

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
 Data File : VX011780.D
 Acq On : 22 Aug 2019 22:24
 Operator : JC/SP
 Sample : K4403-25
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H1-(2.5)

Quant Time: Aug 23 02:07:18 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	451706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	624005	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	572211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	280087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	209272	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	5.49	113	189371	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
50) Toluene-d8	8.71	98	721026	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.13	95	249040	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	

Target Compounds

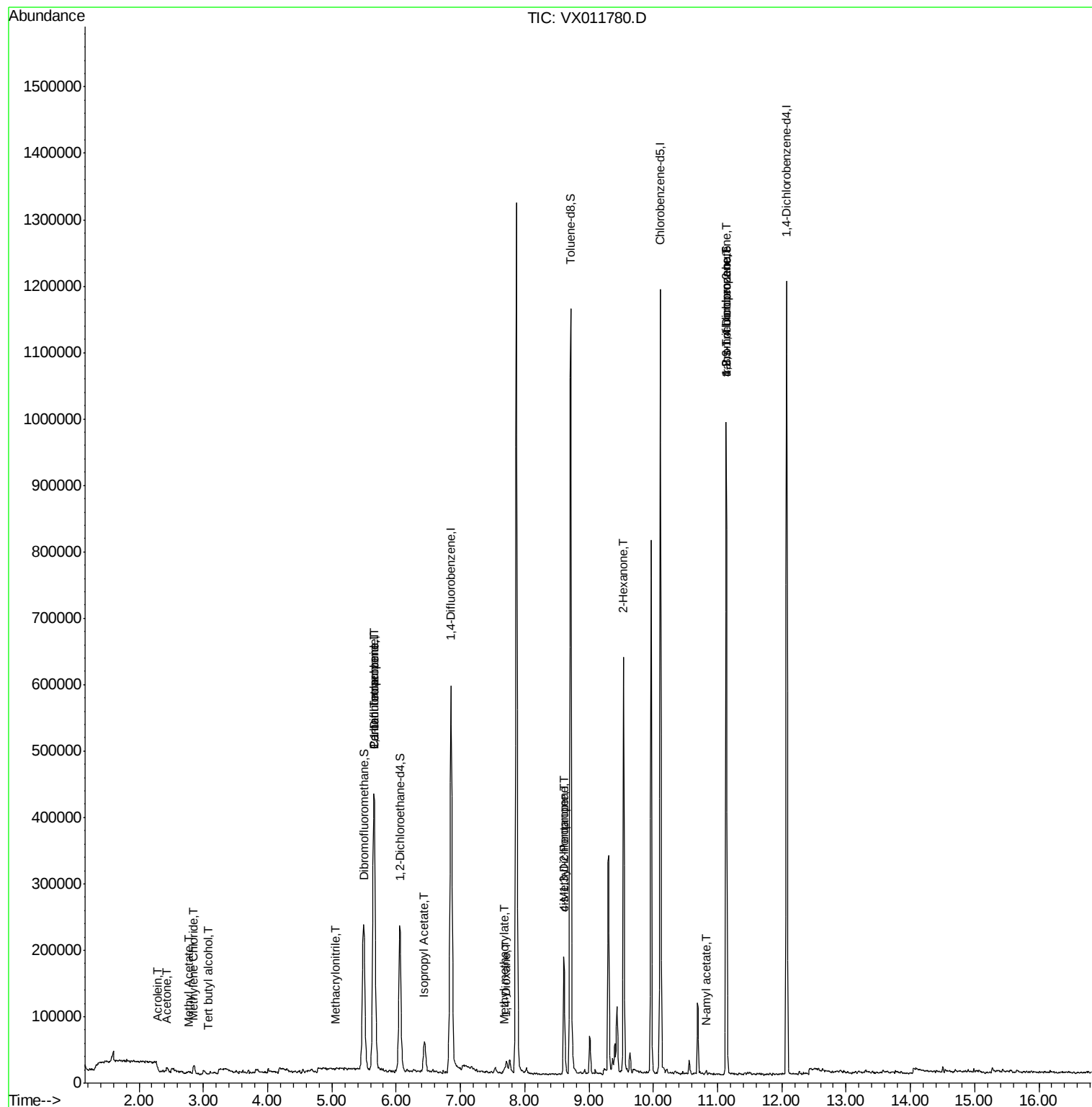
						Qvalue
11) Tert butyl alcohol	3.08	59	339	0.378	ug/l #	39
13) Acrolein	2.29	56	362	1.044	ug/l #	44
16) Acetone	2.43	43	8535	4.324	ug/l	97
18) Methyl Acetate	2.77	43	4184	0.781	ug/l	99
20) Methylene Chloride	2.85	84	8073	2.000	ug/l	93
36) 1,1-Dichloropropene	5.65	75	25662	5.244	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37568	6.774	ug/l #	18
41) Methacrylonitrile	5.05	41	758	0.252	ug/l #	31
43) Isopropyl Acetate	6.43	43	66704	7.959	ug/l	99
48) Methyl methacrylate	7.68	41	4603	1.104	ug/l #	16
49) 1,4-Dioxane	7.72	88	156	1.350	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	58285	10.554	ug/l #	54
54) cis-1,3-Dichloropropene	8.61	75	30179	5.219	ug/l #	60
59) 2-Hexanone	9.54	43	73275	17.287	ug/l #	52
74) N-amyl acetate	10.82	43	2945	0.451	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	110508	22.485	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	110508	67.811	ug/l #	11

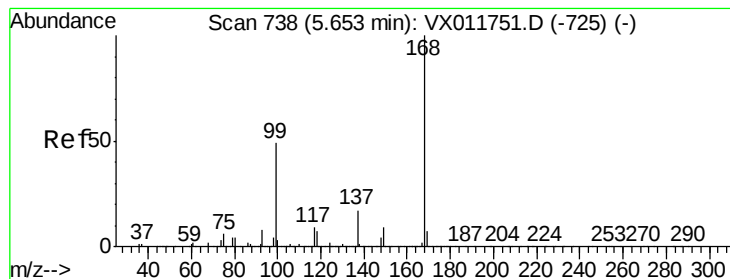
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011780.D

Acq: 22 Aug 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

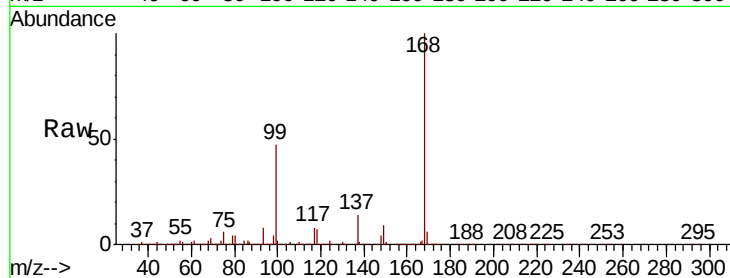
T1-H1-(2.5)

Tgt Ion:168 Resp: 451706

Ion Ratio Lower Upper

168 100

99 46.4 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

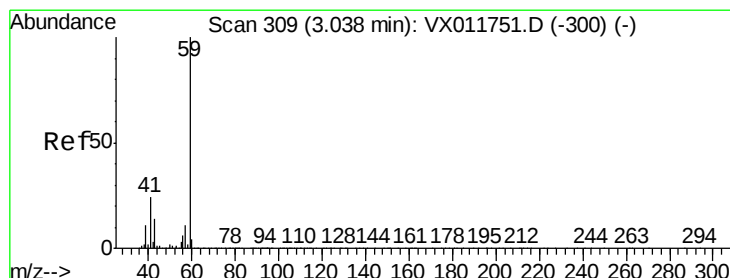
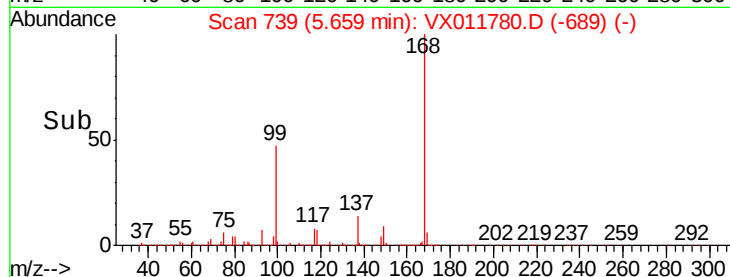
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.378 ug/l

RT: 3.08 min Scan# 316

Delta R.T. 0.04 min

Lab File: VX011780.D

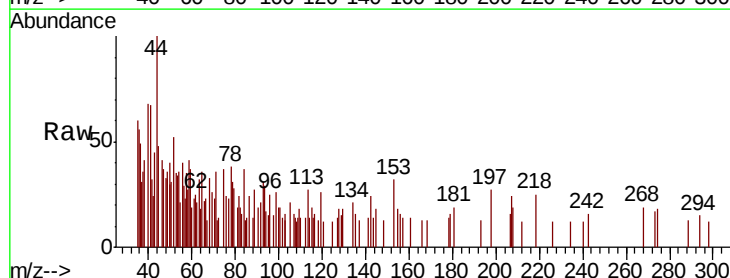
Acq: 22 Aug 2019 22:24

Tgt Ion: 59 Resp: 339

Ion Ratio Lower Upper

59 100

57 33.3 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

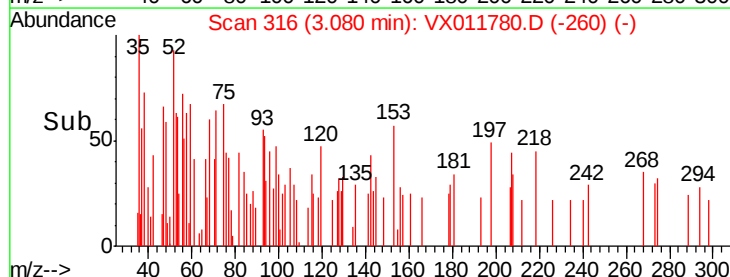
300

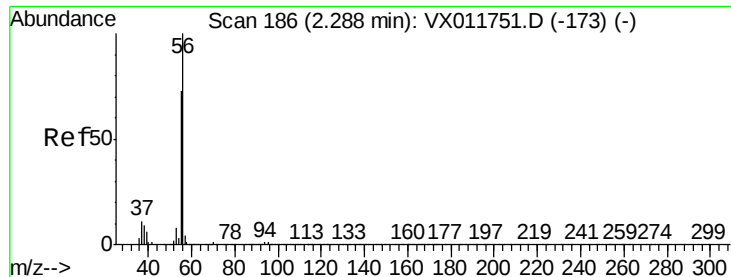
200

100

0

Time-->





#13

Acrolein

Concen: 1.044 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011780.D

Acq: 22 Aug 2019 22:24

Instrument :

MSVOA_X

ClientSampled :

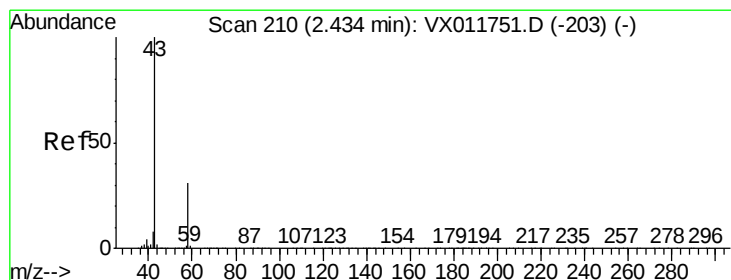
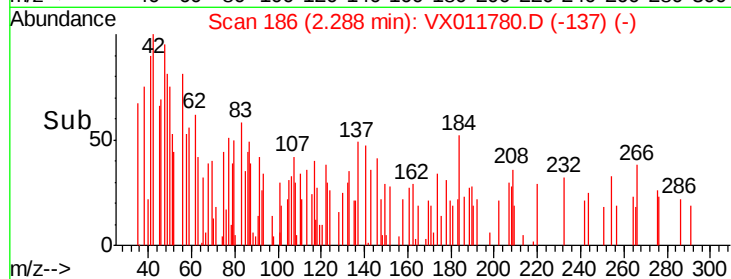
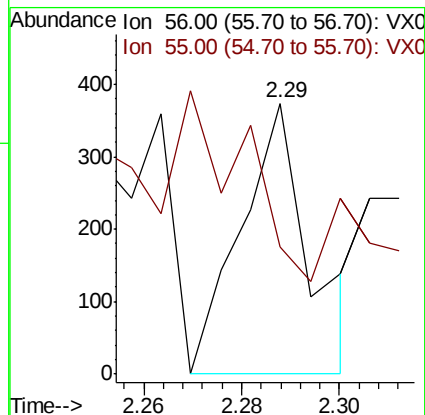
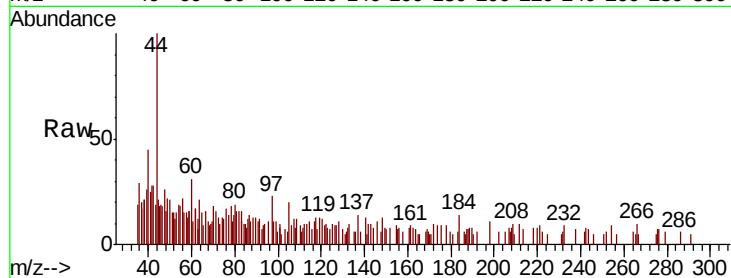
T1-H1-(2.5)

Tgt Ion: 56 Resp: 362

Ion Ratio Lower Upper

56 100

55 23.2 54.8 82.2#



#16

Acetone

Concen: 4.324 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011780.D

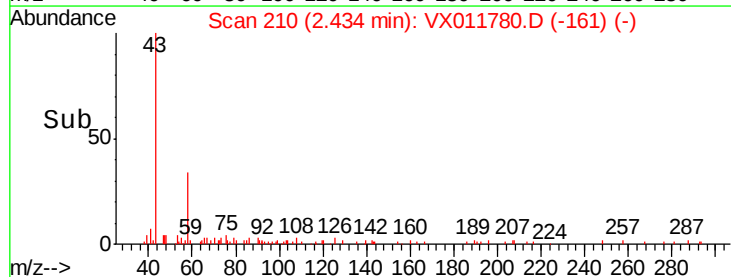
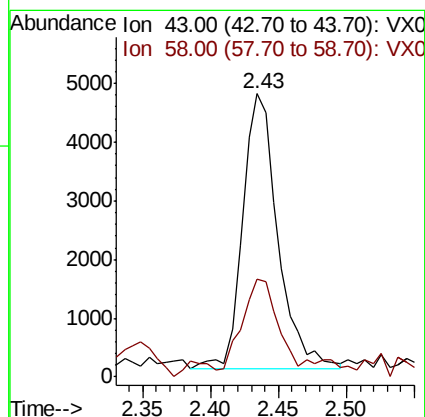
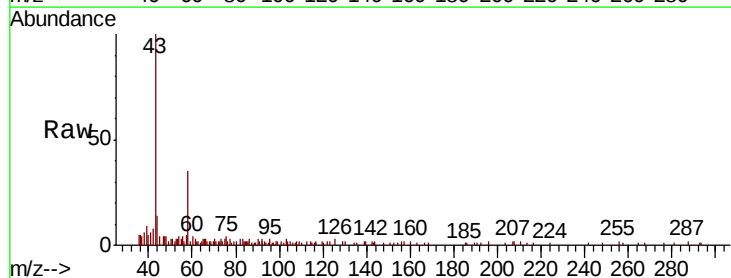
Acq: 22 Aug 2019 22:24

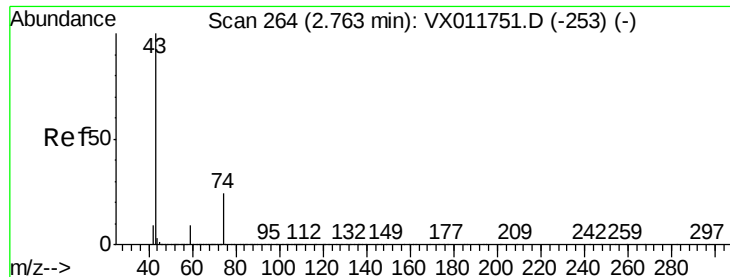
Tgt Ion: 43 Resp: 8535

Ion Ratio Lower Upper

43 100

58 32.1 24.4 36.6

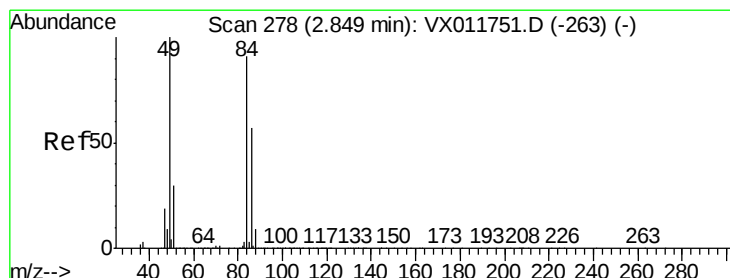
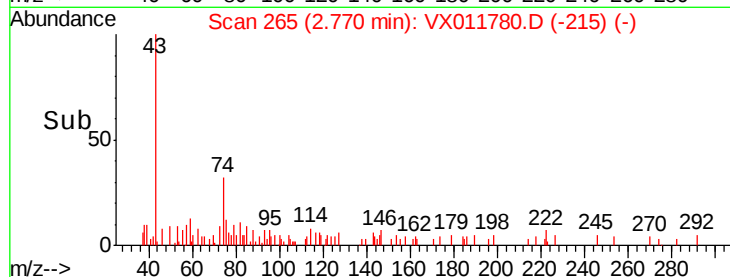
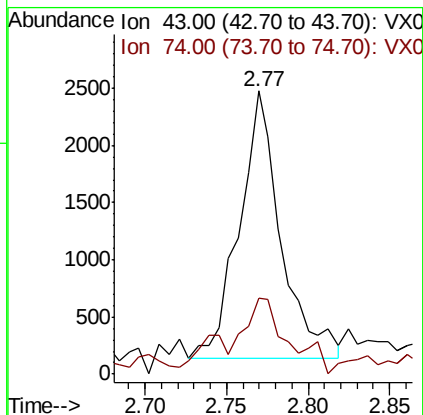
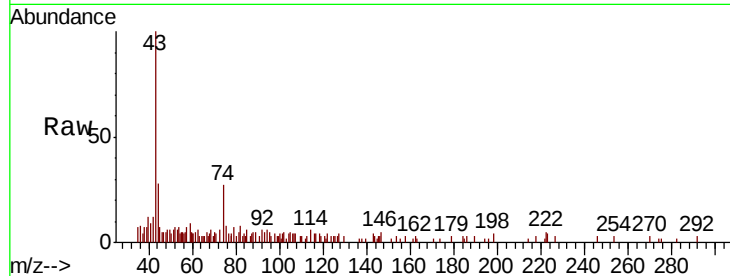




#18
Methyl Acetate
Concen: 0.781 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011780.D
Acq: 22 Aug 2019 22:24

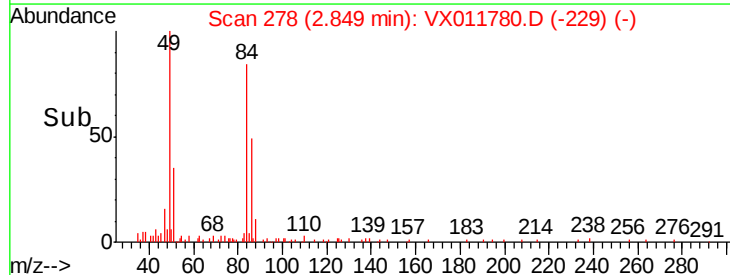
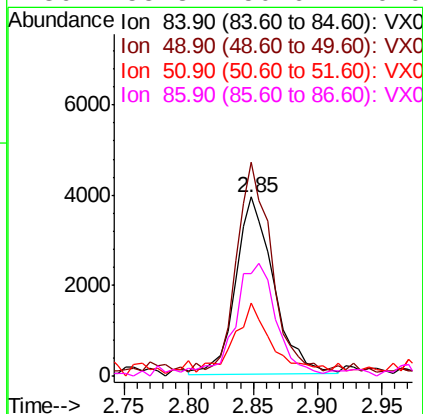
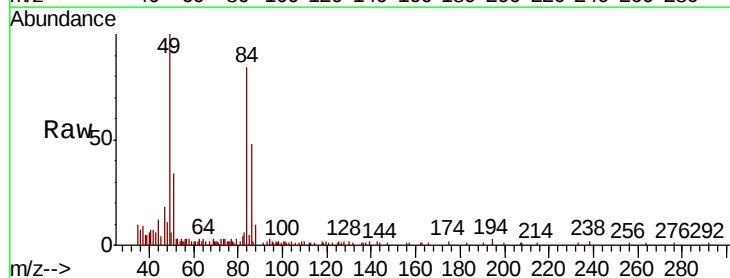
Instrument :
MSVOA_X
ClientSampled :
T1-H1-(2.5)

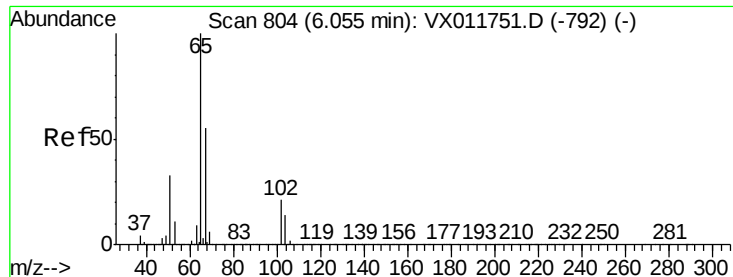
Tgt Ion: 43 Resp: 4184
Ion Ratio Lower Upper
43 100
74 24.0 19.5 29.3



#20
Methylene Chloride
Concen: 2.000 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011780.D
Acq: 22 Aug 2019 22:24

Tgt Ion: 84 Resp: 8073
Ion Ratio Lower Upper
84 100
49 116.3 88.3 132.5
51 34.1 26.2 39.2
86 55.3 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 46.119 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011780.D

Acq: 22 Aug 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

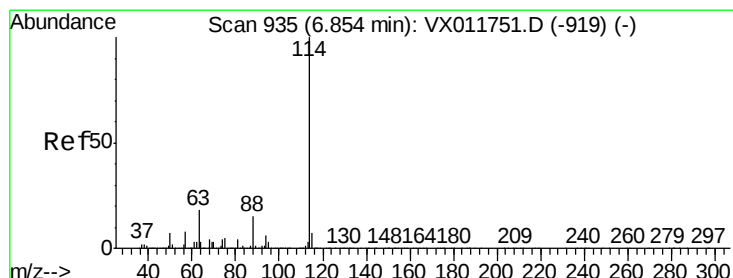
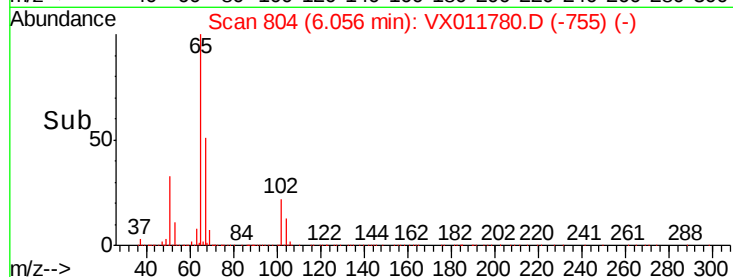
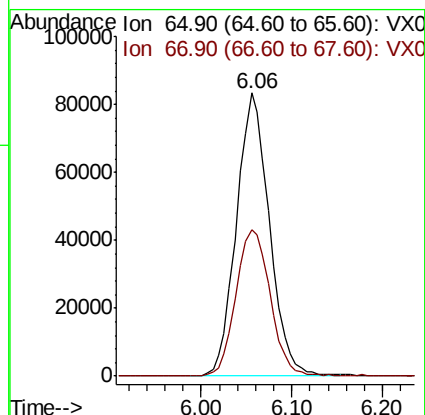
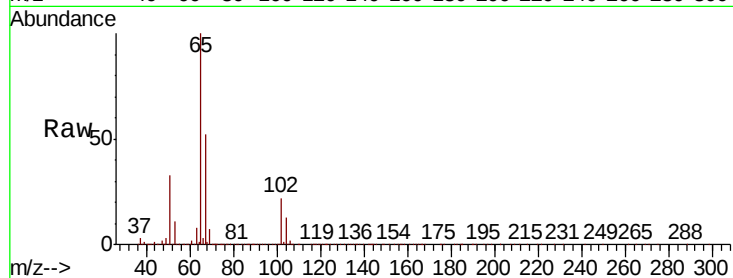
T1-H1-(2.5)

Tgt Ion: 65 Resp: 209272

Ion Ratio Lower Upper

65 100

67 53.8 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: VX011780.D

Acq: 22 Aug 2019 22:24

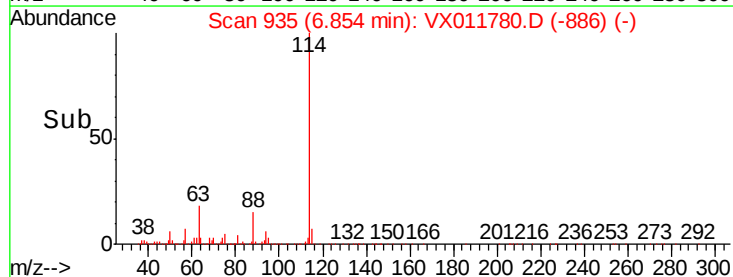
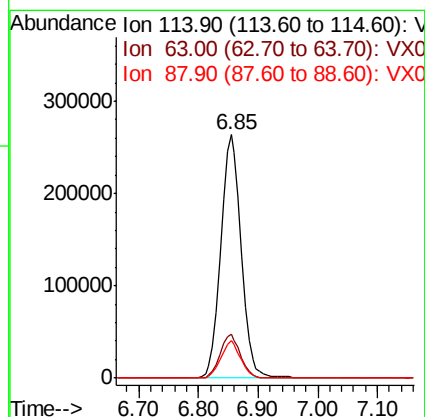
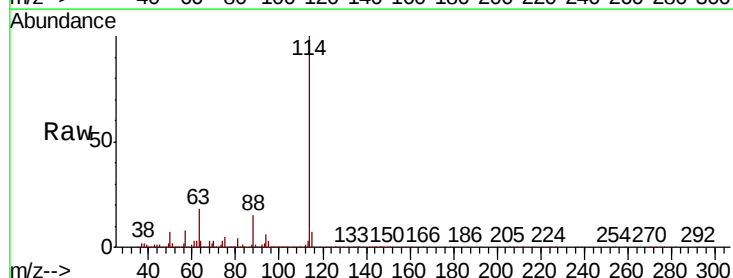
Tgt Ion: 114 Resp: 624005

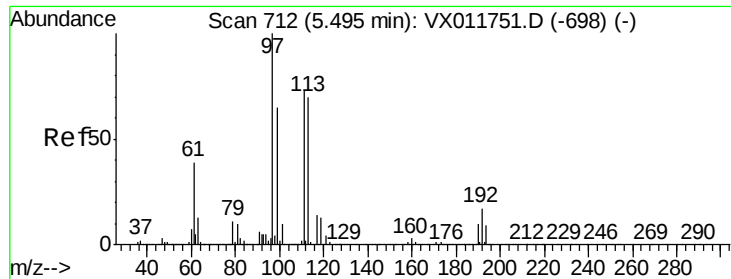
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.3 0.0 30.2

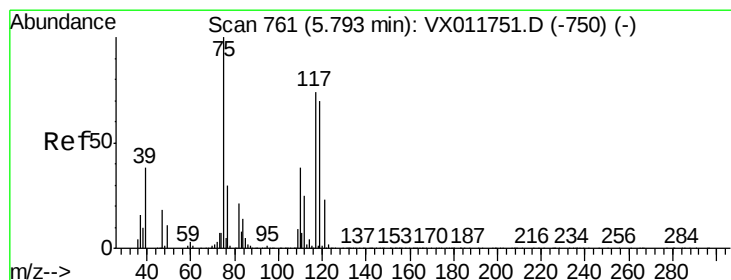
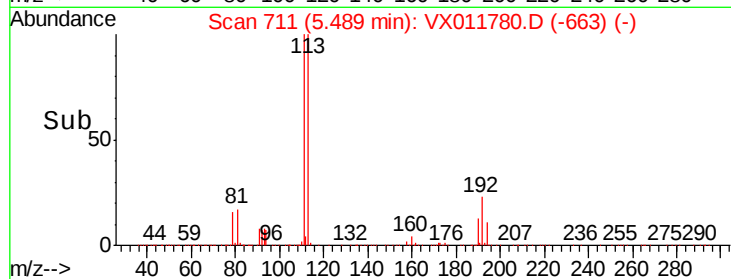
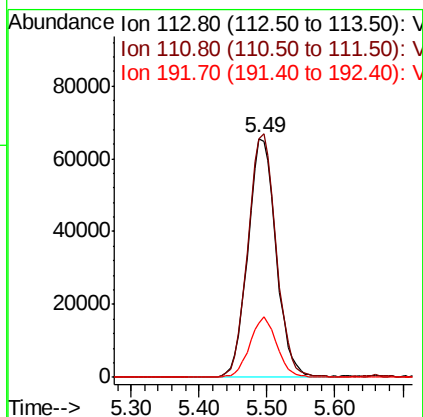
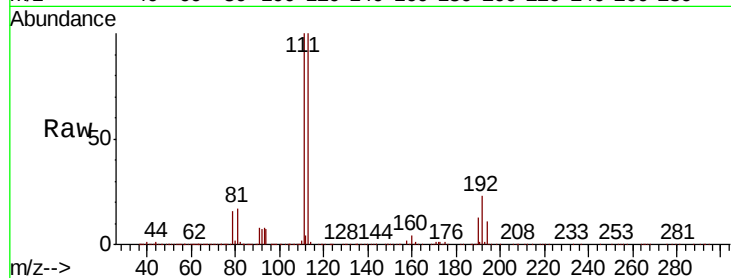




#35
 Dibromofluoromethane
 Concen: 46.931 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011780.D
 Acq: 22 Aug 2019 22:24

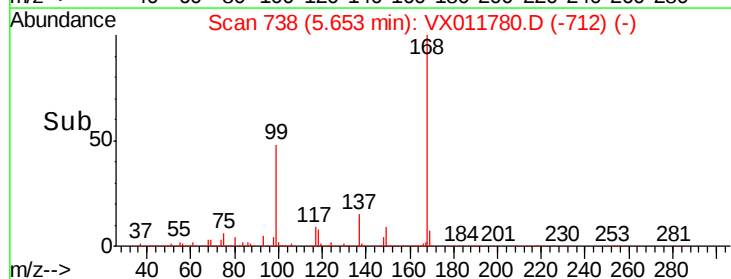
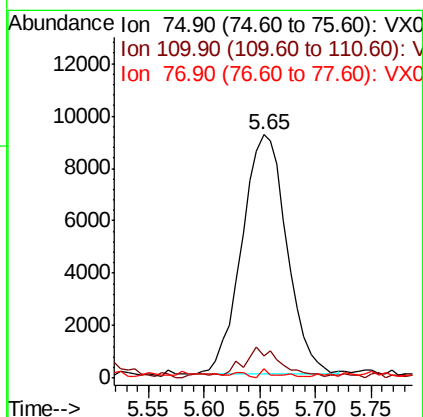
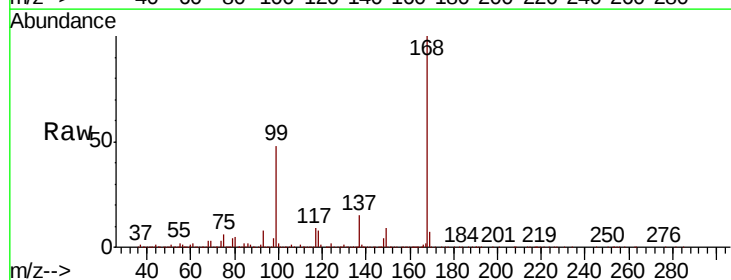
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H1-(2.5)

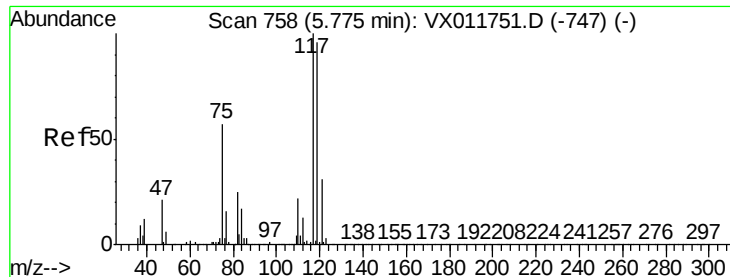
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.0	121.4
192	24.3	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.244 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011780.D
 Acq: 22 Aug 2019 22:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	19.0	57.0#
77	1.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.774 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011780.D

Acq: 22 Aug 2019 22:24

Instrument :

MSVOA_X

ClientSampled :

T1-H1-(2.5)

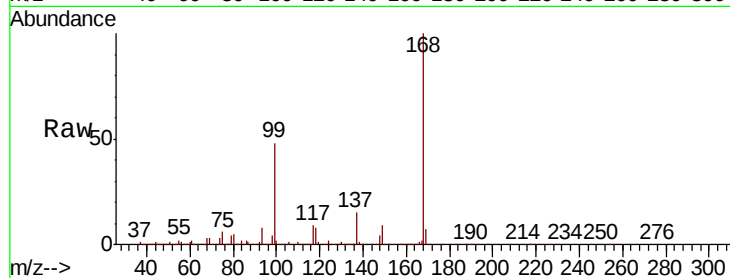
Tgt Ion:117 Resp: 37568

Ion Ratio Lower Upper

117 100

119 6.8 76.6 114.8#

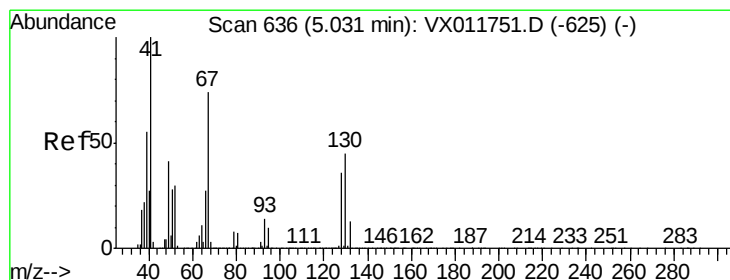
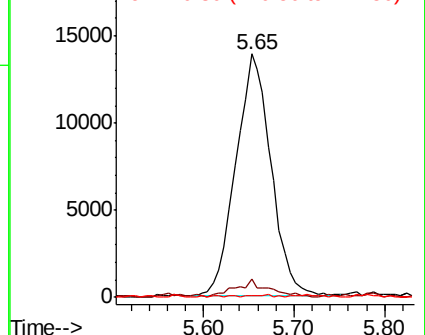
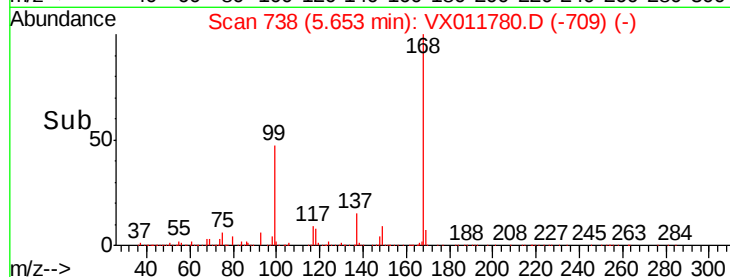
121 0.7 25.2 37.8#



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



#41

Methacrylonitrile

Concen: 0.252 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.02 min

Lab File: VX011780.D

Acq: 22 Aug 2019 22:24

Tgt Ion: 41 Resp: 758

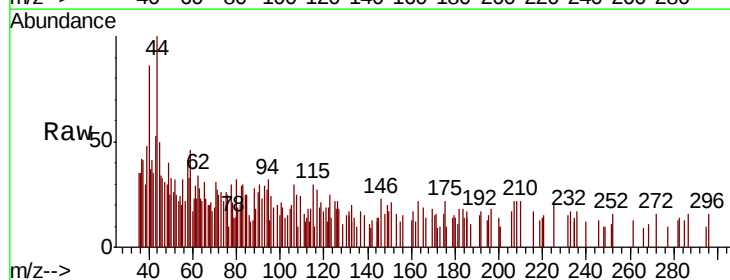
Ion Ratio Lower Upper

41 100

39 0.0 44.3 66.5#

67 0.0 60.3 90.5#

52 33.4 24.0 36.0

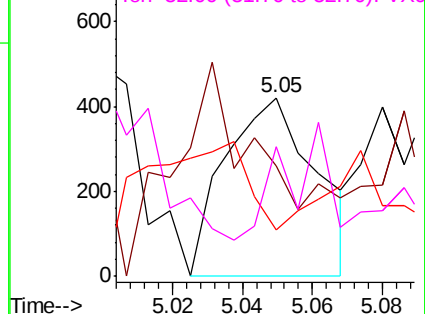
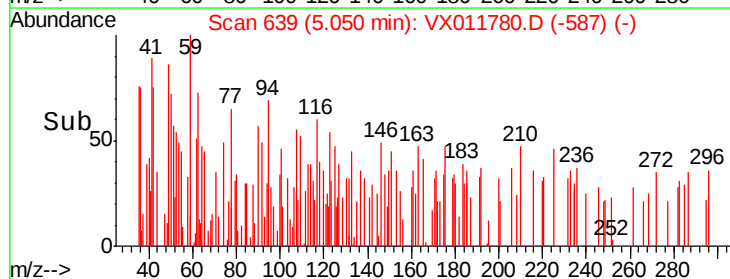


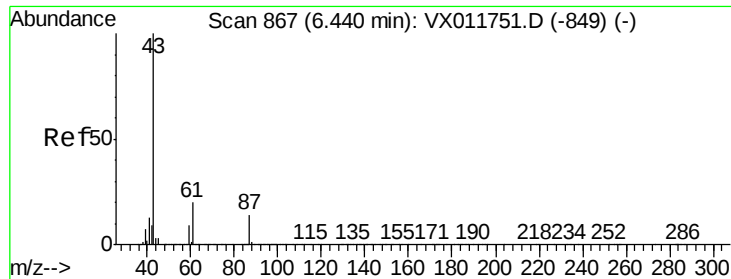
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

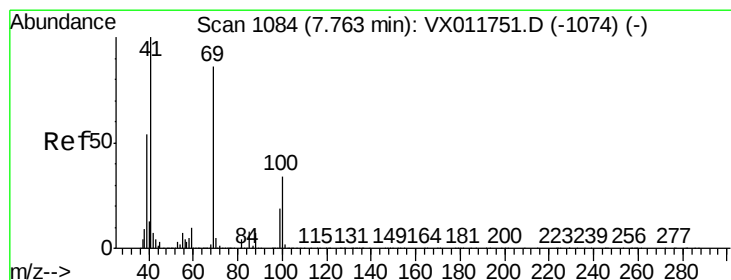
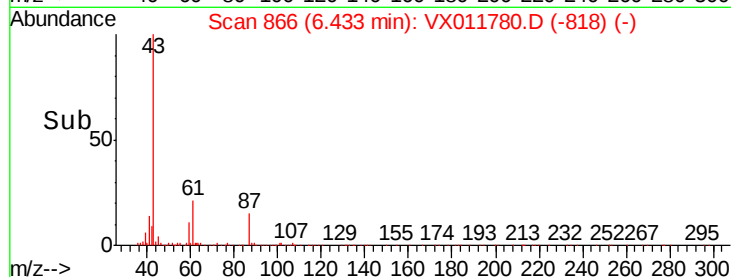
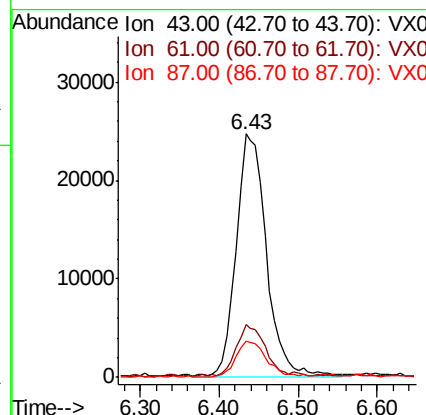
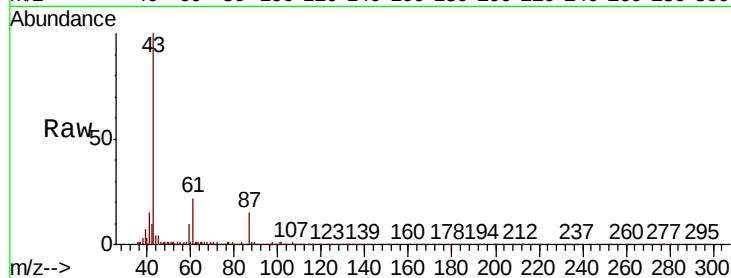




#43
Isopropyl Acetate
Concen: 7.959 ug/l
RT: 6.43 min Scan# 866
Delta R.T. -0.01 min
Lab File: VX011780.D
Acq: 22 Aug 2019 22:24

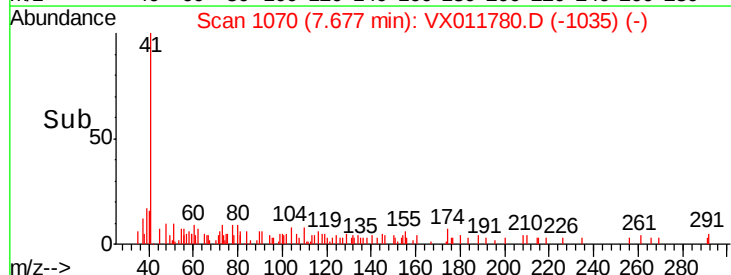
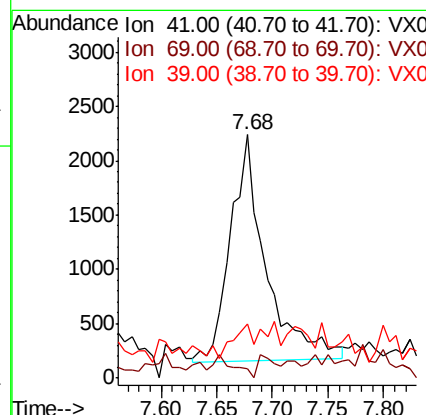
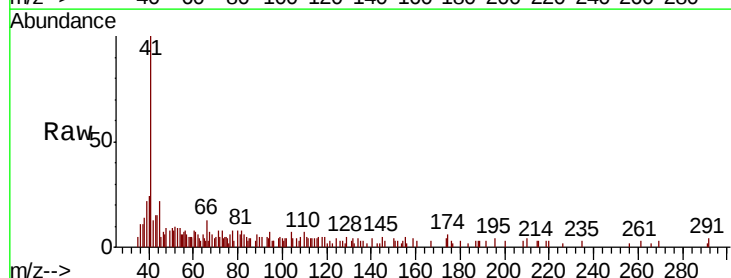
Instrument :
MSVOA_X
ClientSampleId :
T1-H1-(2.5)

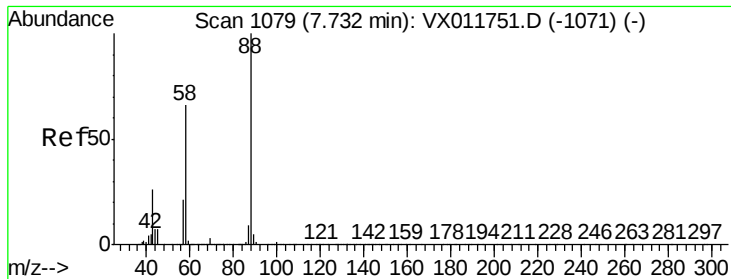
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.2	24.2
87	14.9	11.6	17.4



#48
Methyl methacrylate
Concen: 1.104 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011780.D
Acq: 22 Aug 2019 22:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	5.1	69.4	104.2#
39	0.0	43.6	65.4#





#49

1,4-Dioxane

Concen: 1.350 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX011780.D

Acq: 22 Aug 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

T1-H1-(2.5)

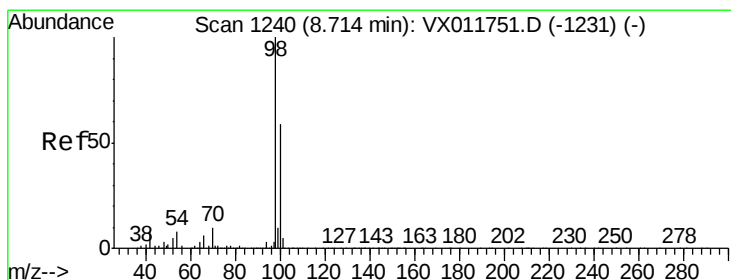
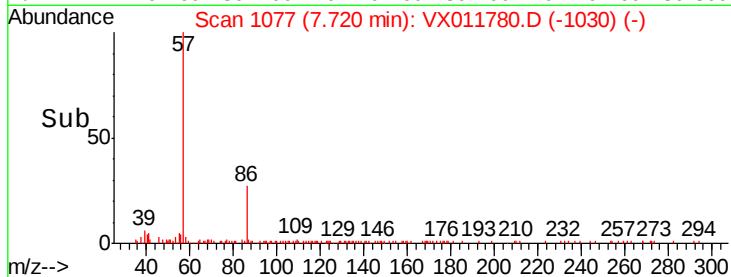
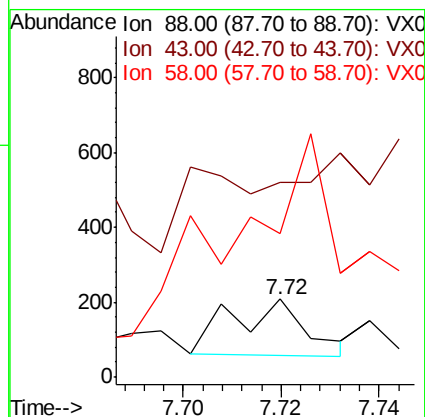
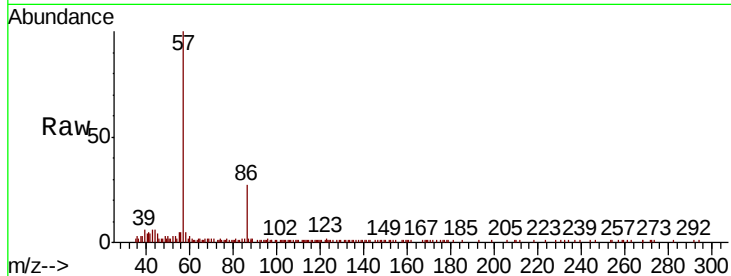
Tgt Ion: 88 Resp: 156

Ion Ratio Lower Upper

88 100

43 0.0 24.6 37.0#

58 564.7 51.4 77.2#



#50

Toluene-d8

Concen: 51.230 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011780.D

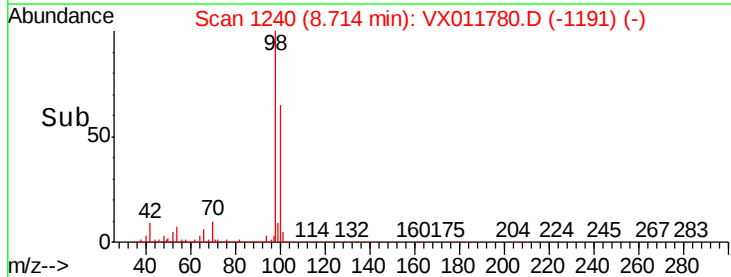
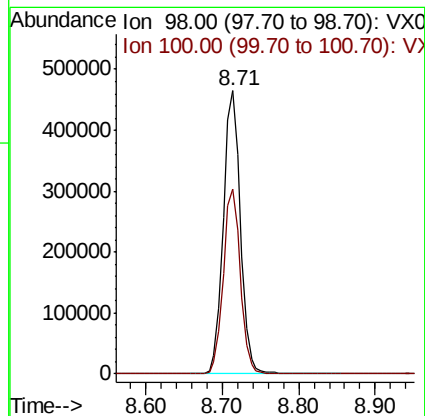
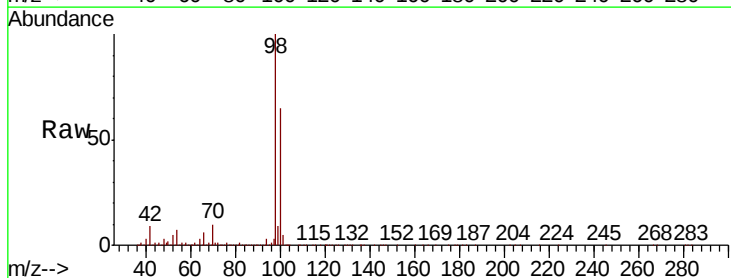
Acq: 22 Aug 2019 22:24

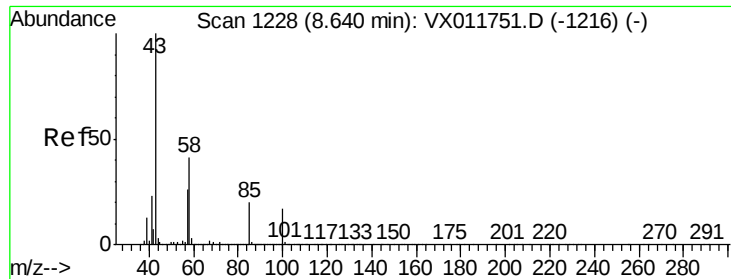
Tgt Ion: 98 Resp: 721026

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 10.554 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011780.D

Acq: 22 Aug 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

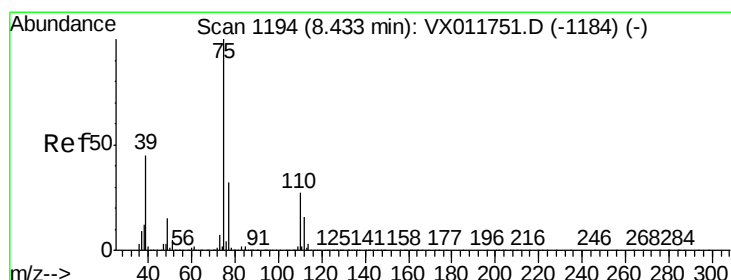
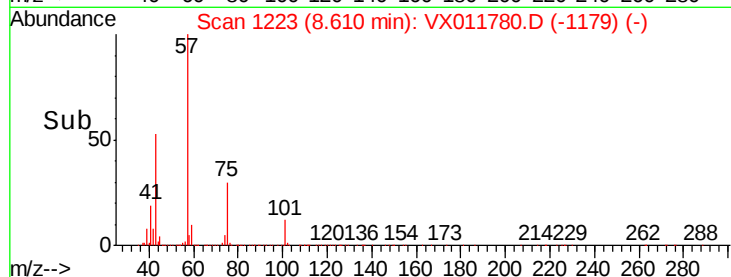
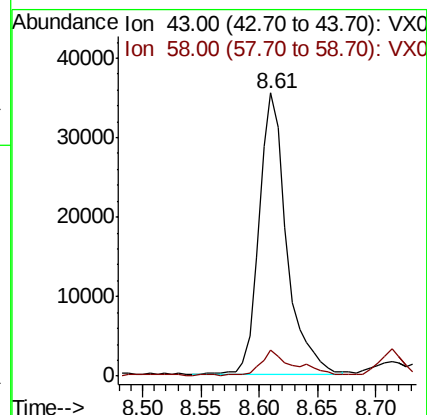
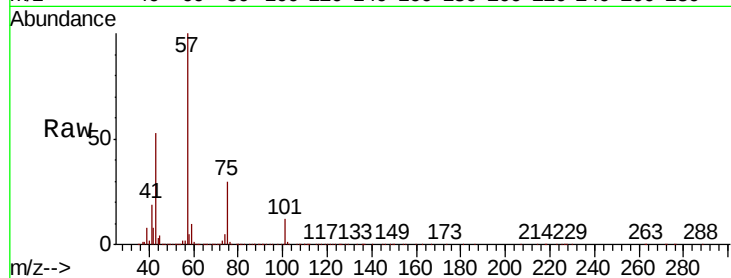
T1-H1-(2.5)

Tgt Ion: 43 Resp: 58285

Ion Ratio Lower Upper

43 100

58 11.4 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 5.219 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011780.D

Acq: 22 Aug 2019 22:24

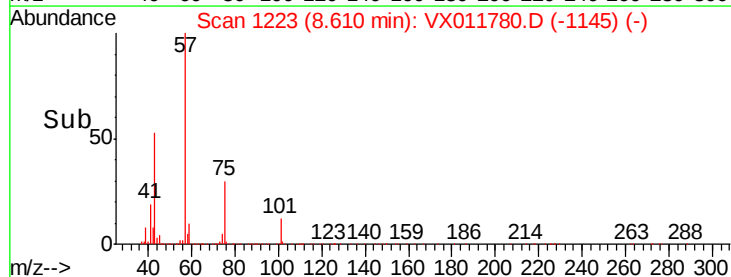
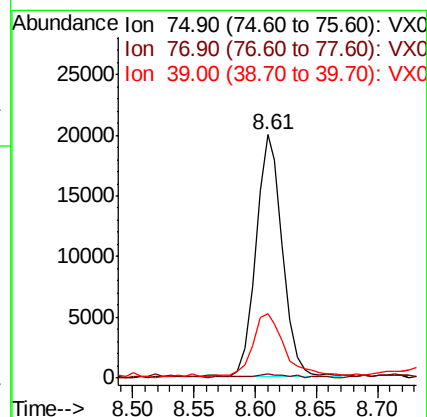
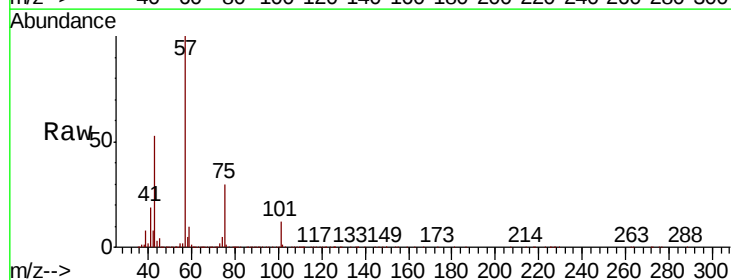
Tgt Ion: 75 Resp: 30179

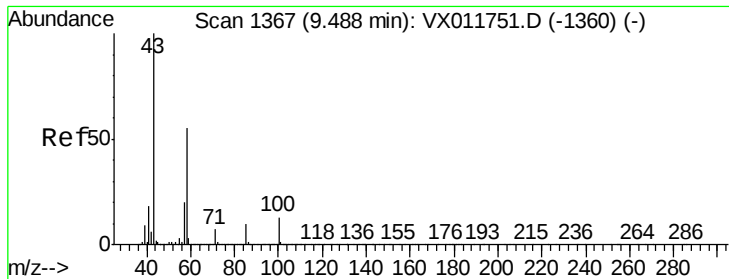
Ion Ratio Lower Upper

75 100

77 1.2 25.4 38.2#

39 25.7 36.2 54.4#

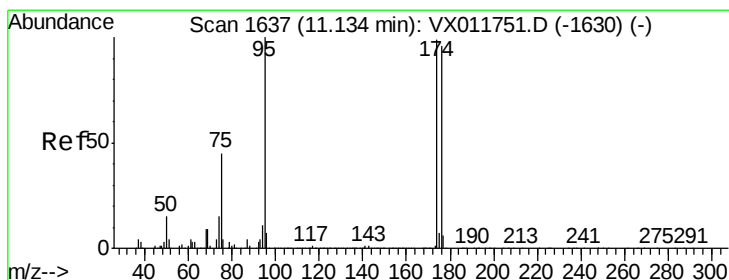
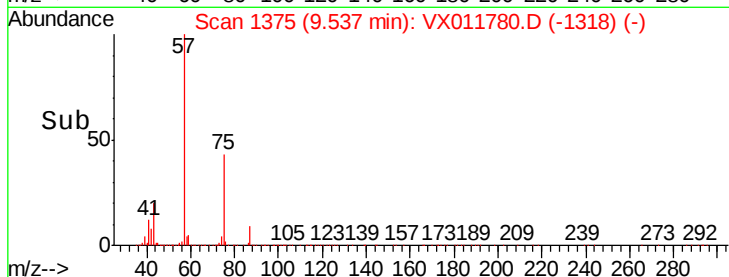
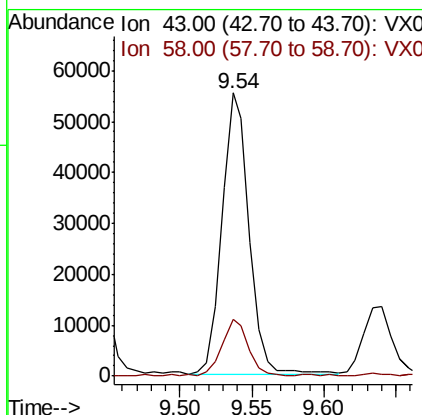
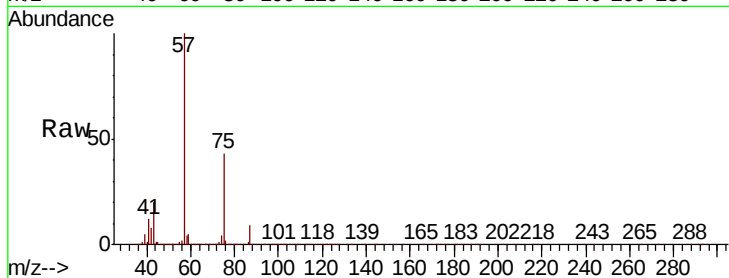




#59
2-Hexanone
Concen: 17.287 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011780.D
Acq: 22 Aug 2019 22:24

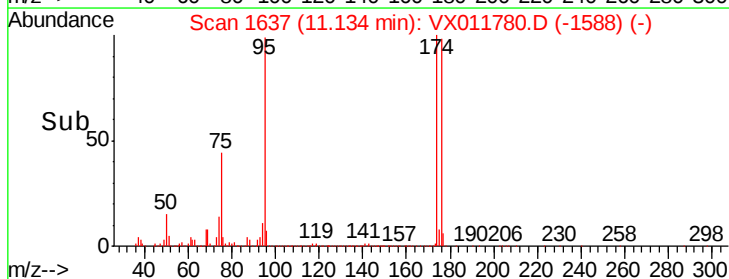
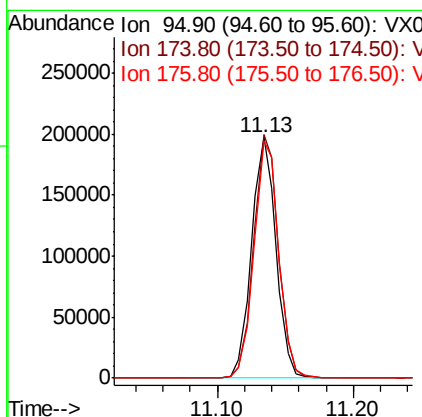
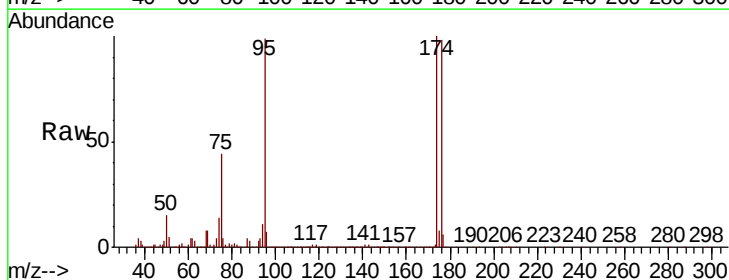
Instrument :
MSVOA_X
ClientSampleId :
T1-H1-(2.5)

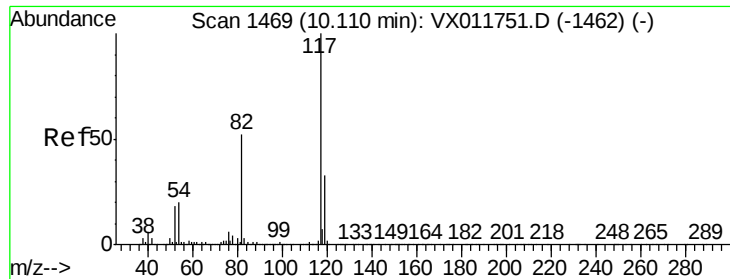
Tgt Ion: 43 Resp: 73275
Ion Ratio Lower Upper
43 100
58 20.4 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 44.767 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011780.D
Acq: 22 Aug 2019 22:24

Tgt Ion: 95 Resp: 249040
Ion Ratio Lower Upper
95 100
174 102.7 0.0 197.4
176 99.9 0.0 194.4

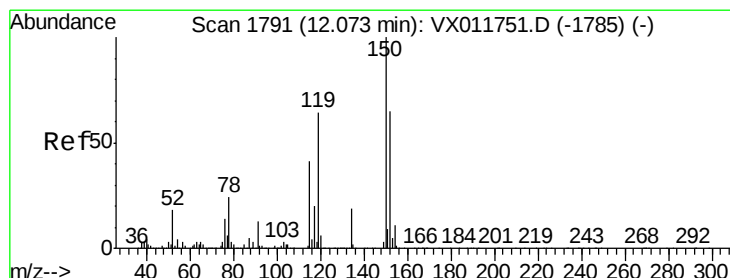
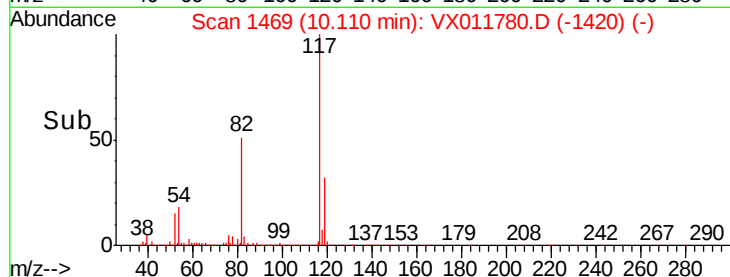
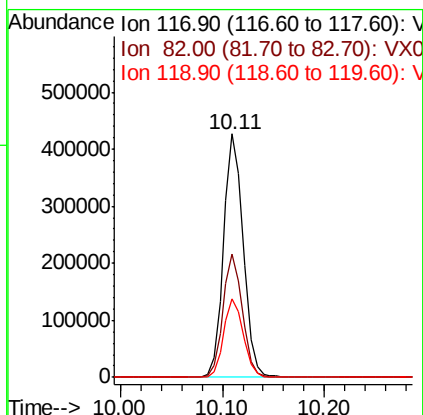
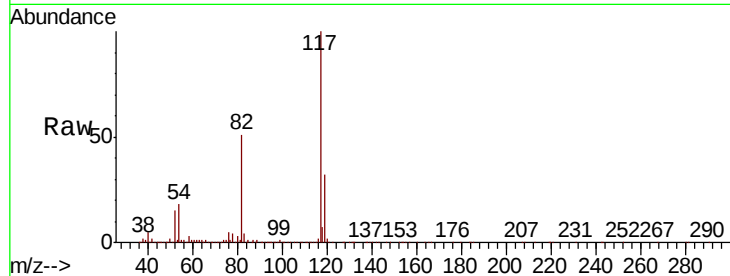




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011780.D
Acq: 22 Aug 2019 22:24

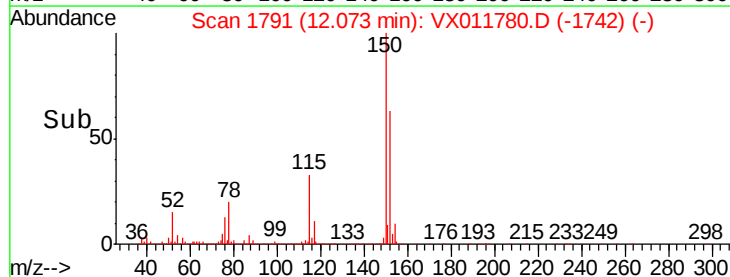
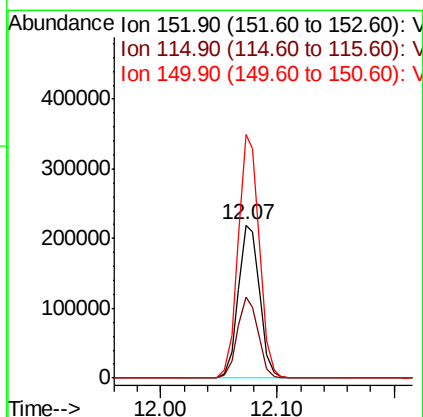
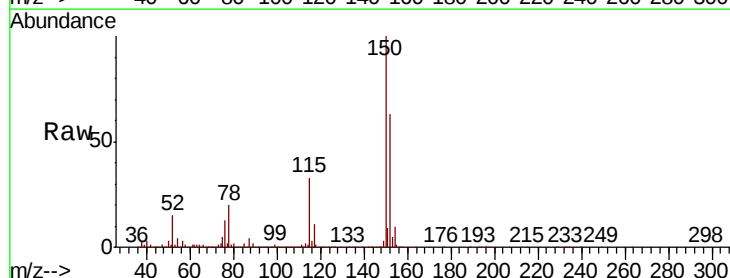
Instrument :
MSVOA_X
ClientSampled :
T1-H1-(2.5)

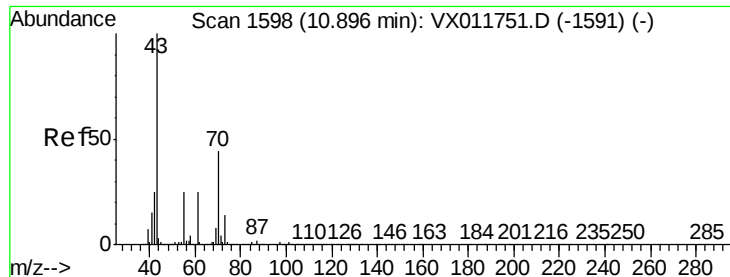
Tgt Ion:117 Resp: 572211
Ion Ratio Lower Upper
117 100
82 50.9 41.7 62.5
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011780.D
Acq: 22 Aug 2019 22:24

Tgt Ion:152 Resp: 280087
Ion Ratio Lower Upper
152 100
115 51.6 37.3 111.8
150 157.0 0.0 343.0





#74

N-ethyl acetate

Concen: 0.451 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011780.D

Acq: 22 Aug 2019 22:24

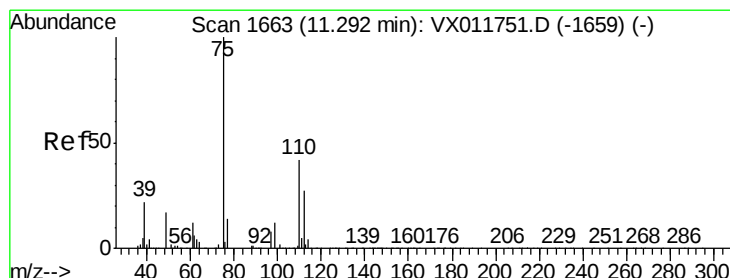
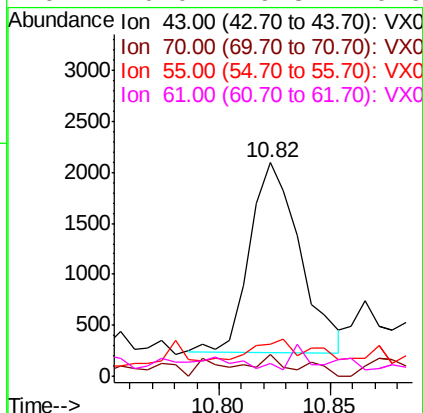
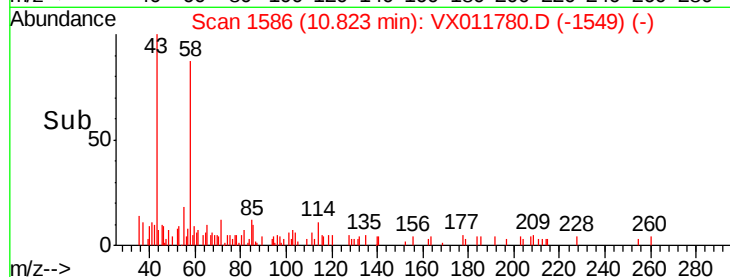
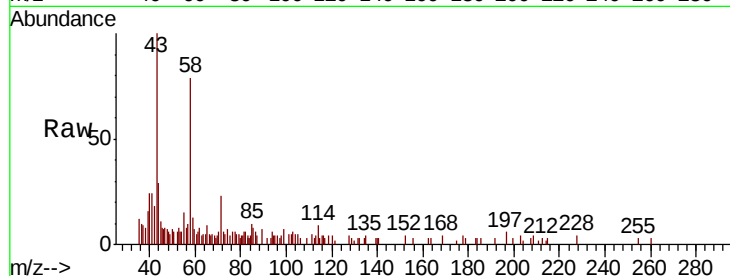
Instrument :

MSVOA_X

ClientSampled :

T1-H1-(2.5)

Tgt Ion:	43	Resp:	2945
Ion	Ratio	Lower	Upper
43	100		
70	3.0	34.8	52.2#
55	11.7	19.5	29.3#
61	0.0	19.8	29.6#



#76

1,2,3-Trichloropropane

Concen: 22.485 ug/l

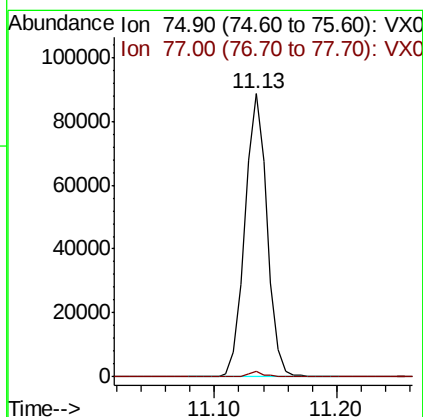
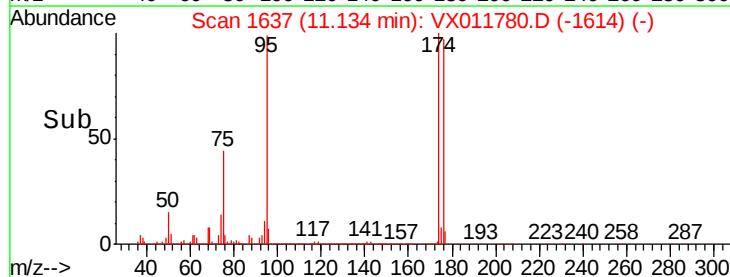
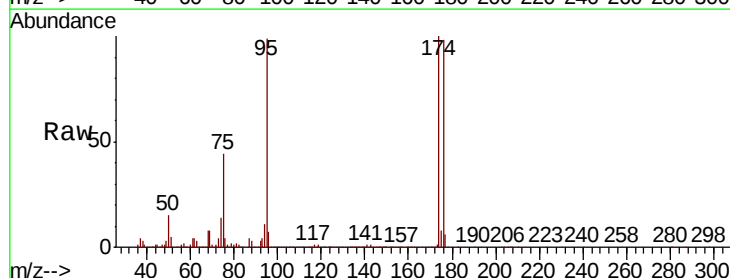
RT: 11.13 min Scan# 1637

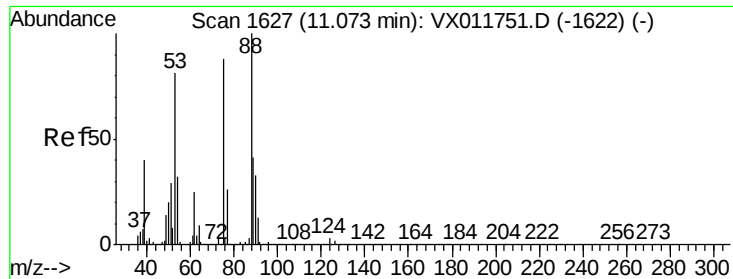
Delta R.T. -0.16 min

Lab File: VX011780.D

Acq: 22 Aug 2019 22:24

Tgt Ion:	75	Resp:	110508
Ion	Ratio	Lower	Upper
75	100		
77	1.6	21.1	63.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.811 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011780.D
 Acq: 22 Aug 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H1-(2.5)

Tgt Ion: 75 Resp: 110508
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.1 115.7#
 89 0.1 38.5 57.7#

