

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
 Data File : VX011775.D
 Acq On : 22 Aug 2019 20:26
 Operator : JC/SP
 Sample : K4403-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H1-(0)

Quant Time: Aug 23 02:05:54 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	421028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	582590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	560916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	278816	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	214931	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
35) Dibromofluoromethane	5.49	113	181371	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.28%	
50) Toluene-d8	8.71	98	697583	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.18%	
62) 4-Bromofluorobenzene	11.13	95	244445	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	

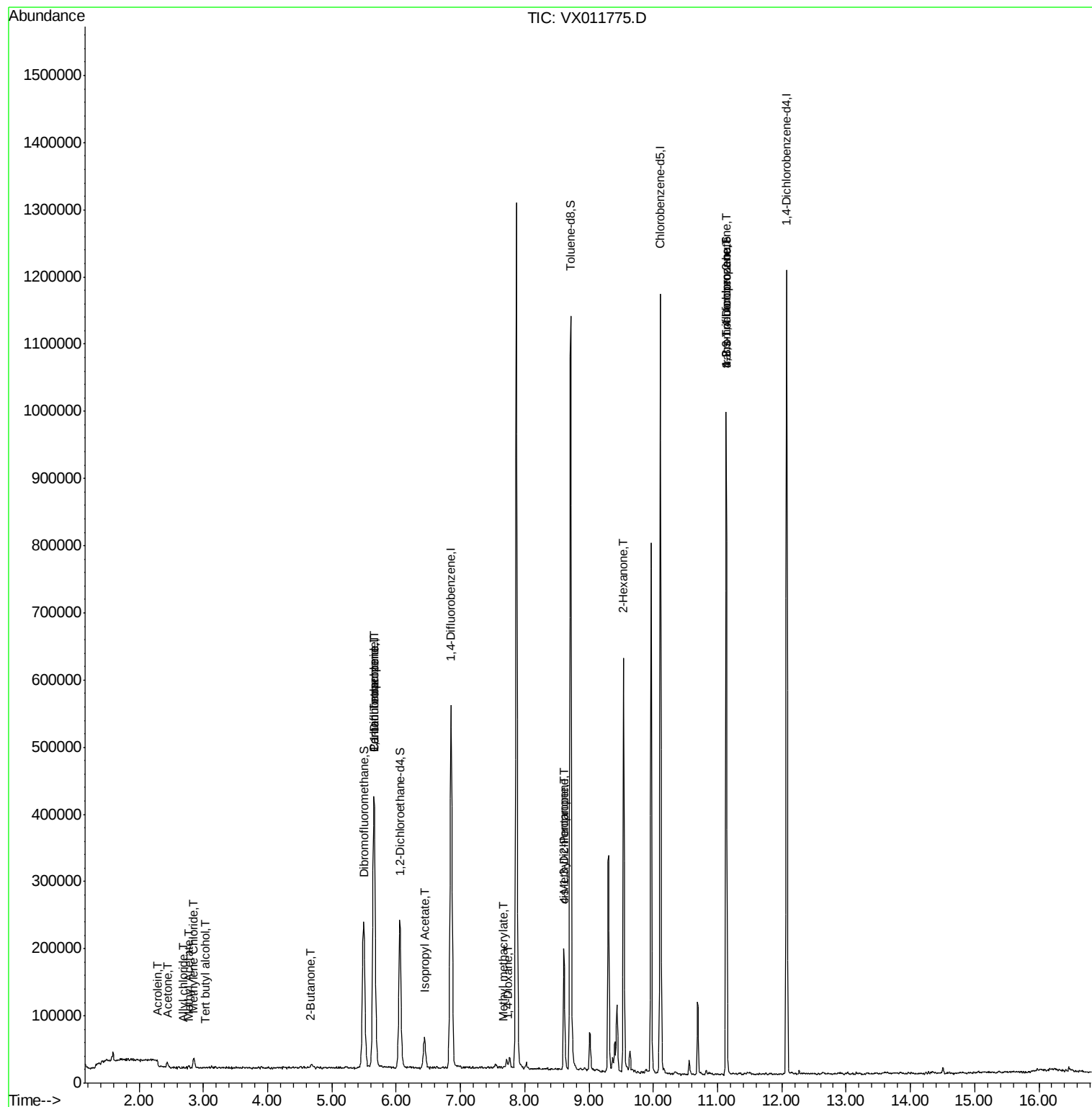
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	579	0.693	ug/l	100
13) Acrolein	2.29	56	534	1.653	ug/l #	16
14) Allyl chloride	2.70	41	1689	0.327	ug/l #	37
16) Acetone	2.43	43	8243	4.480	ug/l	90
18) Methyl Acetate	2.76	43	3888	0.779	ug/l #	85
20) Methylene Chloride	2.85	84	7321	1.946	ug/l	95
25) 2-Butanone	4.67	43	2557	0.968	ug/l #	83
36) 1,1-Dichloropropene	5.65	75	26374	5.773	ug/l #	50
38) Carbon Tetrachloride	5.65	117	37157	7.177	ug/l #	17
43) Isopropyl Acetate	6.45	43	62263	7.957	ug/l	99
48) Methyl methacrylate	7.68	41	3709	0.952	ug/l #	17
49) 1,4-Dioxane	7.74	88	218	2.020	ug/l #	26
51) 4-Methyl-2-Pentanone	8.61	43	58531	11.352	ug/l #	48
54) cis-1,3-Dichloropropene	8.61	75	28549	5.288	ug/l #	65
59) 2-Hexanone	9.54	43	69329	17.519	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	108819	22.243	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	108819	67.079	ug/l #	11

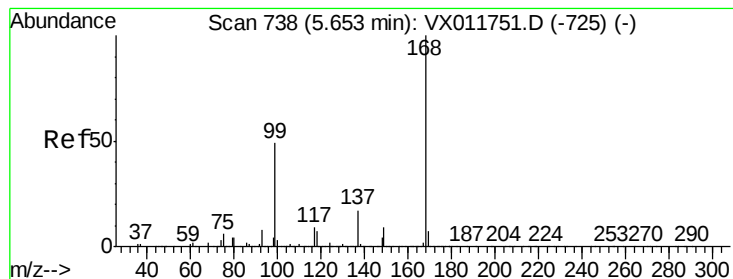
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T1-H1-(0)

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011775.D

Acq: 22 Aug 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

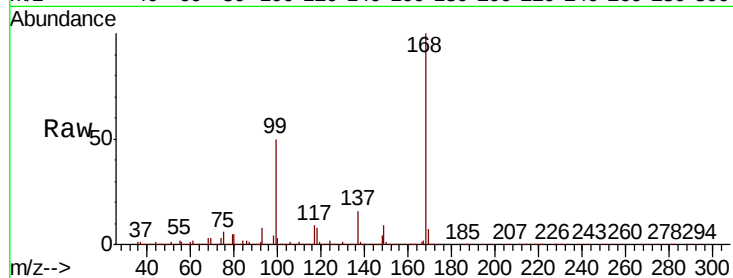
T1-H1-(0)

Tgt Ion:168 Resp: 421028

Ion Ratio Lower Upper

168 100

99 49.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

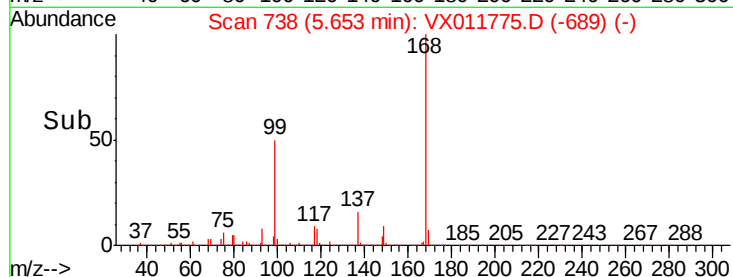
150000

100000

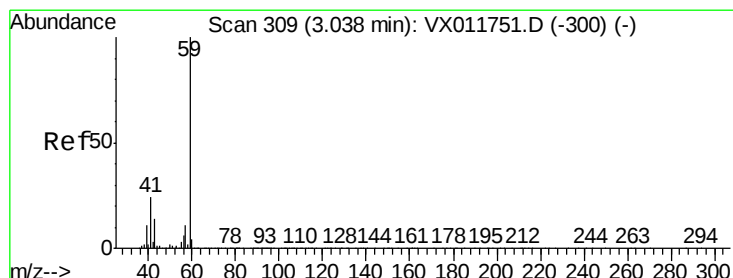
50000

0

5.50 5.60 5.70 5.80



Time-->



#11

Tert butyl alcohol

Concen: 0.693 ug/l

RT: 3.04 min Scan# 310

Delta R.T. 0.01 min

Lab File: VX011775.D

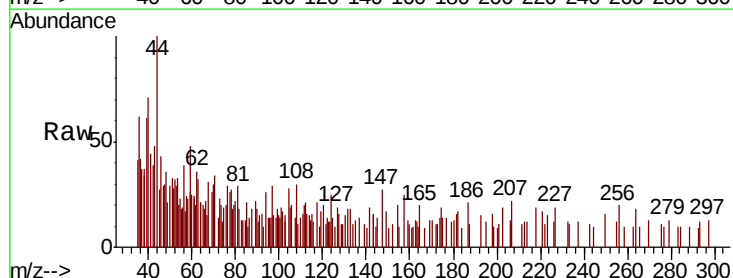
Acq: 22 Aug 2019 20:26

Tgt Ion: 59 Resp: 579

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

500

400

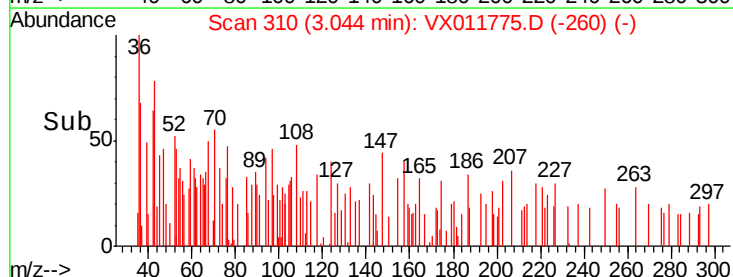
300

200

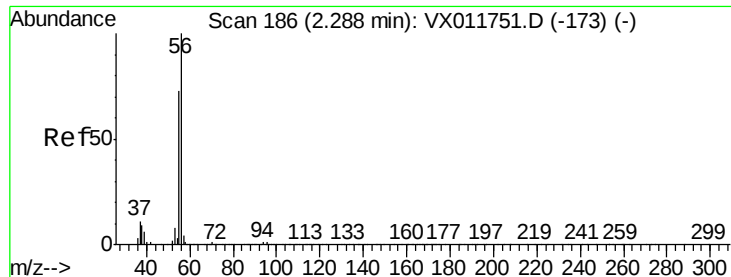
100

0

3.00 3.05



Time-->



#13

Acrolein

Concen: 1.653 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011775.D

Acq: 22 Aug 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

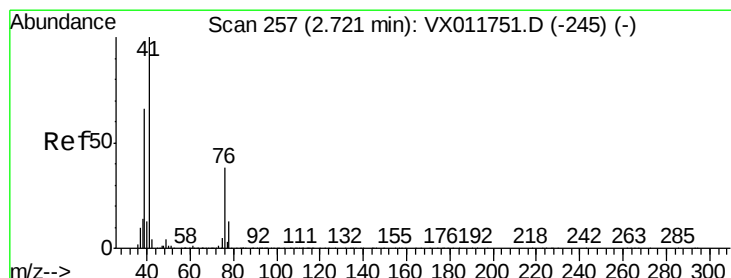
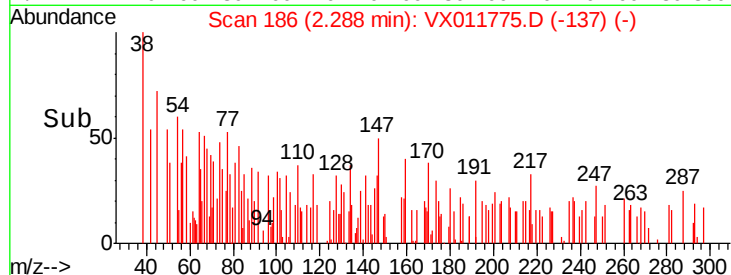
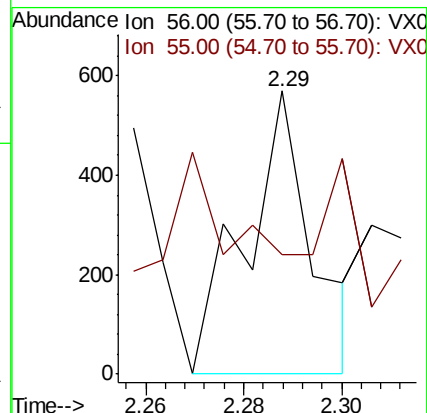
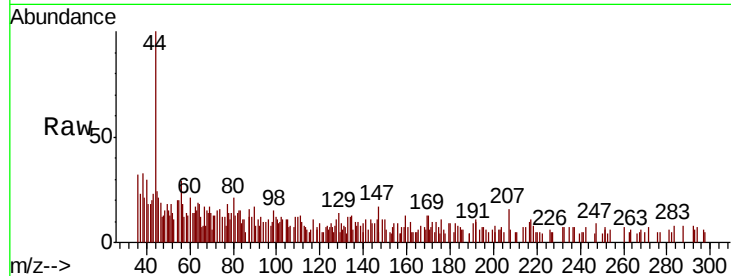
T1-H1-(0)

Tgt Ion: 56 Resp: 534

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



#14

Allyl chloride

Concen: 0.327 ug/l

RT: 2.70 min Scan# 253

Delta R.T. -0.02 min

Lab File: VX011775.D

Acq: 22 Aug 2019 20:26

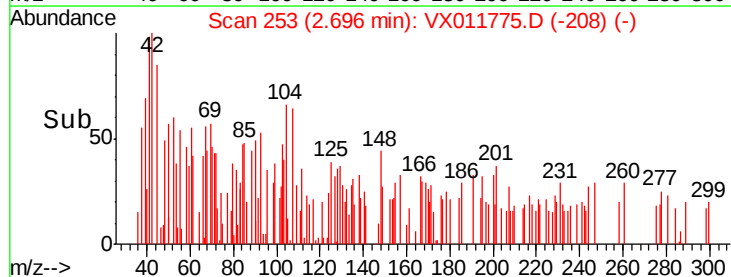
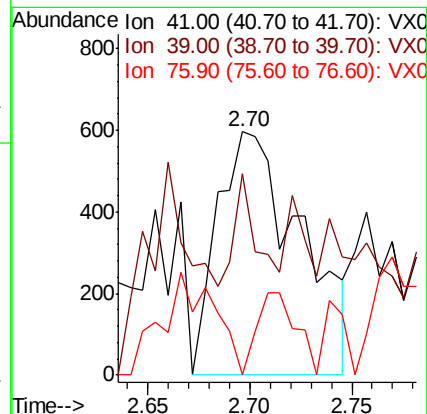
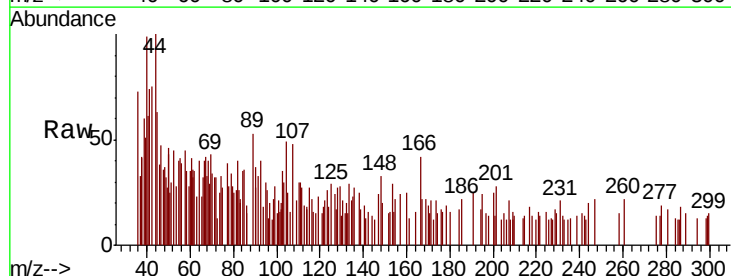
Tgt Ion: 41 Resp: 1689

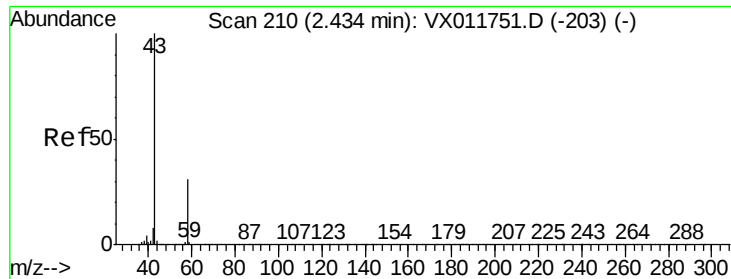
Ion Ratio Lower Upper

41 100

39 11.4 49.3 73.9#

76 0.0 26.8 40.2#





#16

Acetone

Concen: 4.480 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011775.D

Acq: 22 Aug 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

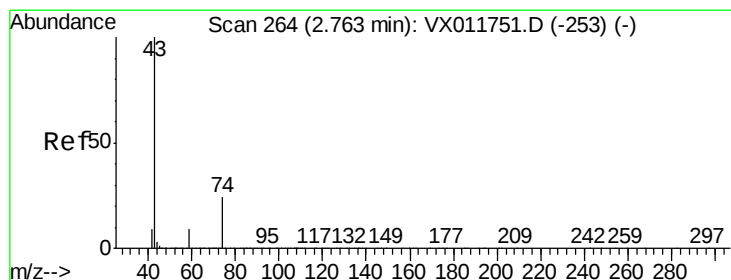
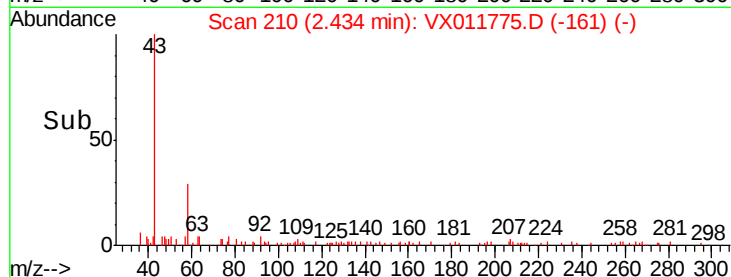
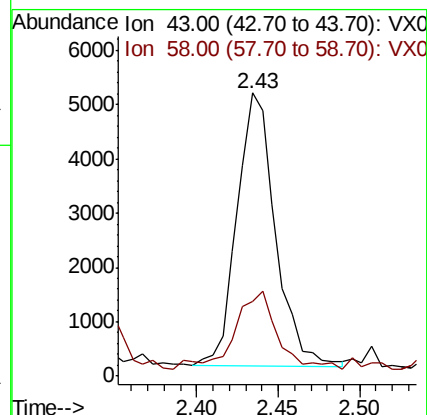
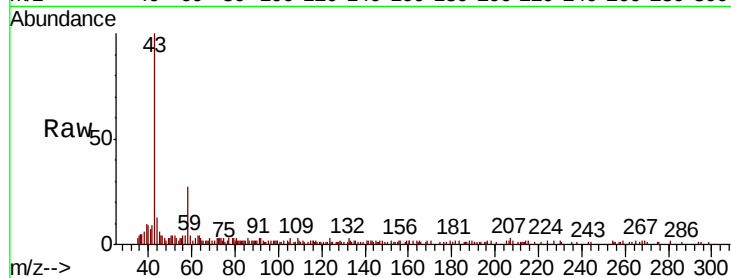
T1-H1-(0)

Tgt Ion: 43 Resp: 8243

Ion Ratio Lower Upper

43 100

58 24.9 24.4 36.6



#18

Methyl Acetate

Concen: 0.779 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011775.D

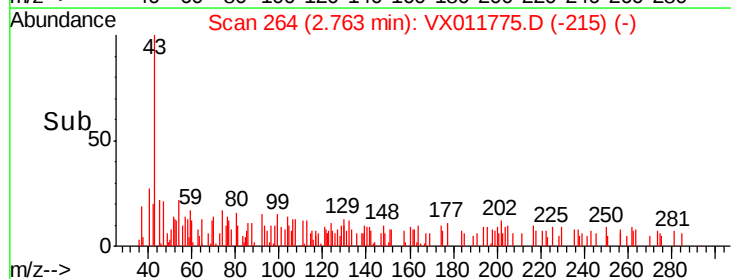
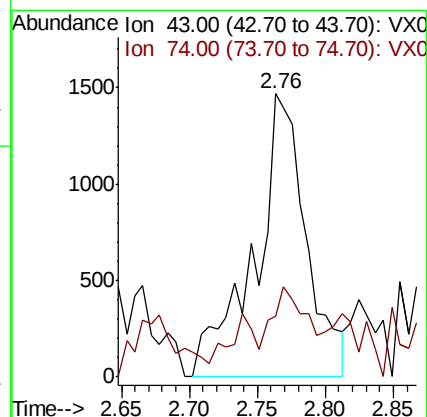
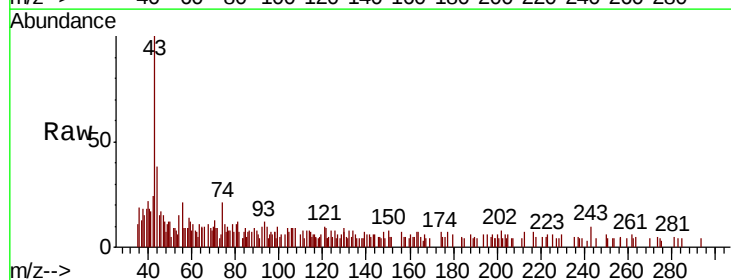
Acq: 22 Aug 2019 20:26

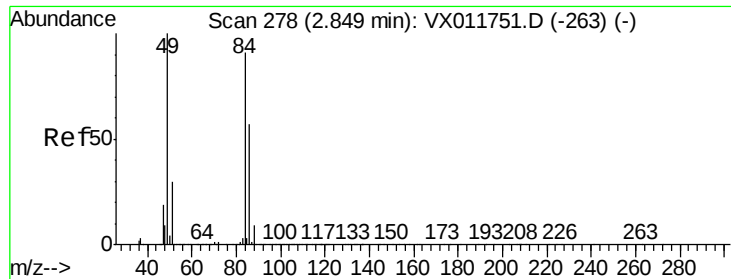
Tgt Ion: 43 Resp: 3888

Ion Ratio Lower Upper

43 100

74 17.2 19.5 29.3#

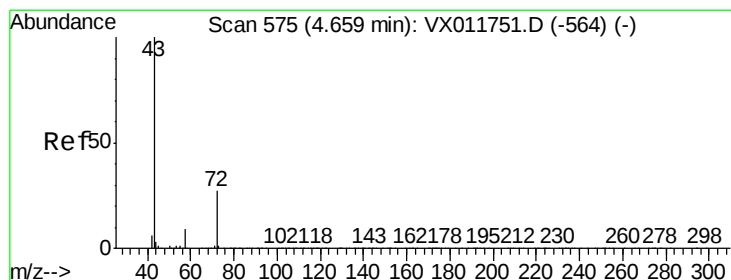
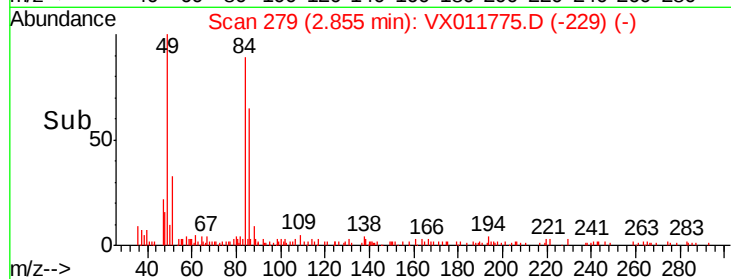
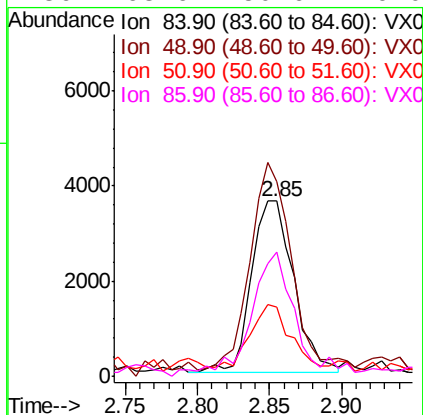
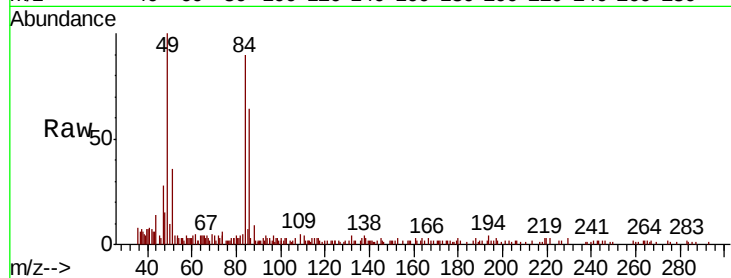




#20
Methylene Chloride
Concen: 1.946 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011775.D
Acq: 22 Aug 2019 20:26

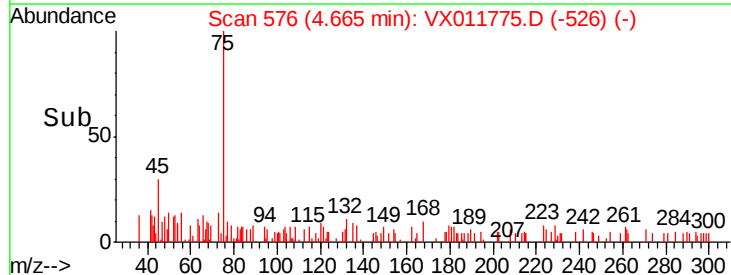
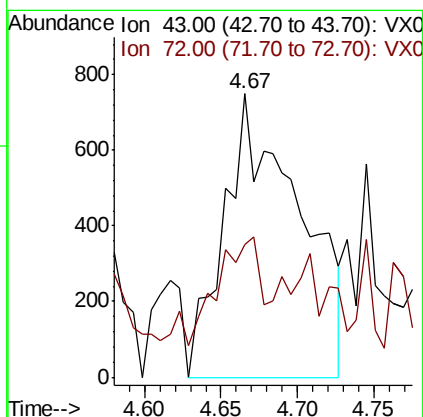
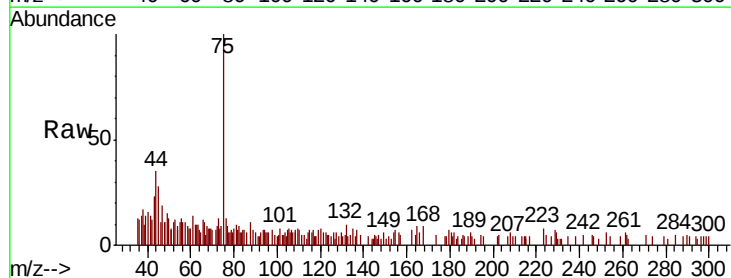
Instrument :
MSVOA_X
ClientSampleId :
T1-H1-(0)

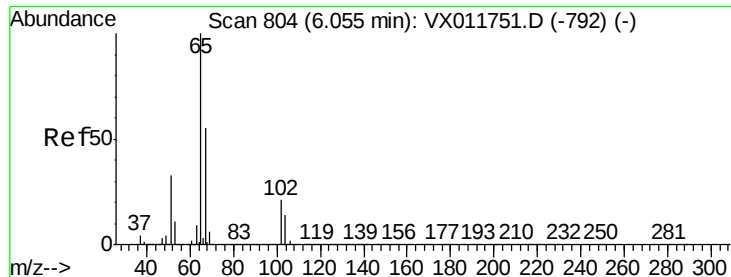
Tgt Ion:	84	Resp:	7321
Ion	Ratio	Lower	Upper
84	100		
49	105.3	88.3	132.5
51	31.6	26.2	39.2
86	68.6	50.6	76.0



#25
2-Butanone
Concen: 0.968 ug/l
RT: 4.67 min Scan# 576
Delta R.T. 0.01 min
Lab File: VX011775.D
Acq: 22 Aug 2019 20:26

Tgt Ion:	43	Resp:	2557
Ion	Ratio	Lower	Upper
43	100		
72	35.8	21.8	32.6#





#33

1,2-Dichloroethane-d4

Concen: 50.817 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011775.D

Acq: 22 Aug 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

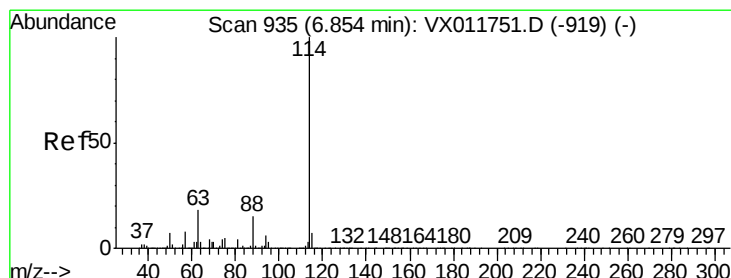
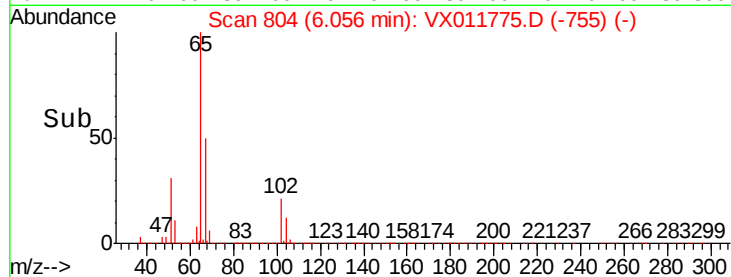
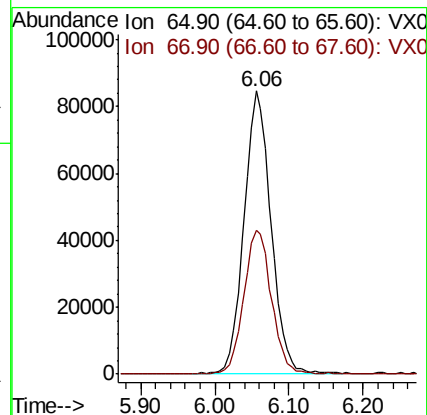
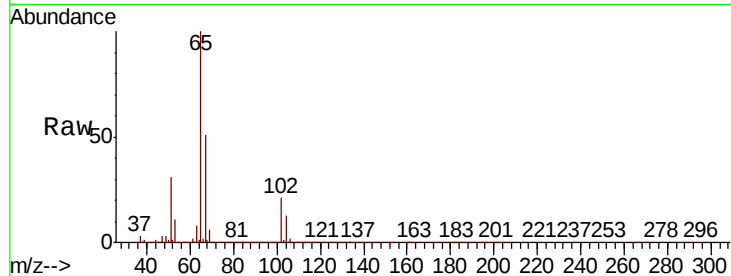
T1-H1-(0)

Tgt Ion: 65 Resp: 214931

Ion Ratio Lower Upper

65 100

67 51.4 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: VX011775.D

Acq: 22 Aug 2019 20:26

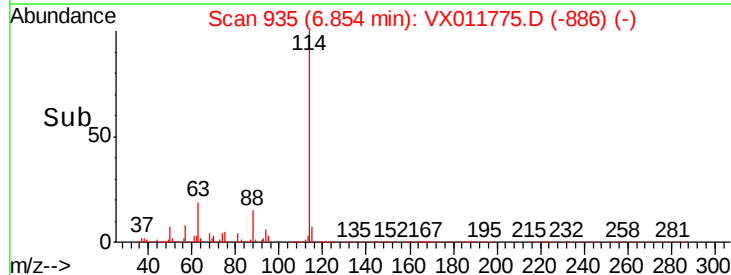
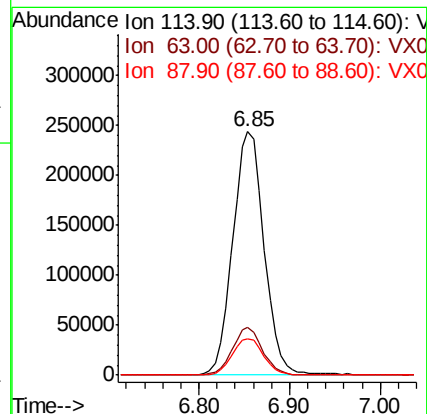
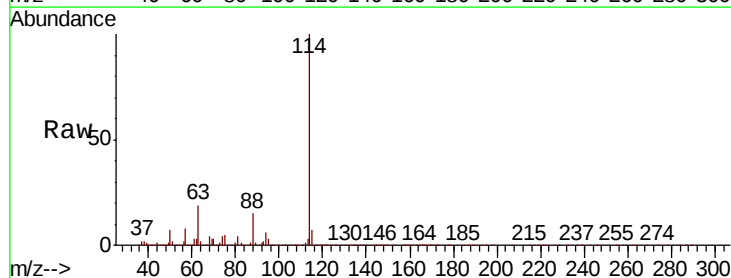
Tgt Ion: 114 Resp: 582590

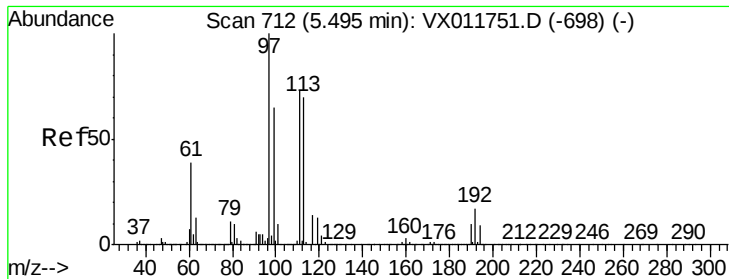
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.8

88 14.9 0.0 30.2

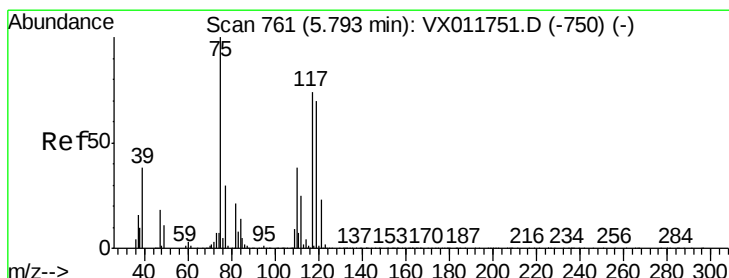
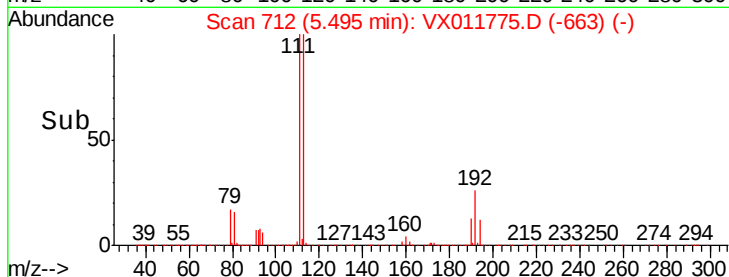
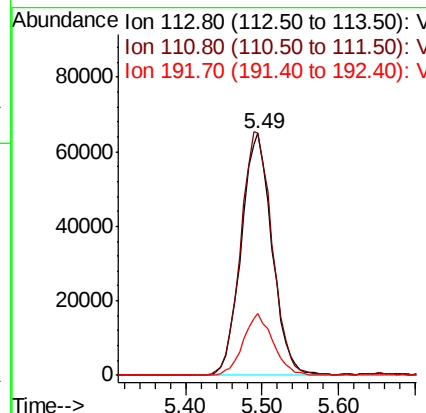
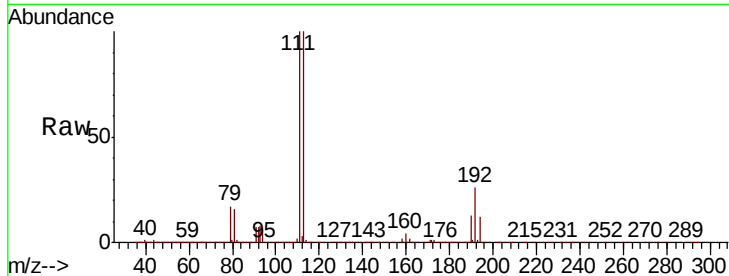




#35
 Dibromofluoromethane
 Concen: 48.144 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011775.D
 Acq: 22 Aug 2019 20:26

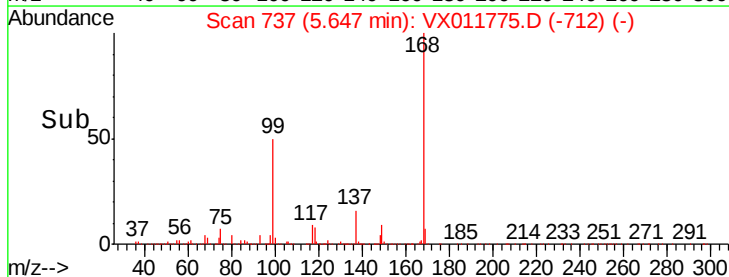
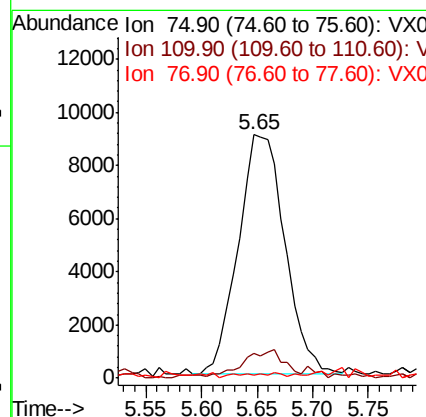
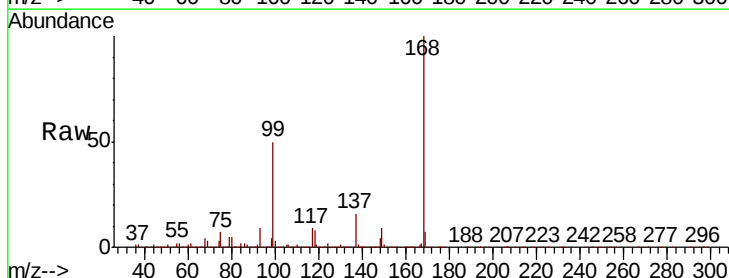
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H1-(0)

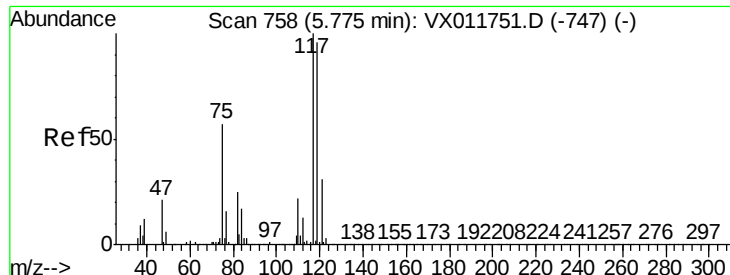
Tgt Ion: 113 Resp: 181371
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.0 121.4
 192 25.0 19.9 29.9



#36
 1,1-Dichloropropene
 Concen: 5.773 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011775.D
 Acq: 22 Aug 2019 20:26

Tgt Ion: 75 Resp: 26374
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.0 57.0#
 77 0.4 24.6 36.8#

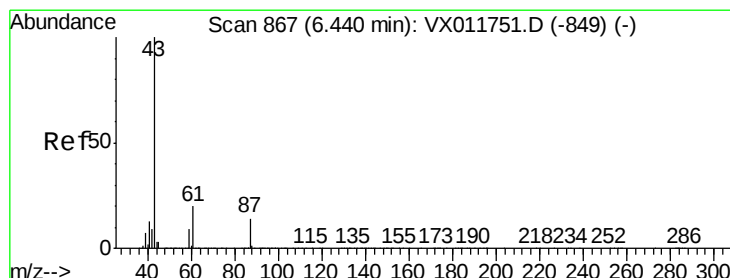
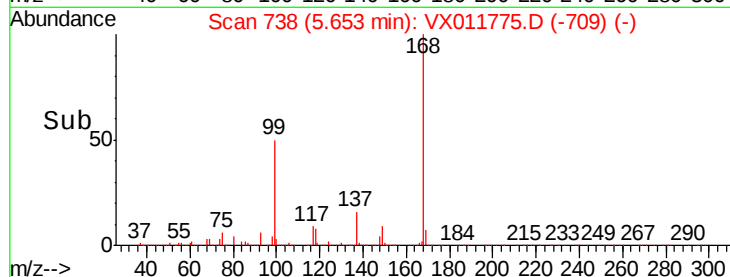
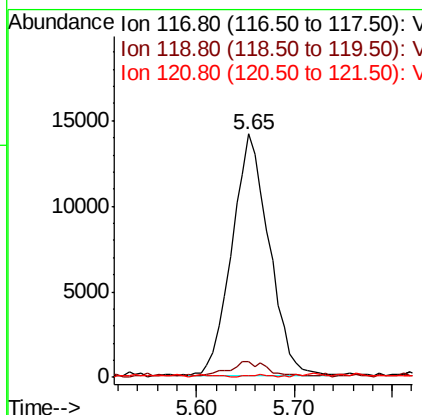
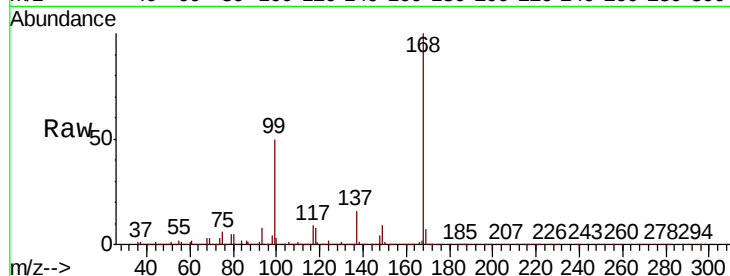




#38
Carbon Tetrachloride
Concen: 7.177 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.12 min
Lab File: VX011775.D
Acq: 22 Aug 2019 20:26

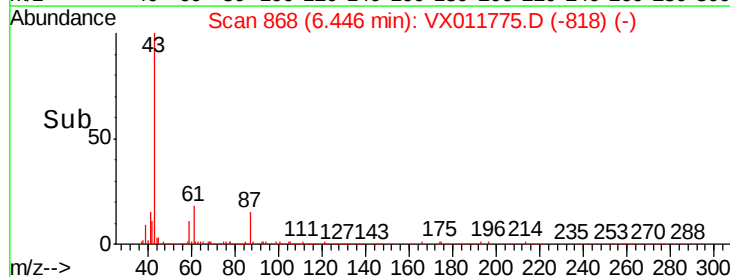
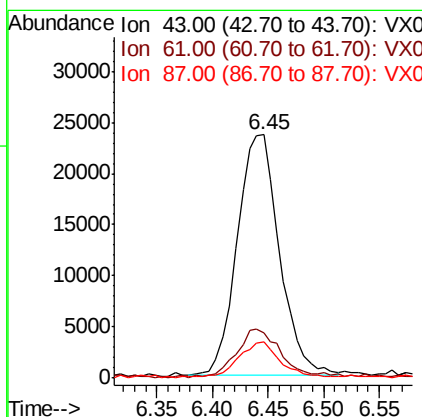
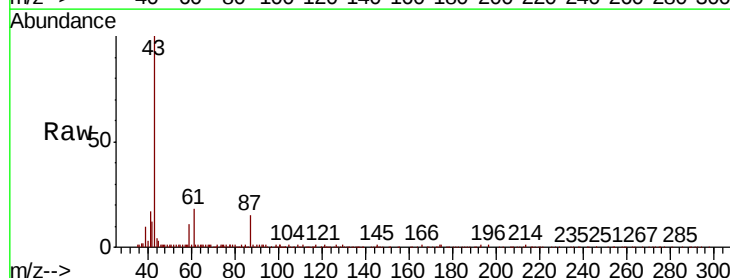
Instrument :
MSVOA_X
ClientSampleId :
T1-H1-(0)

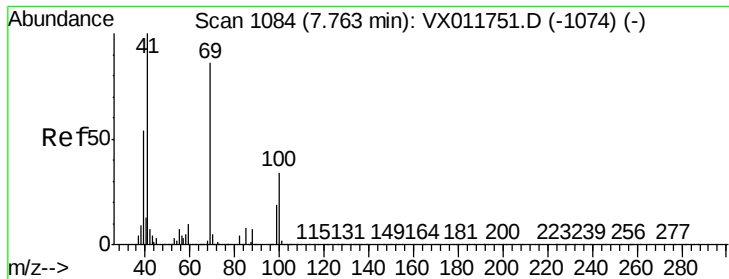
Tgt Ion: 117 Resp: 37157
Ion Ratio Lower Upper
117 100
119 5.8 76.6 114.8#
121 0.4 25.2 37.8#



#43
Isopropyl Acetate
Concen: 7.957 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX011775.D
Acq: 22 Aug 2019 20:26

Tgt Ion: 43 Resp: 62263
Ion Ratio Lower Upper
43 100
61 20.9 16.2 24.2
87 14.0 11.6 17.4

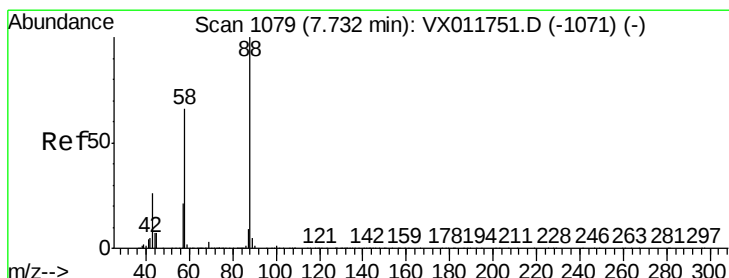
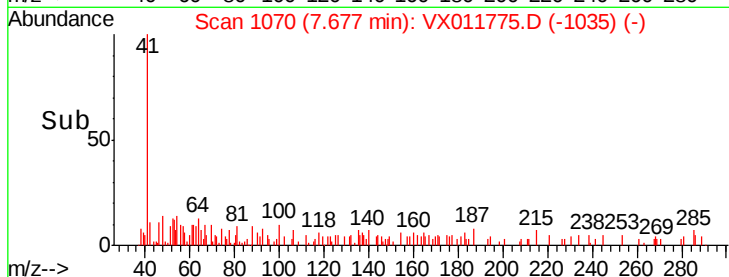
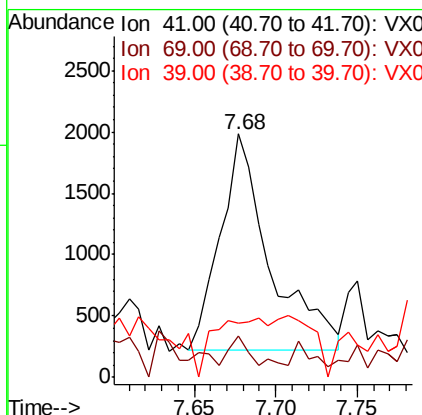
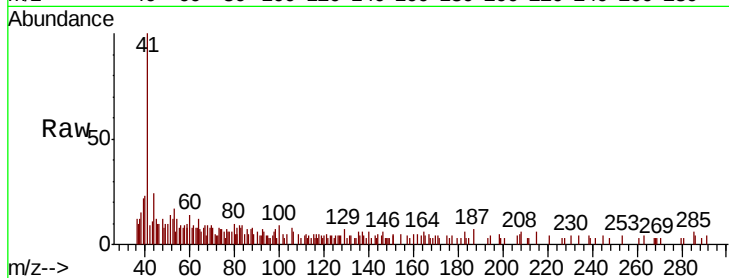




#48
Methyl methacrylate
Concen: 0.952 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011775.D
Acq: 22 Aug 2019 20:26

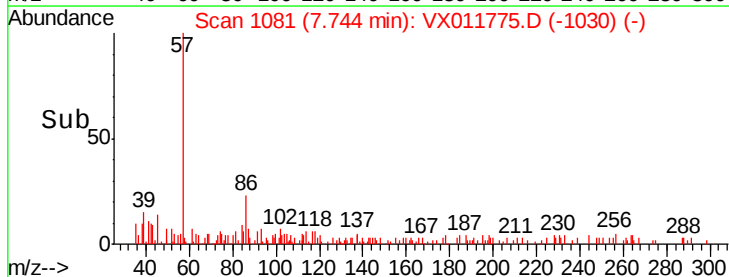
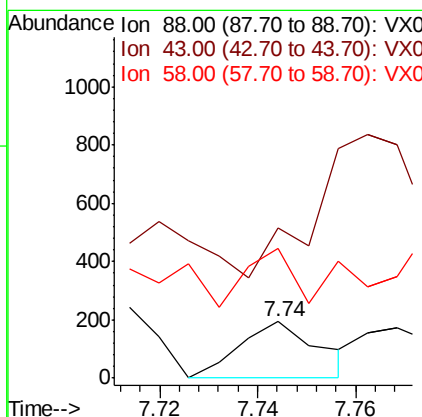
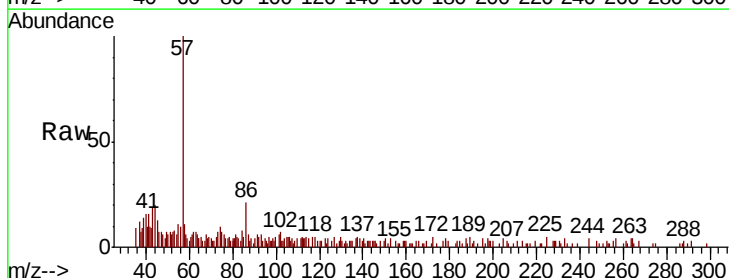
Instrument :
MSVOA_X
ClientSampleId :
T1-H1-(0)

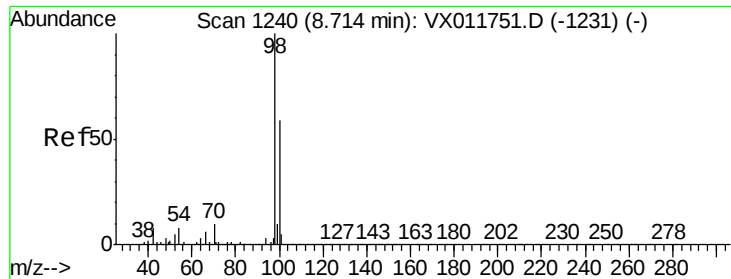
Tgt Ion: 41 Resp: 3709
Ion Ratio Lower Upper
41 100
69 6.0 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 2.020 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011775.D
Acq: 22 Aug 2019 20:26

Tgt Ion: 88 Resp: 218
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 0.0 51.4 77.2#

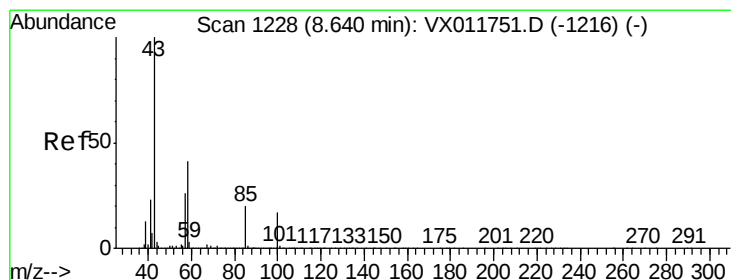
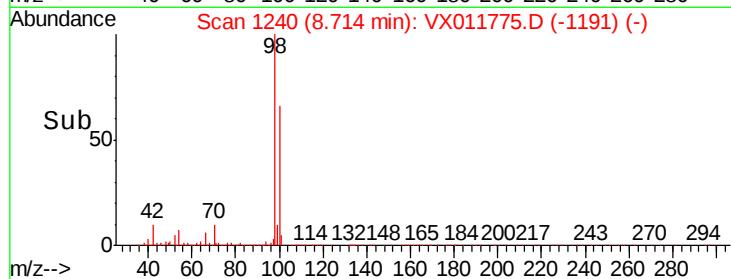
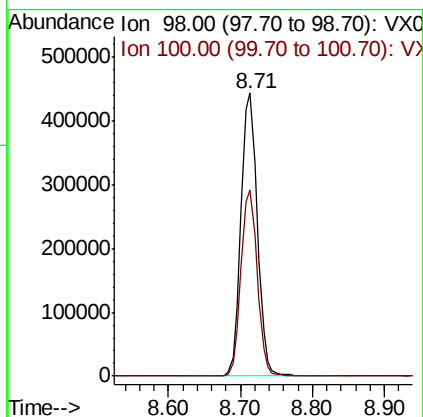
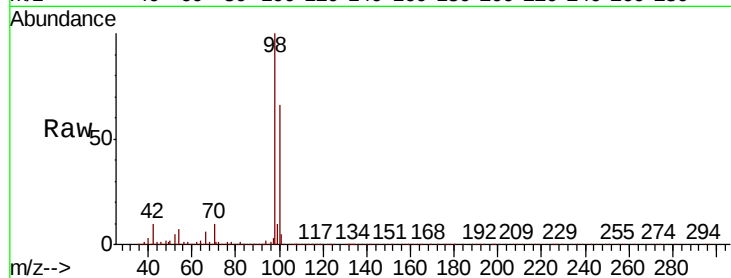




#50
Toluene-d8
Concen: 53.087 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011775.D
Acq: 22 Aug 2019 20:26

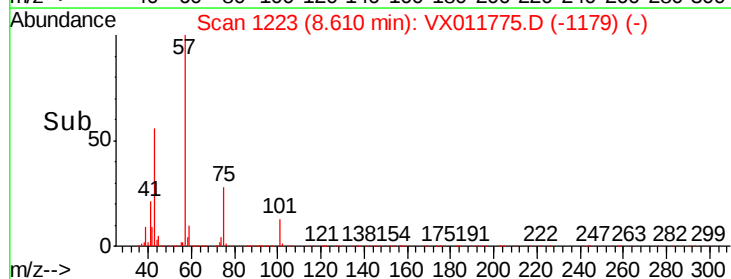
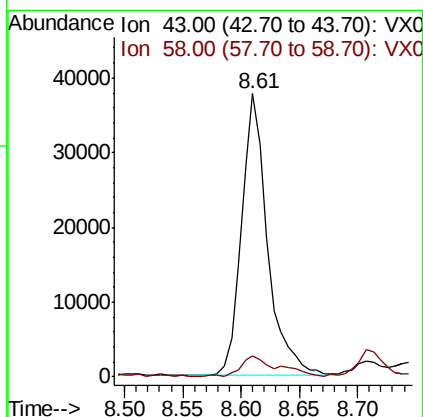
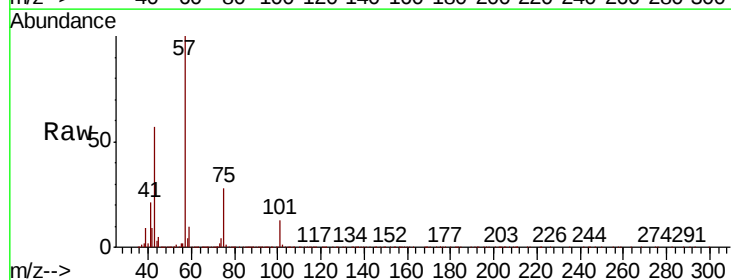
Instrument :
MSVOA_X
ClientSampleId :
T1-H1-(0)

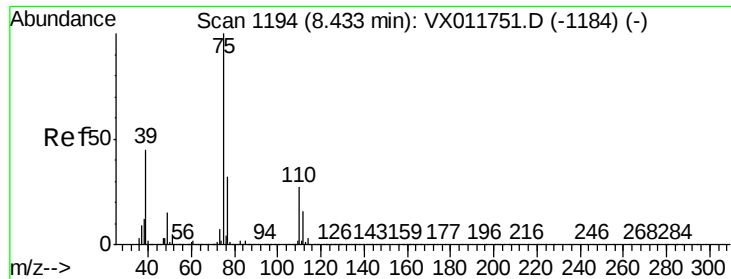
Tgt Ion: 98 Resp: 697583
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 11.352 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011775.D
Acq: 22 Aug 2019 20:26

Tgt Ion: 43 Resp: 58531
Ion Ratio Lower Upper
43 100
58 7.6 31.8 47.6#

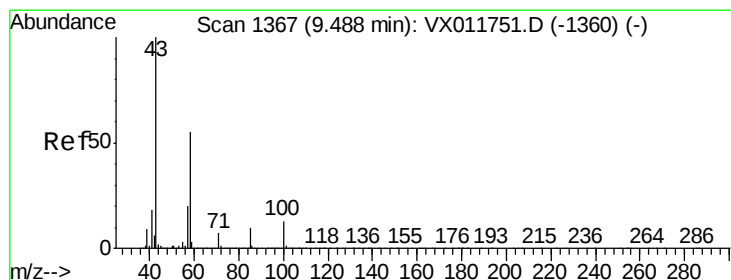
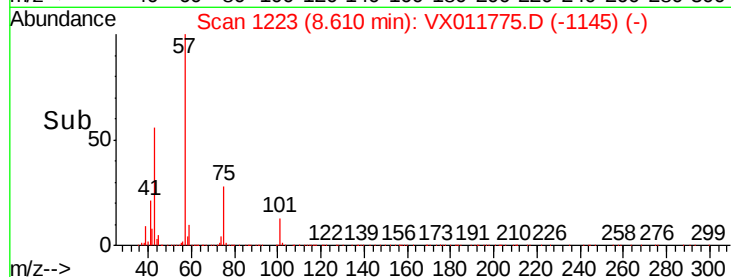
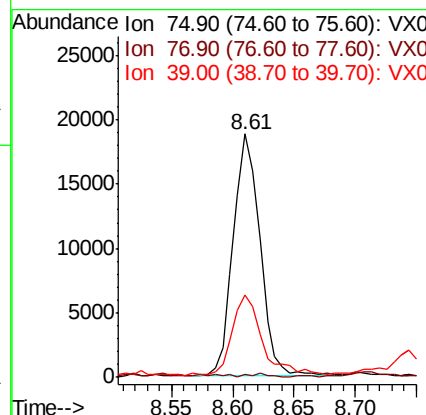
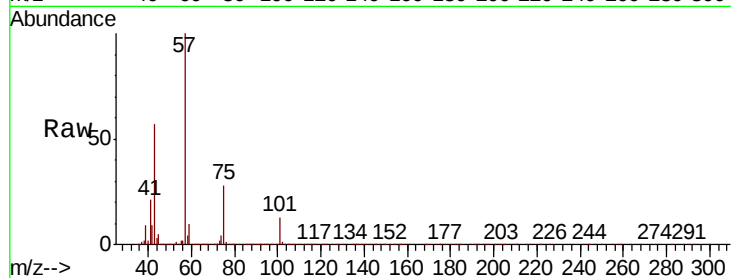




#54
 cis-1,3-Dichloropropene
 Concen: 5.288 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011775.D
 Acq: 22 Aug 2019 20:26

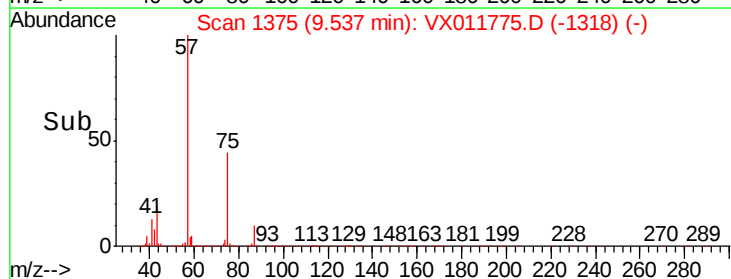
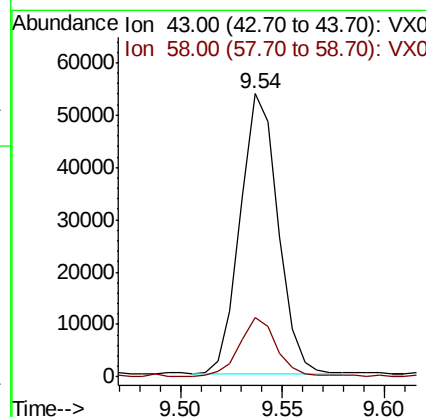
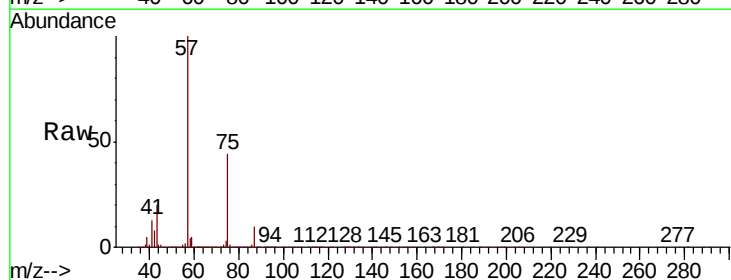
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H1-(0)

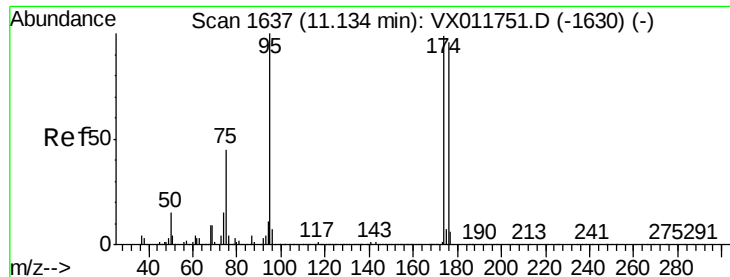
Tgt Ion: 75 Resp: 28549
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.4 38.2#
 39 32.1 36.2 54.4#



#59
 2-Hexanone
 Concen: 17.519 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011775.D
 Acq: 22 Aug 2019 20:26

Tgt Ion: 43 Resp: 69329
 Ion Ratio Lower Upper
 43 100
 58 21.2 27.7 83.1#

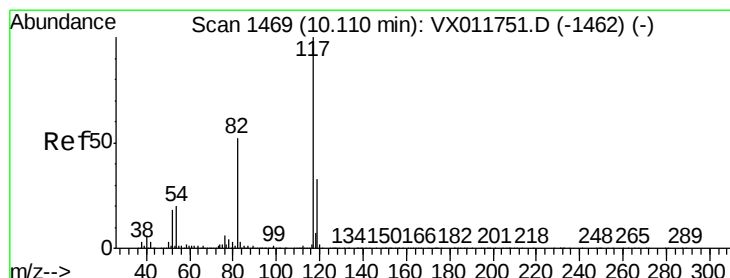
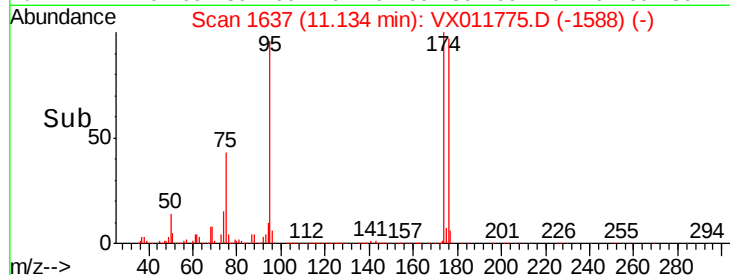
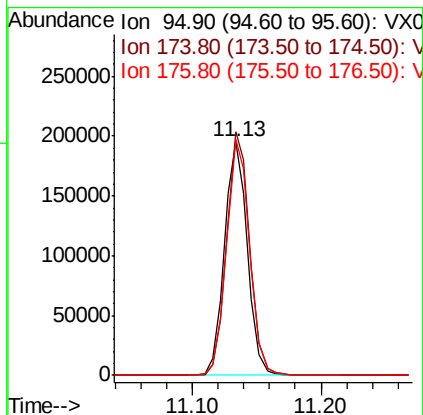
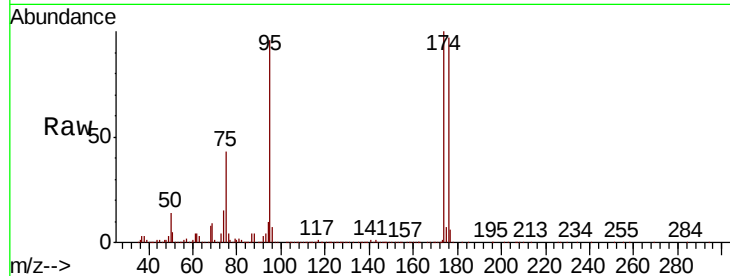




#62
4-Bromofluorobenzene
Concen: 47.065 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011775.D
Acq: 22 Aug 2019 20:26

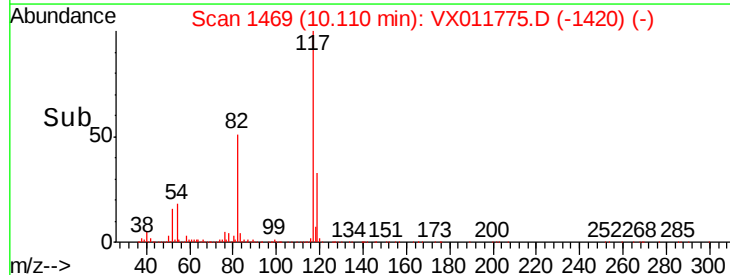
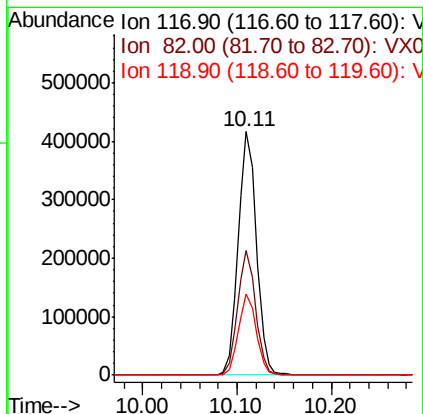
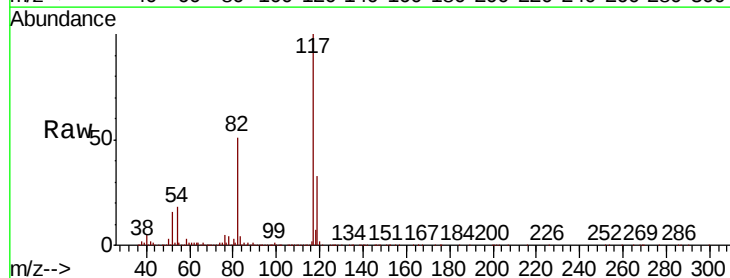
Instrument :
MSVOA_X
ClientSampleId :
T1-H1-(0)

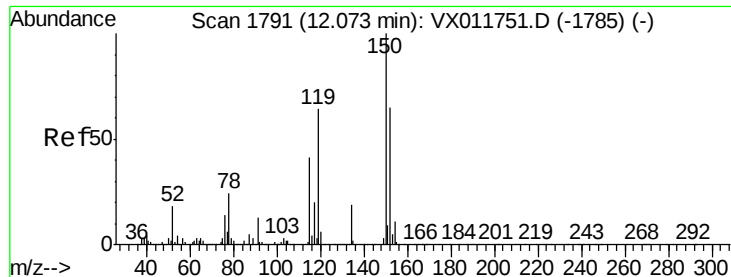
Tgt Ion: 95 Resp: 244445
Ion Ratio Lower Upper
95 100
174 104.6 0.0 197.4
176 101.8 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011775.D
Acq: 22 Aug 2019 20:26

Tgt Ion: 117 Resp: 560916
Ion Ratio Lower Upper
117 100
82 51.2 41.7 62.5
119 33.1 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: VX011775.D

Acq: 22 Aug 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

T1-H1-(0)

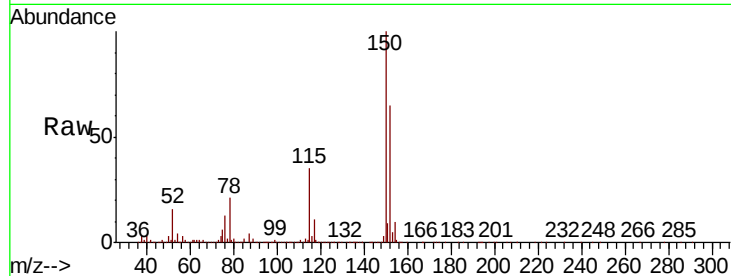
Tgt Ion:152 Resp: 278816

Ion Ratio Lower Upper

152 100

115 52.2 37.3 111.8

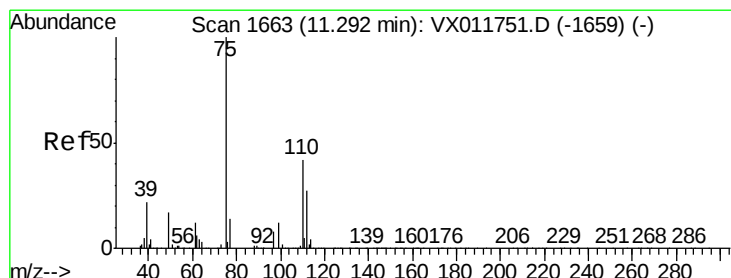
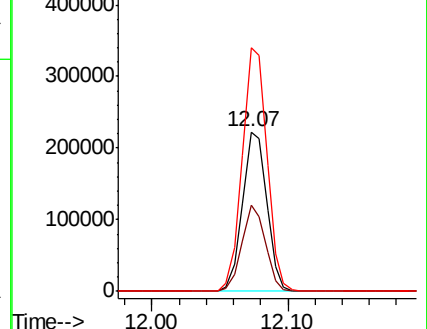
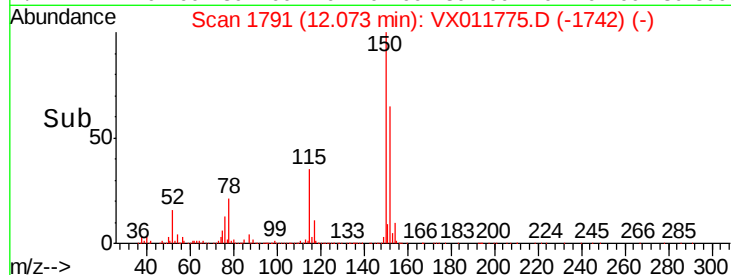
150 154.4 0.0 343.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.243 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011775.D

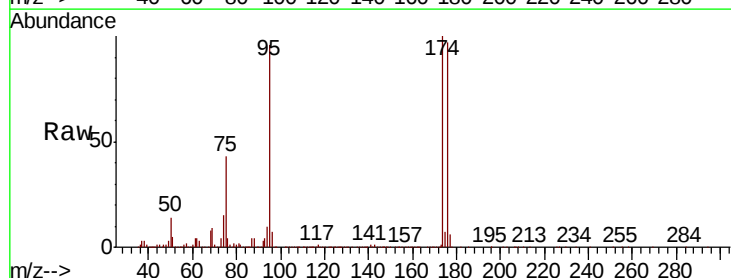
Acq: 22 Aug 2019 20:26

Tgt Ion: 75 Resp: 108819

Ion Ratio Lower Upper

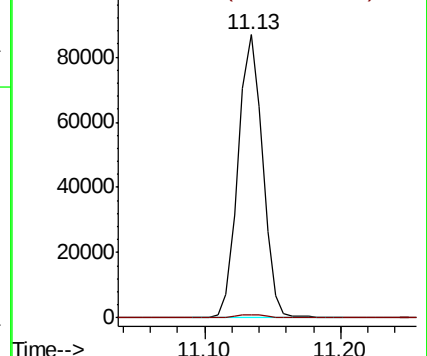
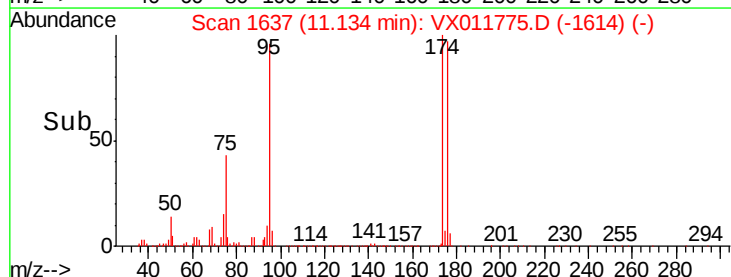
75 100

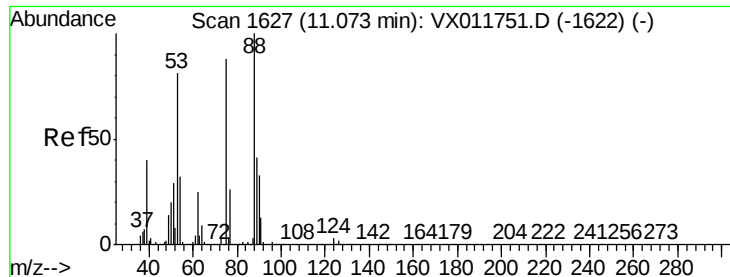
77 1.6 21.1 63.3#



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: 67.079 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011775.D

Acq: 22 Aug 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

T1-H1-(0)

Tgt Ion: 75 Resp: 108819

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.0 38.5 57.7#

