

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX082219\
 Data File : VX011763.D
 Acq On : 22 Aug 2019 15:45
 Operator : JC/SP
 Sample : K4388-31
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 23 02:02:07 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	444963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	630679	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	561845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	282037	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	219333	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	5.49	113	188930	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
50) Toluene-d8	8.71	98	725179	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.13	95	248348	44.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.34%	

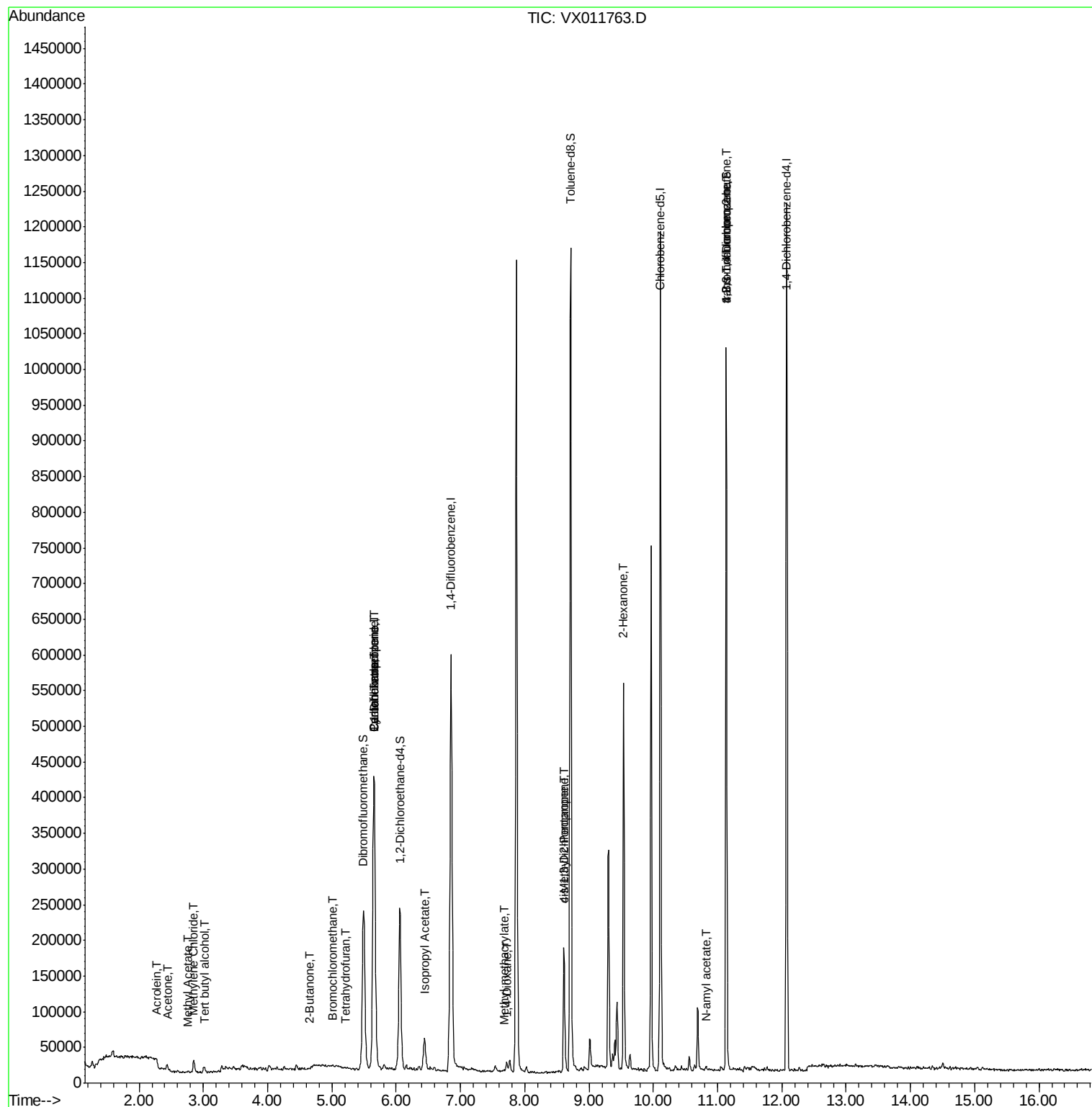
Target Compounds						Qvalue
11) Tert butyl alcohol	3.01	59	5294	5.994	ug/l #	90
13) Acrolein	2.28	56	181	0.530	ug/l #	16
16) Acetone	2.43	43	9609	4.942	ug/l	89
18) Methyl Acetate	2.77	43	3418	0.648	ug/l #	81
20) Methylene Chloride	2.85	84	8448	2.125	ug/l	90
25) 2-Butanone	4.66	43	931	0.334	ug/l #	60
28) Bromochloromethane	5.01	49	699	0.246	ug/l #	28
29) Tetrahydrofuran	5.21	42	369	0.206	ug/l	92
31) Cyclohexane	5.65	56	6651	1.210	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	27917	5.645	ug/l #	50
38) Carbon Tetrachloride	5.65	117	38102	6.798	ug/l #	16
43) Isopropyl Acetate	6.44	43	60839	7.182	ug/l	100
48) Methyl methacrylate	7.68	41	3537	0.839	ug/l #	15
49) 1,4-Dioxane	7.72	88	91	0.779	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	60004	10.750	ug/l #	47
54) cis-1,3-Dichloropropene	8.61	75	29585	5.062	ug/l #	61
59) 2-Hexanone	9.54	43	64911	15.152	ug/l #	51
74) N-amyl acetate	10.82	43	2742	0.417	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	116447	23.530	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	116447	70.962	ug/l #	11

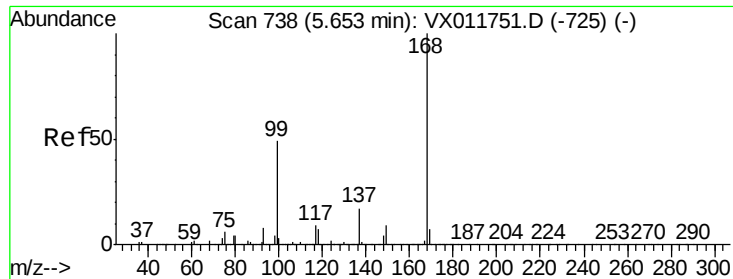
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
Data File : VX011763.D
Acq On : 22 Aug 2019 15:45
Operator : JC/SP
Sample : K4388-31
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 23 02:02:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
Quant Title : SW846 8260
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: VX011763.D

Acq: 22 Aug 2019 15:45

Instrument :

MSVOA_X

ClientSampleId :

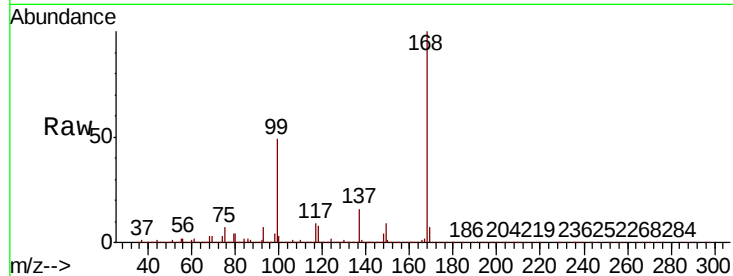
T4-D-(0)

Tgt Ion:168 Resp: 444963

Ion Ratio Lower Upper

168 100

99 49.4 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

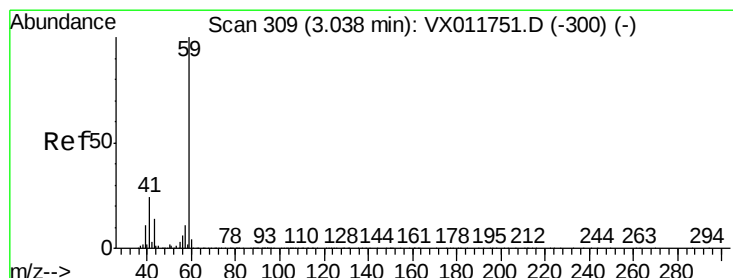
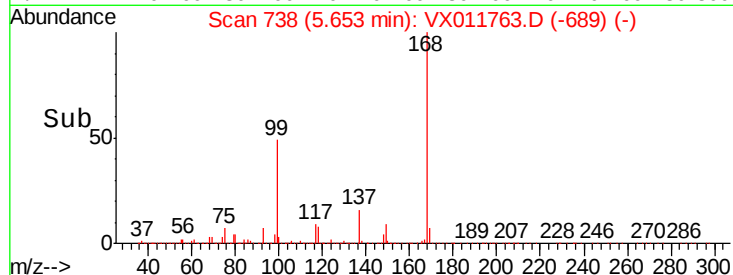
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 5.994 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011763.D

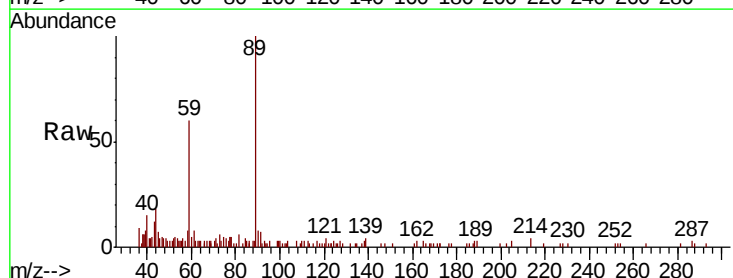
Acq: 22 Aug 2019 15:45

Tgt Ion: 59 Resp: 5294

Ion Ratio Lower Upper

59 100

57 6.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

2000

1500

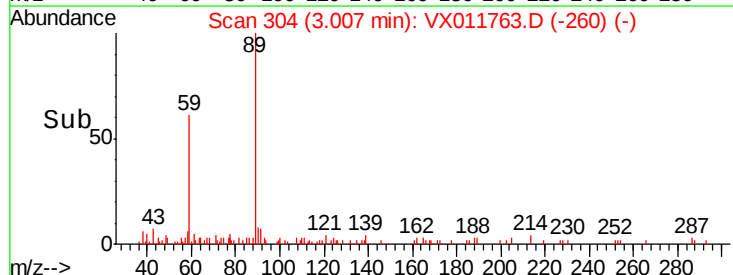
1000

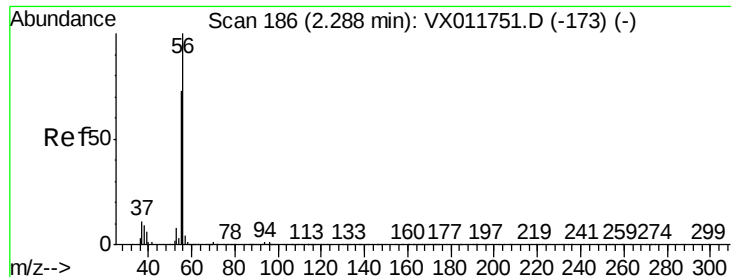
500

0

Time-->

2.90 2.95 3.00 3.05 3.10





#13

Acrolein

Concen: 0.530 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011763.D

Acq: 22 Aug 2019 15:45

Instrument :

MSVOA_X

ClientSampleId :

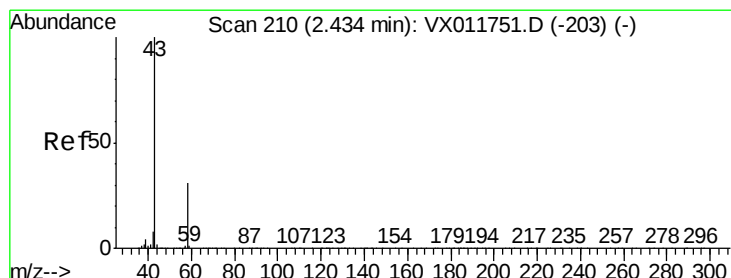
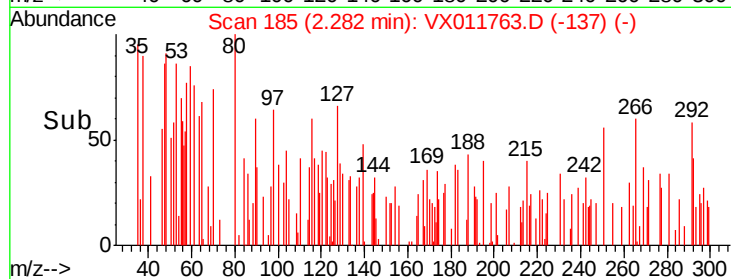
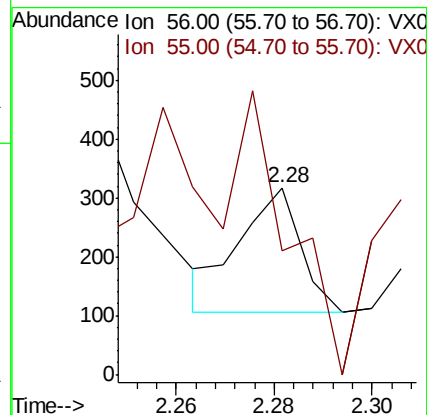
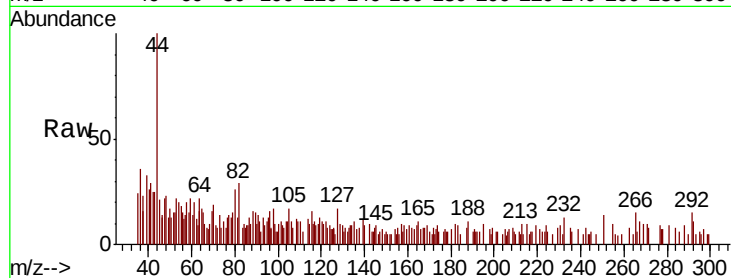
T4-D-(0)

Tgt Ion: 56 Resp: 181

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



#16

Acetone

Concen: 4.942 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011763.D

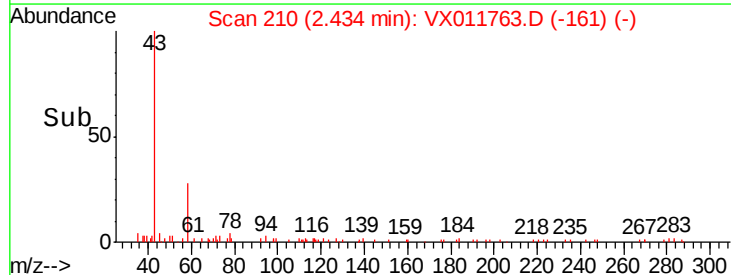
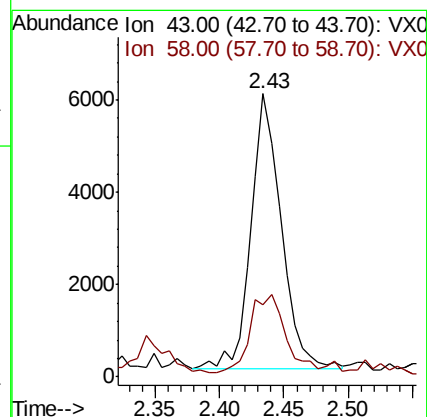
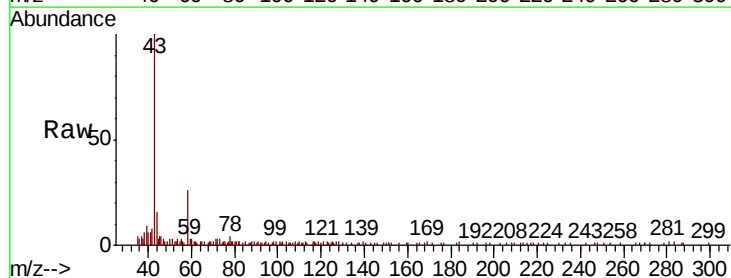
Acq: 22 Aug 2019 15:45

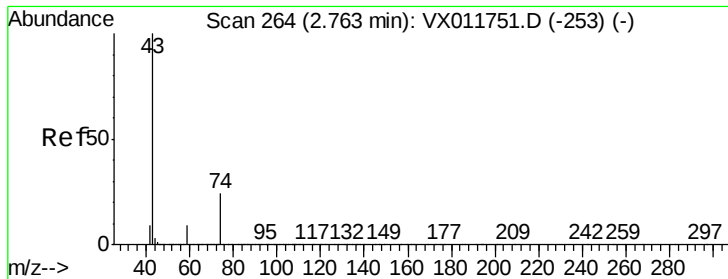
Tgt Ion: 43 Resp: 9609

Ion Ratio Lower Upper

43 100

58 24.4 24.4 36.6

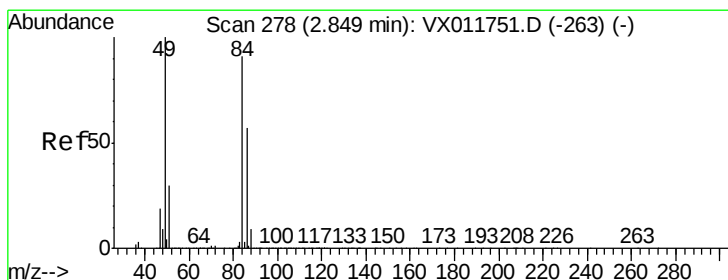
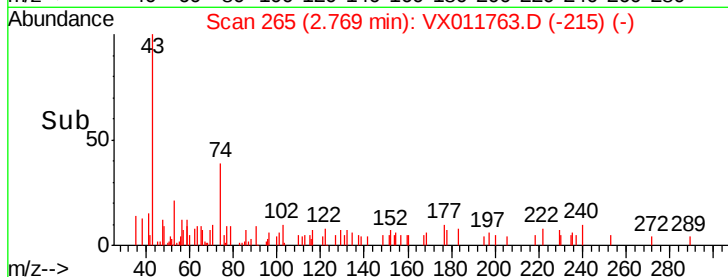
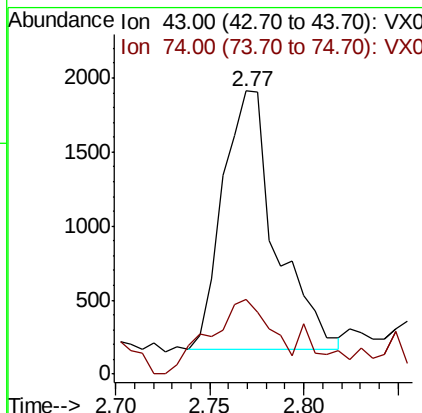
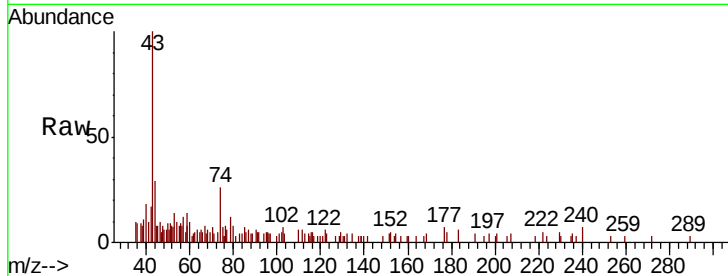




#18
Methyl Acetate
Concen: 0.648 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

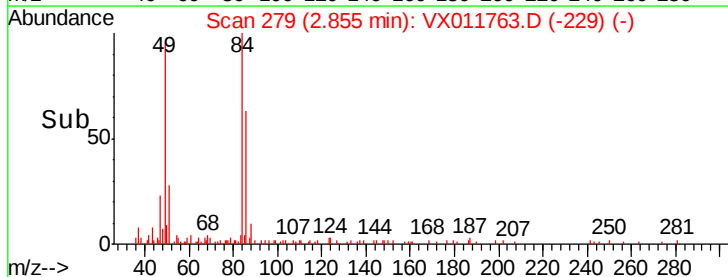
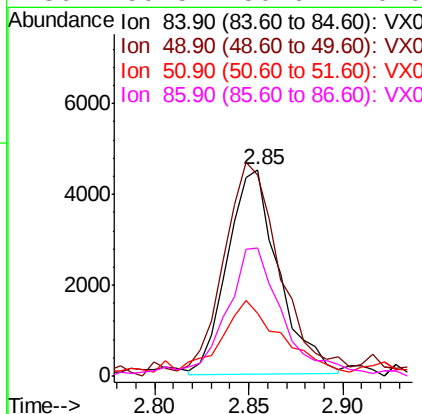
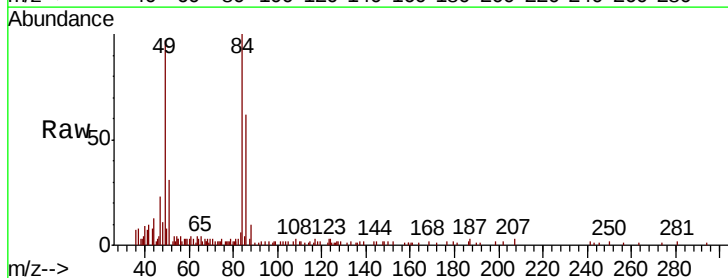
Instrument :
MSVOA_X
ClientSampleId :
T4-D-(0)

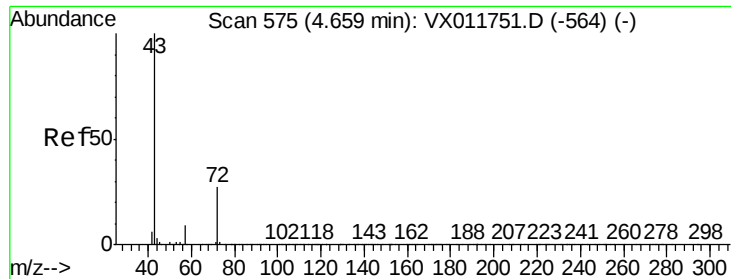
Tgt Ion: 43 Resp: 3418
Ion Ratio Lower Upper
43 100
74 33.9 19.5 29.3#



#20
Methylene Chloride
Concen: 2.125 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

Tgt Ion: 84 Resp: 8448
Ion Ratio Lower Upper
84 100
49 95.2 88.3 132.5
51 28.1 26.2 39.2
86 59.5 50.6 76.0

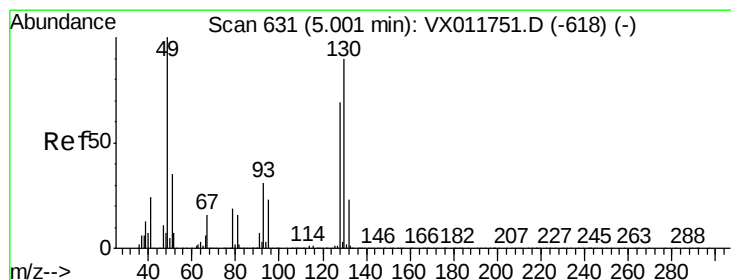
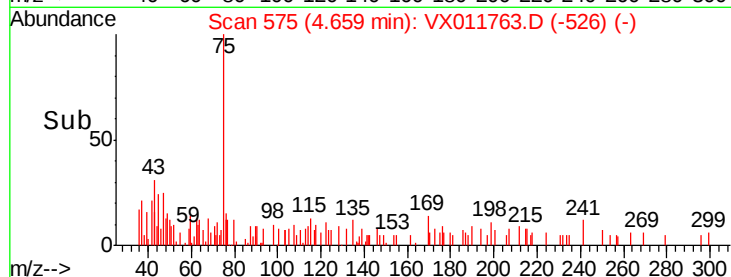
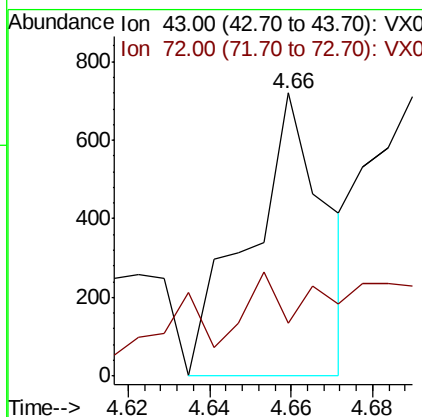
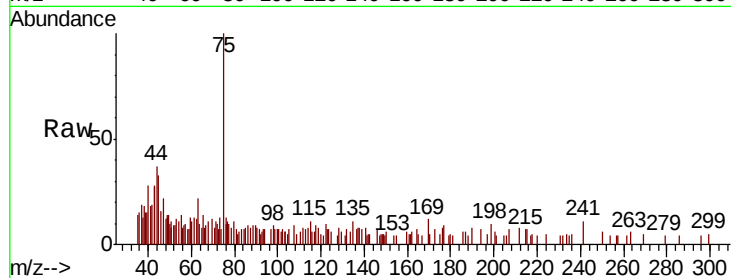




#25
2-Butanone
Concen: 0.334 ug/l
RT: 4.66 min Scan# 575
Delta R.T. -0.00 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

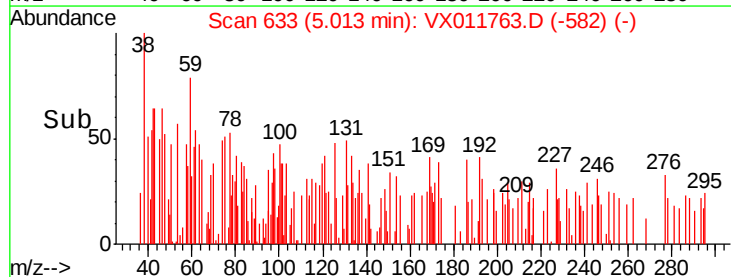
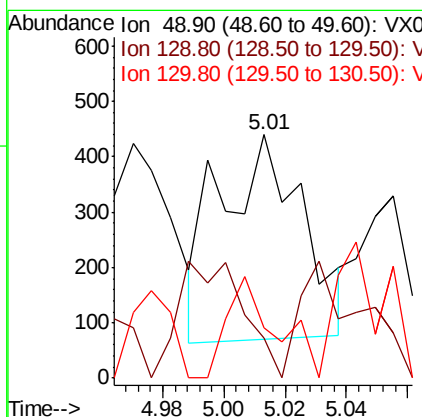
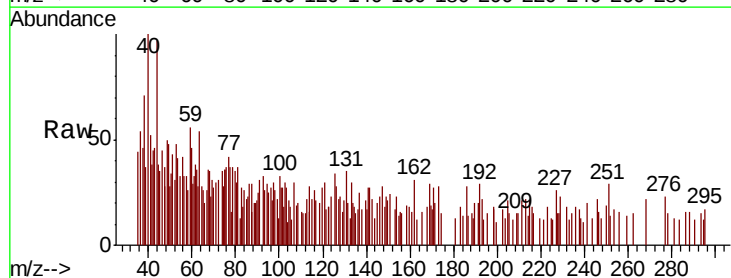
Instrument :
MSVOA_X
ClientSampleId :
T4-D-(0)

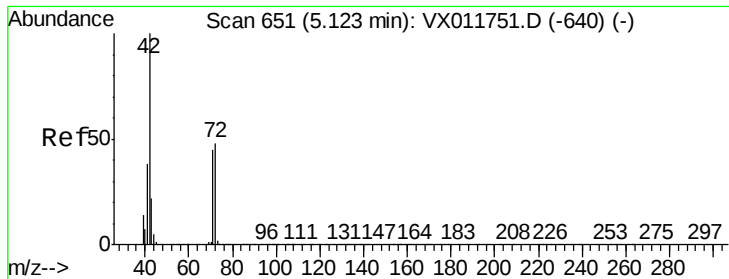
Tgt Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
72 6.5 21.8 32.6#



#28
Bromochloromethane
Concen: 0.246 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.01 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

Tgt Ion: 49 Resp: 699
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.8
130 23.5 76.8 115.2#

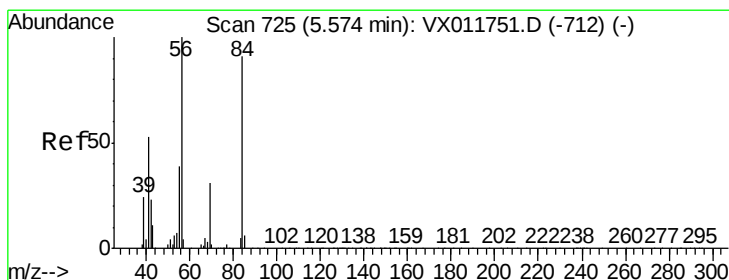
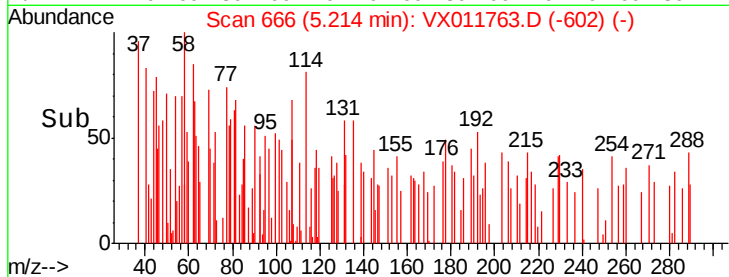
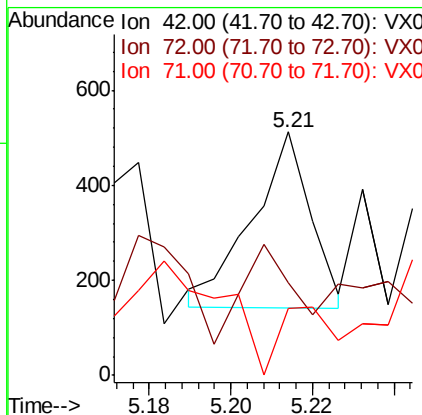
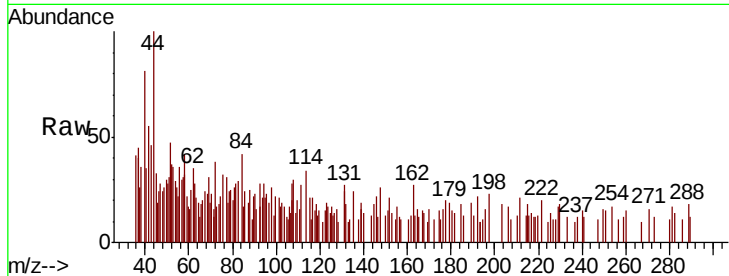




#29
Tetrahydrofuran
Concen: 0.206 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.09 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

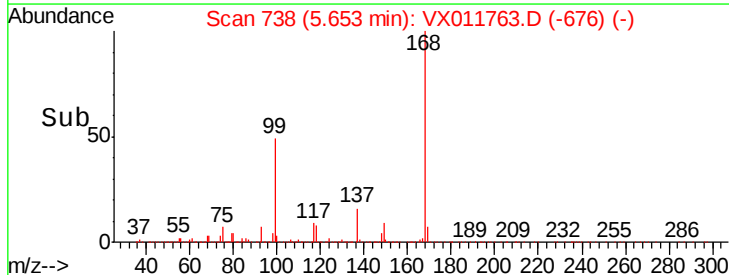
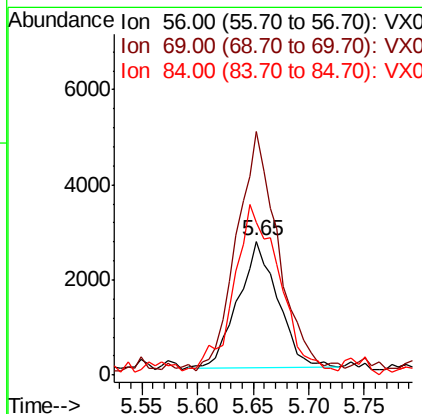
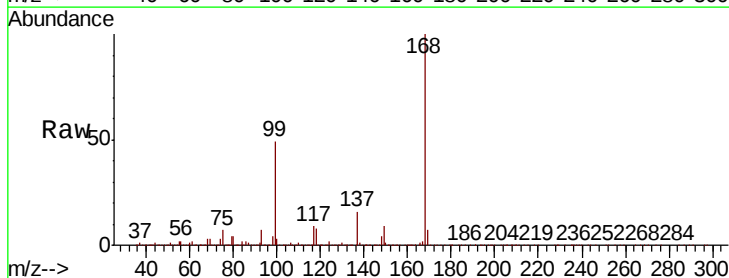
Instrument :
MSVOA_X
ClientSampled :
T4-D-(0)

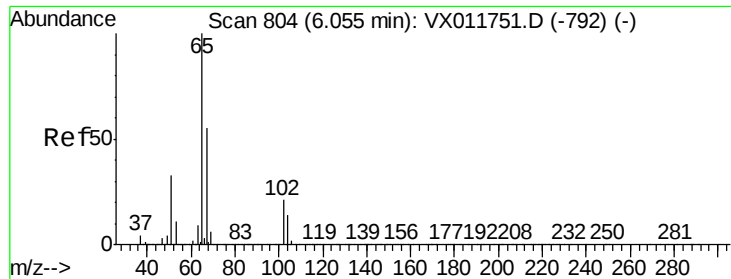
Tgt Ion: 42 Resp: 369
Ion Ratio Lower Upper
42 100
72 50.1 37.6 56.4
71 35.5 34.6 51.8



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

Tgt Ion: 56 Resp: 6651
Ion Ratio Lower Upper
56 100
69 184.0 24.5 36.7#
84 127.3 72.7 109.1#





#33

1,2-Dichloroethane-d4

Concen: 49.069 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011763.D

Acq: 22 Aug 2019 15:45

Instrument :

MSVOA_X

ClientSampleId :

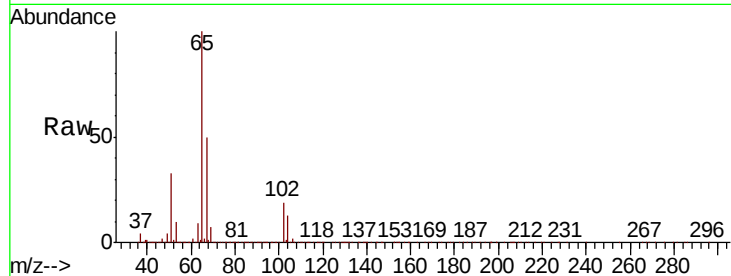
T4-D-(0)

Tgt Ion: 65 Resp: 219333

Ion Ratio Lower Upper

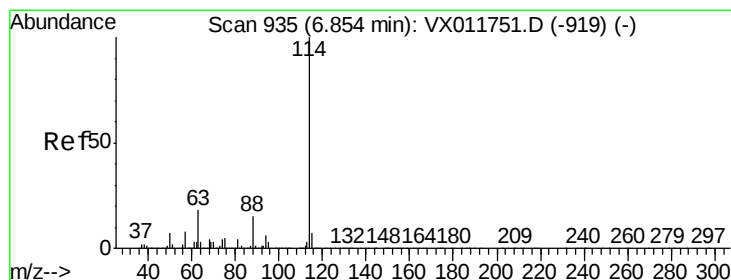
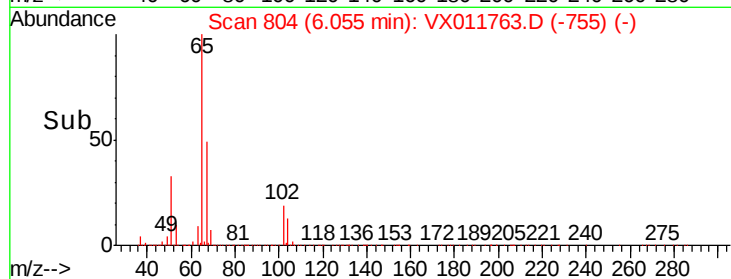
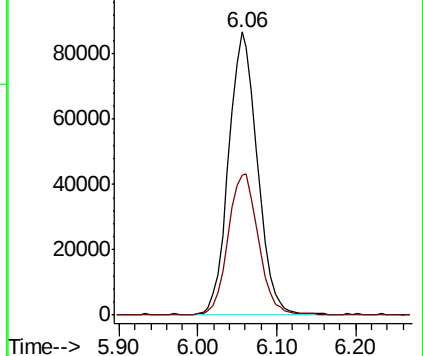
65 100

67 52.5 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: VX011763.D

Acq: 22 Aug 2019 15:45

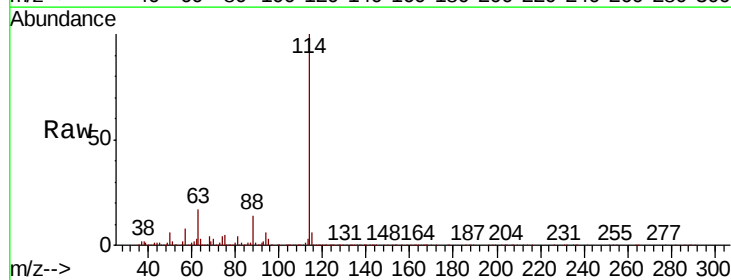
Tgt Ion: 114 Resp: 630679

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.8

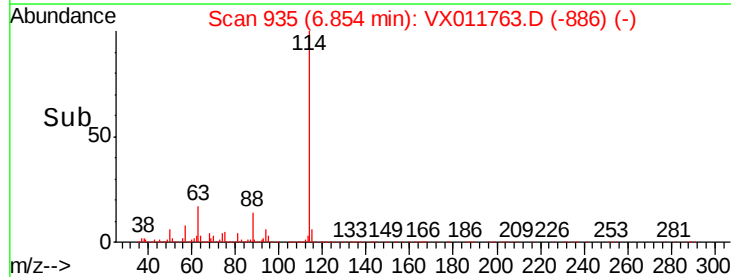
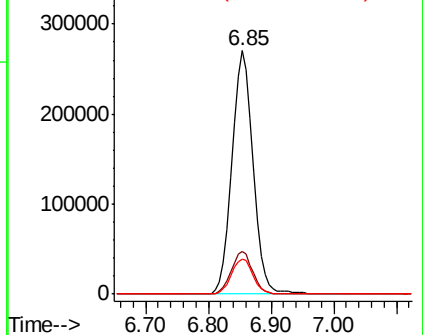
88 14.4 0.0 30.2

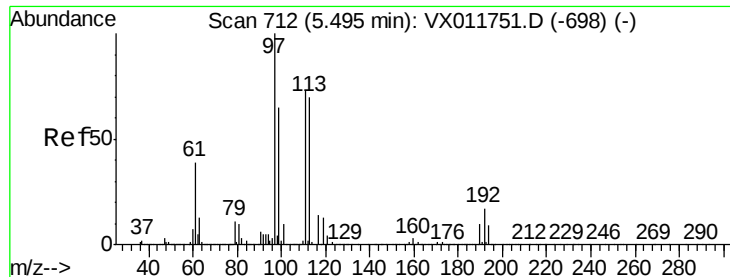


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.327 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011763.D

Acq: 22 Aug 2019 15:45

Instrument :

MSVOA_X

ClientSampleId :

T4-D-(0)

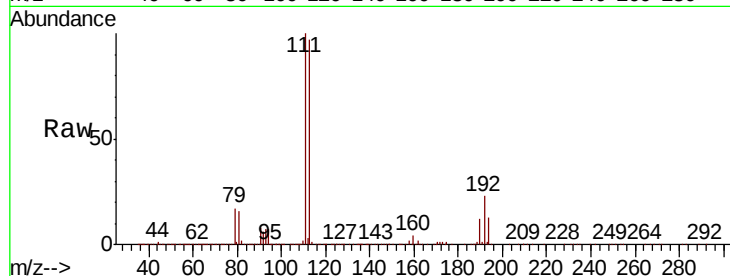
Tgt Ion:113 Resp: 188930

Ion Ratio Lower Upper

113 100

111 102.4 81.0 121.4

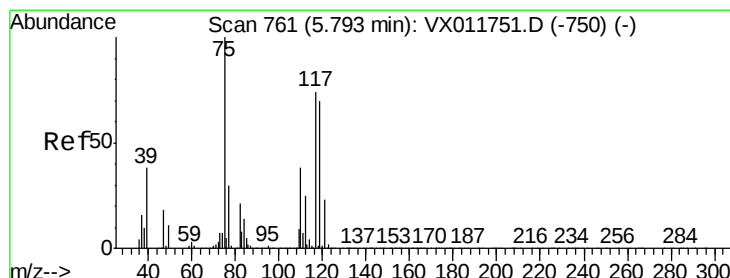
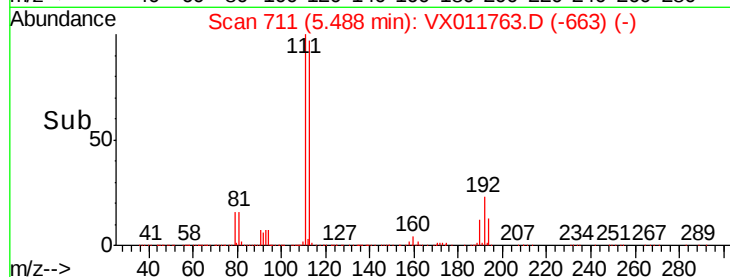
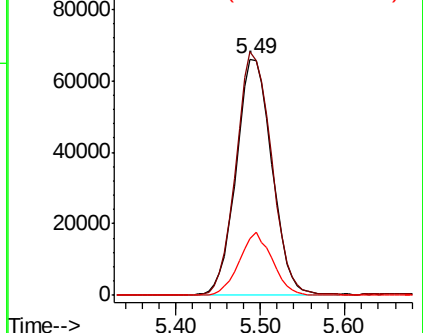
192 25.0 19.9 29.9



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: 5.645 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011763.D

Acq: 22 Aug 2019 15:45

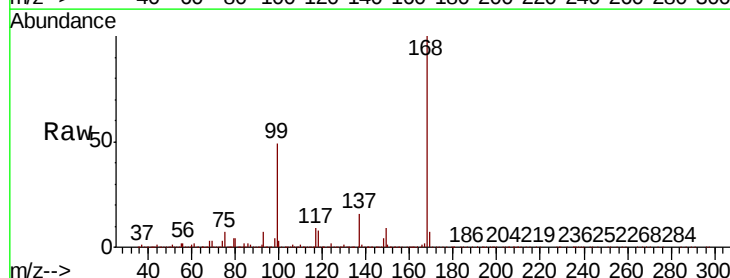
Tgt Ion: 75 Resp: 27917

Ion Ratio Lower Upper

75 100

110 9.6 19.0 57.0#

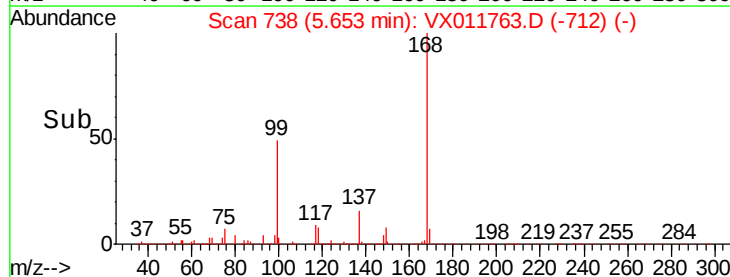
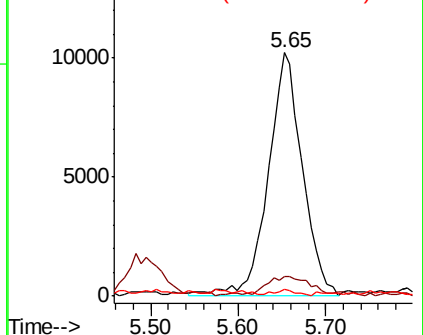
77 1.9 24.6 36.8#

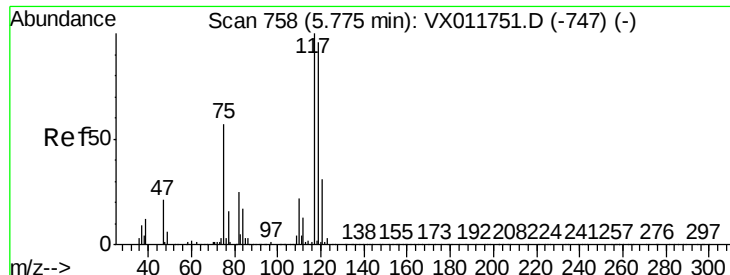


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.798 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011763.D

Acq: 22 Aug 2019 15:45

Instrument :

MSVOA_X

ClientSampleId :

T4-D-(0)

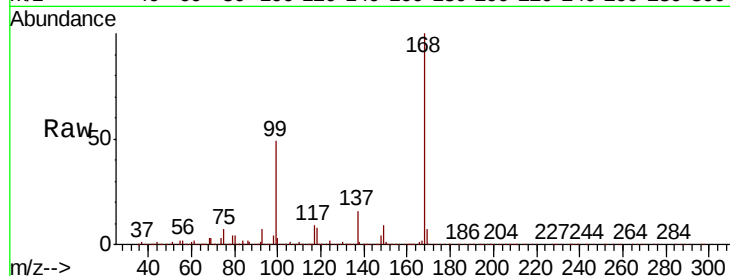
Tgt Ion:117 Resp: 38102

Ion Ratio Lower Upper

117 100

119 5.1 76.6 114.8#

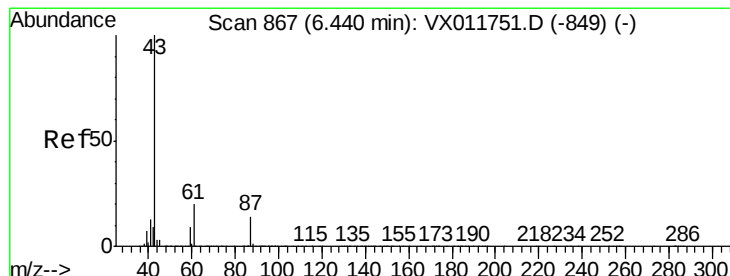
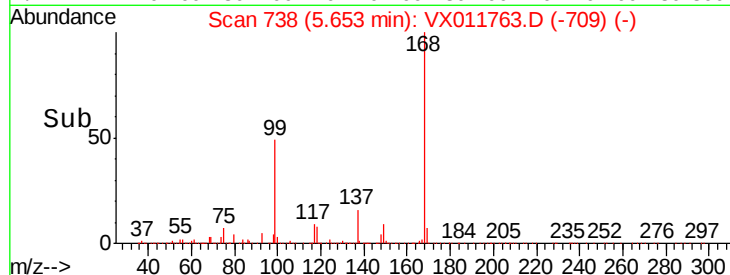
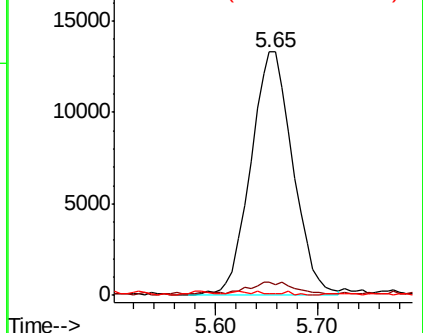
121 0.1 25.2 37.8#



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: 7.182 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011763.D

Acq: 22 Aug 2019 15:45

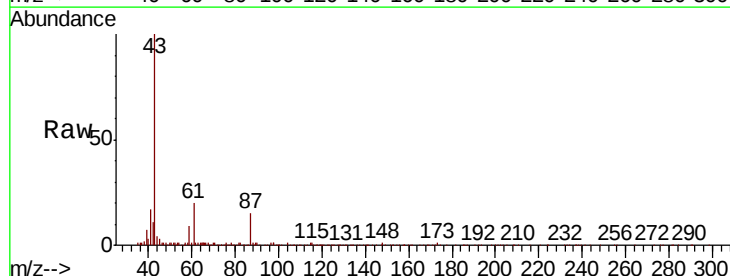
Tgt Ion: 43 Resp: 60839

Ion Ratio Lower Upper

43 100

61 20.4 16.2 24.2

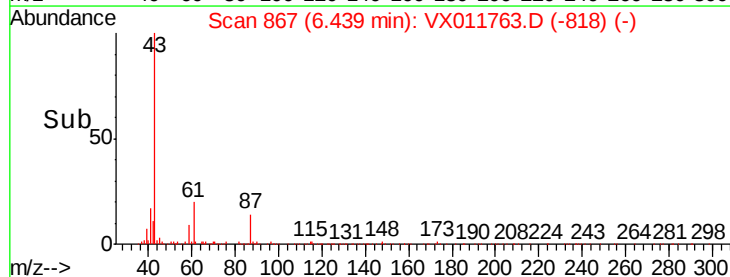
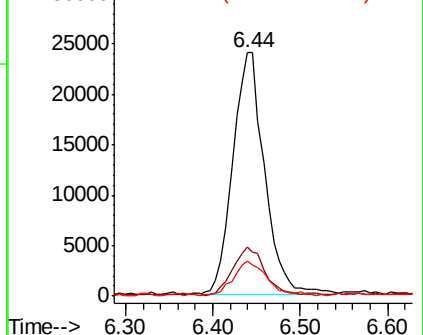
87 14.6 11.6 17.4

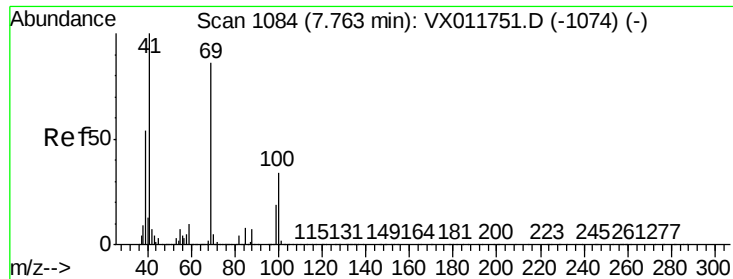


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

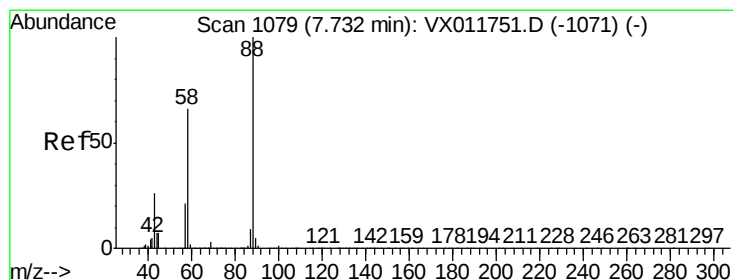
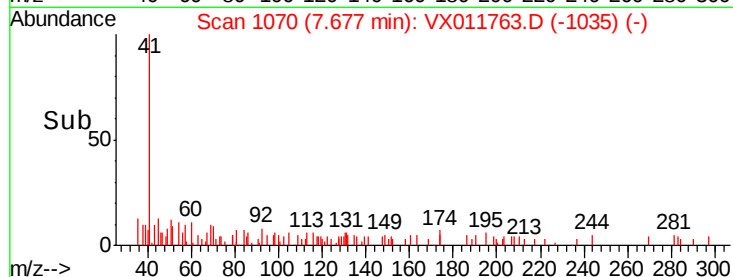
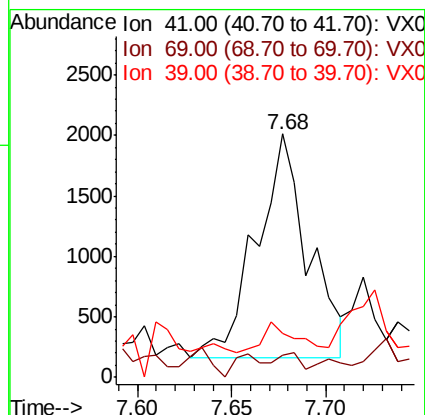
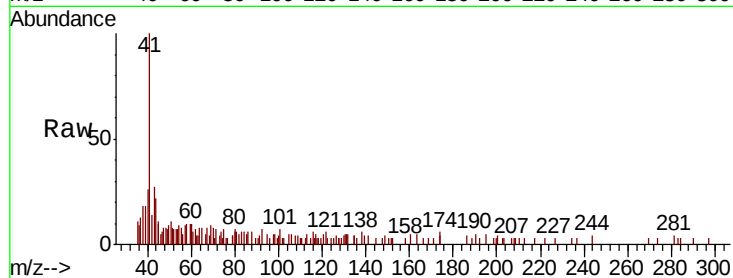




#48
Methyl methacrylate
Concen: 0.839 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

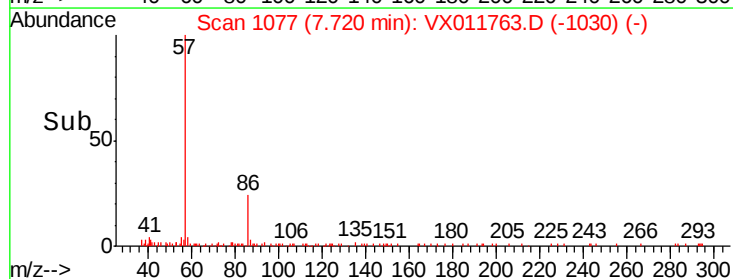
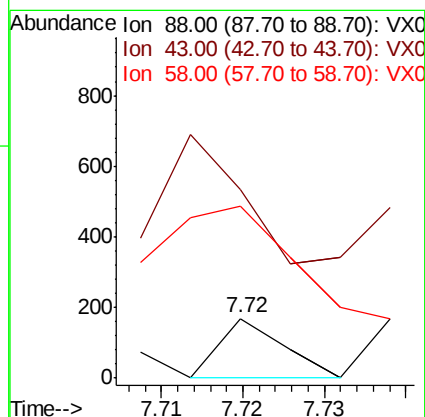
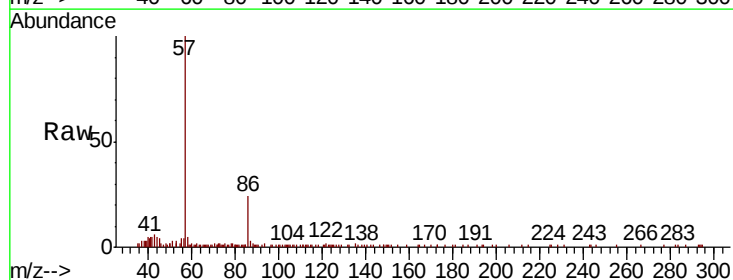
Instrument :
MSVOA_X
ClientSampled :
T4-D-(0)

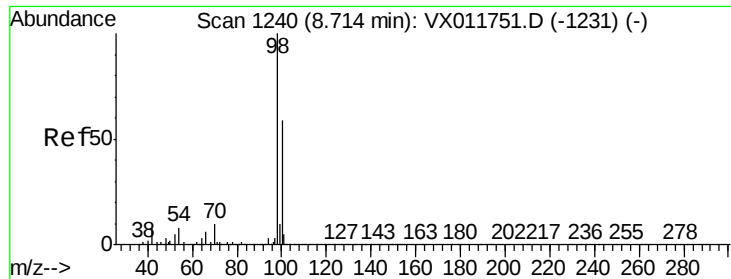
Tgt Ion: 41 Resp: 3537
Ion Ratio Lower Upper
41 100
69 2.6 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 0.779 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 617.6 51.4 77.2#

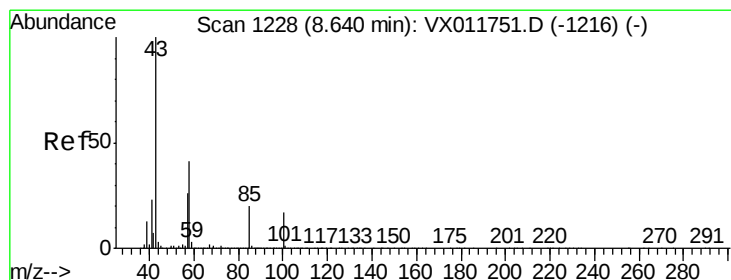
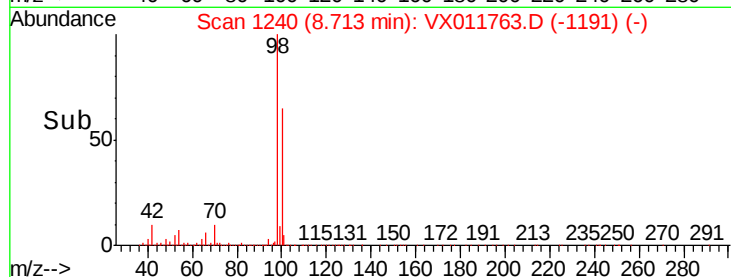
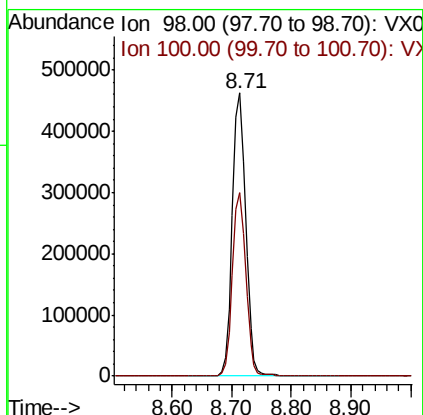
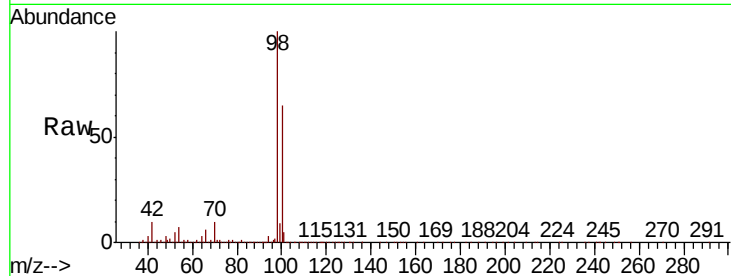




#50
Toluene-d8
Concen: 50.980 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

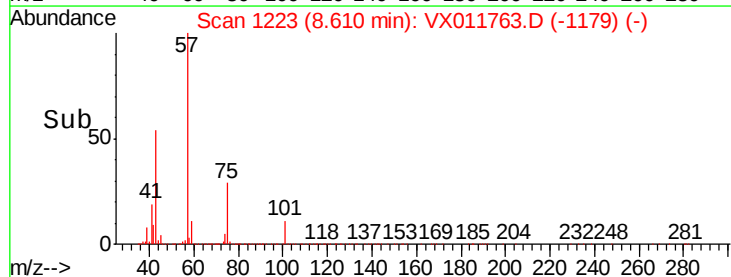
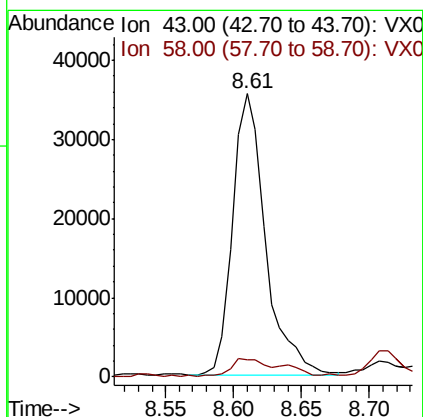
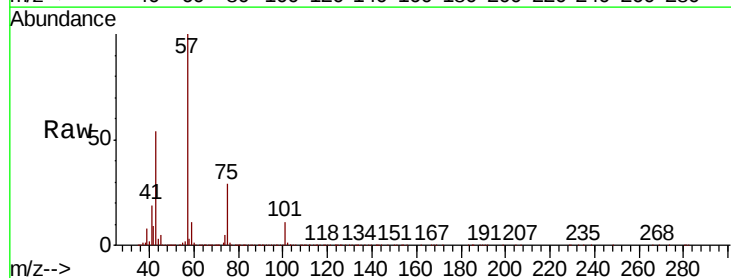
Instrument :
MSVOA_X
ClientSampleId :
T4-D-(0)

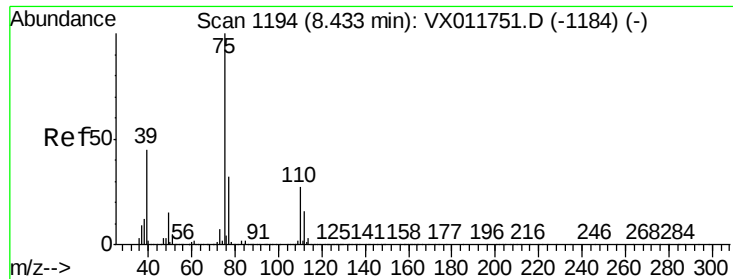
Tgt Ion: 98 Resp: 725179
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 10.750 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

Tgt Ion: 43 Resp: 60004
Ion Ratio Lower Upper
43 100
58 7.0 31.8 47.6#



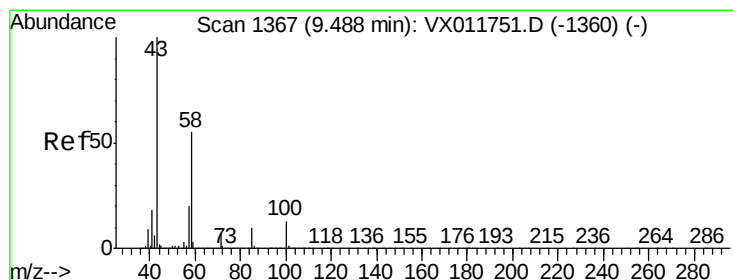
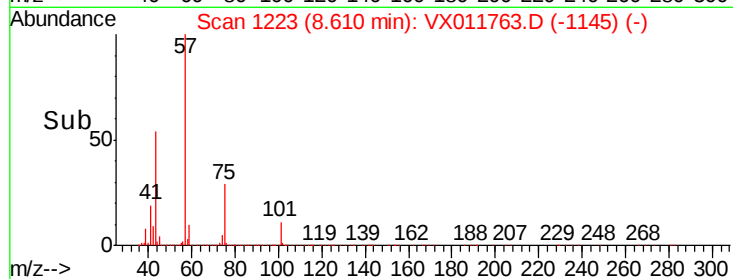
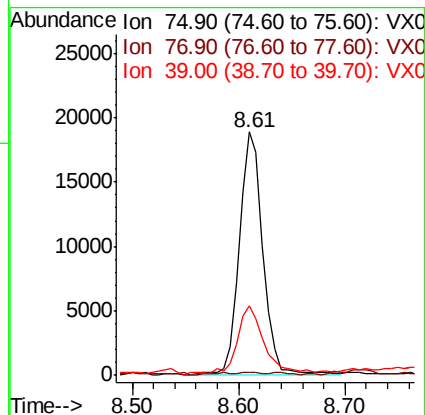
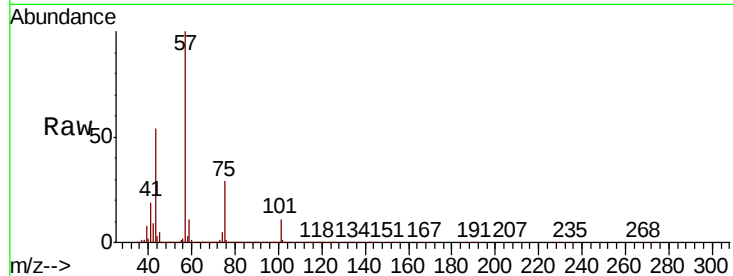


#54

cis-1,3-Dichloropropene
 Concen: 5.062 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011763.D
 Acq: 22 Aug 2019 15:45

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

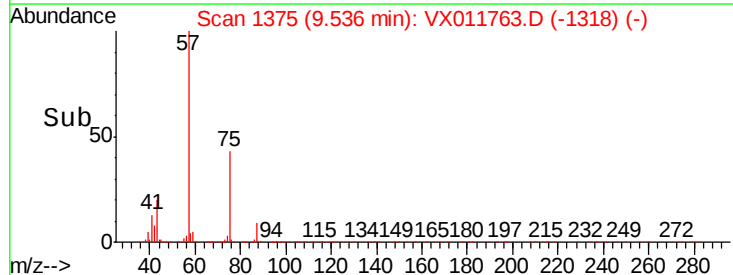
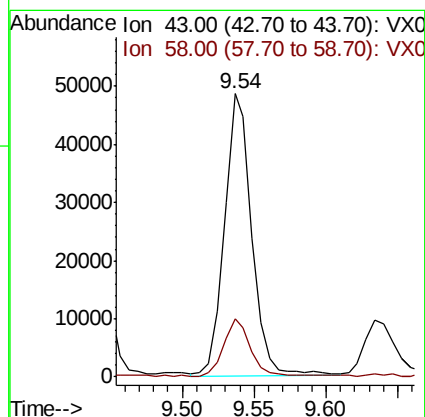
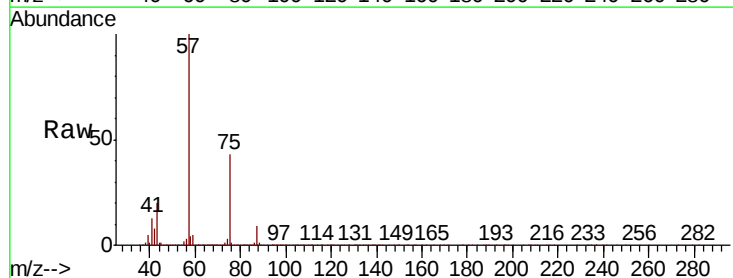
Tgt Ion: 75 Resp: 29585
 Ion Ratio Lower Upper
 75 100
 77 1.4 25.4 38.2#
 39 27.4 36.2 54.4#

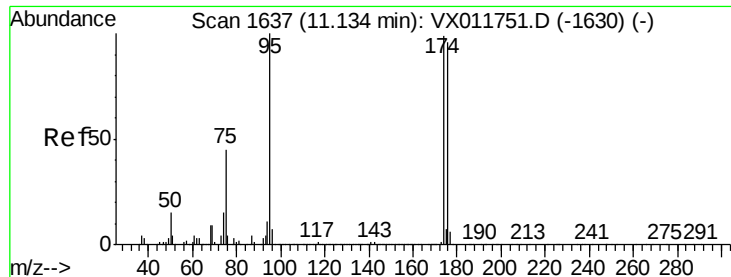


#59

2-Hexanone
 Concen: 15.152 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011763.D
 Acq: 22 Aug 2019 15:45

Tgt Ion: 43 Resp: 64911
 Ion Ratio Lower Upper
 43 100
 58 19.6 27.7 83.1#

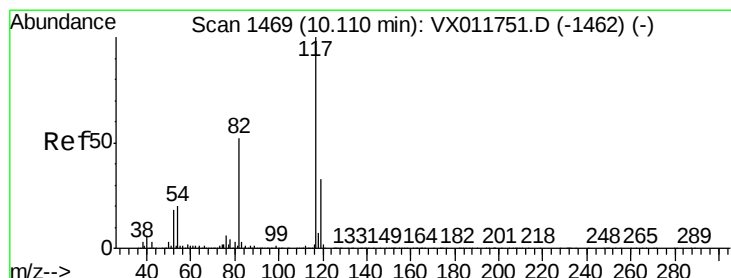
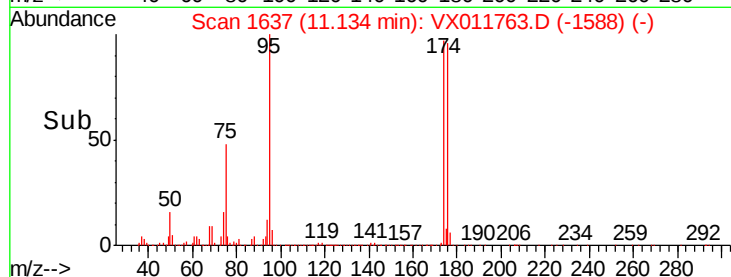
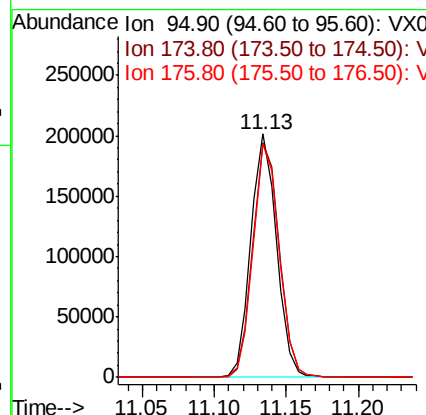
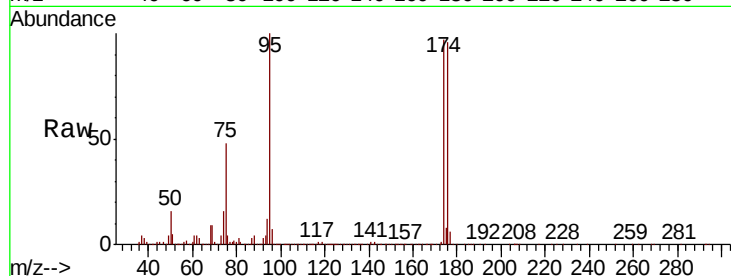




#62
4-Bromofluorobenzene
Concen: 44.170 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

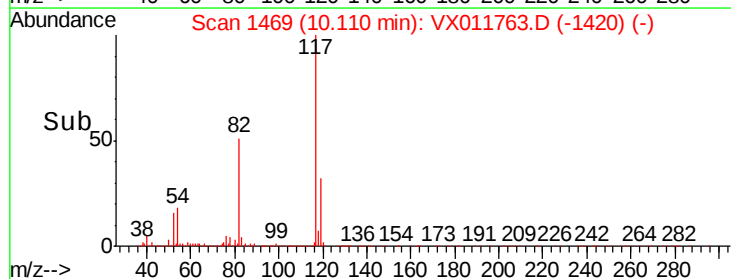
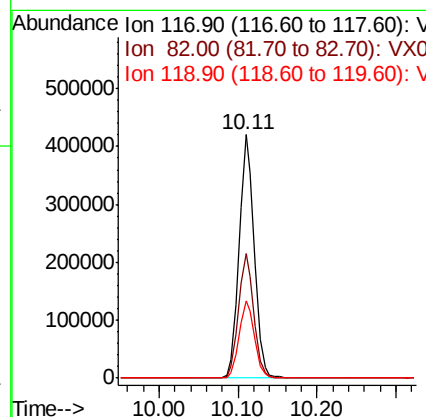
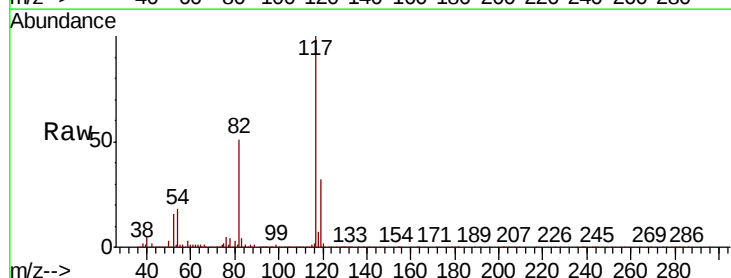
Instrument :
MSVOA_X
ClientSampled :
T4-D-(0)

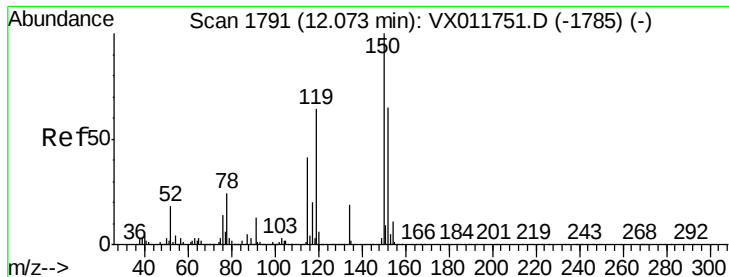
Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.2	0.0	197.4
176	96.9	0.0	194.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011763.D
Acq: 22 Aug 2019 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.7	62.5
119	31.9	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011763.D

Acq: 22 Aug 2019 15:45

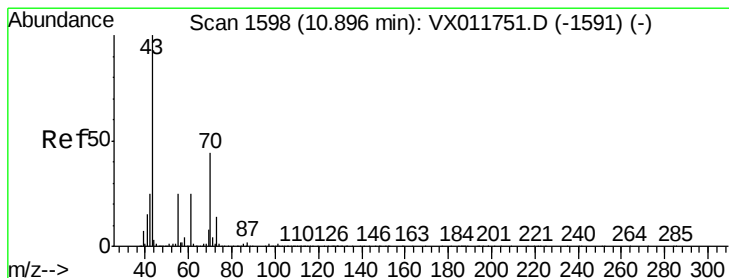
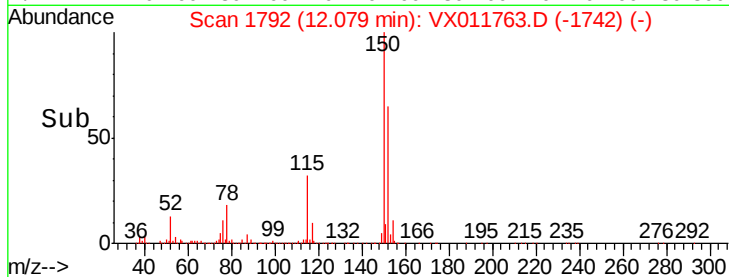
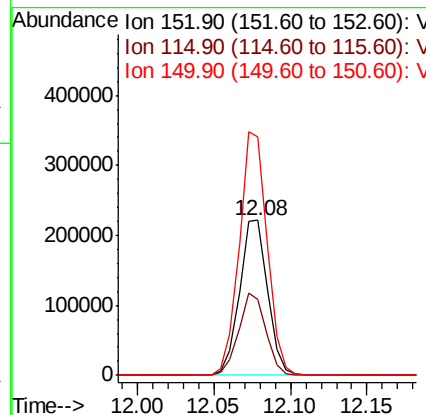
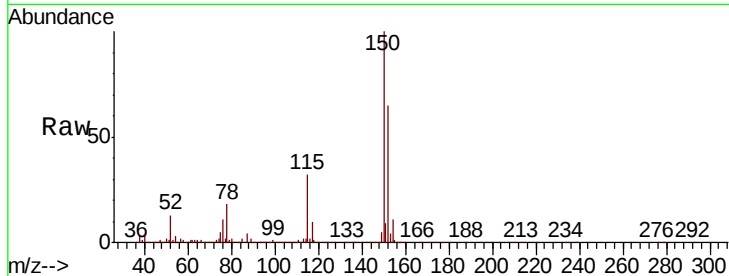
Instrument :

MSVOA_X

ClientSampleId :

T4-D-(0)

Tgt Ion:	152	Resp:	282037
Ion	Ratio	Lower	Upper
152	100		
115	51.5	37.3	111.8
150	155.6	0.0	343.0



#74

N-aryl acetate

Concen: 0.417 ug/l

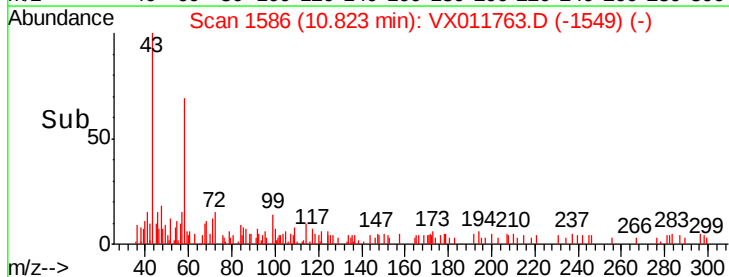
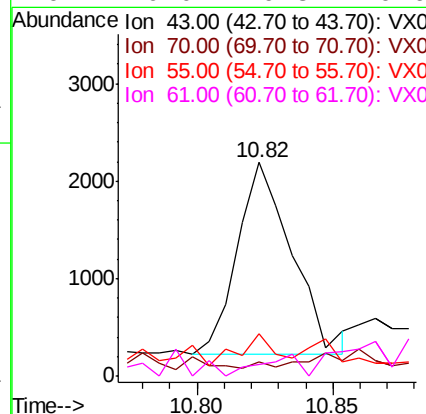
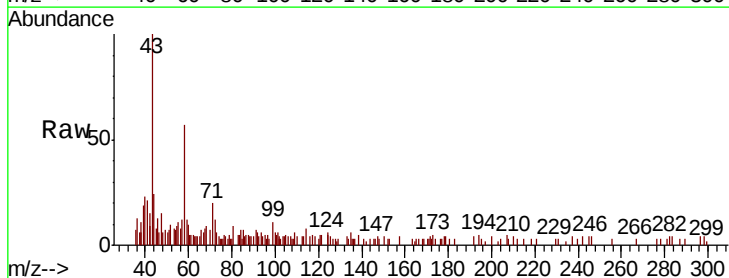
RT: 10.82 min Scan# 1586

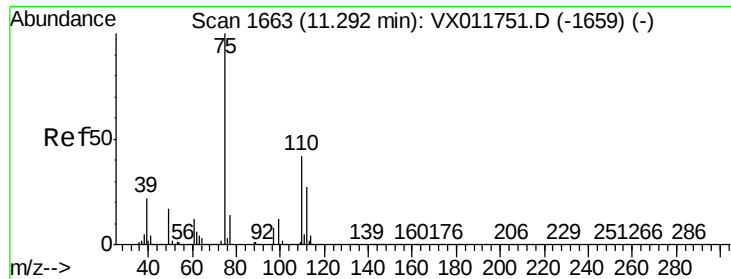
Delta R.T. -0.07 min

Lab File: VX011763.D

Acq: 22 Aug 2019 15:45

Tgt Ion:	43	Resp:	2742
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.8	52.2#
55	10.3	19.5	29.3#
61	0.0	19.8	29.6#

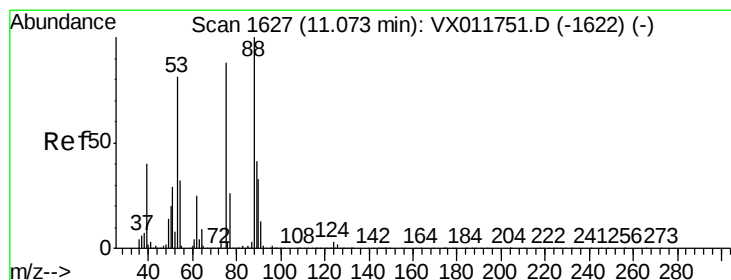
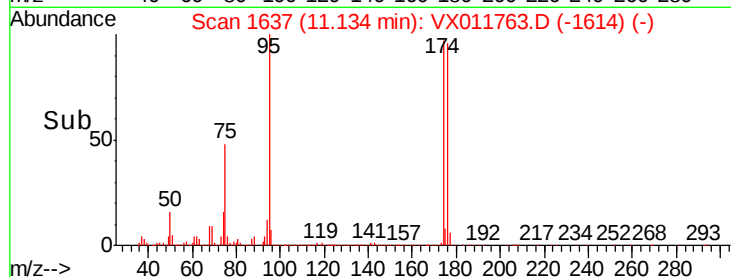
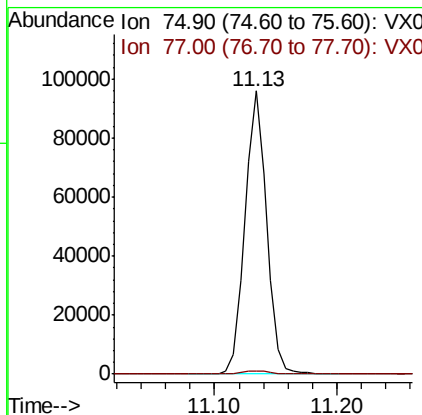
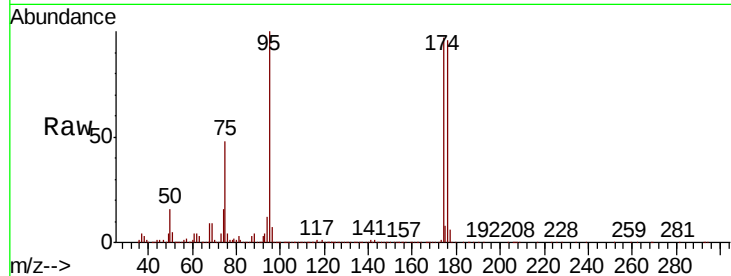




#76
 1,2,3-Trichloropropane
 Concen: 23.530 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011763.D
 Acq: 22 Aug 2019 15:45

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

Tgt Ion: 75 Resp: 116447
 Ion Ratio Lower Upper
 75 100
 77 1.8 21.1 63.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.962 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011763.D
 Acq: 22 Aug 2019 15:45

Tgt Ion: 75 Resp: 116447
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.1 115.7#
 89 0.1 38.5 57.7#

