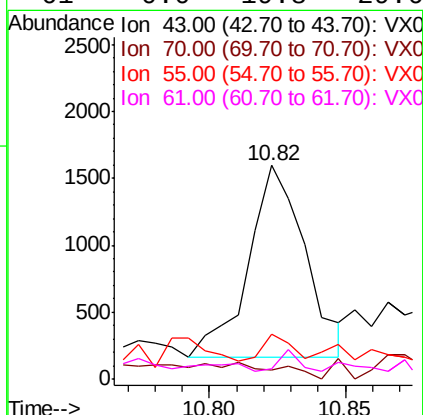
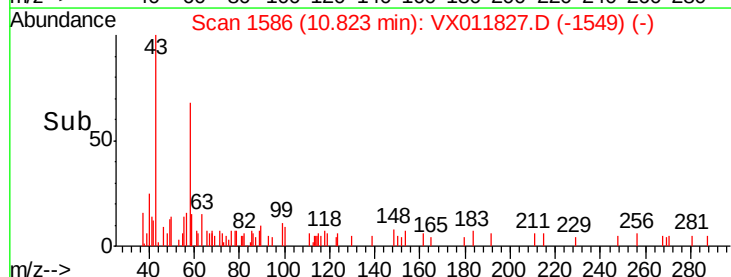


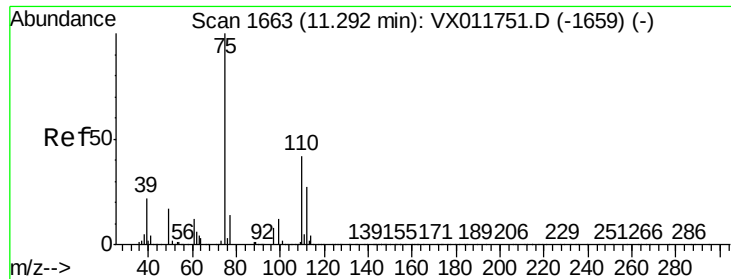
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.601 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

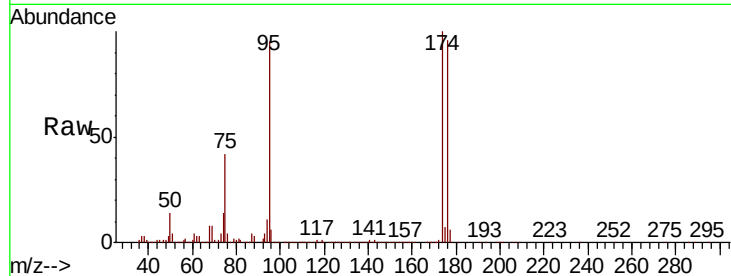
T1-2-F4-(0)

Tgt Ion: 75 Resp: 115971

Ion Ratio Lower Upper

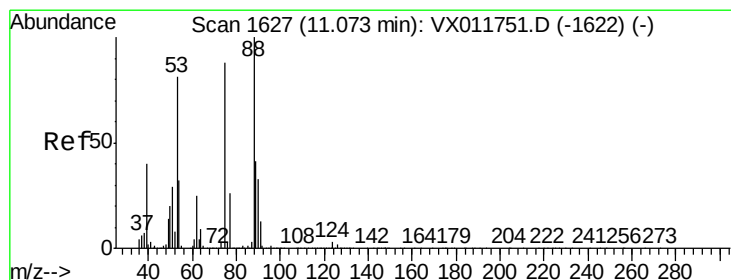
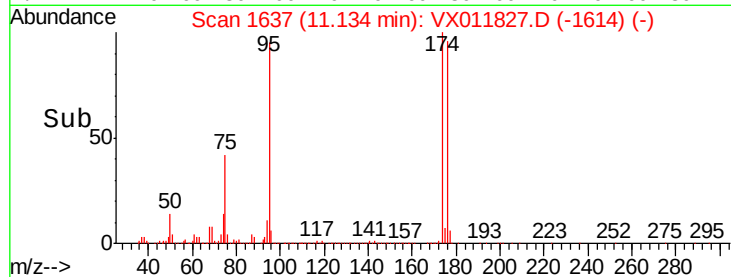
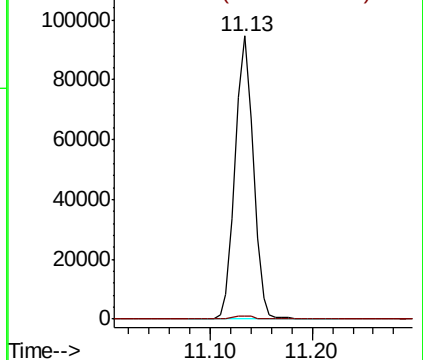
75 100

77 1.5 21.1 63.3#



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: 62.130 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011827.D

Acq: 24 Aug 2019 18:36

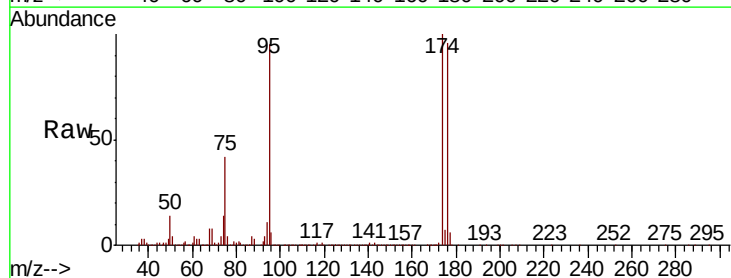
Tgt Ion: 75 Resp: 115971

Ion Ratio Lower Upper

75 100

53 0.2 77.1 115.7#

89 0.1 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

