

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
 Data File : VX011781.D
 Acq On : 22 Aug 2019 22:47
 Operator : JC/SP
 Sample : K4403-26
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H2-(2.5)

Quant Time: Aug 23 02:07:33 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	411028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	576770	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	519656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	248465	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	207181	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	5.49	113	178691	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	8.71	98	664511	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.13	95	228526	44.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.88%	

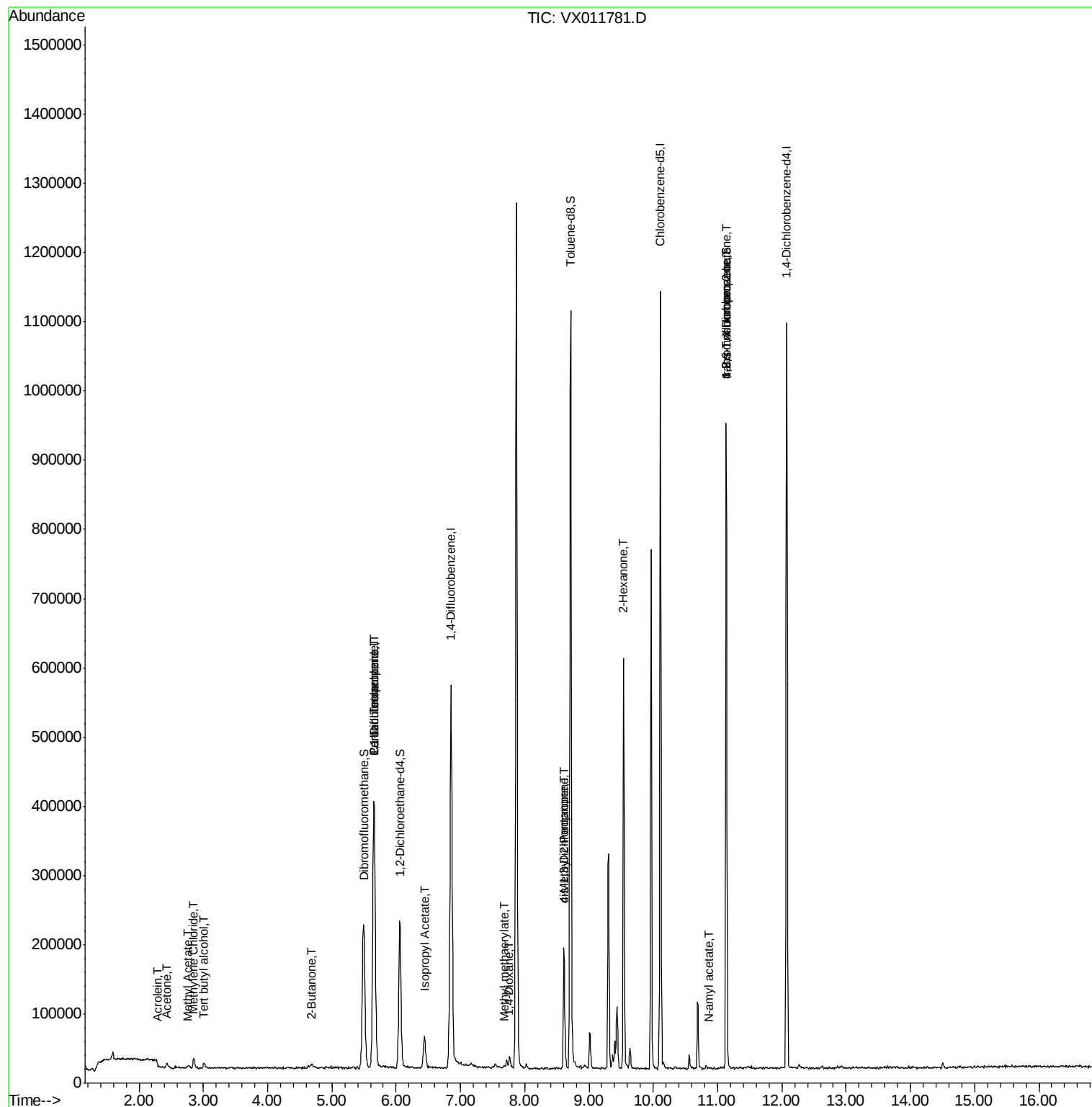
Target Compounds						Qvalue
11) Tert butyl alcohol	3.01	59	4706	5.768	ug/l #	72
13) Acrolein	2.29	56	413	1.309	ug/l #	48
16) Acetone	2.43	43	8913	4.962	ug/l	100
18) Methyl Acetate	2.77	43	3365	0.690	ug/l	91
20) Methylene Chloride	2.85	84	7649	2.083	ug/l	94
25) 2-Butanone	4.68	43	1574	0.611	ug/l #	53
36) 1,1-Dichloropropene	5.65	75	25308	5.596	ug/l #	52
38) Carbon Tetrachloride	5.65	117	36860	7.191	ug/l #	15
43) Isopropyl Acetate	6.44	43	62881	8.117	ug/l	99
48) Methyl methacrylate	7.67	41	4041	1.048	ug/l #	14
49) 1,4-Dioxane	7.75	88	221	2.069	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	60236	11.800	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	28375	5.308	ug/l #	63
59) 2-Hexanone	9.54	43	67859	17.320	ug/l #	52
74) N-amyl acetate	10.86	43	1339	0.231	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	110309	25.301	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	110309	76.304	ug/l #	11

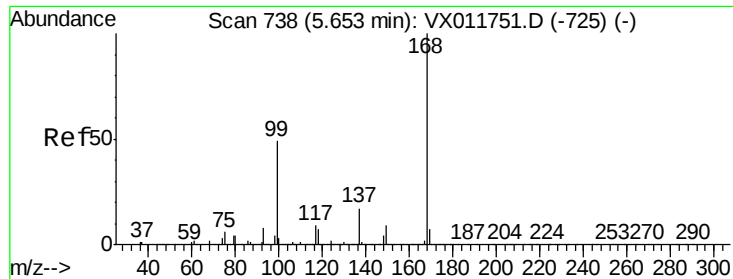
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011781.D

Acq: 22 Aug 2019 22:47

Instrument :

MSVOA_X

ClientSampleId :

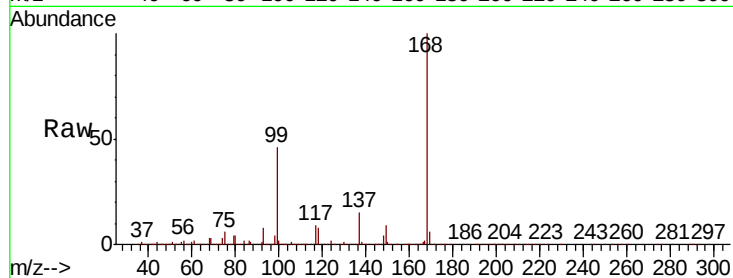
T1-H2-(2.5)

Tgt Ion:168 Resp: 411028

Ion Ratio Lower Upper

168 100

99 46.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

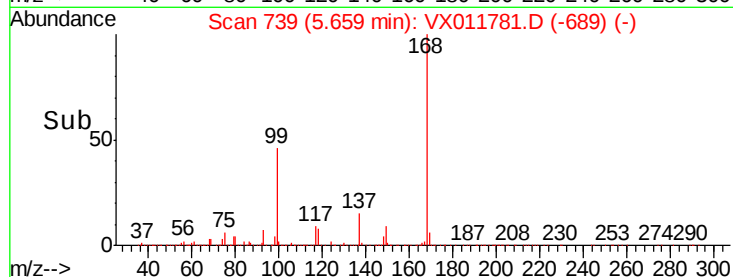
150000

100000

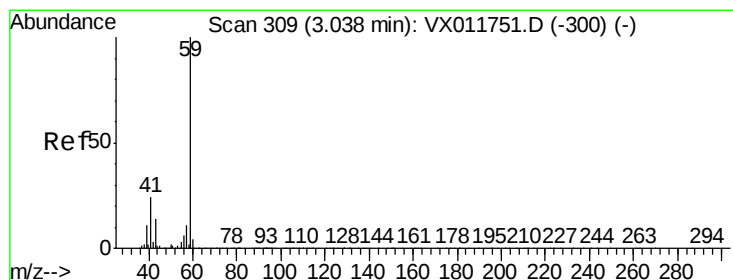
50000

0

5.50 5.60 5.70 5.80



Time-->



#11

Tert butyl alcohol

Concen: 5.768 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011781.D

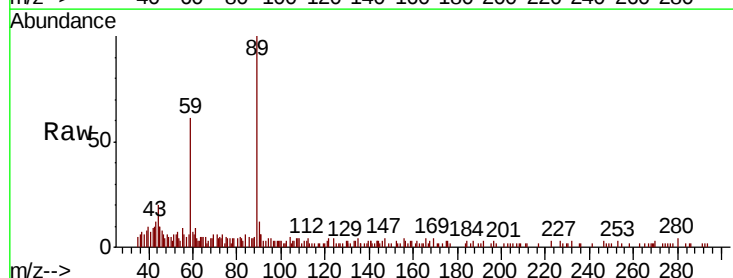
Acq: 22 Aug 2019 22:47

Tgt Ion: 59 Resp: 4706

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

2000

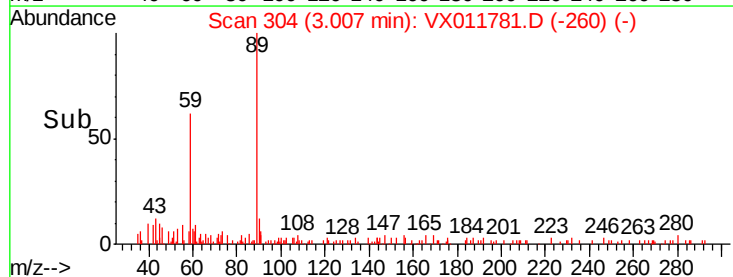
1500

1000

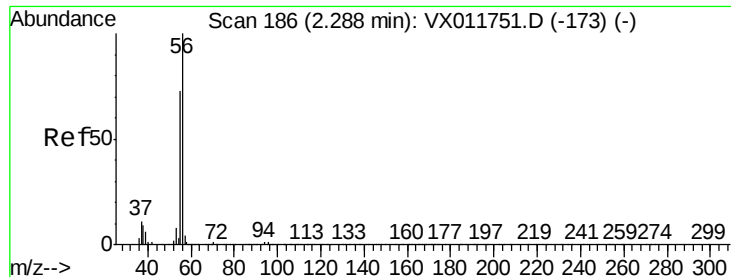
500

0

2.95 3.00 3.05 3.10



Time-->



#13

Acrolein

Concen: 1.309 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX011781.D

Acq: 22 Aug 2019 22:47

Instrument :

MSVOA_X

ClientSampled :

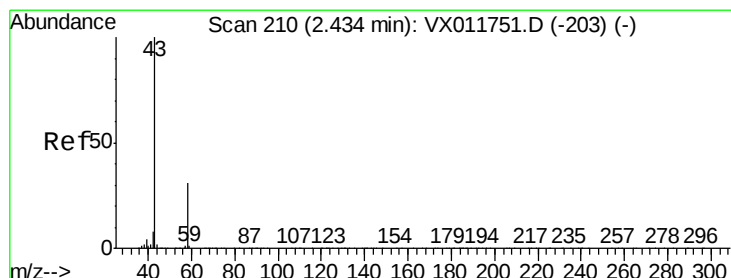
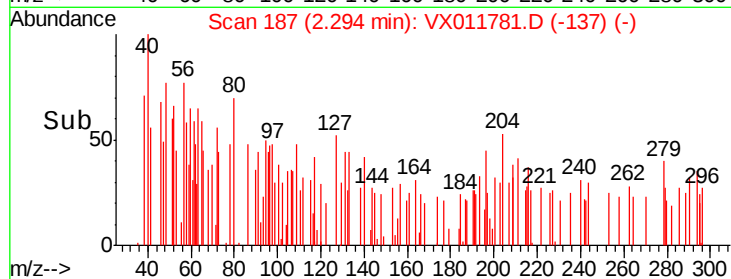
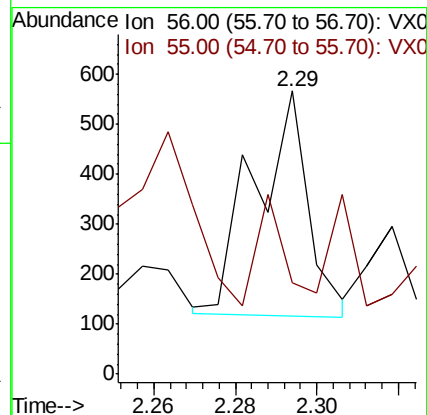
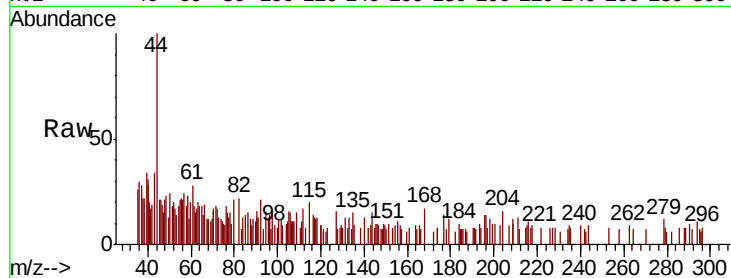
T1-H2-(2.5)

Tgt Ion: 56 Resp: 413

Ion Ratio Lower Upper

56 100

55 26.4 54.8 82.2#



#16

Acetone

Concen: 4.962 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011781.D

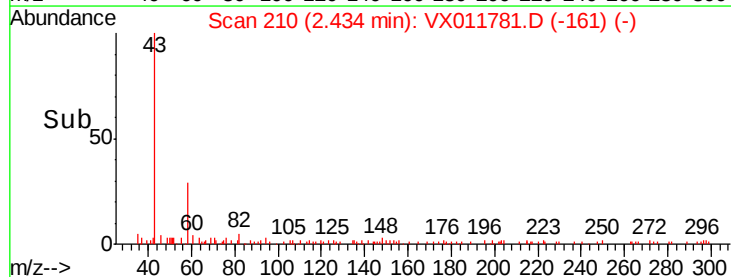
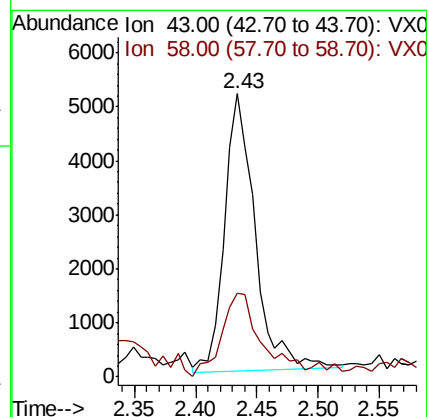
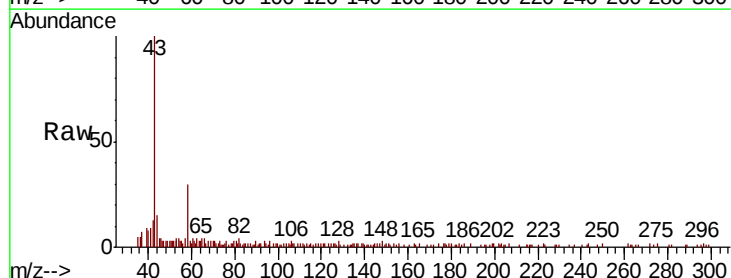
Acq: 22 Aug 2019 22:47

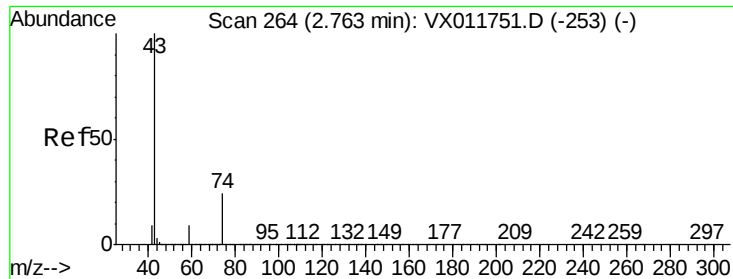
Tgt Ion: 43 Resp: 8913

Ion Ratio Lower Upper

43 100

58 30.6 24.4 36.6

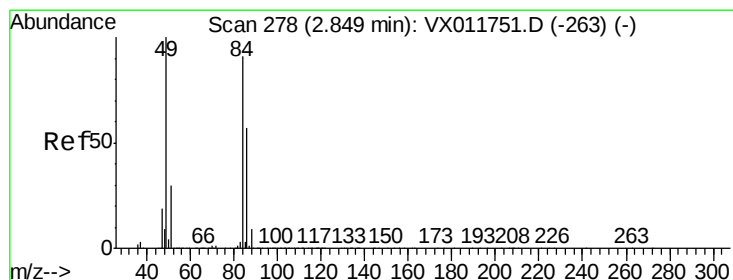
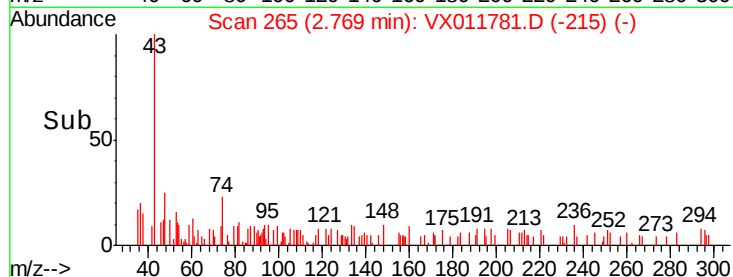
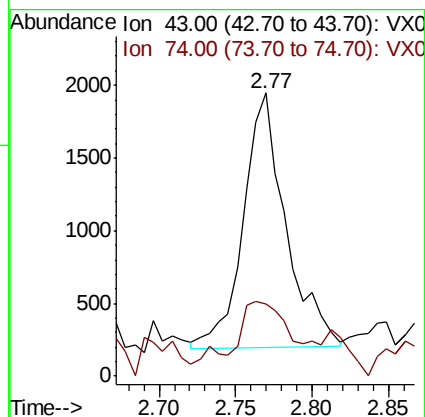
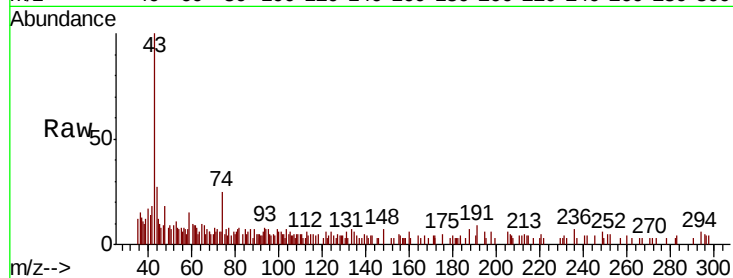




#18
Methyl Acetate
Concen: 0.690 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011781.D
Acq: 22 Aug 2019 22:47

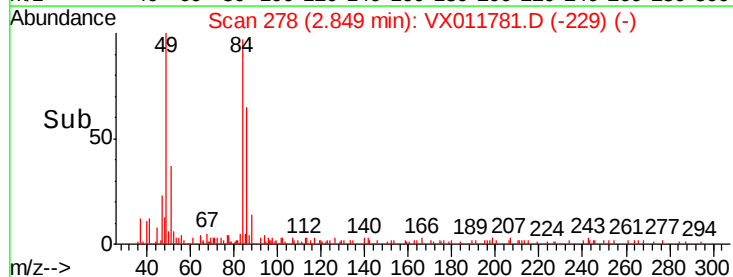
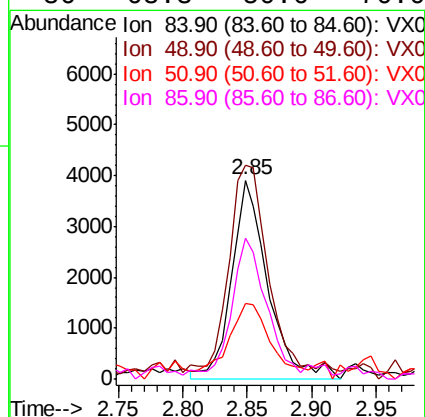
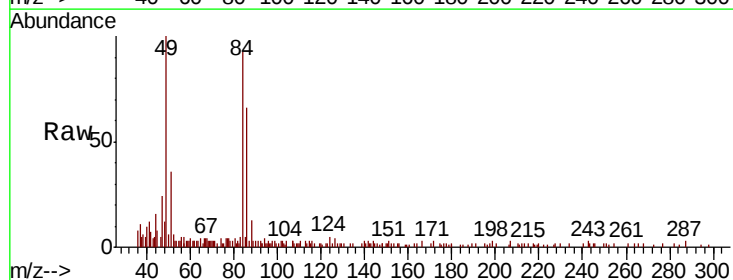
Instrument :
MSVOA_X
ClientSampleId :
T1-H2-(2.5)

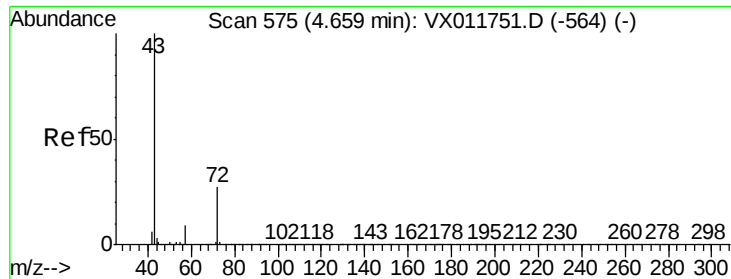
Tgt Ion: 43 Resp: 3365
Ion Ratio Lower Upper
43 100
74 20.0 19.5 29.3



#20
Methylene Chloride
Concen: 2.083 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011781.D
Acq: 22 Aug 2019 22:47

Tgt Ion: 84 Resp: 7649
Ion Ratio Lower Upper
84 100
49 103.6 88.3 132.5
51 34.2 26.2 39.2
86 68.3 50.6 76.0

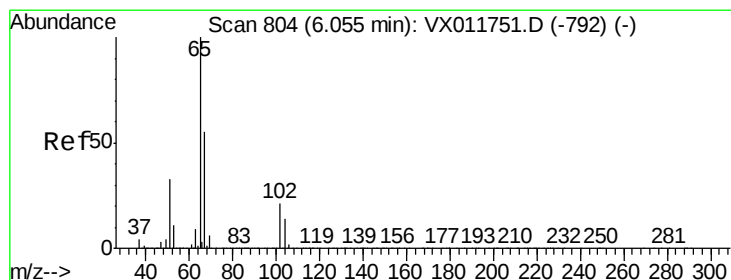
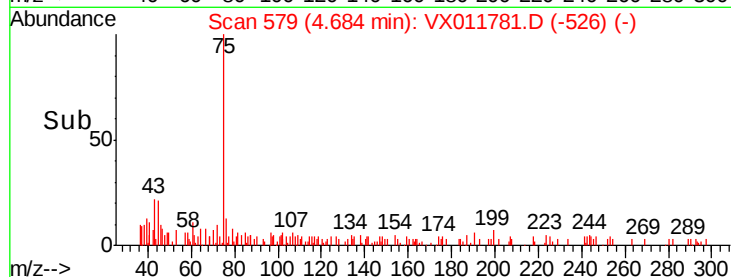
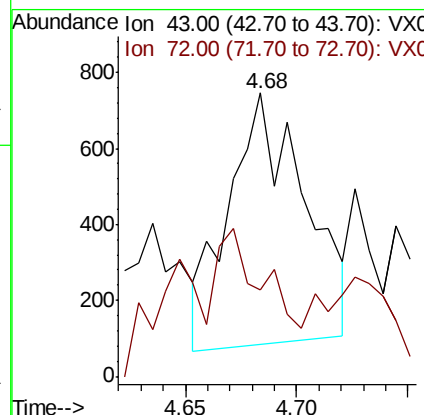
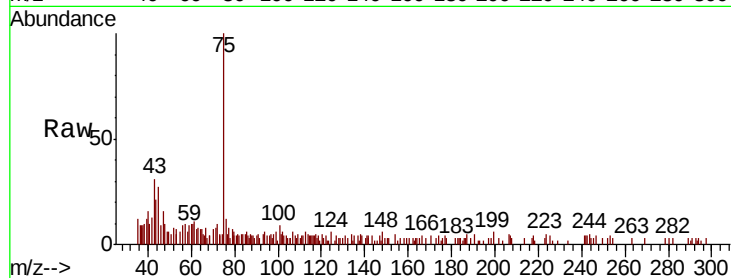




#25
2-Butanone
Concen: 0.611 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.02 min
Lab File: VX011781.D
Acq: 22 Aug 2019 22:47

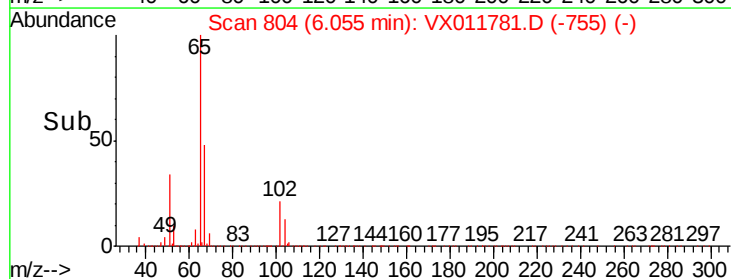
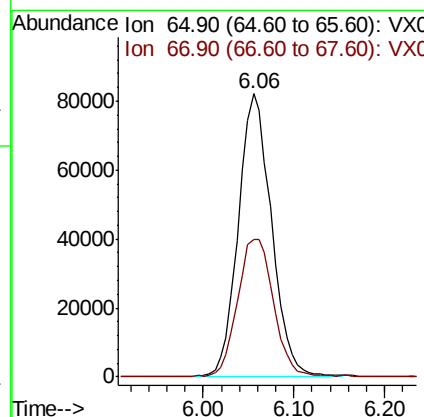
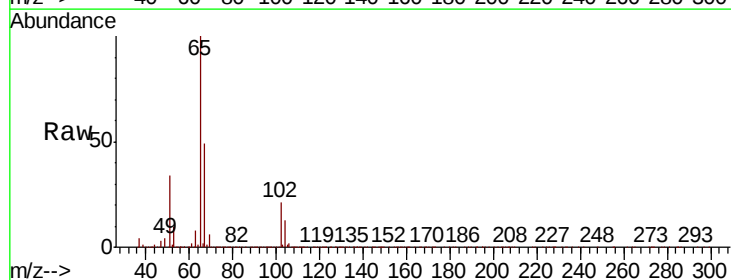
Instrument :
MSVOA_X
ClientSampled :
T1-H2-(2.5)

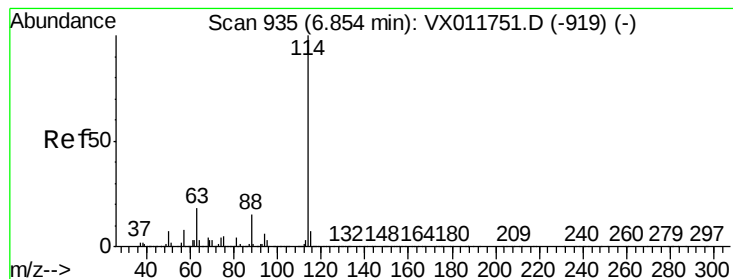
Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
72 2.8 21.8 32.6#



#33
1,2-Dichloroethane-d4
Concen: 50.177 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011781.D
Acq: 22 Aug 2019 22:47

Tgt Ion: 65 Resp: 207181
Ion Ratio Lower Upper
65 100
67 53.2 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: VX011781.D

Acq: 22 Aug 2019 22:47

Instrument :

MSVOA_X

ClientSampleId :

T1-H2-(2.5)

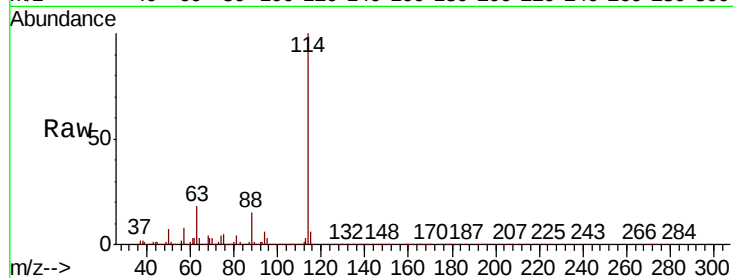
Tgt Ion:114 Resp: 576770

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

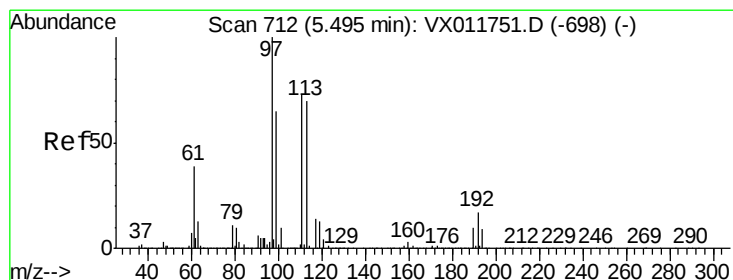
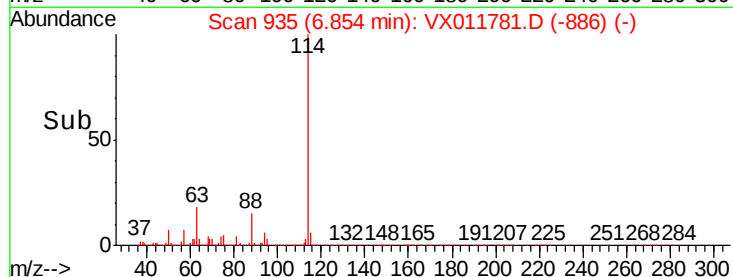
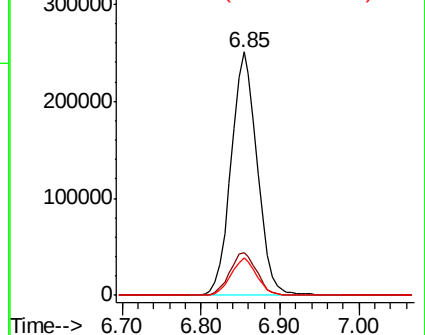
88 15.2 0.0 30.2



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: 47.911 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011781.D

Acq: 22 Aug 2019 22:47

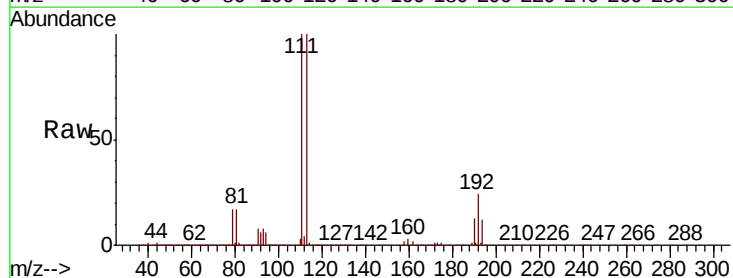
Tgt Ion:113 Resp: 178691

Ion Ratio Lower Upper

113 100

111 100.4 81.0 121.4

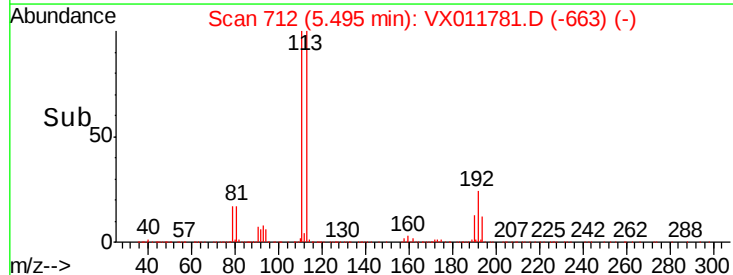
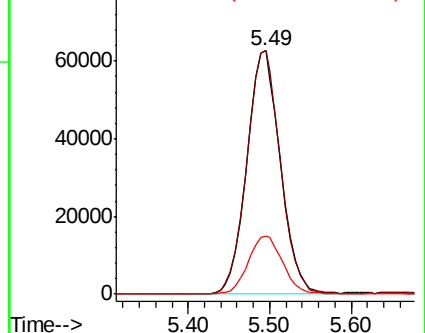
192 24.7 19.9 29.9

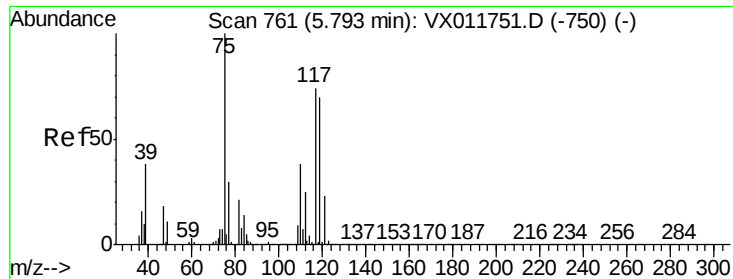


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

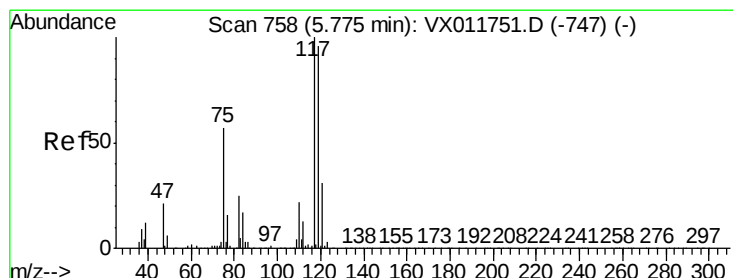
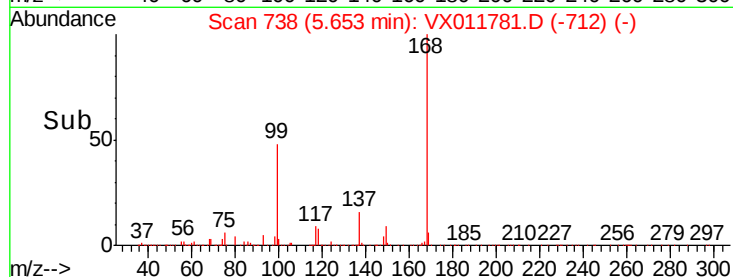
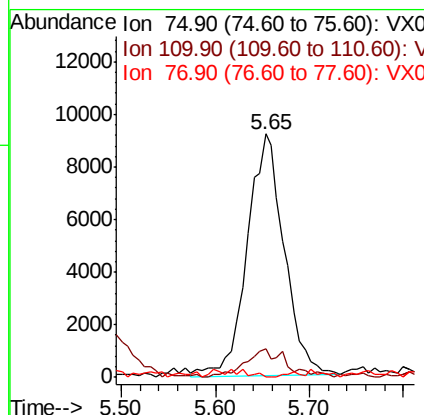
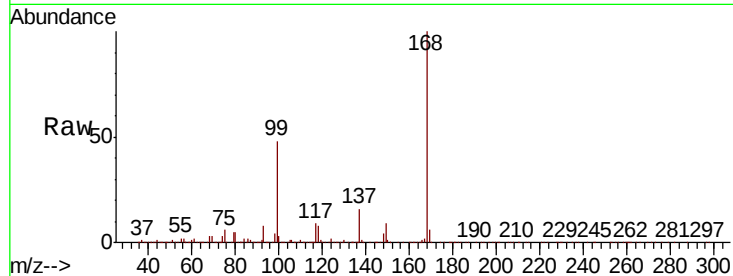




#36
 1,1-Dichloropropene
 Concen: 5.596 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011781.D
 Acq: 22 Aug 2019 22:47

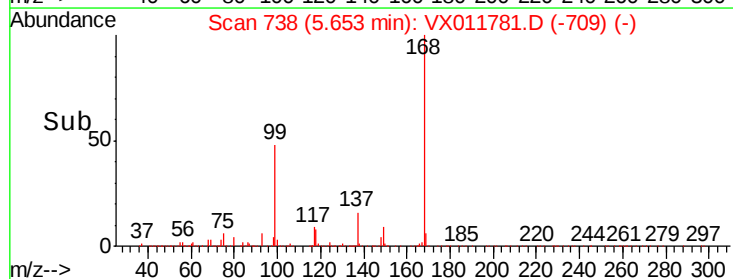
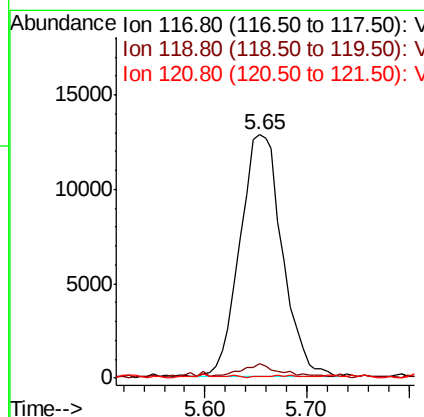
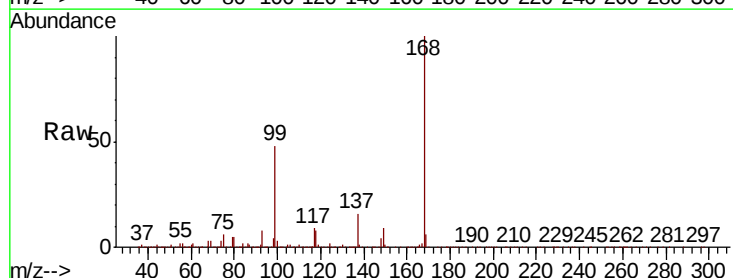
Instrument :
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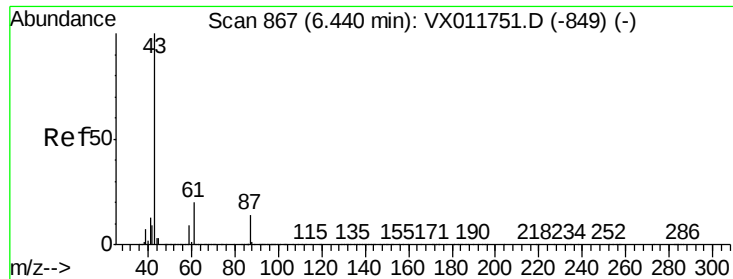
Tgt Ion	Ratio	Lower	Upper
75	100		
110	13.2	19.0	57.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.191 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.12 min
 Lab File: VX011781.D
 Acq: 22 Aug 2019 22:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.6	114.8#
121	0.0	25.2	37.8#





#43

Isopropyl Acetate

Concen: 8.117 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011781.D

Acq: 22 Aug 2019 22:47

Instrument :

MSVOA_X

ClientSampleId :

T1-H2-(2.5)

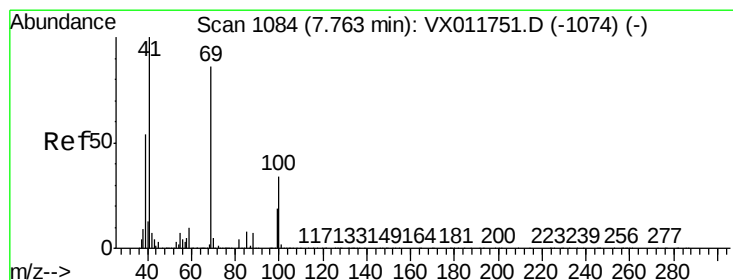
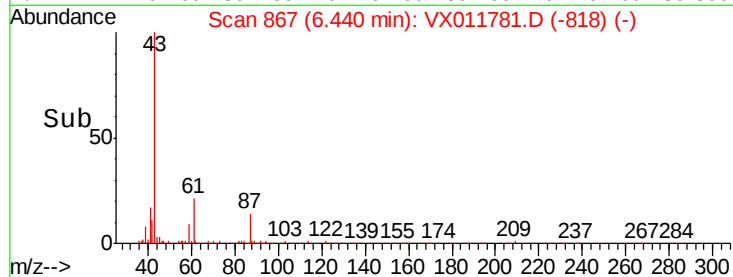
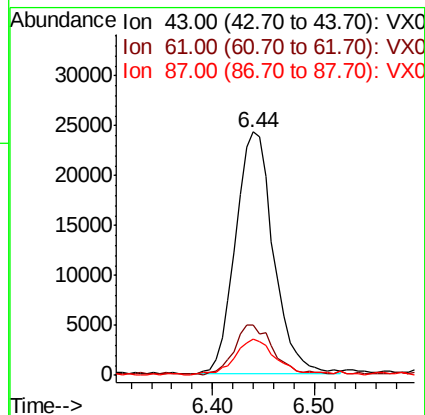
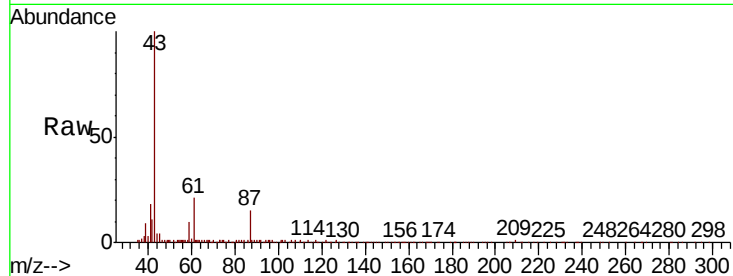
Tgt Ion: 43 Resp: 62881

Ion Ratio Lower Upper

43 100

61 20.6 16.2 24.2

87 15.3 11.6 17.4



#48

Methyl methacrylate

Concen: 1.048 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. -0.09 min

Lab File: VX011781.D

Acq: 22 Aug 2019 22:47

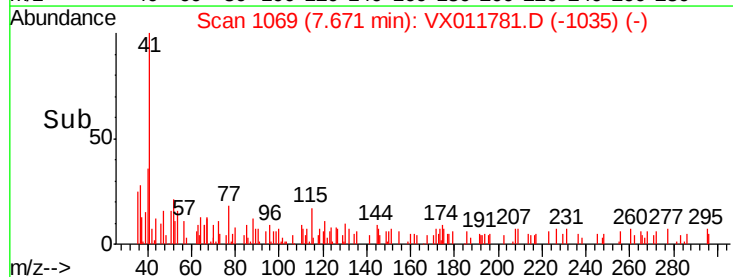
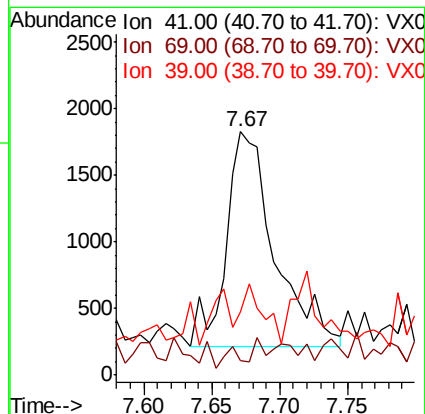
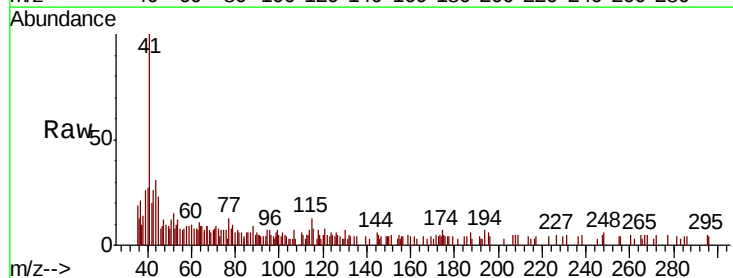
Tgt Ion: 41 Resp: 4041

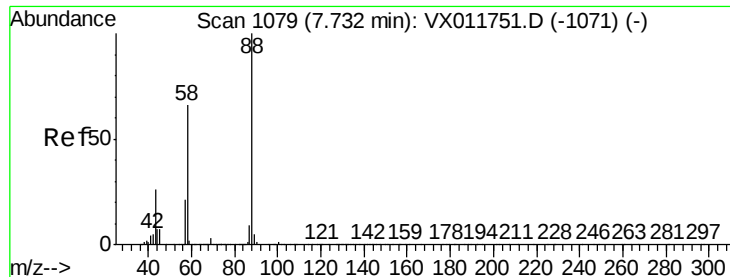
Ion Ratio Lower Upper

41 100

69 1.0 69.4 104.2#

39 0.0 43.6 65.4#





#49

1,4-Dioxane

Concen: 2.069 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.02 min

Lab File: VX011781.D

Acq: 22 Aug 2019 22:47

Instrument :

MSVOA_X

ClientSampled :

T1-H2-(2.5)

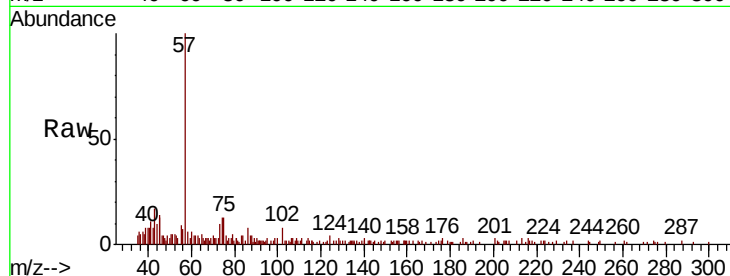
Tgt Ion: 88 Resp: 221

Ion Ratio Lower Upper

88 100

43 0.0 24.6 37.0#

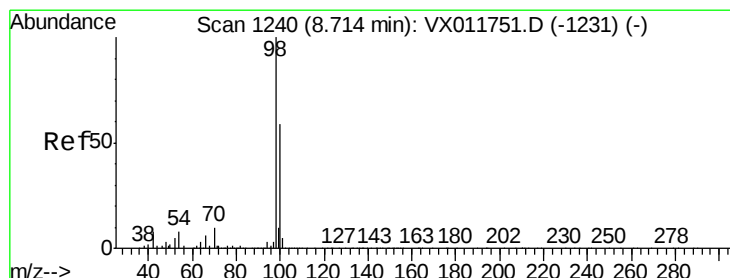
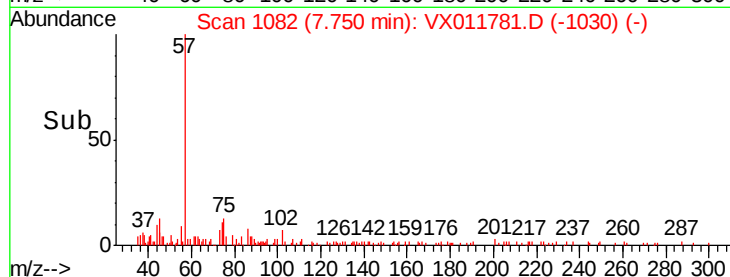
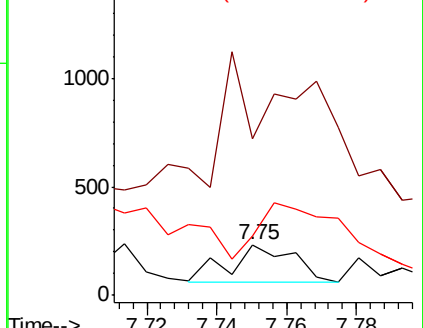
58 414.5 51.4 77.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.081 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011781.D

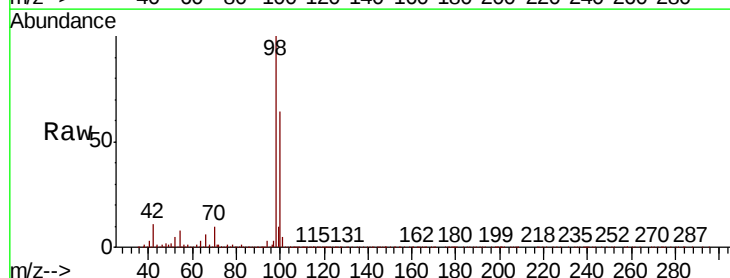
Acq: 22 Aug 2019 22:47

Tgt Ion: 98 Resp: 664511

Ion Ratio Lower Upper

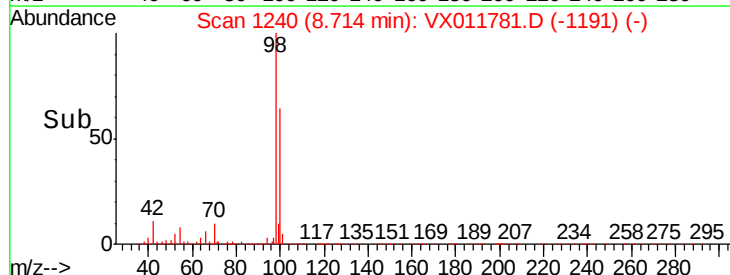
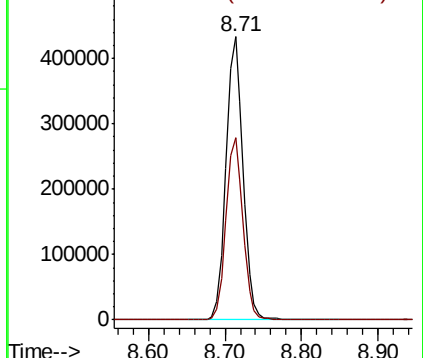
98 100

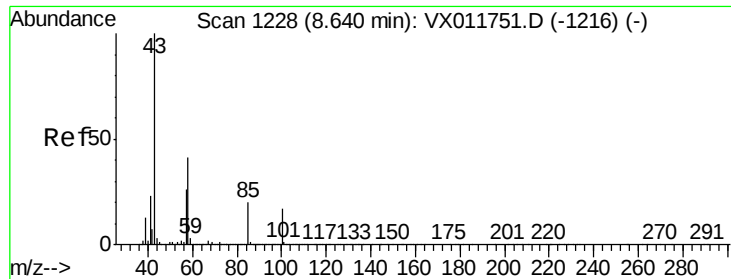
100 64.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

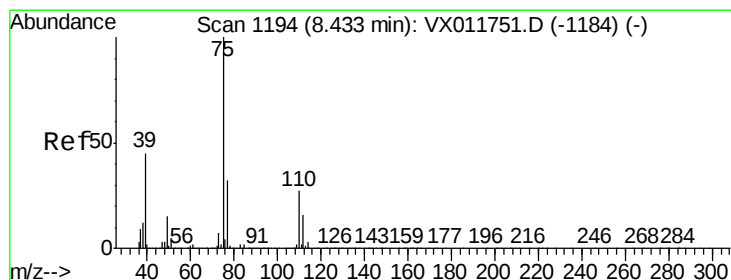
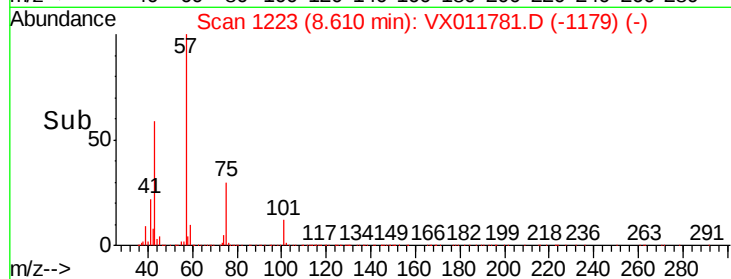
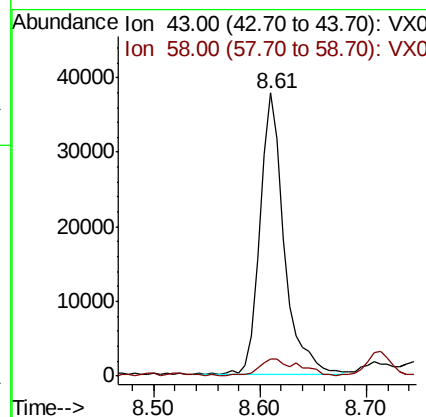
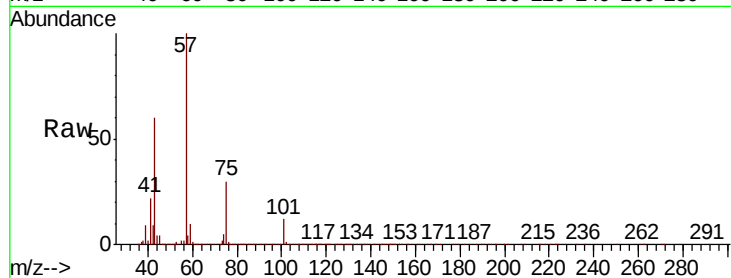




#51
4-Methyl-2-Pentanone
Concen: 11.800 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011781.D
Acq: 22 Aug 2019 22:47

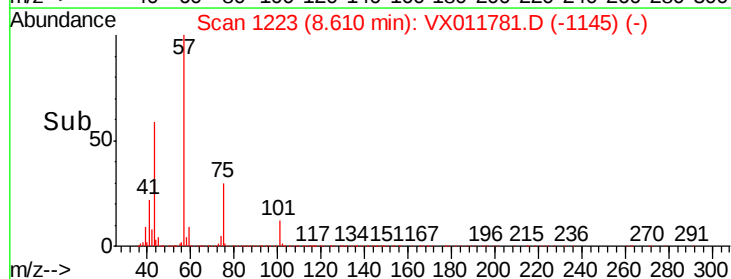
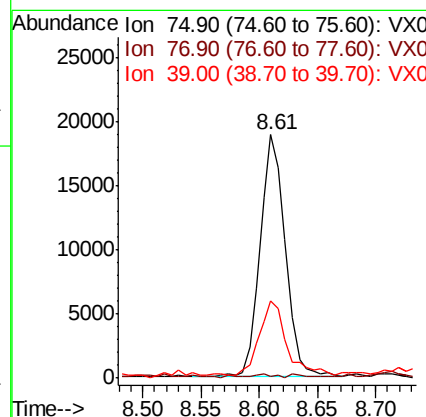
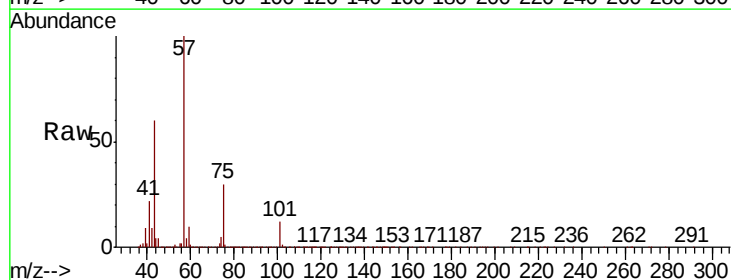
Instrument :
MSVOA_X
ClientSampleId :
T1-H2-(2.5)

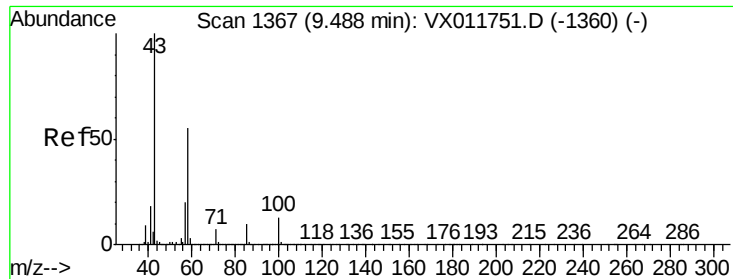
Tgt Ion: 43 Resp: 60236
Ion Ratio Lower Upper
43 100
58 9.6 31.8 47.6#



#54
cis-1,3-Dichloropropene
Concen: 5.308 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. 0.18 min
Lab File: VX011781.D
Acq: 22 Aug 2019 22:47

Tgt Ion: 75 Resp: 28375
Ion Ratio Lower Upper
75 100
77 0.3 25.4 38.2#
39 29.8 36.2 54.4#

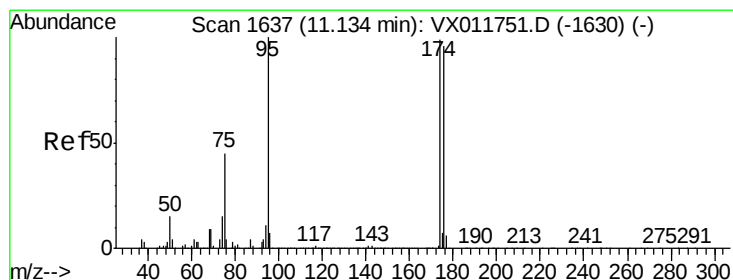
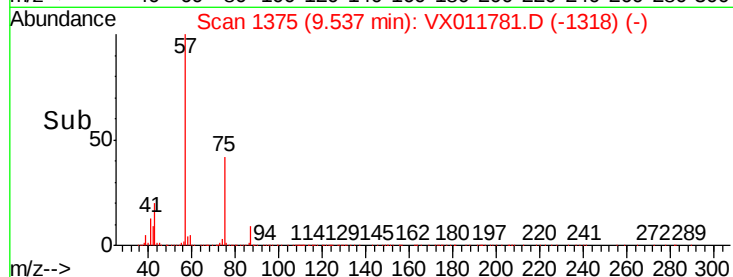
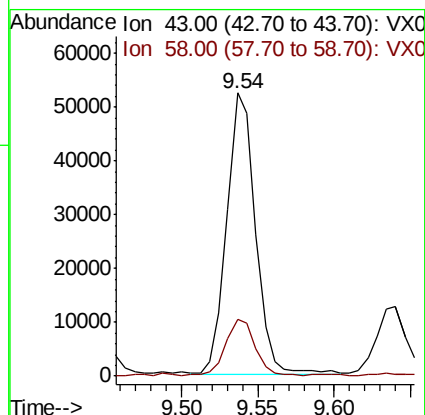
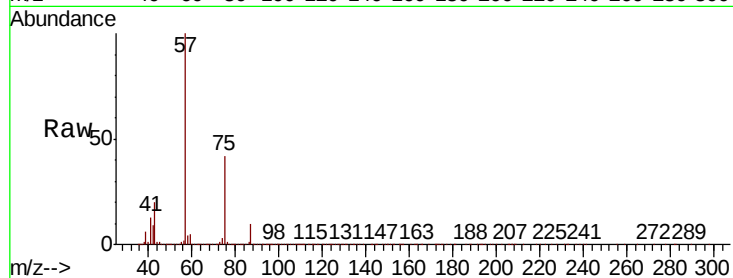




#59
2-Hexanone
Concen: 17.320 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011781.D
Acq: 22 Aug 2019 22:47

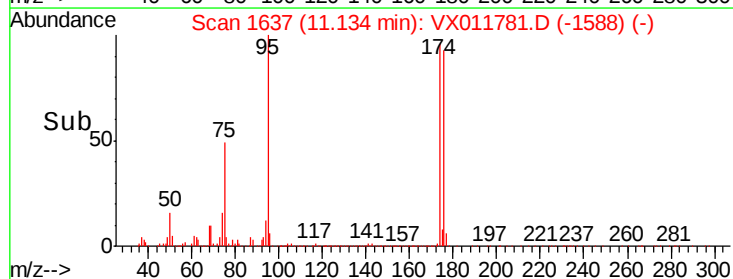
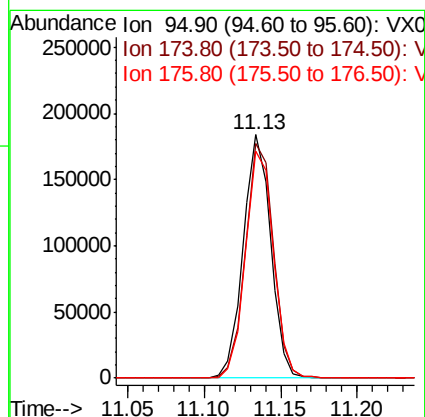
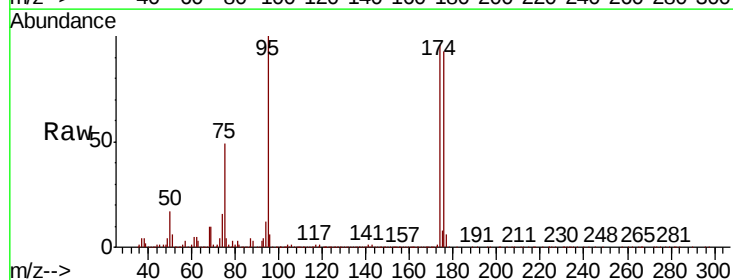
Instrument :
MSVOA_X
ClientSampled :
T1-H2-(2.5)

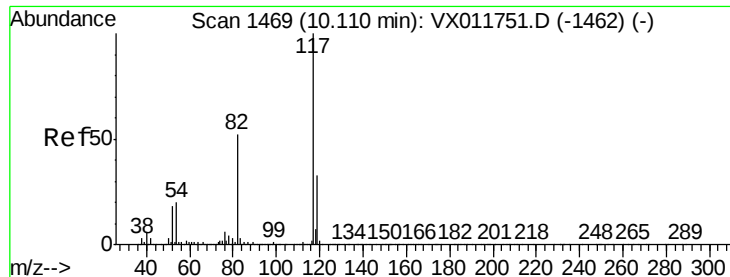
Tgt Ion: 43 Resp: 67859
Ion Ratio Lower Upper
43 100
58 20.3 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 44.444 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011781.D
Acq: 22 Aug 2019 22:47

Tgt Ion: 95 Resp: 228526
Ion Ratio Lower Upper
95 100
174 98.7 0.0 197.4
176 95.6 0.0 194.4

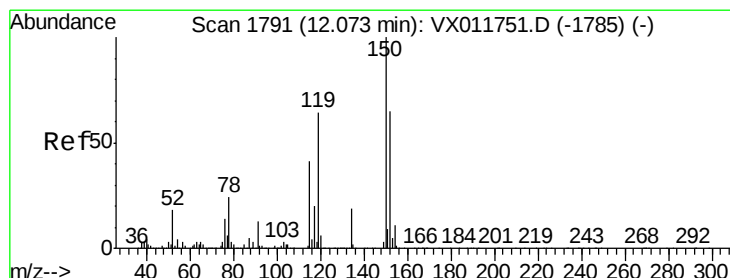
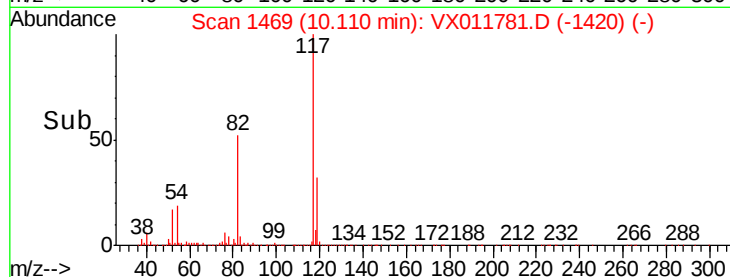
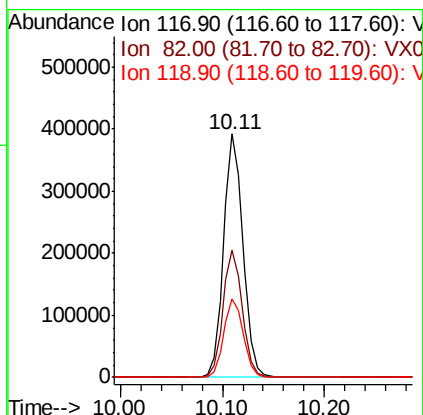
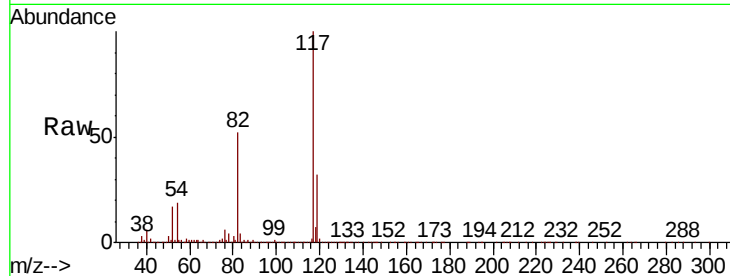




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011781.D
Acq: 22 Aug 2019 22:47

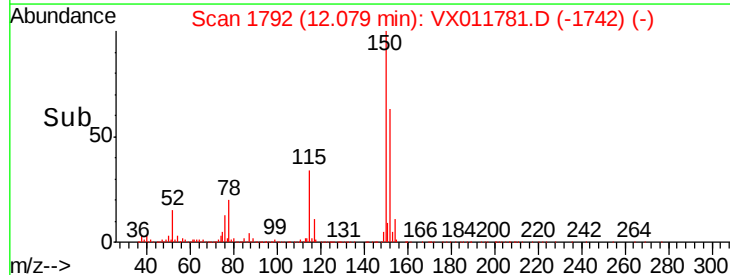
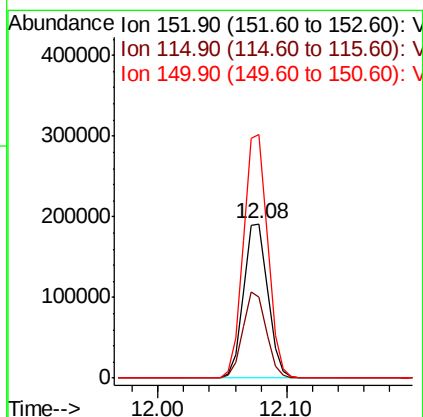
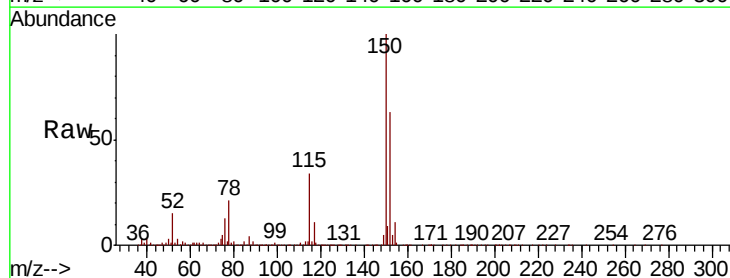
Instrument :
MSVOA_X
ClientSampled :
T1-H2-(2.5)

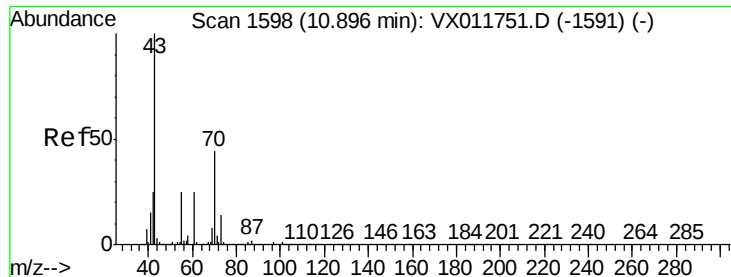
Tgt Ion:117 Resp: 519656
Ion Ratio Lower Upper
117 100
82 52.1 41.7 62.5
119 32.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011781.D
Acq: 22 Aug 2019 22:47

Tgt Ion:152 Resp: 248465
Ion Ratio Lower Upper
152 100
115 54.0 37.3 111.8
150 156.8 0.0 343.0





#74

N-ethyl acetate

Concen: 0.231 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.04 min

Lab File: VX011781.D

Acq: 22 Aug 2019 22:47

Instrument :

MSVOA_X

ClientSampled :

T1-H2-(2.5)

Tgt Ion: 43 Resp: 1339

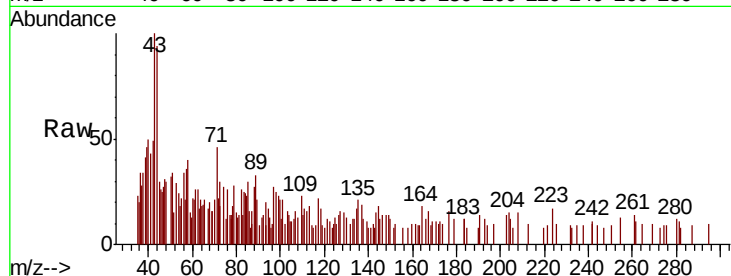
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 11.4 19.5 29.3#

61 0.0 19.8 29.6#

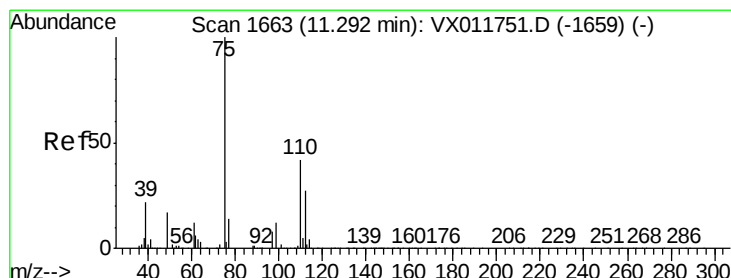
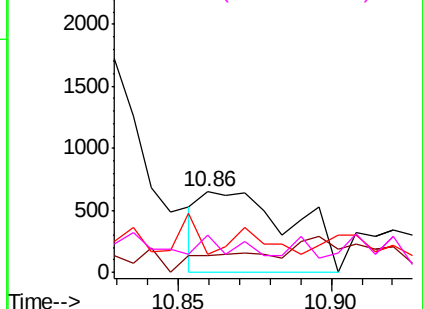
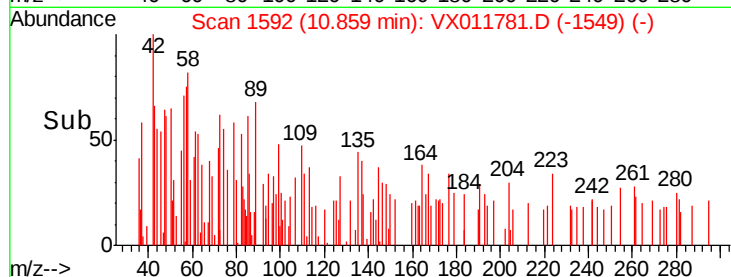


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 25.301 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011781.D

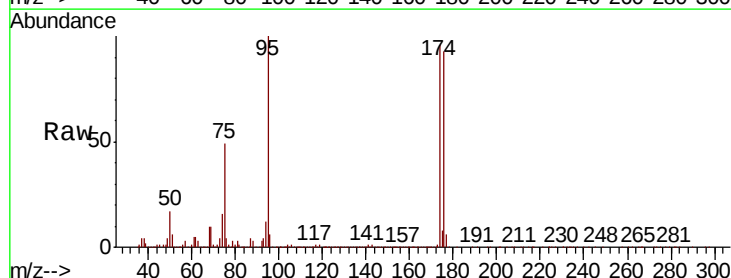
Acq: 22 Aug 2019 22:47

Tgt Ion: 75 Resp: 110309

Ion Ratio Lower Upper

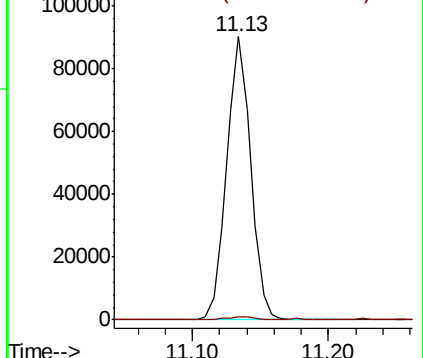
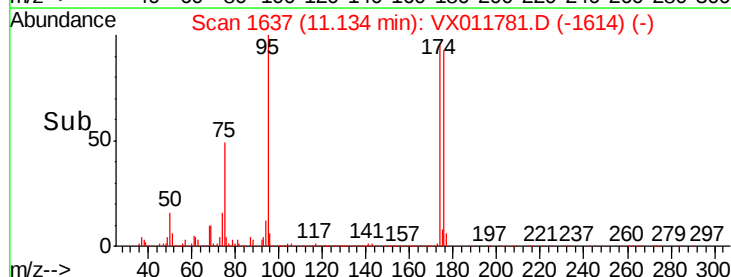
75 100

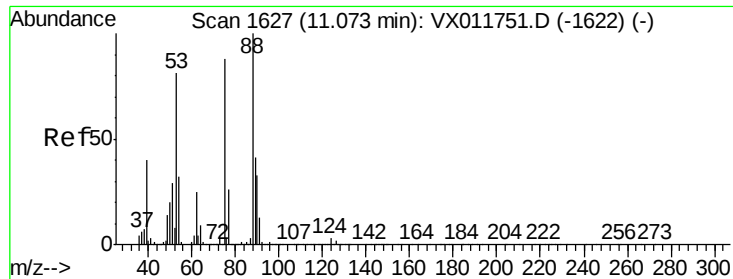
77 1.3 21.1 63.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.304 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011781.D

Acq: 22 Aug 2019 22:47

Instrument :

MSVOA_X

ClientSampleId :

T1-H2-(2.5)

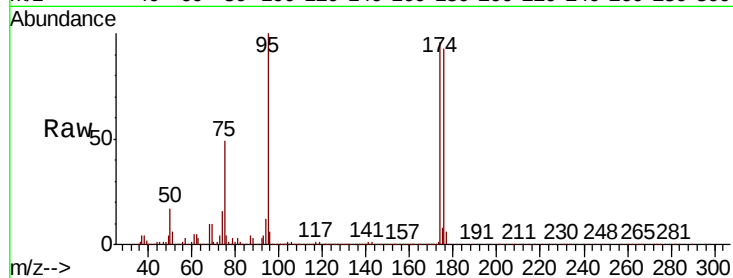
Tgt Ion: 75 Resp: 110309

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

