

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
 Data File : VX011820.D
 Acq On : 24 Aug 2019 15:52
 Operator : JC/SP
 Sample : K4472-40
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S3(2.5)

Quant Time: Aug 26 04:09:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	474886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	640958	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	590000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	322574	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	213159	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	
35) Dibromofluoromethane	5.49	113	188759	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
50) Toluene-d8	8.71	98	731063	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.13	95	271047	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

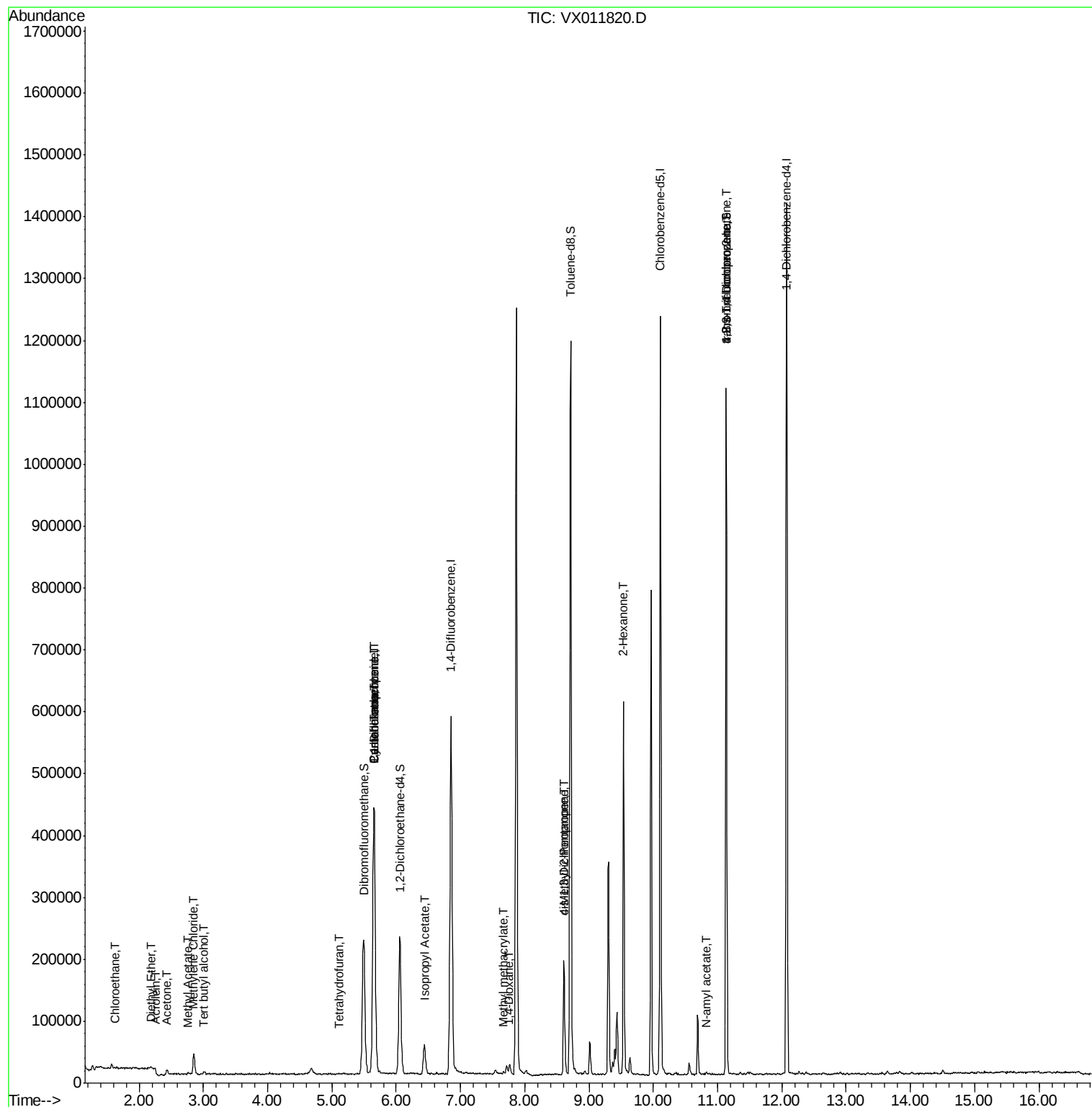
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.62	64	462	0.203	ug/l #	62
8) Diethyl Ether	2.18	74	1245	0.592	ug/l	76
11) Tert butyl alcohol	3.01	59	3689	3.913	ug/l #	84
13) Acrolein	2.25	56	688	1.888	ug/l #	57
16) Acetone	2.43	43	10210	4.920	ug/l	94
18) Methyl Acetate	2.77	43	3474	0.617	ug/l #	83
20) Methylene Chloride	2.85	84	16431	3.873	ug/l	99
29) Tetrahydrofuran	5.12	42	475	0.249	ug/l #	56
31) Cyclohexane	5.65	56	6532	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	25805	5.134	ug/l #	52
38) Carbon Tetrachloride	5.66	117	37752	6.628	ug/l #	16
43) Isopropyl Acetate	6.44	43	65569	7.616	ug/l	96
48) Methyl methacrylate	7.68	41	4396	1.026	ug/l #	16
49) 1,4-Dioxane	7.74	88	67	0.564	ug/l #	26
51) 4-Methyl-2-Pentanone	8.61	43	62223	10.969	ug/l #	52
54) cis-1,3-Dichloropropene	8.61	75	31738	5.343	ug/l #	59
59) 2-Hexanone	9.54	43	67865	15.587	ug/l #	52
74) N-amyl acetate	10.82	43	2209	0.294	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	124649	22.022	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	124649	66.414	ug/l #	11

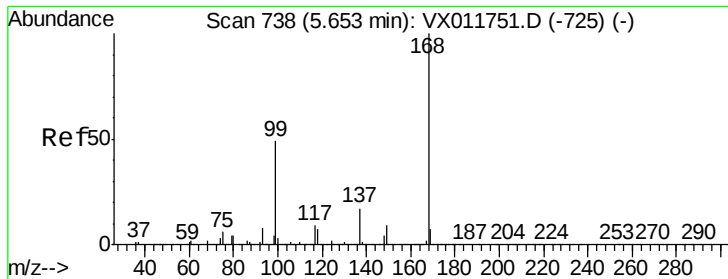
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
T6-S3(2.5)

Quant Time: Aug 26 04:09:46 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: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011820.D

Acq: 24 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

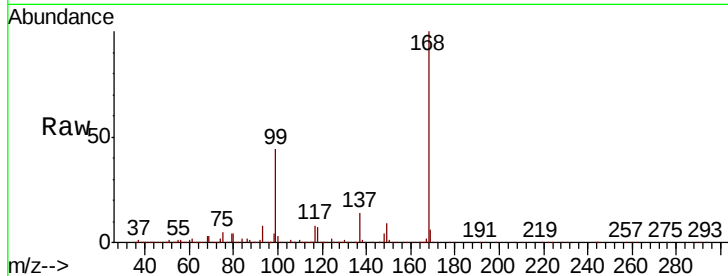
T6-S3(2.5)

Tgt Ion:168 Resp: 474886

Ion Ratio Lower Upper

168 100

99 43.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

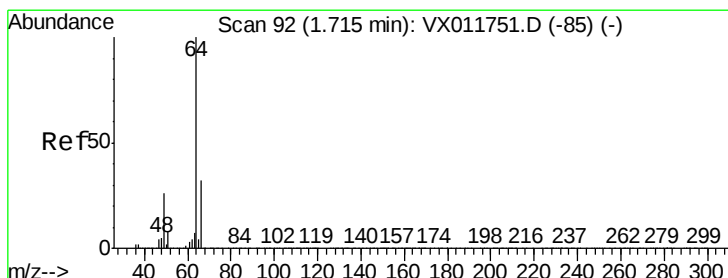
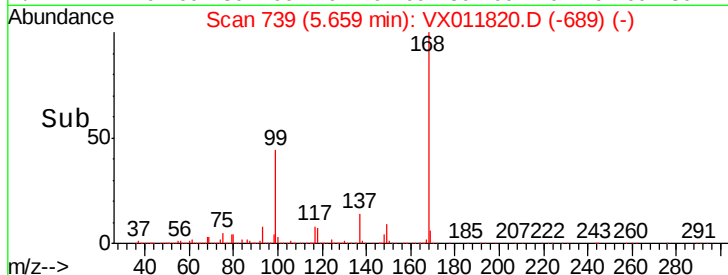
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.203 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX011820.D

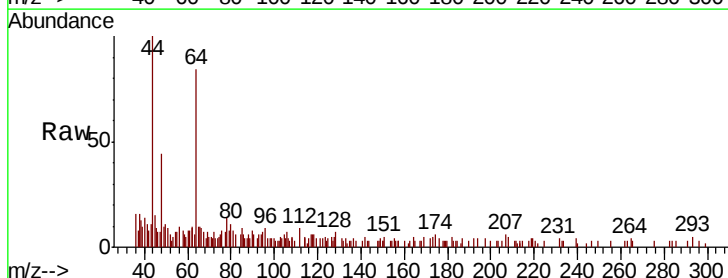
Acq: 24 Aug 2019 15:52

Tgt Ion: 64 Resp: 462

Ion Ratio Lower Upper

64 100

66 52.1 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.62

2000

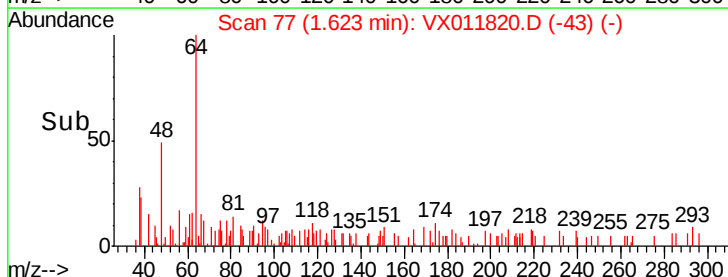
1500

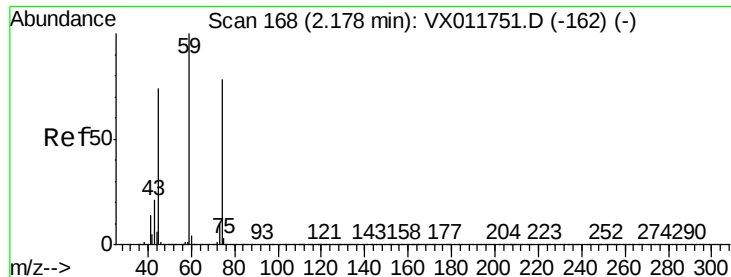
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.592 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.01 min

Lab File: VX011820.D

Acq: 24 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampled :

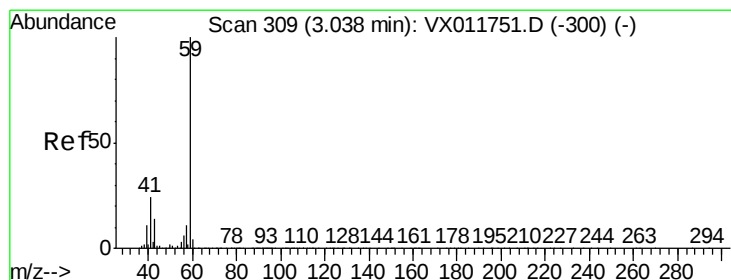
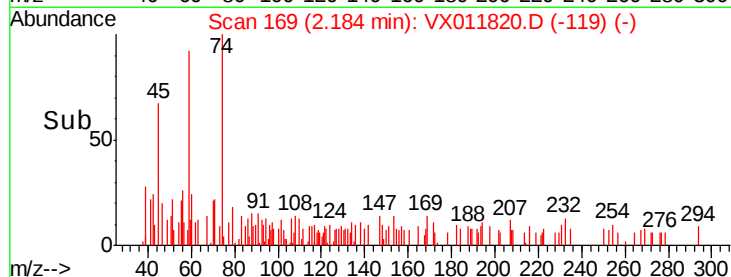
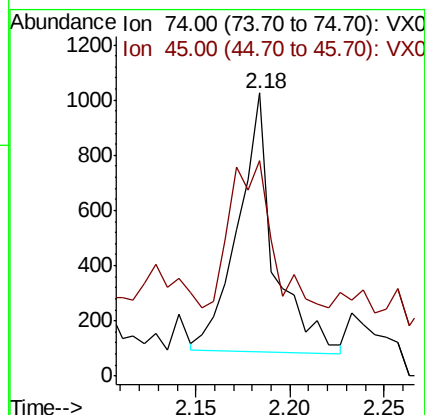
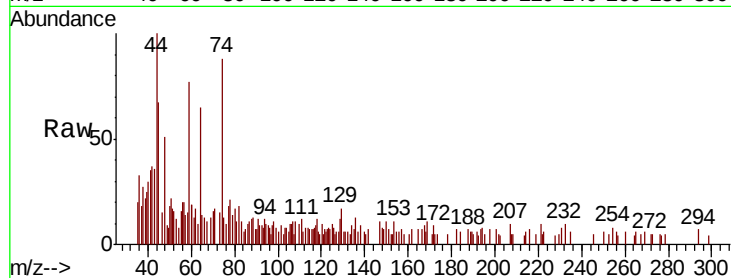
T6-S3(2.5)

Tgt Ion: 74 Resp: 1245

Ion Ratio Lower Upper

74 100

45 70.4 46.7 140.0



#11

Tert butyl alcohol

Concen: 3.913 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011820.D

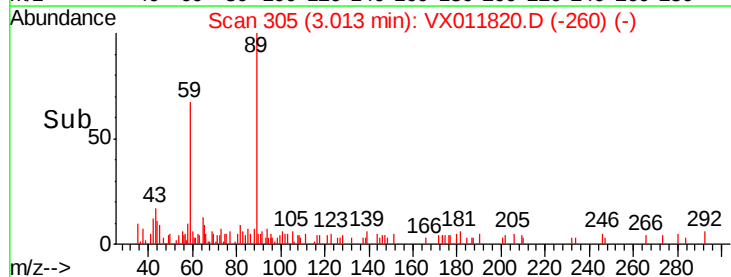
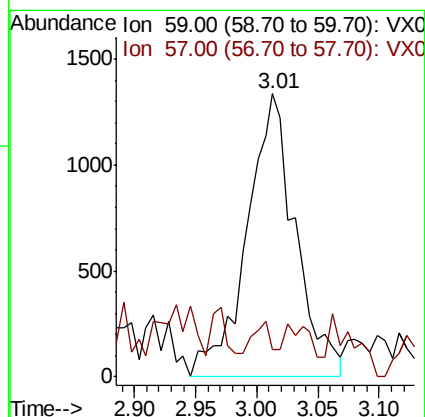
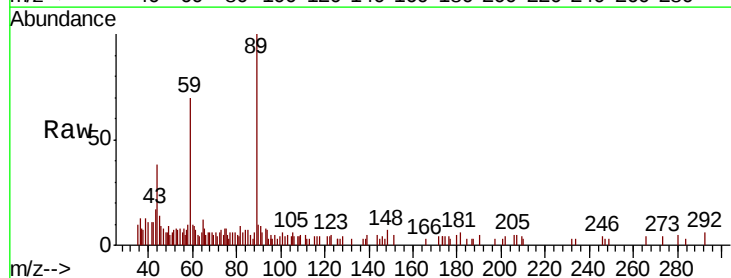
Acq: 24 Aug 2019 15:52

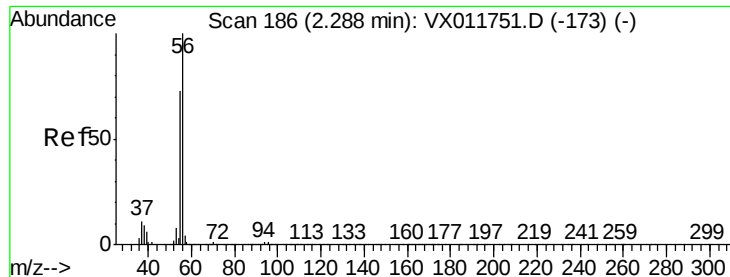
Tgt Ion: 59 Resp: 3689

Ion Ratio Lower Upper

59 100

57 4.6 8.4 12.6#

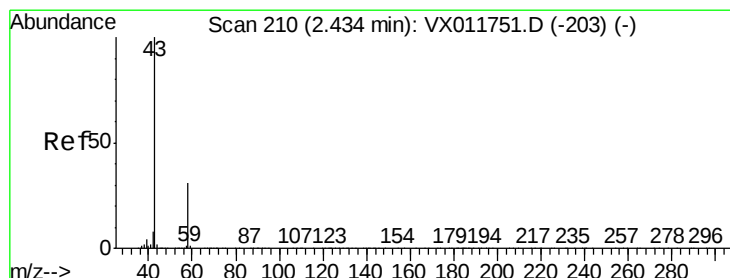
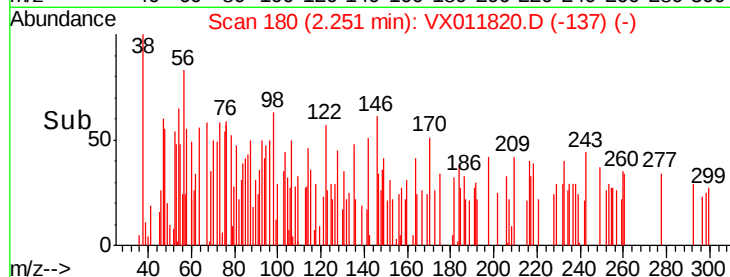
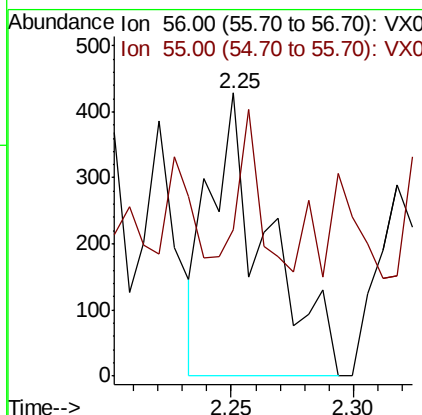
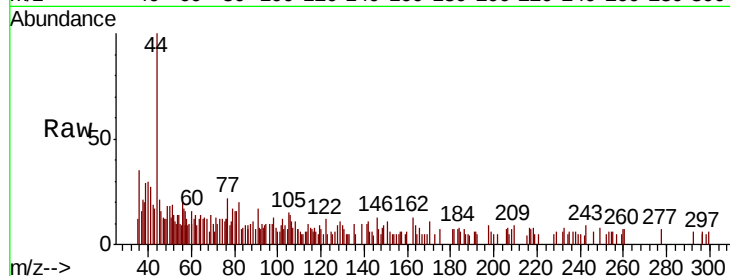




#13
Acrolein
Concen: 1.888 ug/l
RT: 2.25 min Scan# 180
Delta R.T. -0.04 min
Lab File: VX011820.D
Acq: 24 Aug 2019 15:52

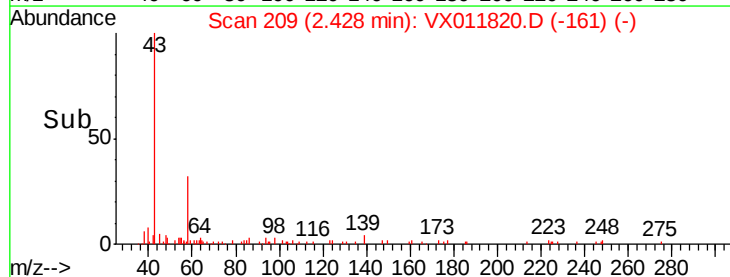
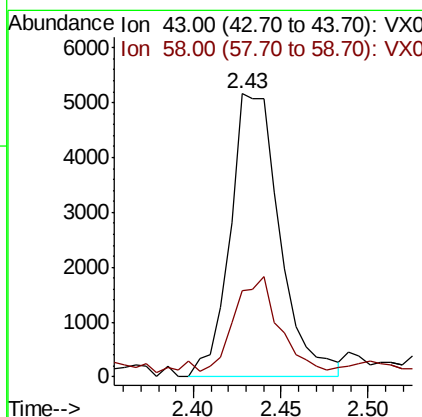
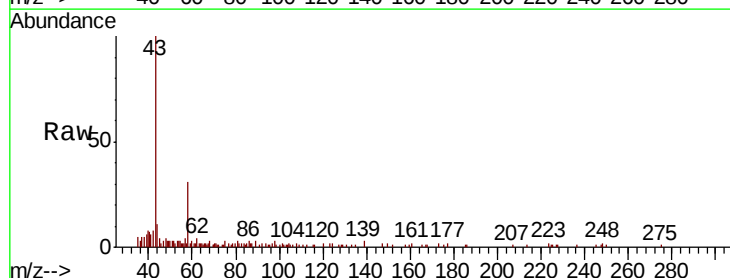
Instrument :
MSVOA_X
ClientSampleId :
T6-S3(2.5)

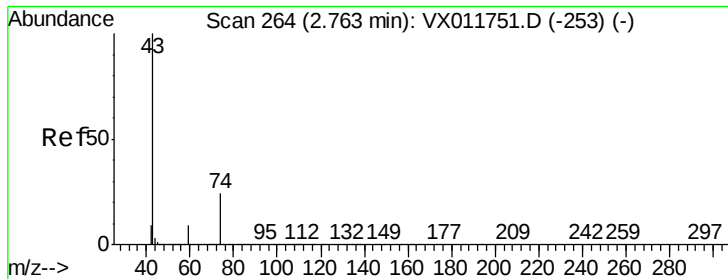
Tgt Ion: 56 Resp: 688
Ion Ratio Lower Upper
56 100
55 34.0 54.8 82.2#



#16
Acetone
Concen: 4.920 ug/l
RT: 2.43 min Scan# 209
Delta R.T. -0.01 min
Lab File: VX011820.D
Acq: 24 Aug 2019 15:52

Tgt Ion: 43 Resp: 10210
Ion Ratio Lower Upper
43 100
58 27.4 24.4 36.6

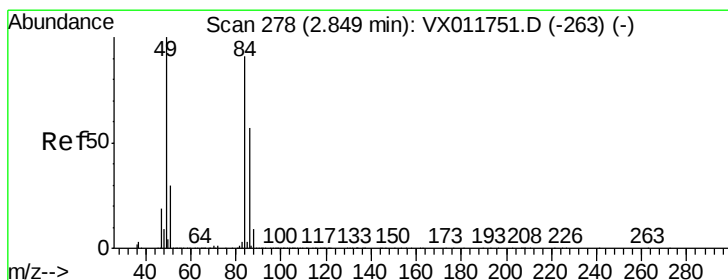
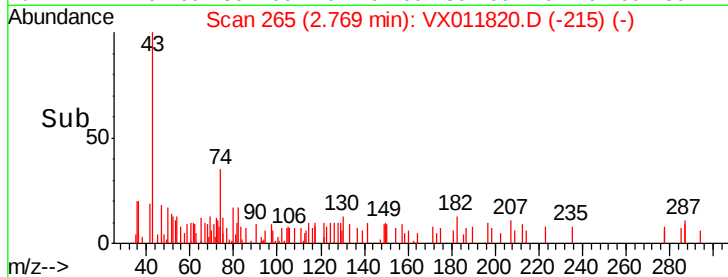
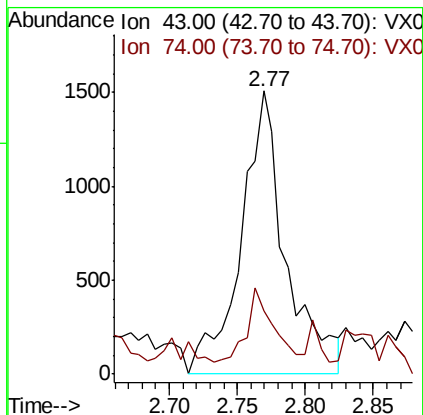
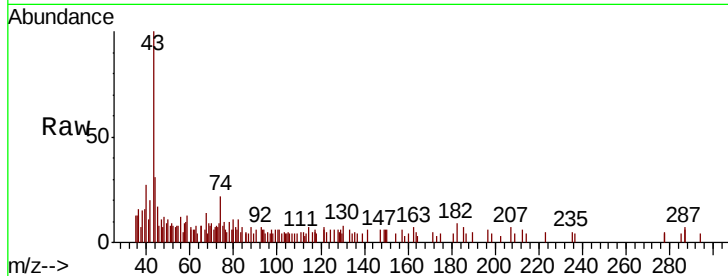




#18
Methyl Acetate
Concen: 0.617 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011820.D
Acq: 24 Aug 2019 15:52

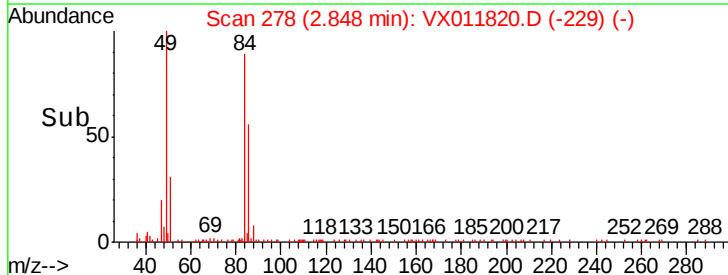
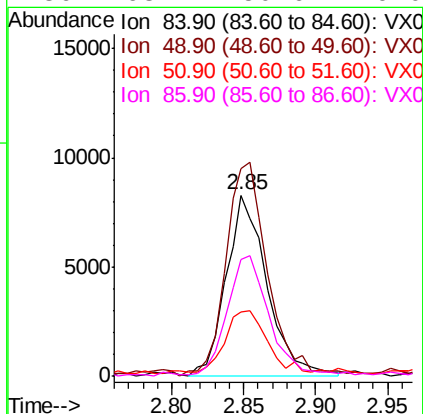
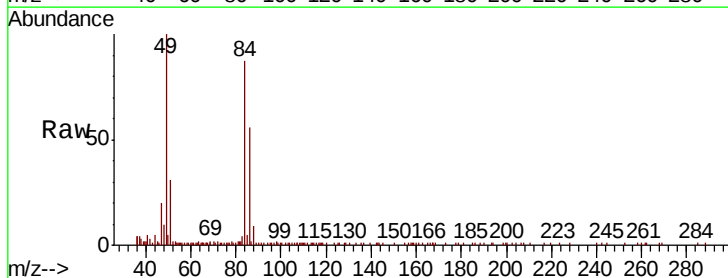
Instrument :
MSVOA_X
ClientSampleId :
T6-S3(2.5)

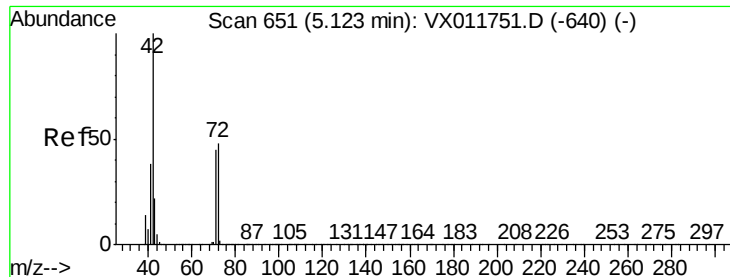
Tgt Ion: 43 Resp: 3474
Ion Ratio Lower Upper
43 100
74 15.8 19.5 29.3#



#20
Methylene Chloride
Concen: 3.873 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011820.D
Acq: 24 Aug 2019 15:52

Tgt Ion: 84 Resp: 16431
Ion Ratio Lower Upper
84 100
49 111.9 88.3 132.5
51 33.4 26.2 39.2
86 63.2 50.6 76.0





#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX011820.D

Acq: 24 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampled :

T6-S3(2.5)

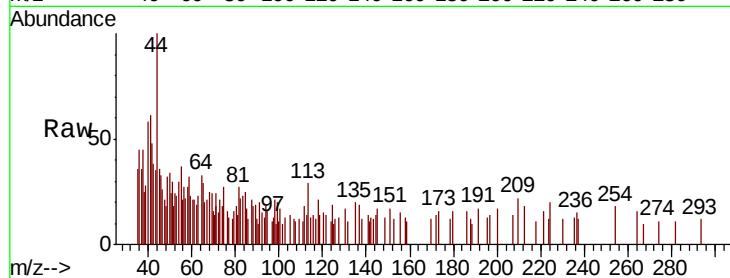
Tgt Ion: 42 Resp: 475

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

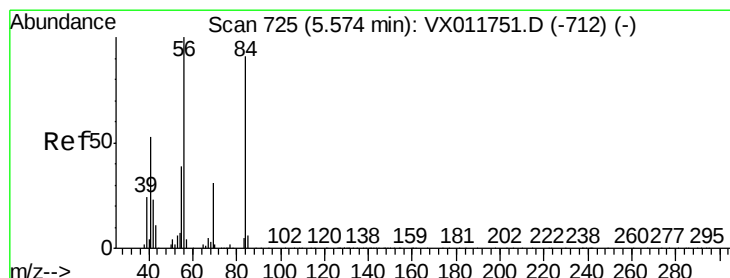
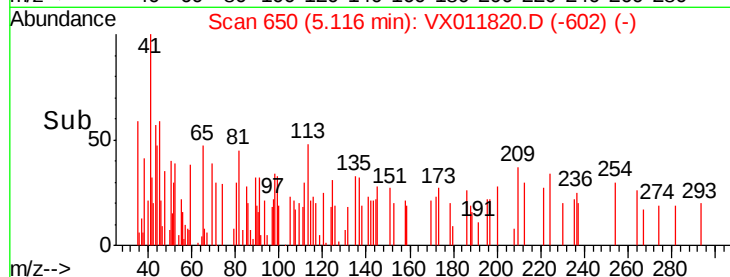
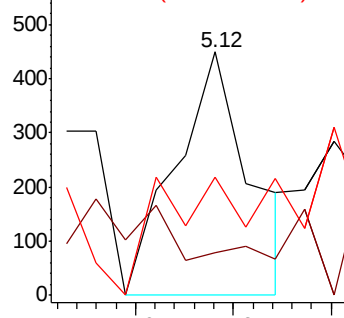
71 53.1 34.6 51.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.114 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011820.D

Acq: 24 Aug 2019 15:52

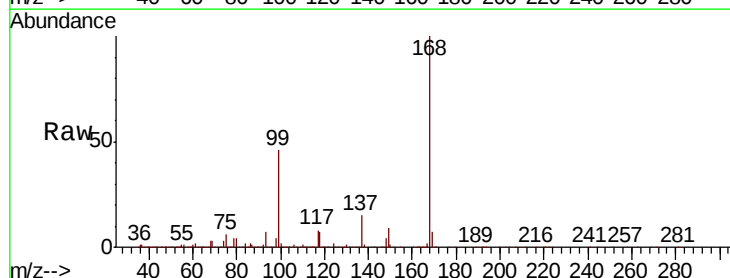
Tgt Ion: 56 Resp: 6532

Ion Ratio Lower Upper

56 100

69 208.0 24.5 36.7#

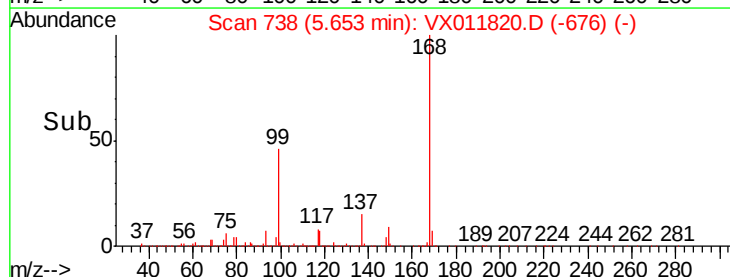
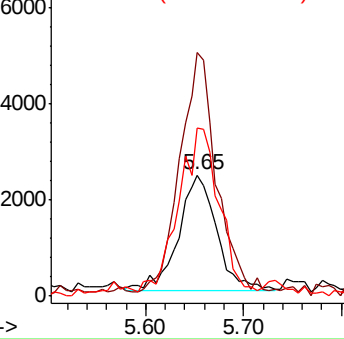
84 139.0 72.7 109.1#

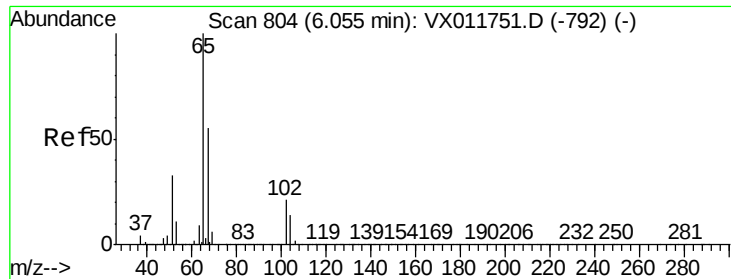


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 44.683 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011820.D

Acq: 24 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

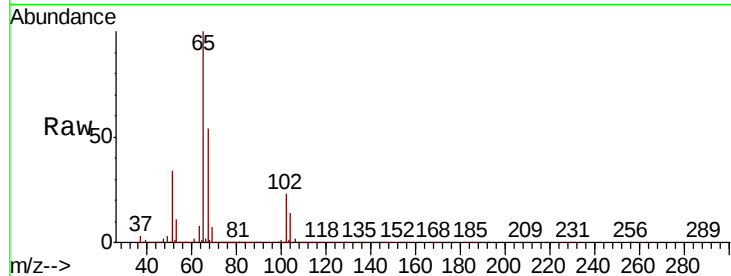
T6-S3(2.5)

Tgt Ion: 65 Resp: 213159

Ion Ratio Lower Upper

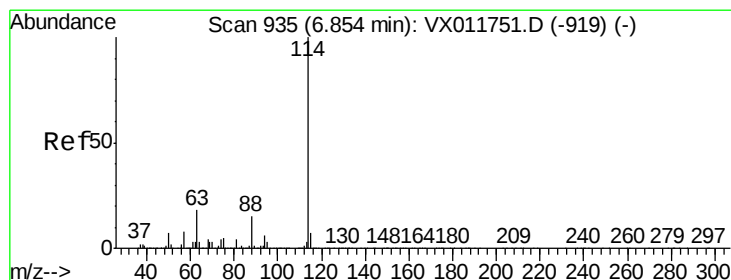
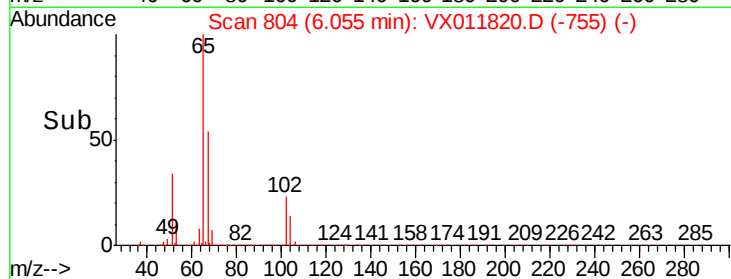
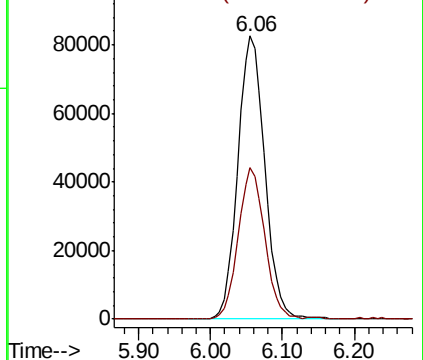
65 100

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: VX011820.D

Acq: 24 Aug 2019 15:52

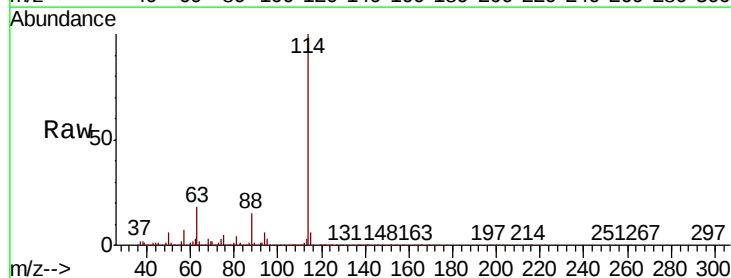
Tgt Ion: 114 Resp: 640958

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

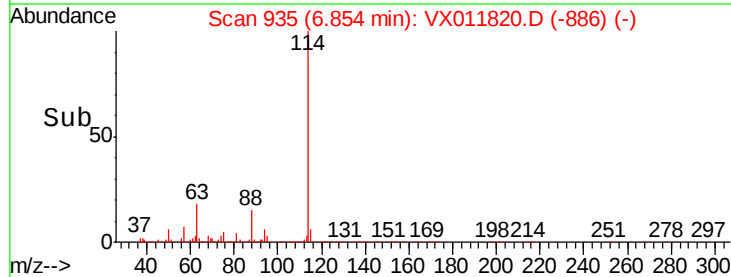
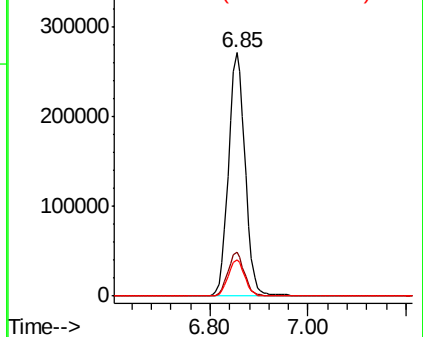
88 15.0 0.0 30.2

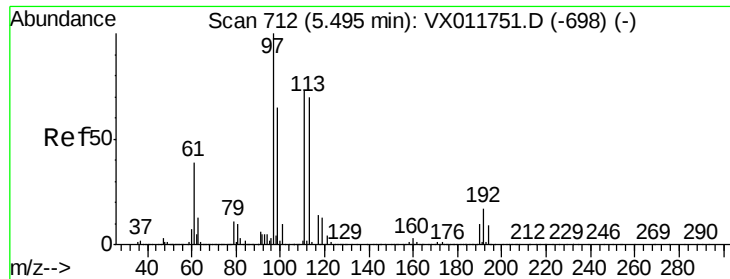


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

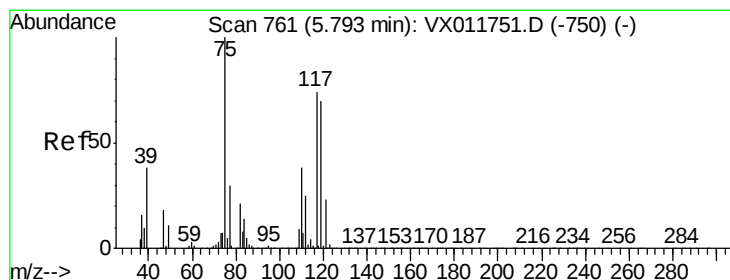
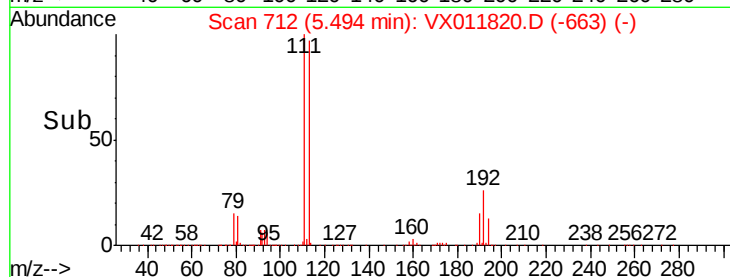
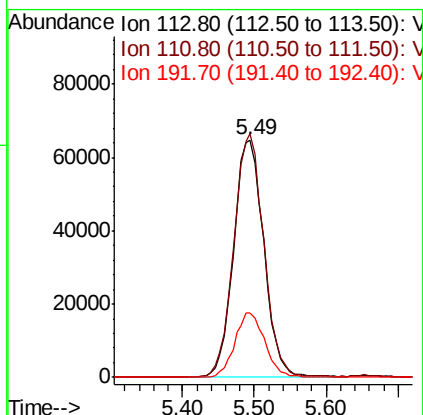
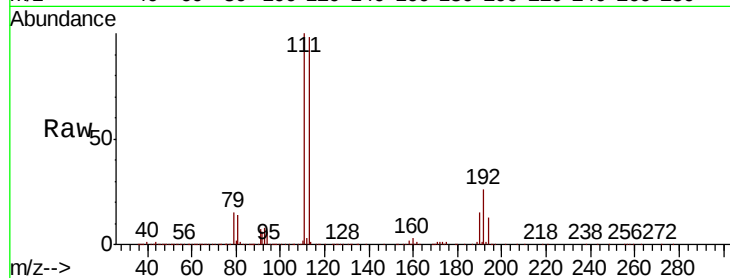




#35
 Dibromofluoromethane
 Concen: 45.542 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011820.D
 Acq: 24 Aug 2019 15:52

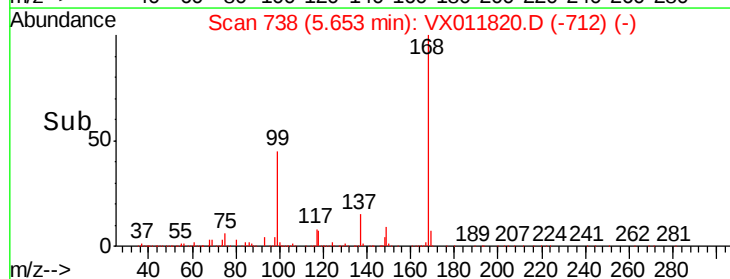
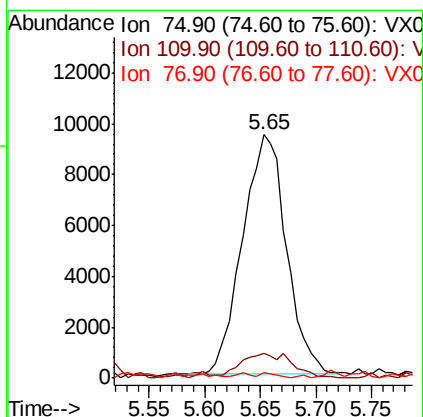
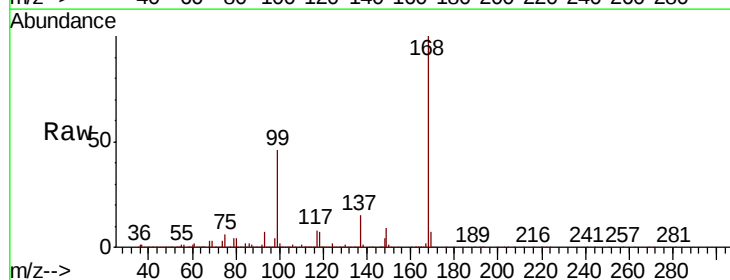
Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S3(2.5)

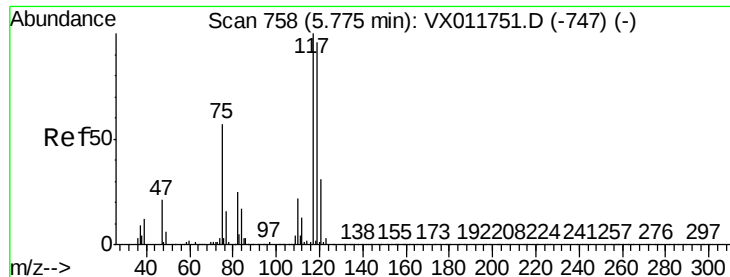
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.4
192	27.2	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.134 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011820.D
 Acq: 24 Aug 2019 15:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.1	19.0	57.0#
77	0.8	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.628 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011820.D

Acq: 24 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

T6-S3(2.5)

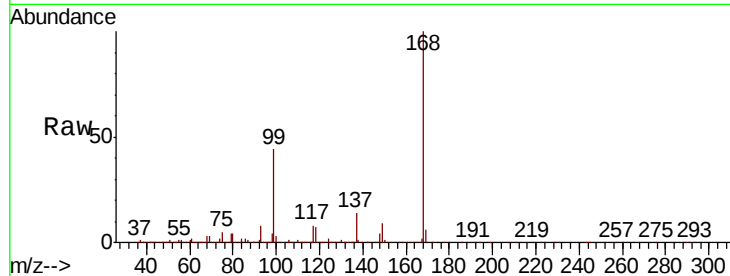
Tgt Ion:117 Resp: 37752

Ion Ratio Lower Upper

117 100

119 5.2 76.6 114.8#

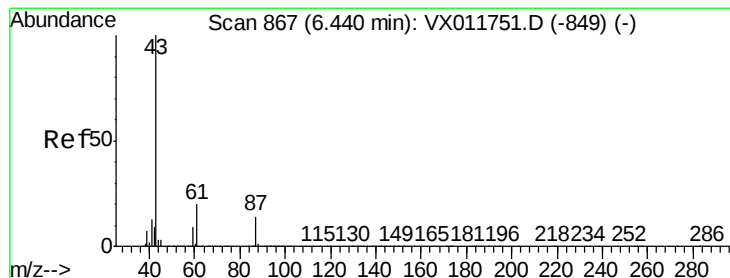
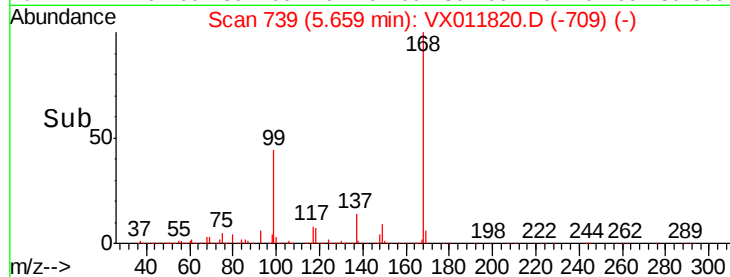
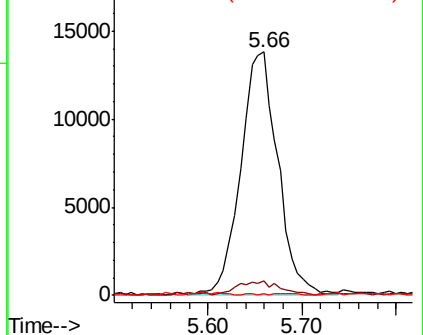
121 0.2 25.2 37.8#



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: 7.616 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011820.D

Acq: 24 Aug 2019 15:52

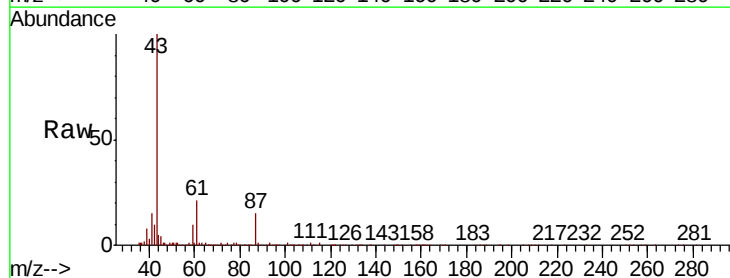
Tgt Ion: 43 Resp: 65569

Ion Ratio Lower Upper

43 100

61 22.5 16.2 24.2

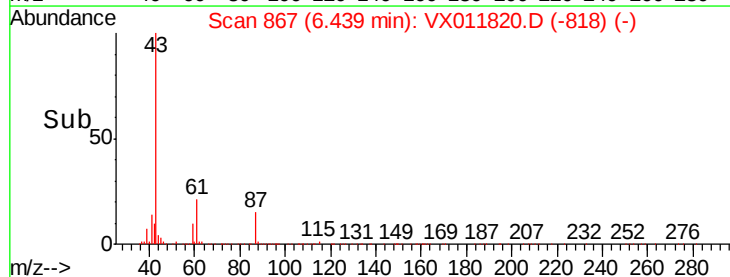
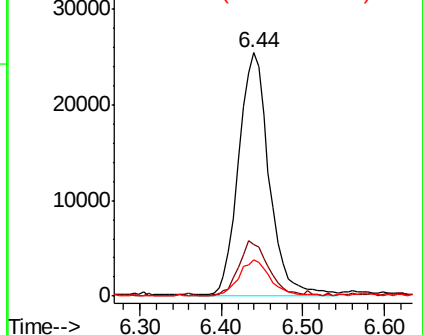
87 15.5 11.6 17.4

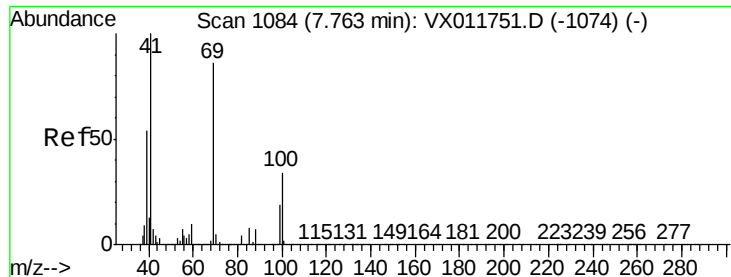


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

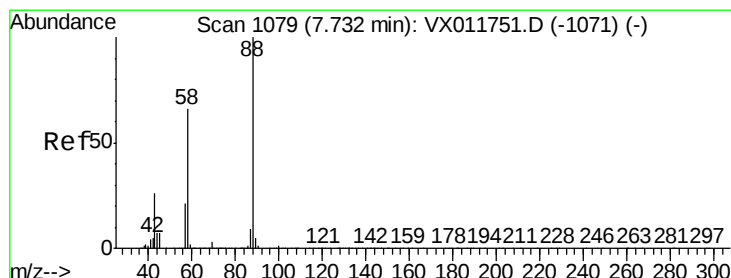
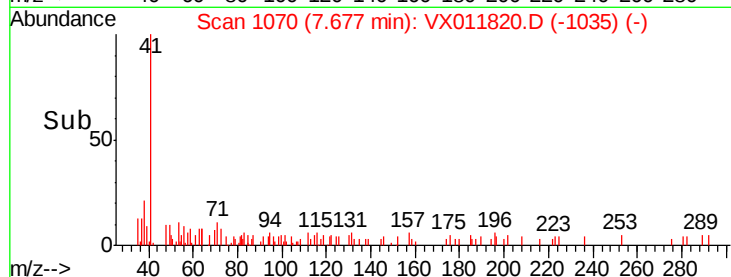
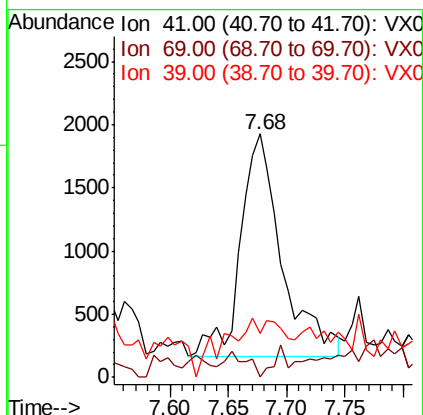
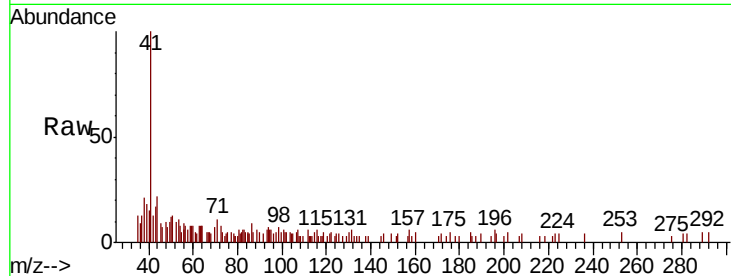




#48
Methyl methacrylate
Concen: 1.026 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011820.D
Acq: 24 Aug 2019 15:52

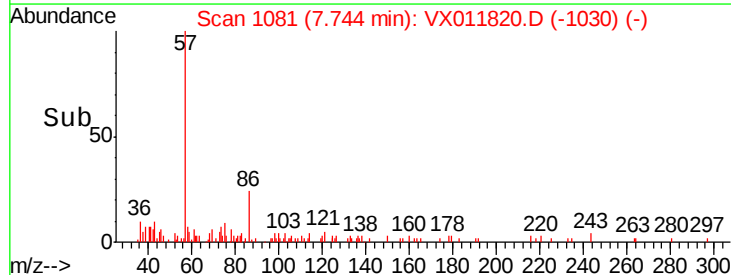
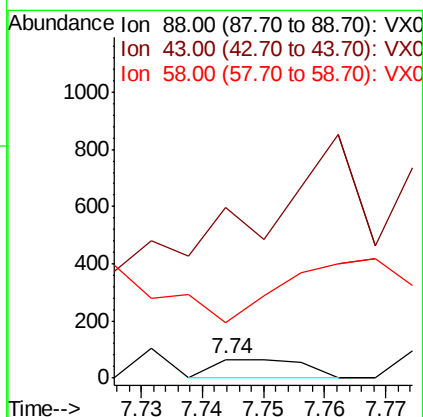
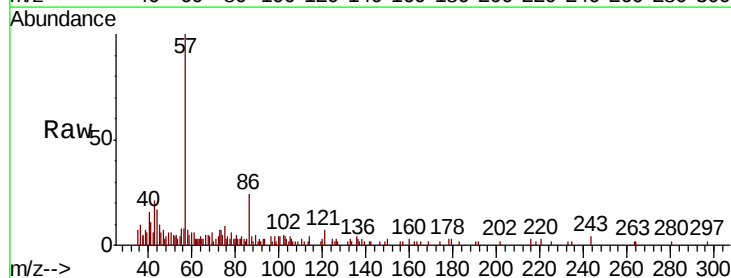
Instrument :
MSVOA_X
ClientSampleId :
T6-S3(2.5)

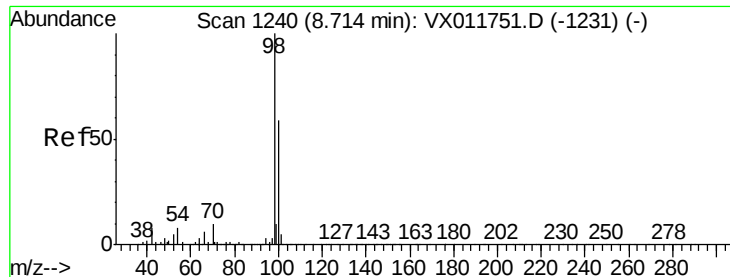
Tgt Ion: 41 Resp: 4396
Ion Ratio Lower Upper
41 100
69 5.2 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 0.564 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011820.D
Acq: 24 Aug 2019 15:52

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 0.0 51.4 77.2#





#50

Toluene-d8

Concen: 50.569 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011820.D

Acq: 24 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

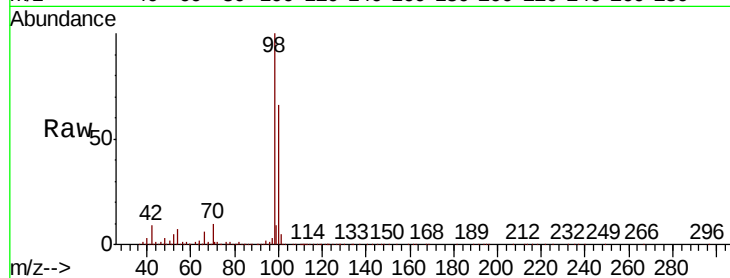
T6-S3(2.5)

Tgt Ion: 98 Resp: 731063

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

500000

400000

300000

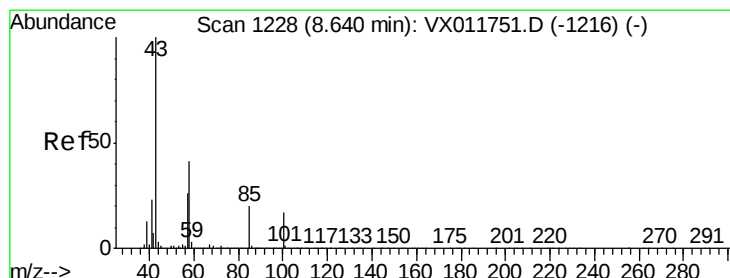
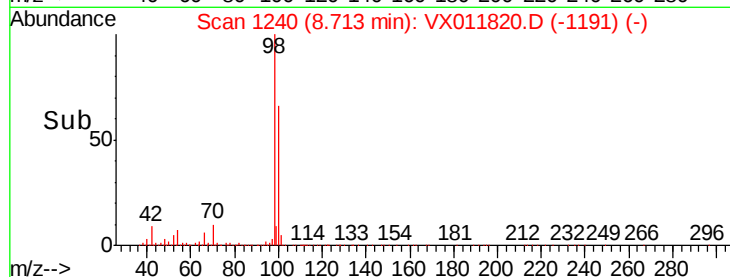
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 10.969 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011820.D

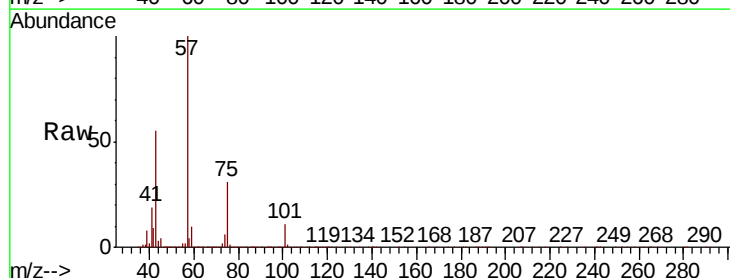
Acq: 24 Aug 2019 15:52

Tgt Ion: 43 Resp: 62223

Ion Ratio Lower Upper

43 100

58 9.9 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

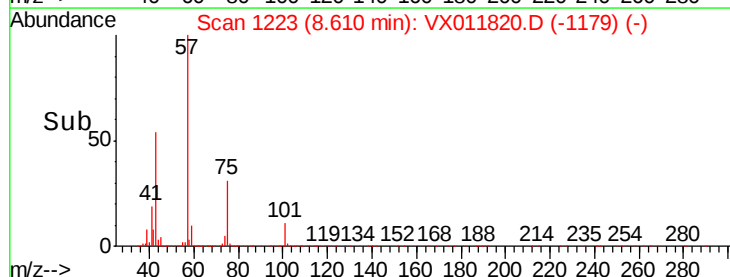
20000

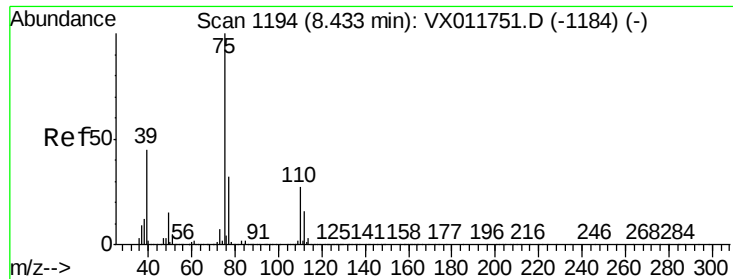
10000

0

8.50 8.55 8.60 8.65 8.70

Time-->



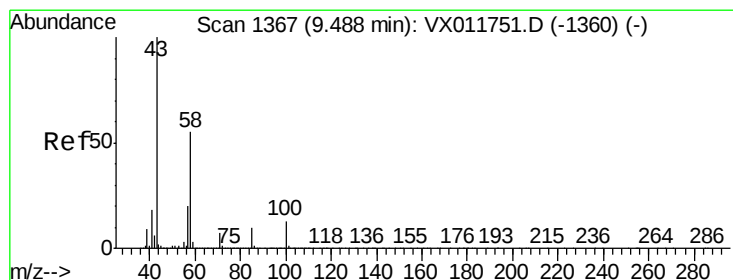
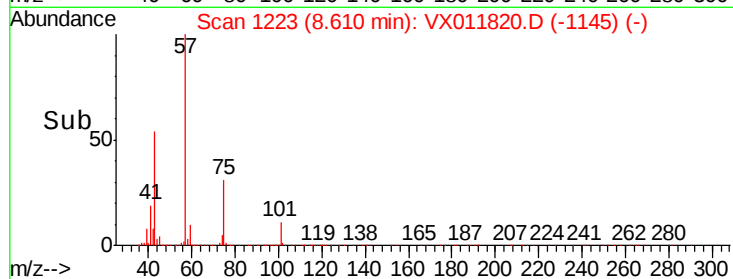
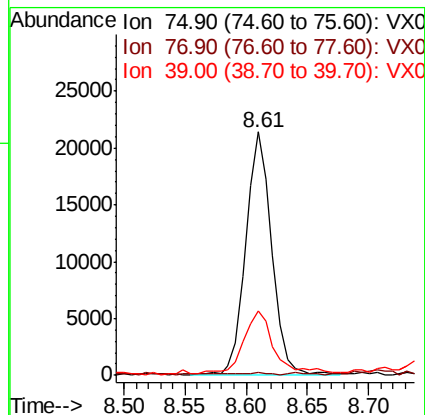
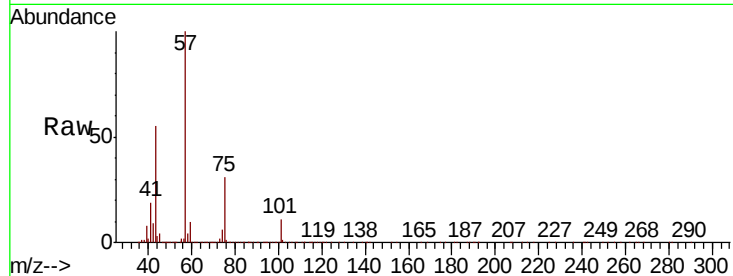


#54

cis-1,3-Dichloropropene
 Concen: 5.343 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011820.D
 Acq: 24 Aug 2019 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S3(2.5)

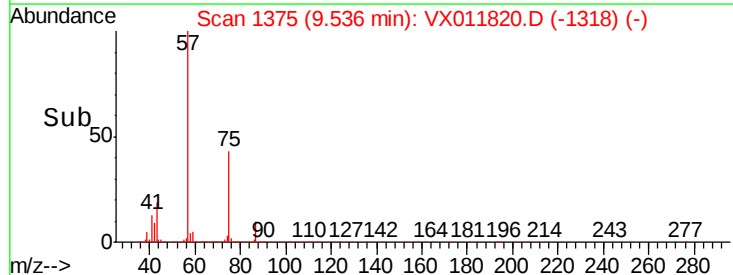
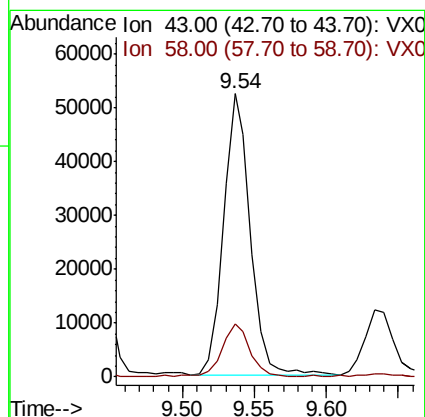
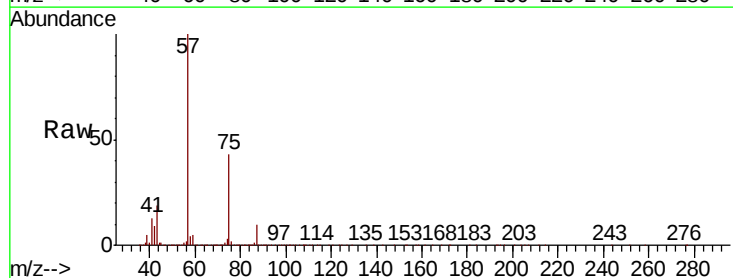
Tgt Ion: 75 Resp: 31738
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.4 38.2#
 39 25.8 36.2 54.4#

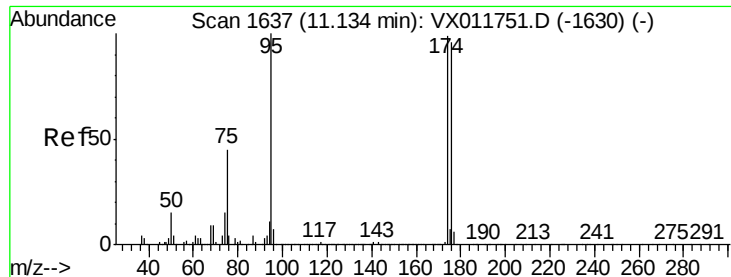


#59

2-Hexanone
 Concen: 15.587 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011820.D
 Acq: 24 Aug 2019 15:52

Tgt Ion: 43 Resp: 67865
 Ion Ratio Lower Upper
 43 100
 58 20.5 27.7 83.1#

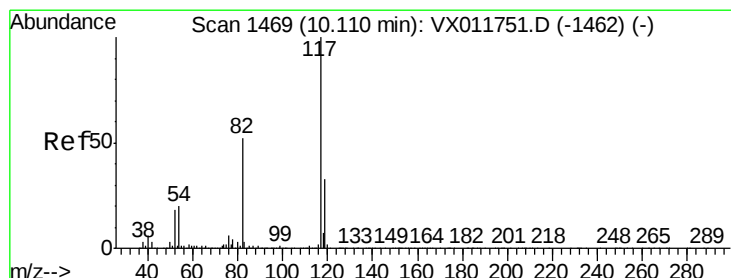
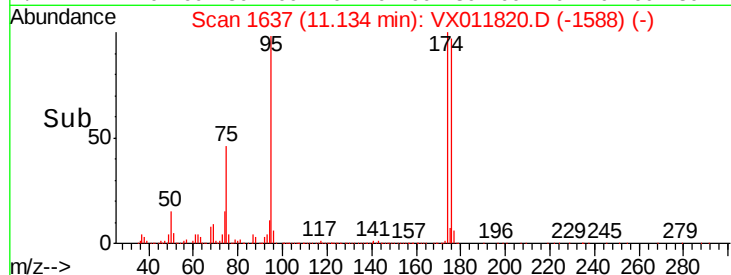
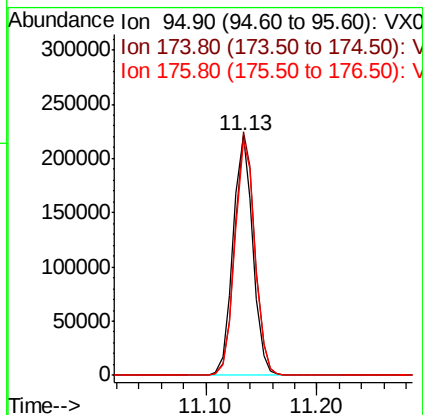
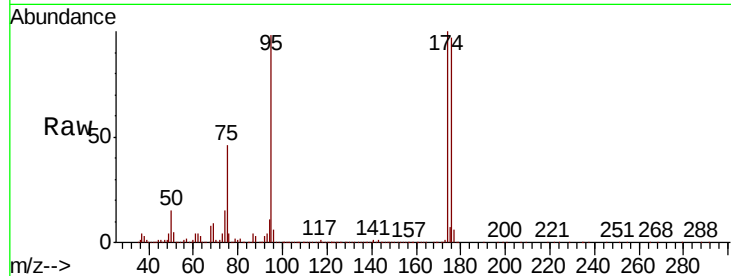




#62
4-Bromofluorobenzene
Concen: 47.434 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011820.D
Acq: 24 Aug 2019 15:52

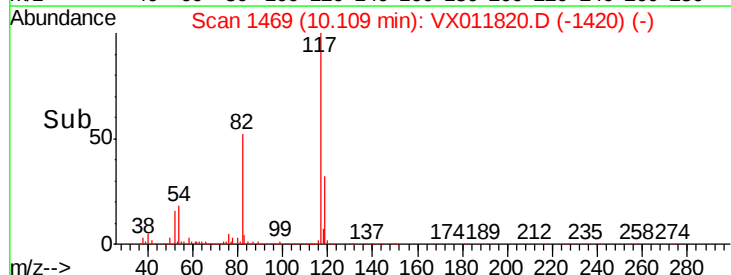
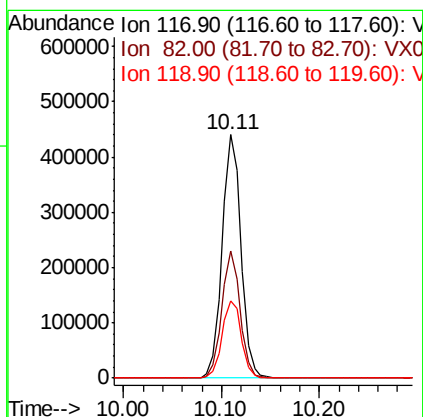
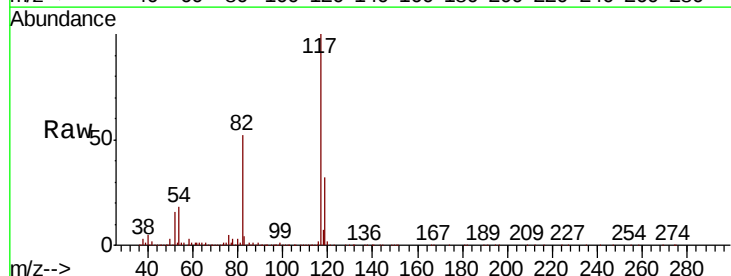
Instrument :
MSVOA_X
ClientSampleId :
T6-S3(2.5)

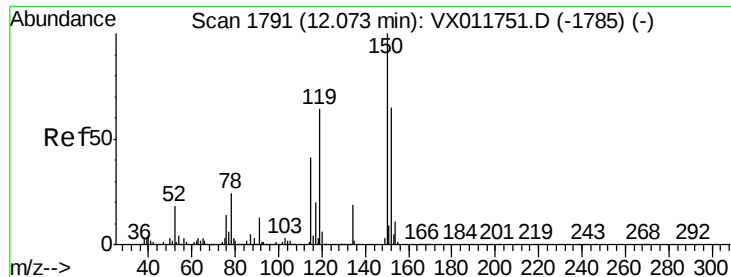
Tgt Ion: 95 Resp: 271047
Ion Ratio Lower Upper
95 100
174 102.4 0.0 197.4
176 99.2 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011820.D
Acq: 24 Aug 2019 15:52

Tgt Ion: 117 Resp: 590000
Ion Ratio Lower Upper
117 100
82 52.0 41.7 62.5
119 31.7 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: VX011820.D

Acq: 24 Aug 2019 15:52

Instrument :

MSVOA_X

ClientSampled :

T6-S3(2.5)

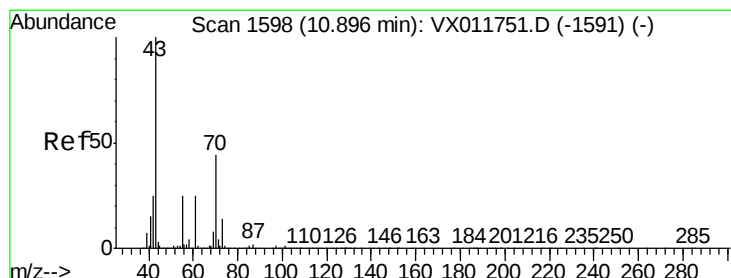
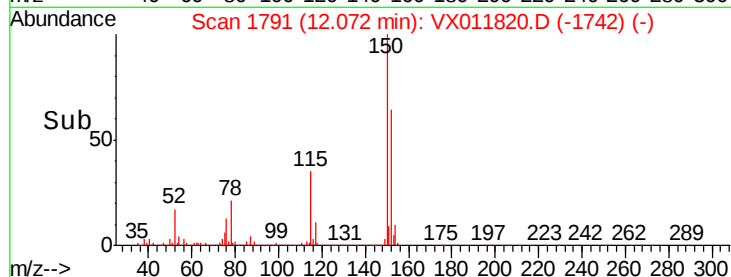
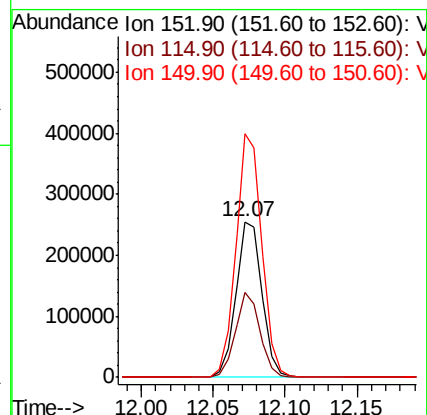
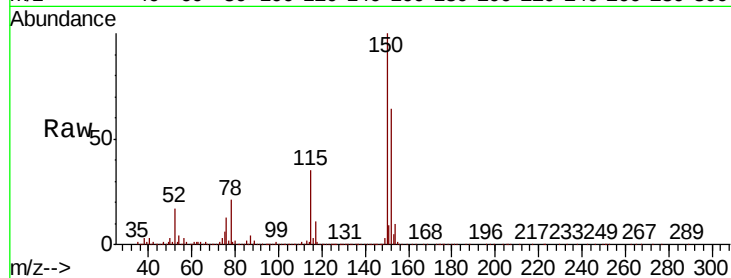
Tgt Ion:152 Resp: 322574

Ion Ratio Lower Upper

152 100

115 52.0 37.3 111.8

150 155.6 0.0 343.0



#74

N-ethyl acetate

Concen: 0.294 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011820.D

Acq: 24 Aug 2019 15:52

Tgt Ion: 43 Resp: 2209

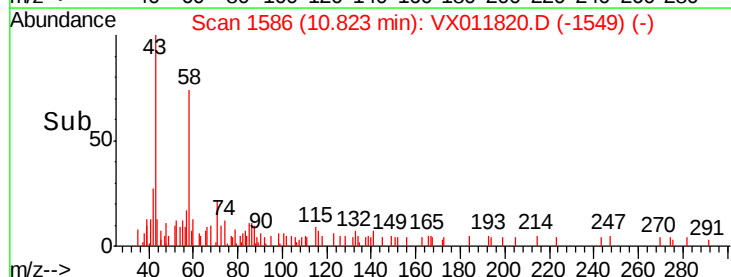
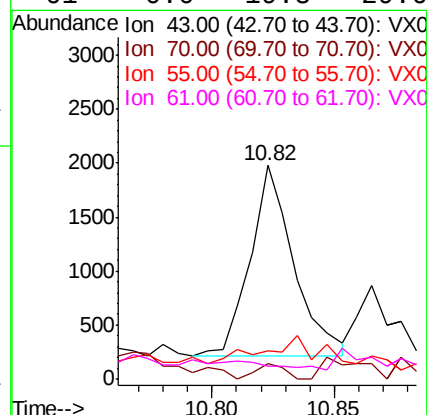
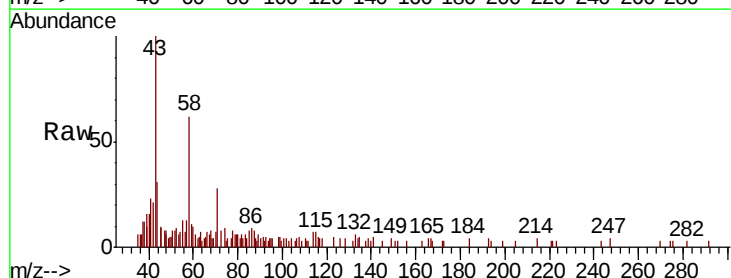
Ion Ratio Lower Upper

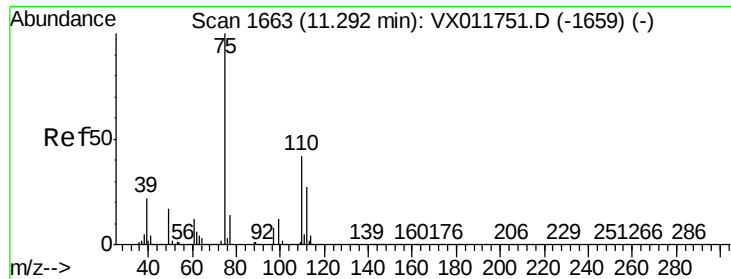
43 100

70 5.3 34.8 52.2#

55 15.9 19.5 29.3#

61 0.0 19.8 29.6#

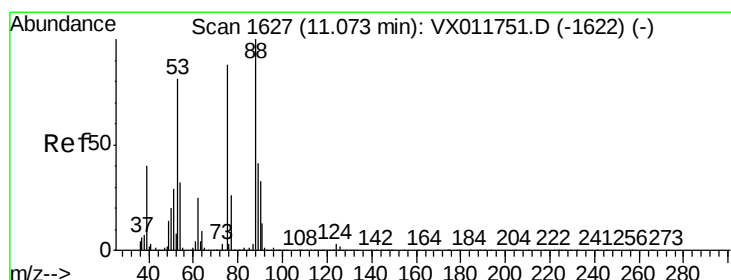
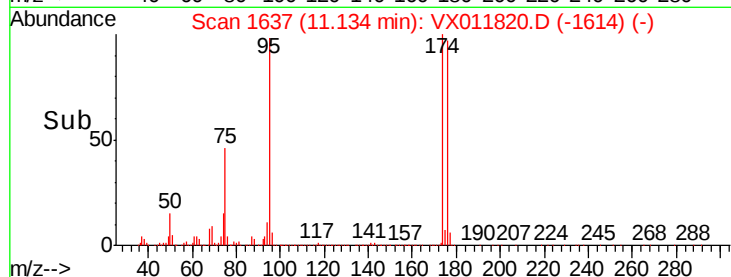
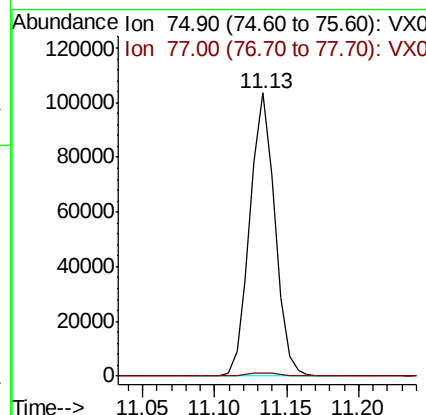
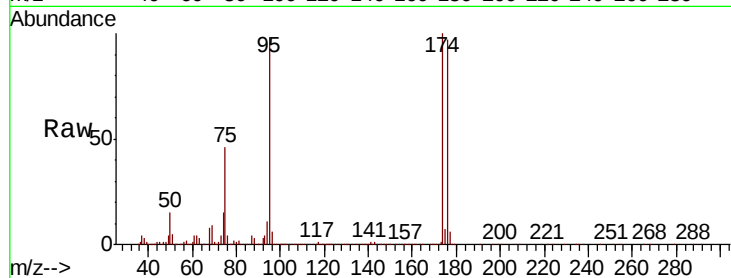




#76
 1,2,3-Trichloropropane
 Concen: 22.022 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011820.D
 Acq: 24 Aug 2019 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S3(2.5)

Tgt Ion: 75 Resp: 124649
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.1 63.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.414 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011820.D
 Acq: 24 Aug 2019 15:52

Tgt Ion: 75 Resp: 124649
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.1 115.7#
 89 0.1 38.5 57.7#

