

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
 Data File : VX011828.D
 Acq On : 24 Aug 2019 18:59
 Operator : JC/SP
 Sample : K4474-28
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F4-(2.5)

Quant Time: Aug 26 04:11:50 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	449656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	612434	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	572226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	313799	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	201688	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	
35) Dibromofluoromethane	5.49	113	180609	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
50) Toluene-d8	8.71	98	709000	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.13	95	258055	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

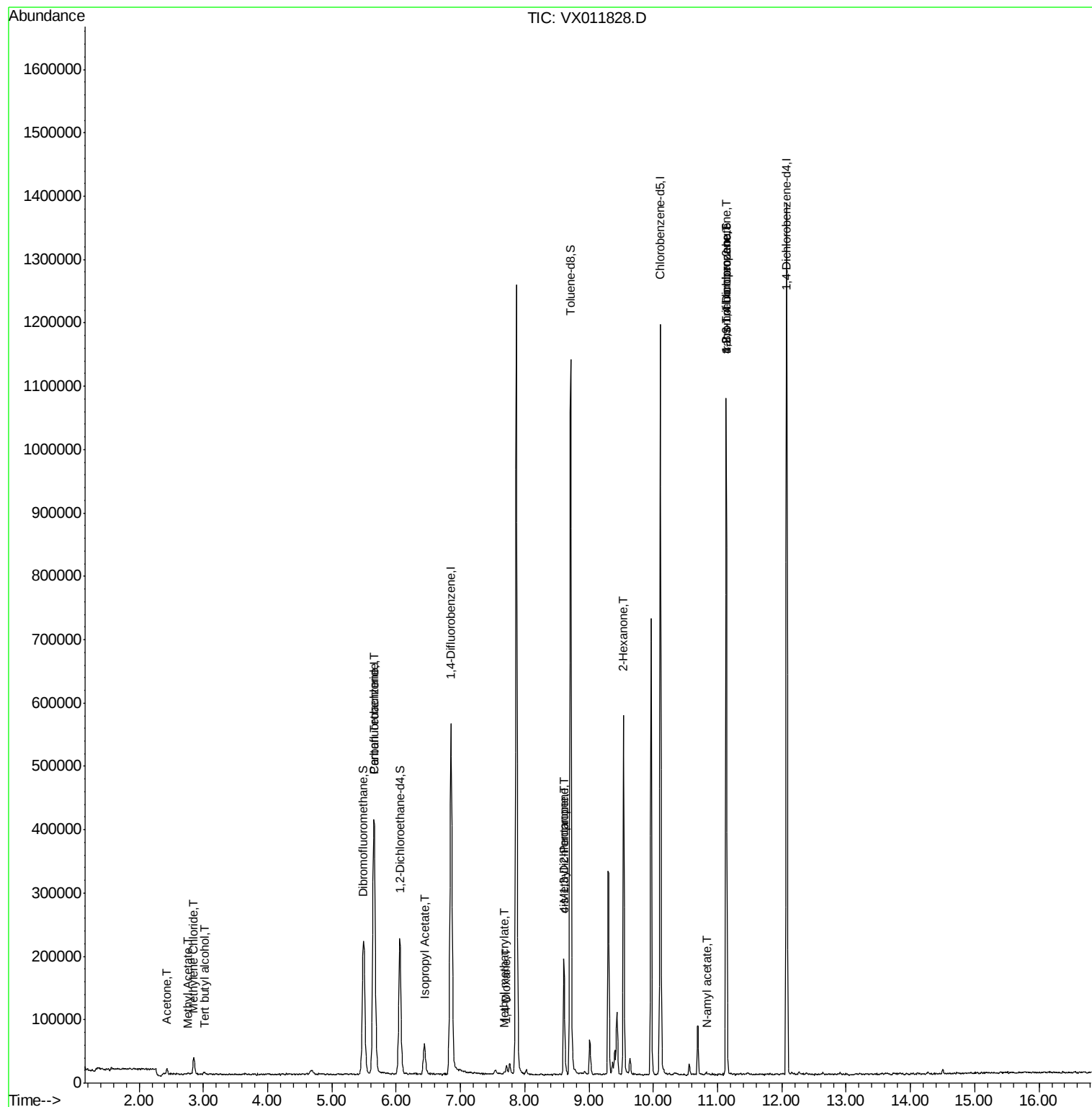
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	2594	2.906	ug/l	99
16) Acetone	2.43	43	10954	5.575	ug/l	93
18) Methyl Acetate	2.77	43	3839	0.720	ug/l #	81
20) Methylene Chloride	2.85	84	13694	3.409	ug/l #	95
38) Carbon Tetrachloride	5.65	117	37030	6.804	ug/l #	17
43) Isopropyl Acetate	6.43	43	64182	7.802	ug/l	97
48) Methyl methacrylate	7.68	41	5863	1.432	ug/l #	13
49) 1,4-Dioxane	7.70	88	253	2.231	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	60316	11.128	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	30482	5.371	ug/l #	60
59) 2-Hexanone	9.54	43	61519	14.788	ug/l #	52
74) N-amyl acetate	10.82	43	2382	0.325	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	119626	21.726	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	119626	65.520	ug/l #	11

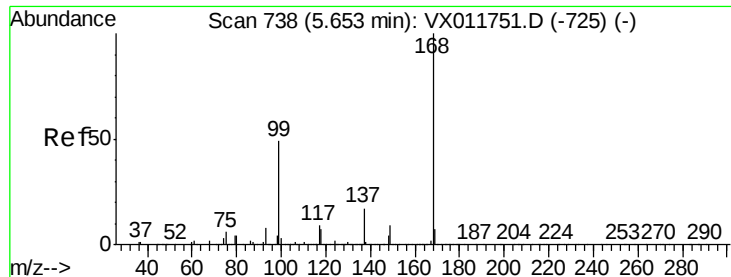
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T1-2-F4-(2.5)

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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: VX011828.D

Acq: 24 Aug 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

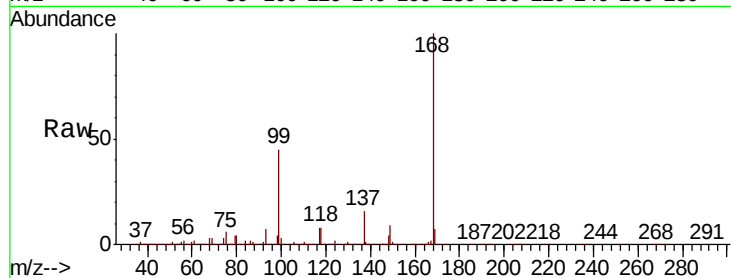
T1-2-F4-(2.5)

Tgt Ion:168 Resp: 449656

Ion Ratio Lower Upper

168 100

99 44.8 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

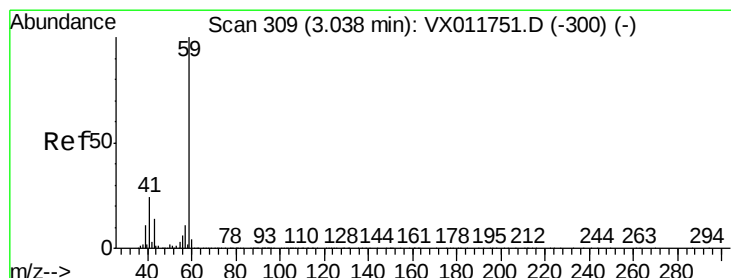
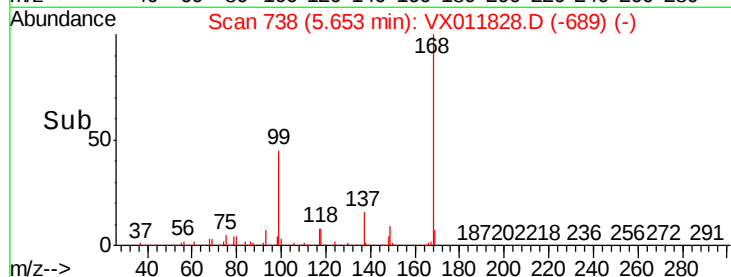
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.906 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011828.D

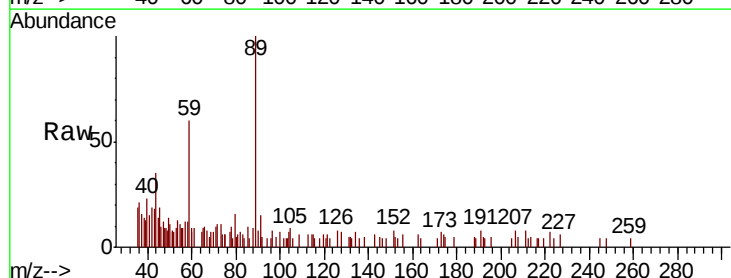
Acq: 24 Aug 2019 18:59

Tgt Ion: 59 Resp: 2594

Ion Ratio Lower Upper

59 100

57 10.9 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

1000

800

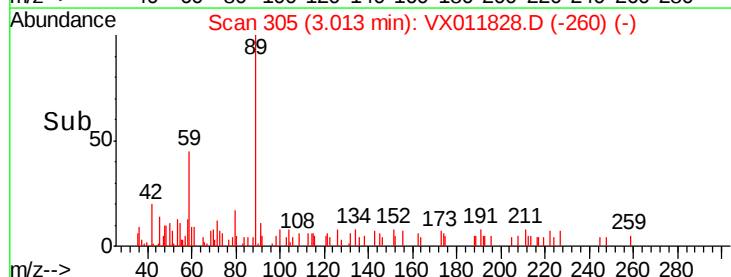
600

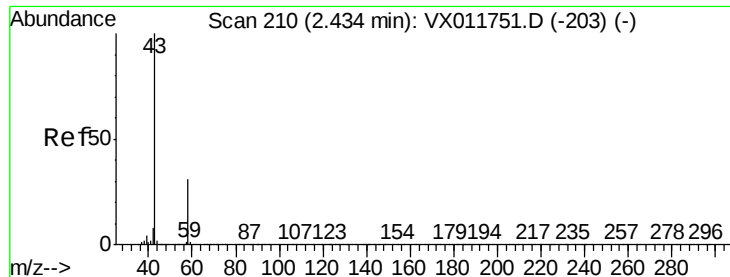
400

200

0

Time-->





#16

Acetone

Concen: 5.575 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011828.D

Acq: 24 Aug 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

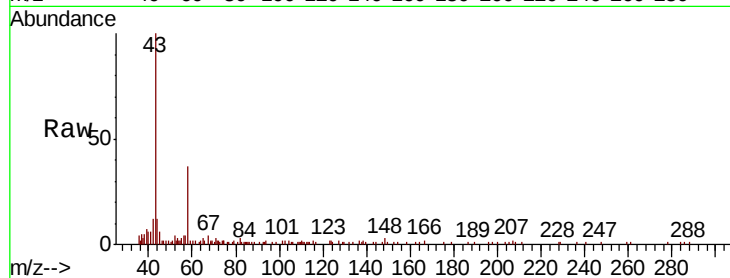
T1-2-F4-(2.5)

Tgt Ion: 43 Resp: 10954

Ion Ratio Lower Upper

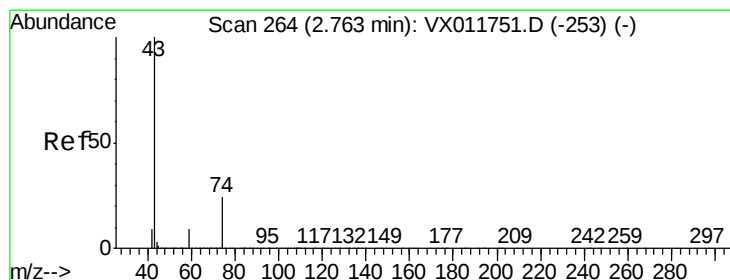
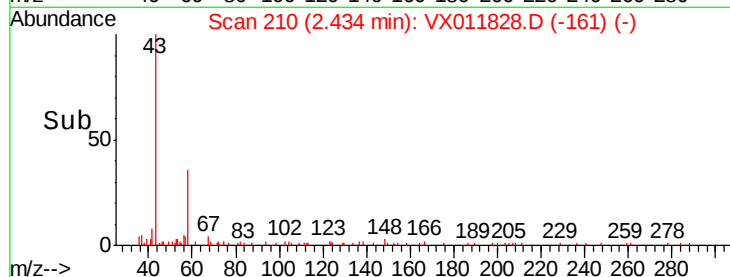
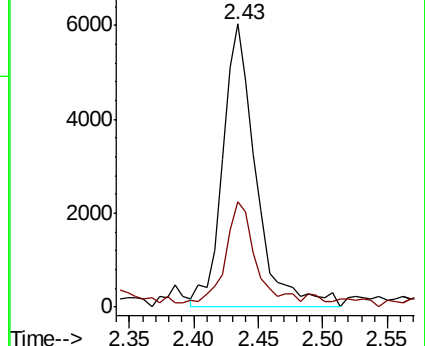
43 100

58 34.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.720 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011828.D

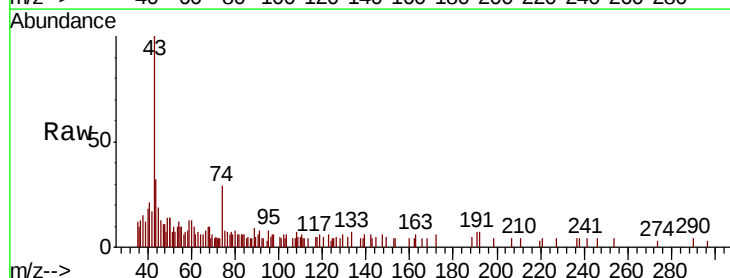
Acq: 24 Aug 2019 18:59

Tgt Ion: 43 Resp: 3839

Ion Ratio Lower Upper

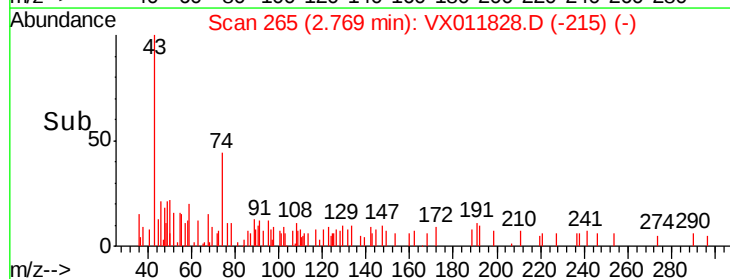
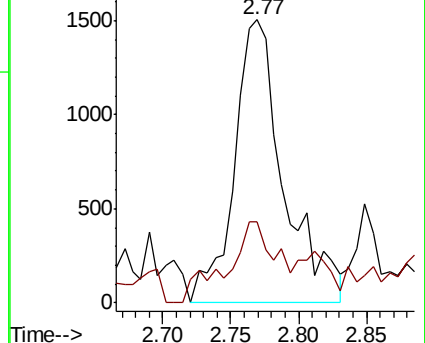
43 100

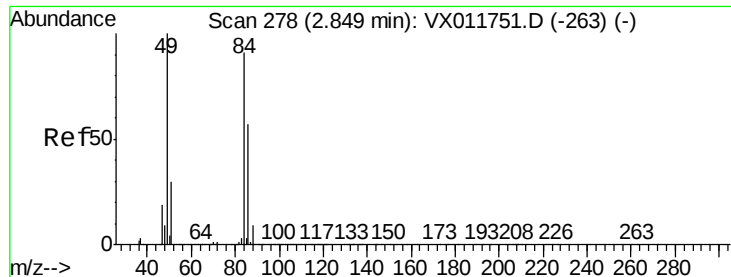
74 15.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 3.409 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX011828.D

Acq: 24 Aug 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F4-(2.5)

Tgt Ion: 84 Resp: 13694

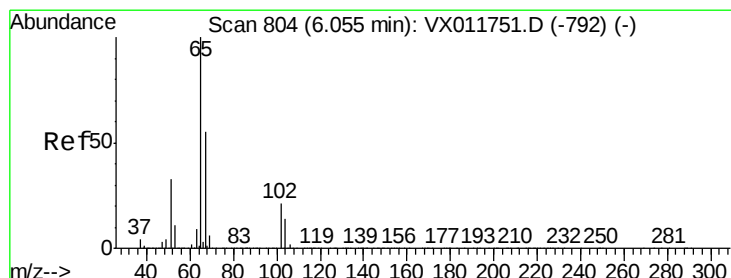
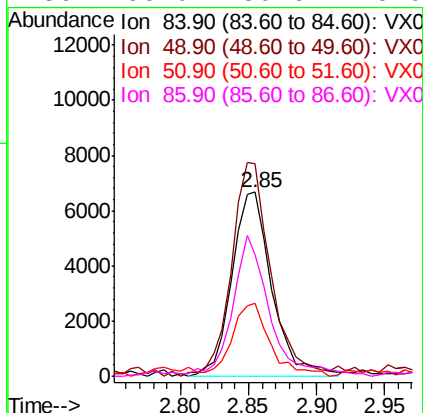
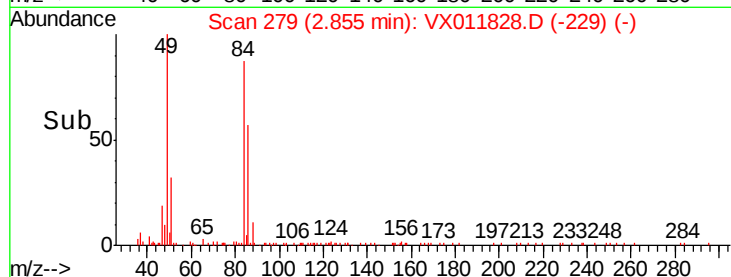
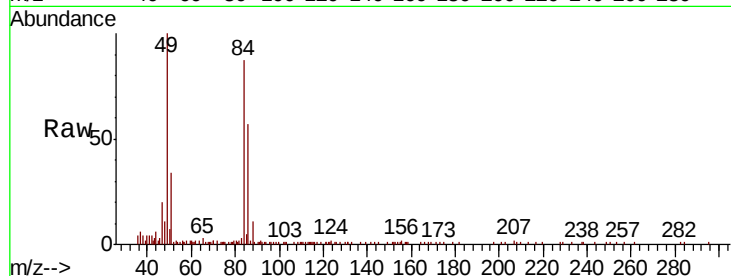
Ion Ratio Lower Upper

84 100

49 113.6 88.3 132.5

51 39.5 26.2 39.2#

86 66.0 50.6 76.0



#33

1,2-Dichloroethane-d4

Concen: 44.650 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011828.D

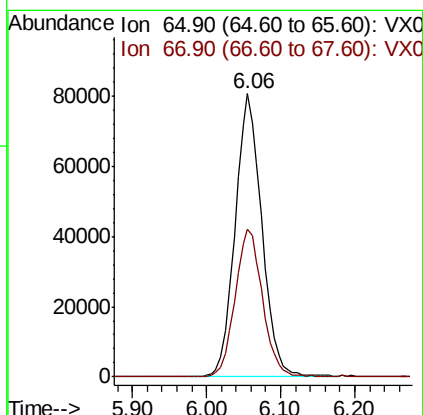
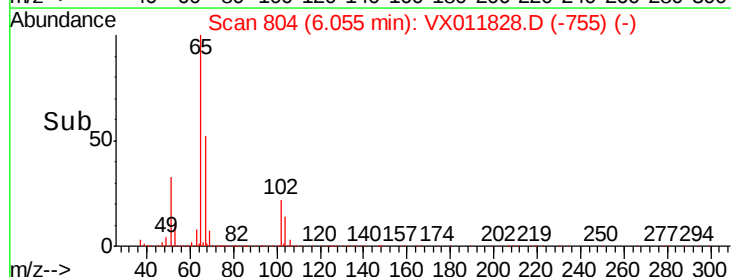
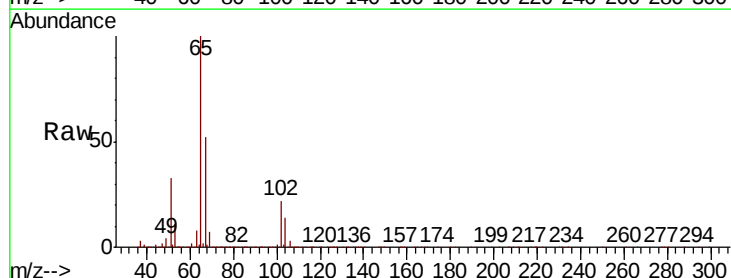
Acq: 24 Aug 2019 18:59

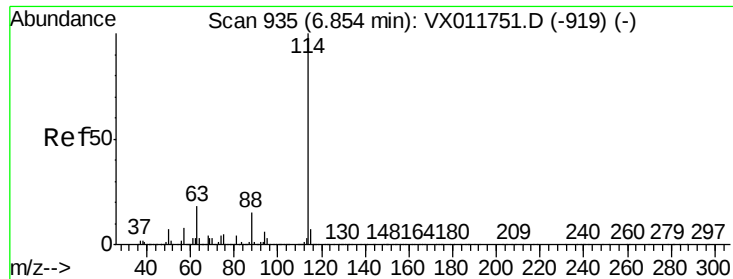
Tgt Ion: 65 Resp: 201688

Ion Ratio Lower Upper

65 100

67 54.0 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: VX011828.D

Acq: 24 Aug 2019 18:59

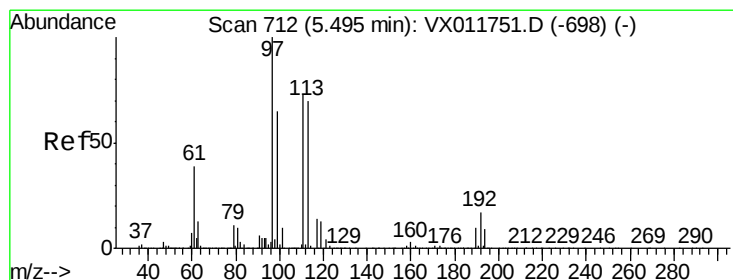
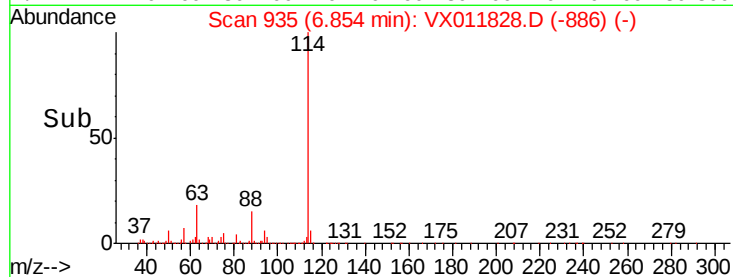
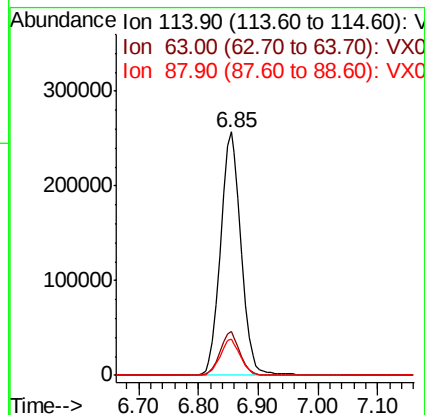
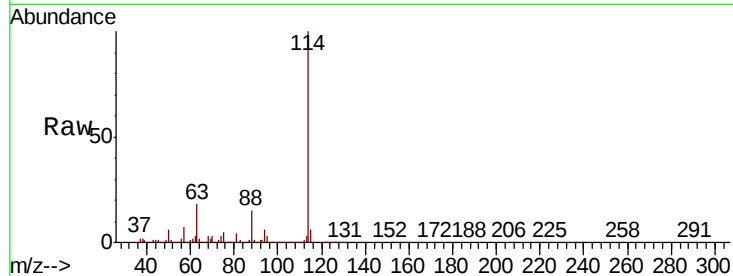
Instrument :

MSVOA_X

ClientSampleId :

T1-2-F4-(2.5)

Tgt Ion:	114	Resp:	612434
Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	36.8
88	14.8	0.0	30.2



#35

Dibromofluoromethane

Concen: 45.606 ug/l

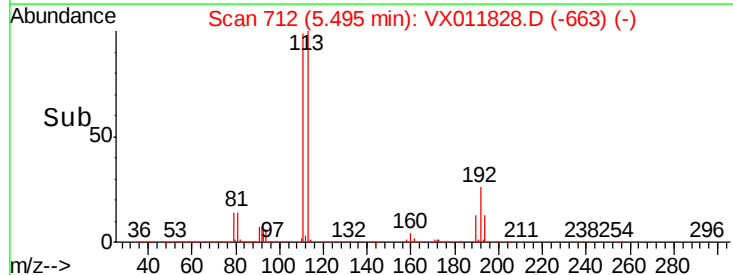
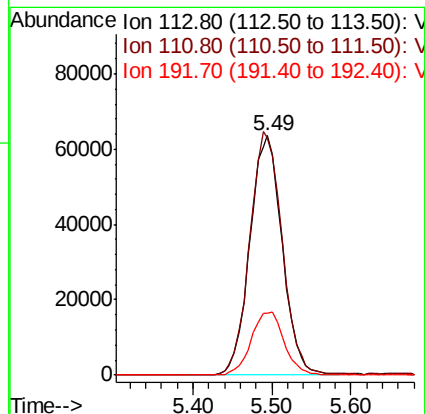
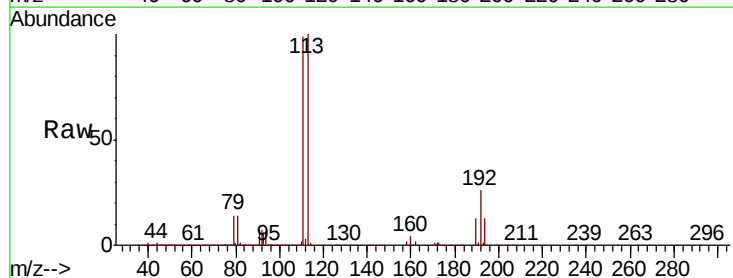
RT: 5.49 min Scan# 712

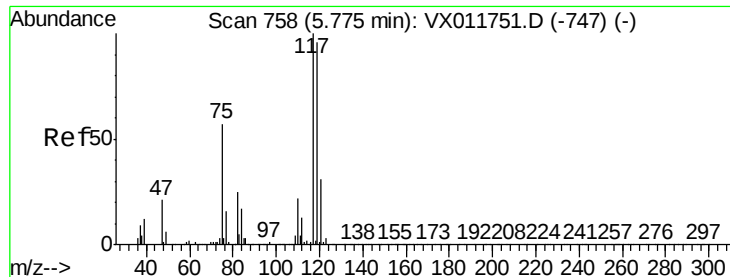
Delta R.T. -0.00 min

Lab File: VX011828.D

Acq: 24 Aug 2019 18:59

Tgt Ion:	113	Resp:	180609
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.4
192	27.0	19.9	29.9





#38

Carbon Tetrachloride

Concen: 6.804 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011828.D

Acq: 24 Aug 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F4-(2.5)

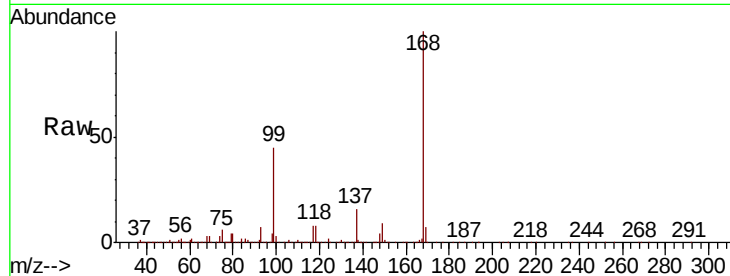
Tgt Ion:117 Resp: 37030

Ion Ratio Lower Upper

117 100

119 5.5 76.6 114.8#

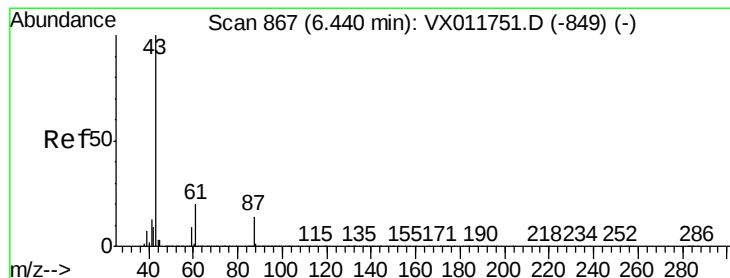
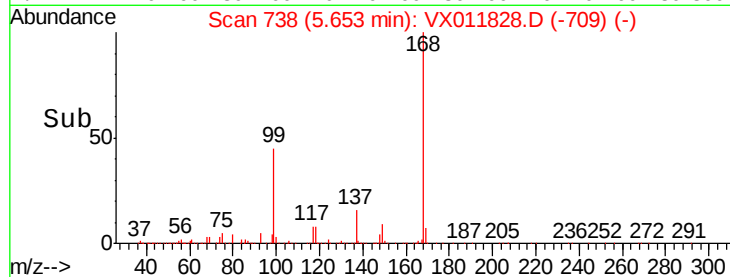
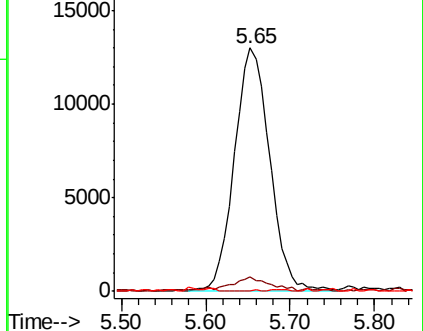
121 0.4 25.2 37.8#



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: 7.802 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011828.D

Acq: 24 Aug 2019 18:59

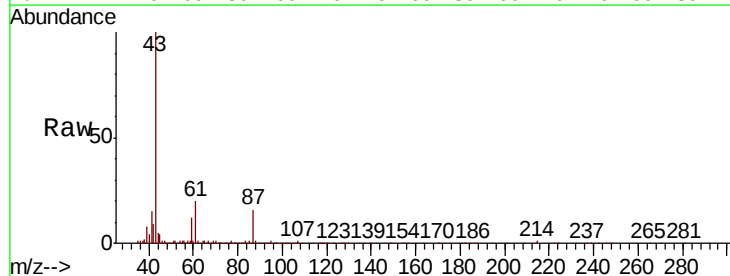
Tgt Ion: 43 Resp: 64182

Ion Ratio Lower Upper

43 100

61 21.7 16.2 24.2

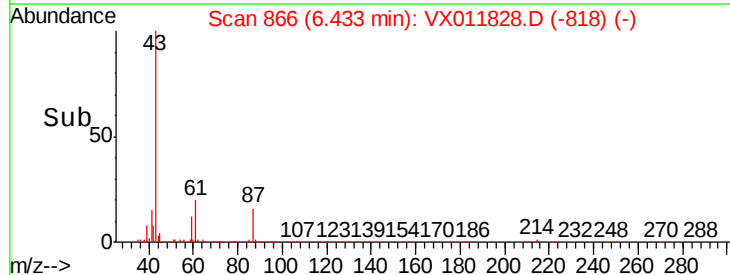
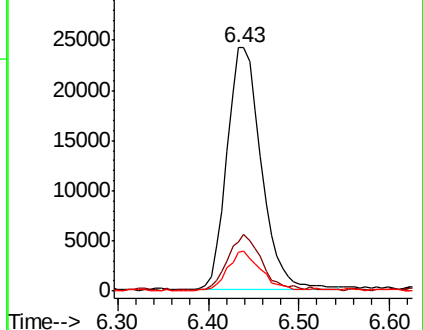
87 15.6 11.6 17.4

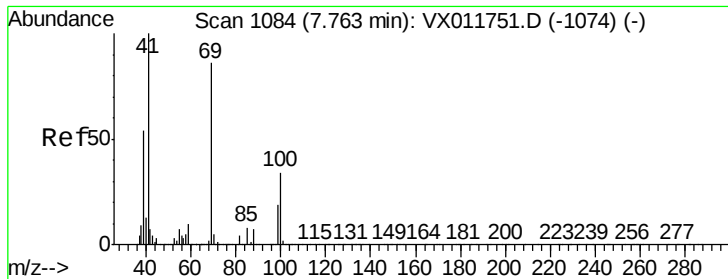


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 1.432 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX011828.D

Acq: 24 Aug 2019 18:59

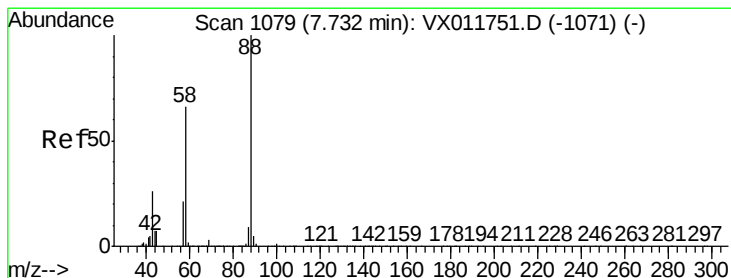
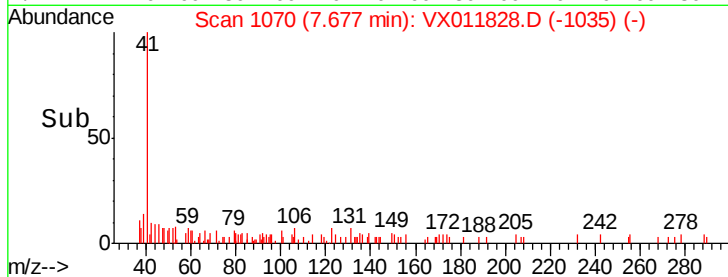
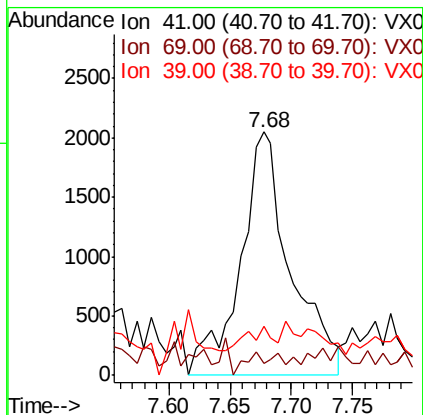
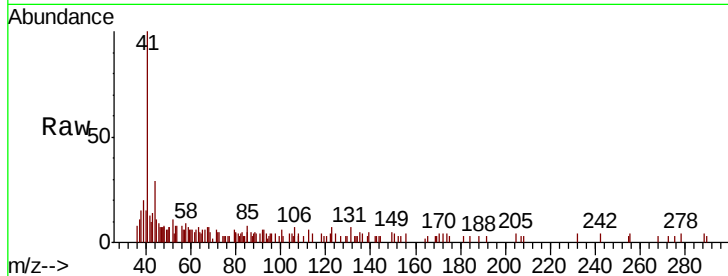
Instrument :

MSVOA_X

ClientSampled :

T1-2-F4-(2.5)

Tgt Ion:	41	Resp:	5863
Ion	Ratio	Lower	Upper
41	100		
69	0.5	69.4	104.2#
39	0.0	43.6	65.4#



#49

1,4-Dioxane

Concen: 2.231 ug/l

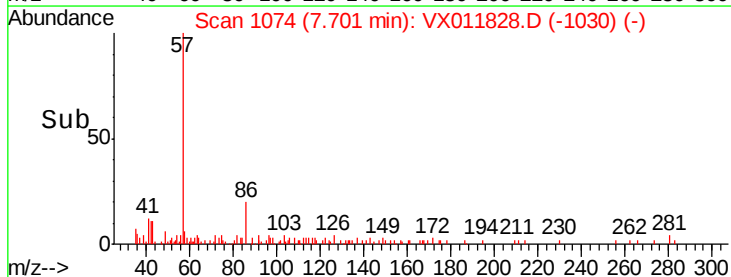
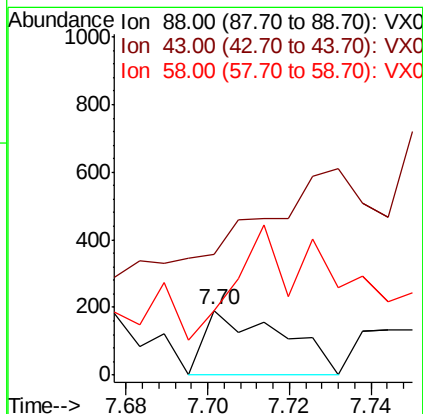
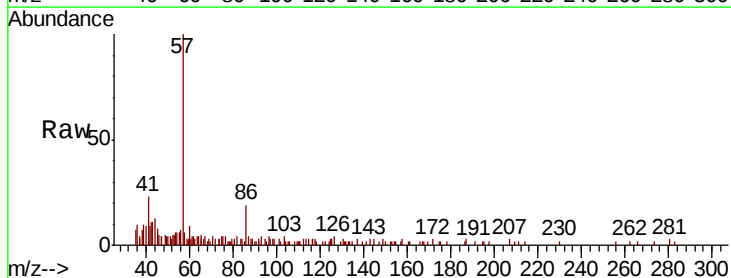
RT: 7.70 min Scan# 1074

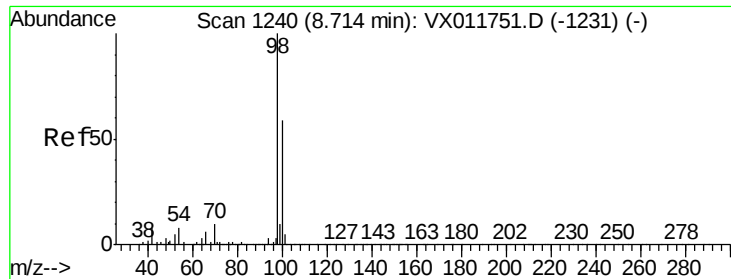
Delta R.T. -0.03 min

Lab File: VX011828.D

Acq: 24 Aug 2019 18:59

Tgt Ion:	88	Resp:	253
Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.6	37.0#
58	215.8	51.4	77.2#





#50

Toluene-d8

Concen: 51.327 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011828.D

Acq: 24 Aug 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

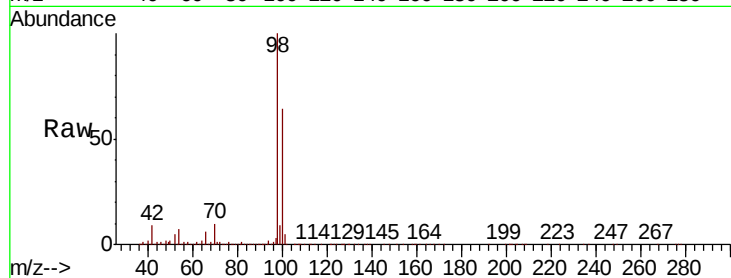
T1-2-F4-(2.5)

Tgt Ion: 98 Resp: 709000

Ion Ratio Lower Upper

98 100

100 64.5 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

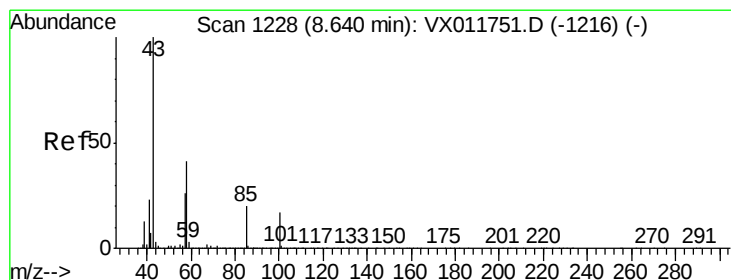
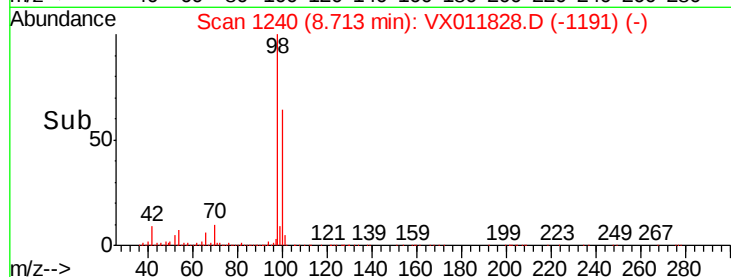
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 11.128 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011828.D

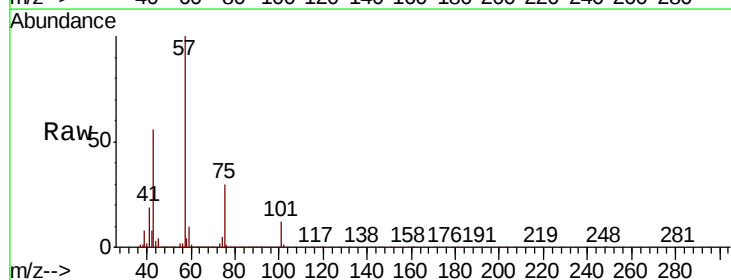
Acq: 24 Aug 2019 18:59

Tgt Ion: 43 Resp: 60316

Ion Ratio Lower Upper

43 100

58 6.6 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

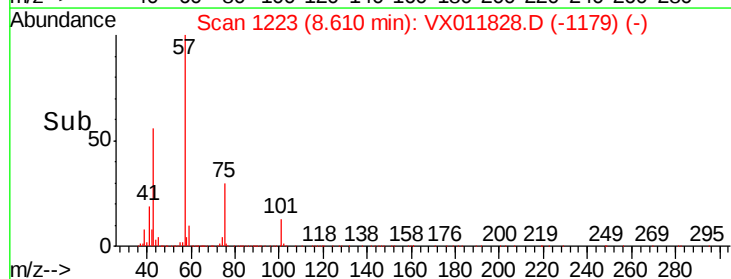
30000

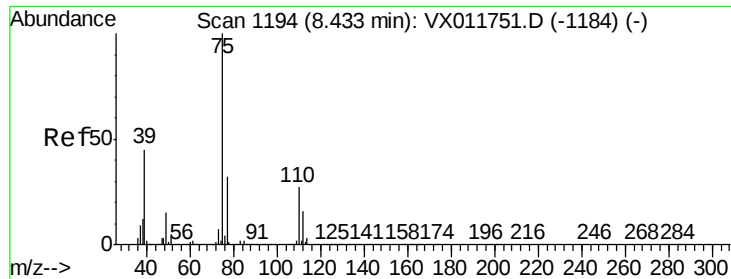
20000

10000

0

Time-->



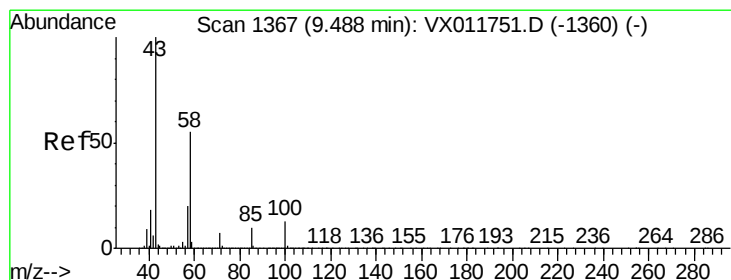
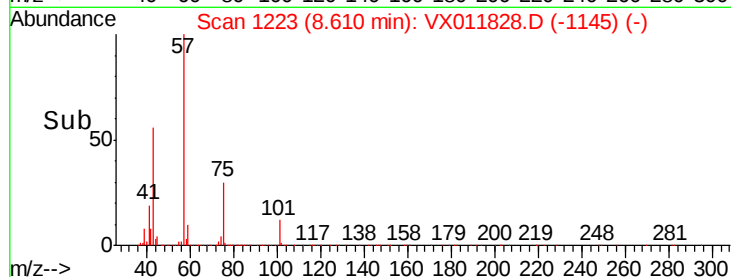
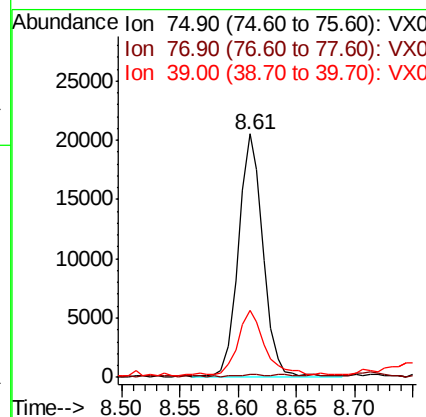
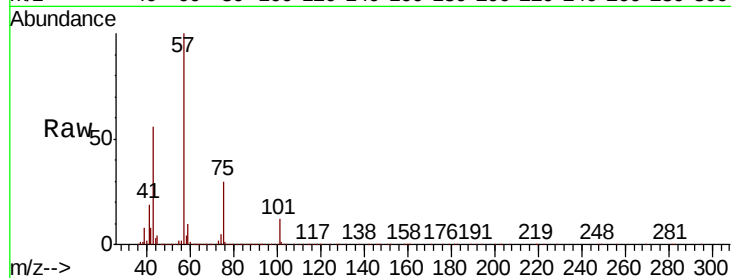


#54

cis-1,3-Dichloropropene
 Concen: 5.371 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011828.D
 Acq: 24 Aug 2019 18:59

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F4-(2.5)

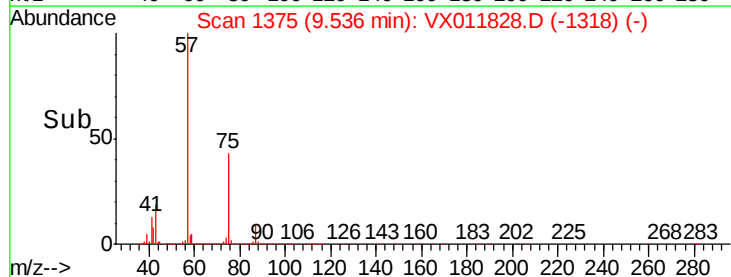
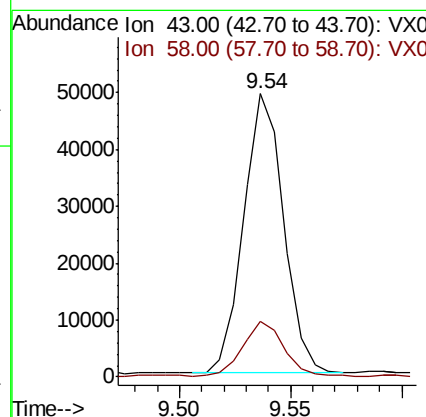
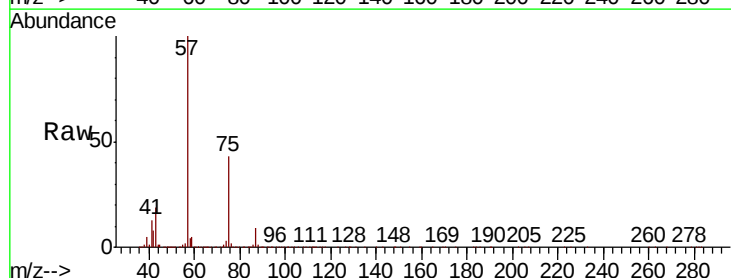
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	25.4	38.2#
39	26.1	36.2	54.4#

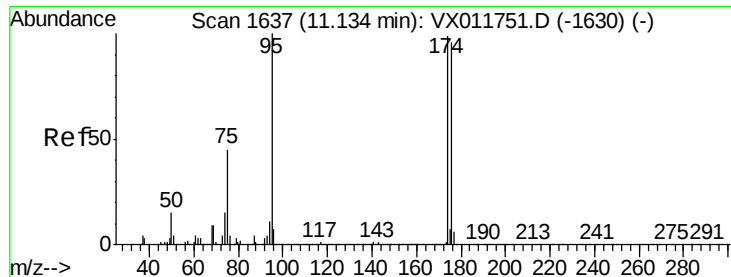


#59

2-Hexanone
 Concen: 14.788 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011828.D
 Acq: 24 Aug 2019 18:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	20.6	27.7	83.1#





#62

4-Bromofluorobenzene

Concen: 47.264 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011828.D

Acq: 24 Aug 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F4-(2.5)

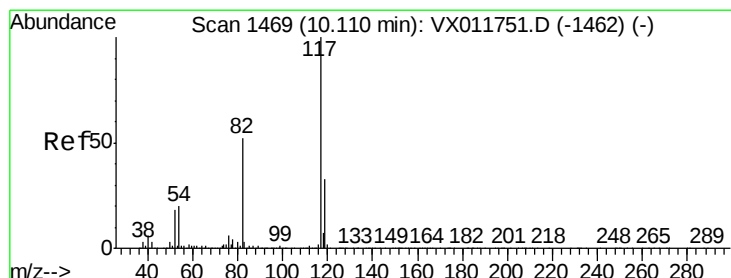
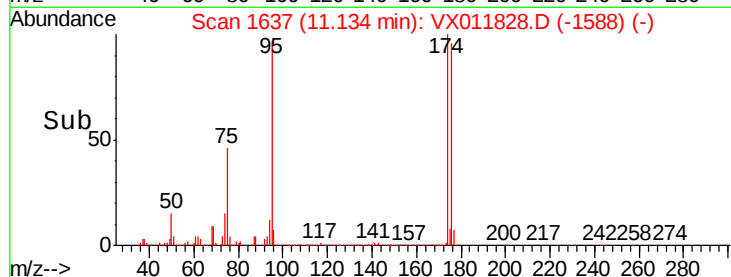
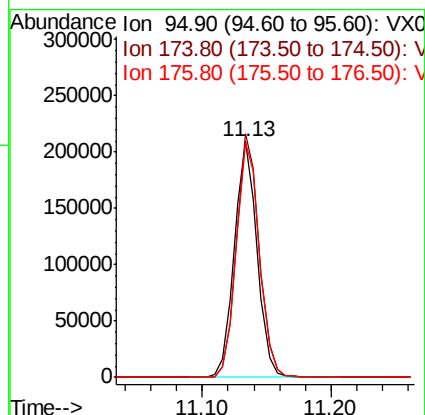
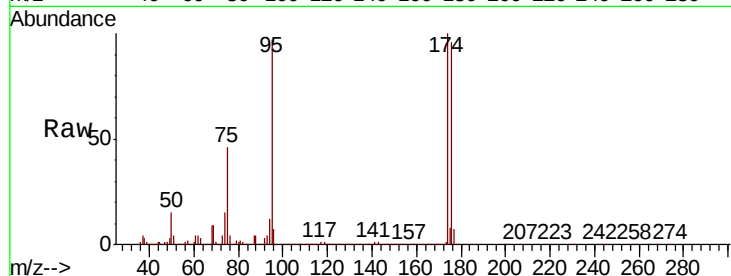
Tgt Ion: 95 Resp: 258055

Ion Ratio Lower Upper

95 100

174 103.9 0.0 197.4

176 101.5 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: VX011828.D

Acq: 24 Aug 2019 18:59

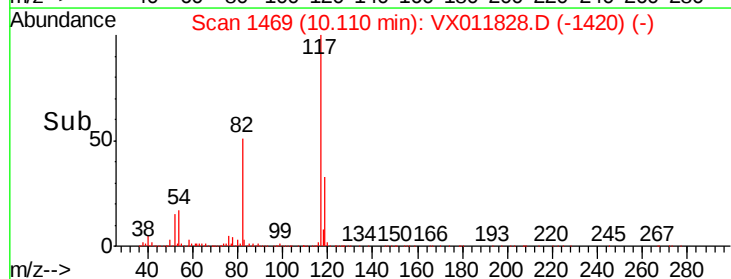
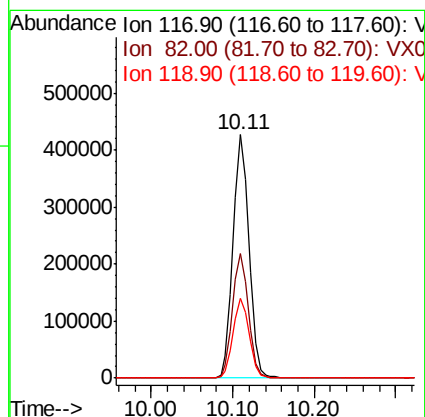
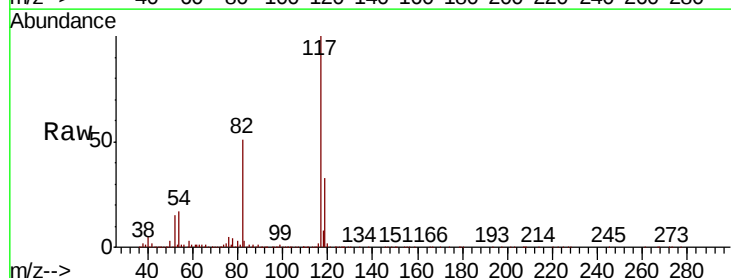
Tgt Ion: 117 Resp: 572226

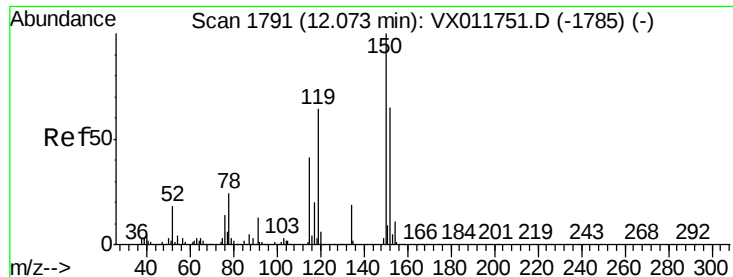
Ion Ratio Lower Upper

117 100

82 51.1 41.7 62.5

119 32.6 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: VX011828.D

Acq: 24 Aug 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F4-(2.5)

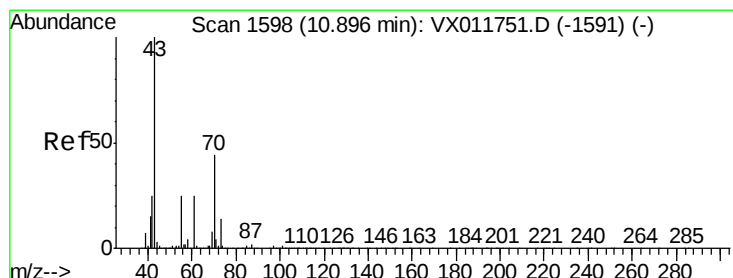
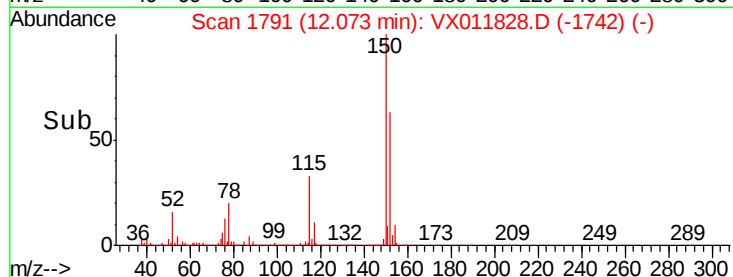
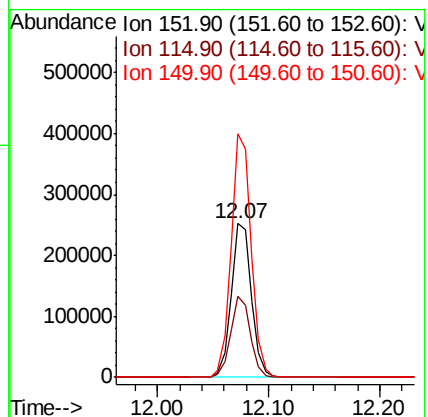
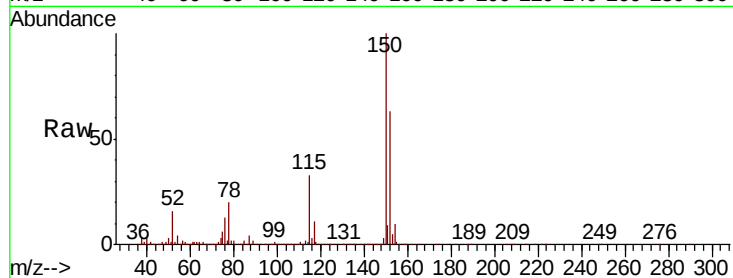
Tgt Ion:152 Resp: 313799

Ion Ratio Lower Upper

152 100

115 51.7 37.3 111.8

150 157.2 0.0 343.0



#74

N-ethyl acetate

Concen: 0.325 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011828.D

Acq: 24 Aug 2019 18:59

Tgt Ion: 43 Resp: 2382

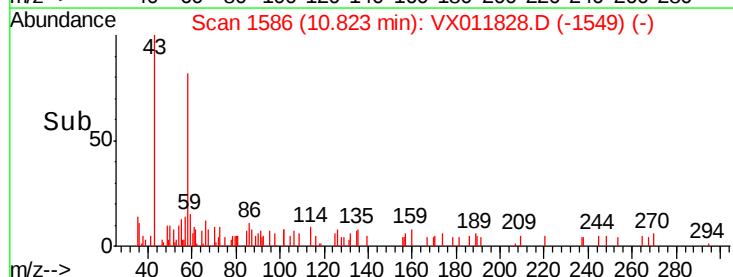
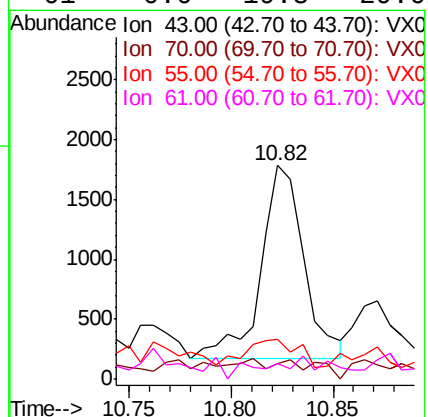
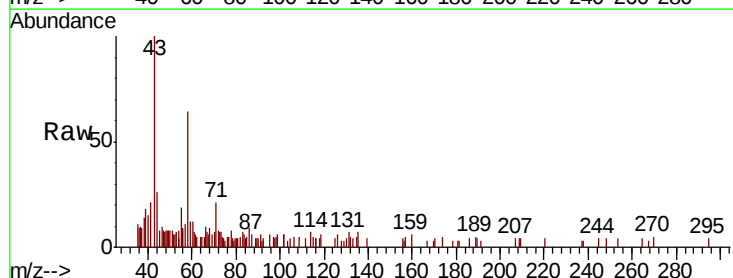
Ion Ratio Lower Upper

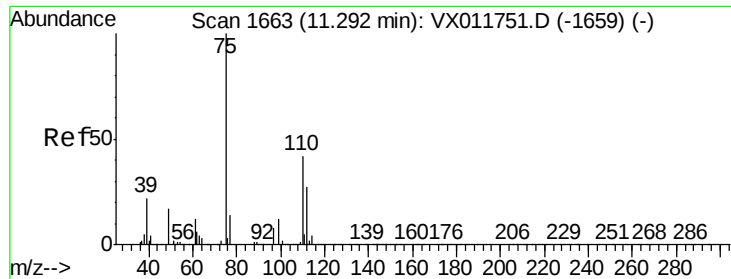
43 100

70 0.0 34.8 52.2#

55 19.6 19.5 29.3

61 0.0 19.8 29.6#

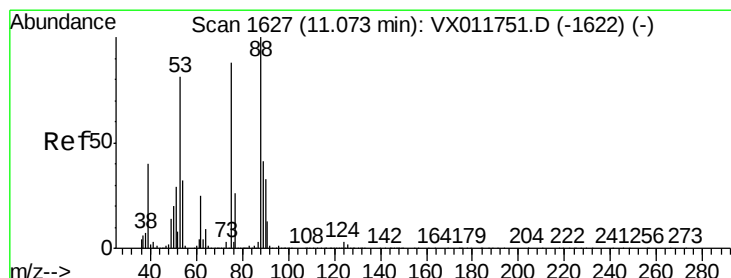
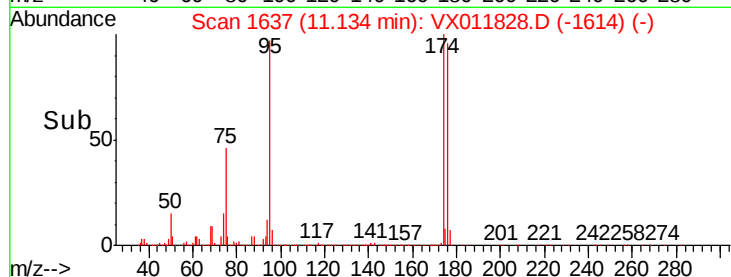
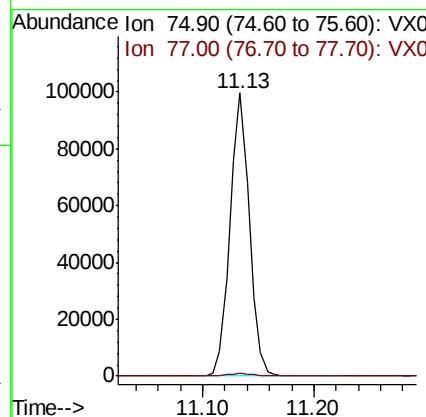
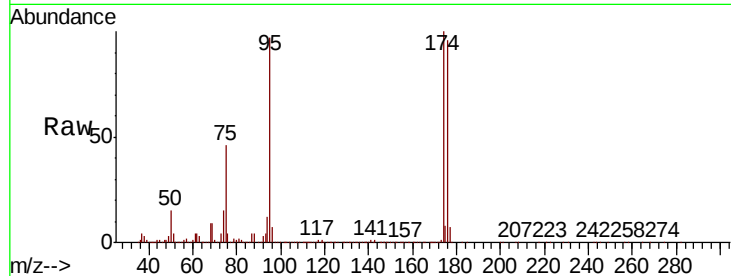




#76
 1,2,3-Trichloropropane
 Concen: 21.726 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011828.D
 Acq: 24 Aug 2019 18:59

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F4-(2.5)

Tgt Ion: 75 Resp: 119626
 Ion Ratio Lower Upper
 75 100
 77 1.5 21.1 63.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.520 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011828.D
 Acq: 24 Aug 2019 18:59

Tgt Ion: 75 Resp: 119626
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.1 115.7#
 89 0.1 38.5 57.7#

