

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112119\
 Data File : VX013499.D
 Acq On : 21 Nov 2019 13:40
 Operator : JC/SP
 Sample : K5962-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

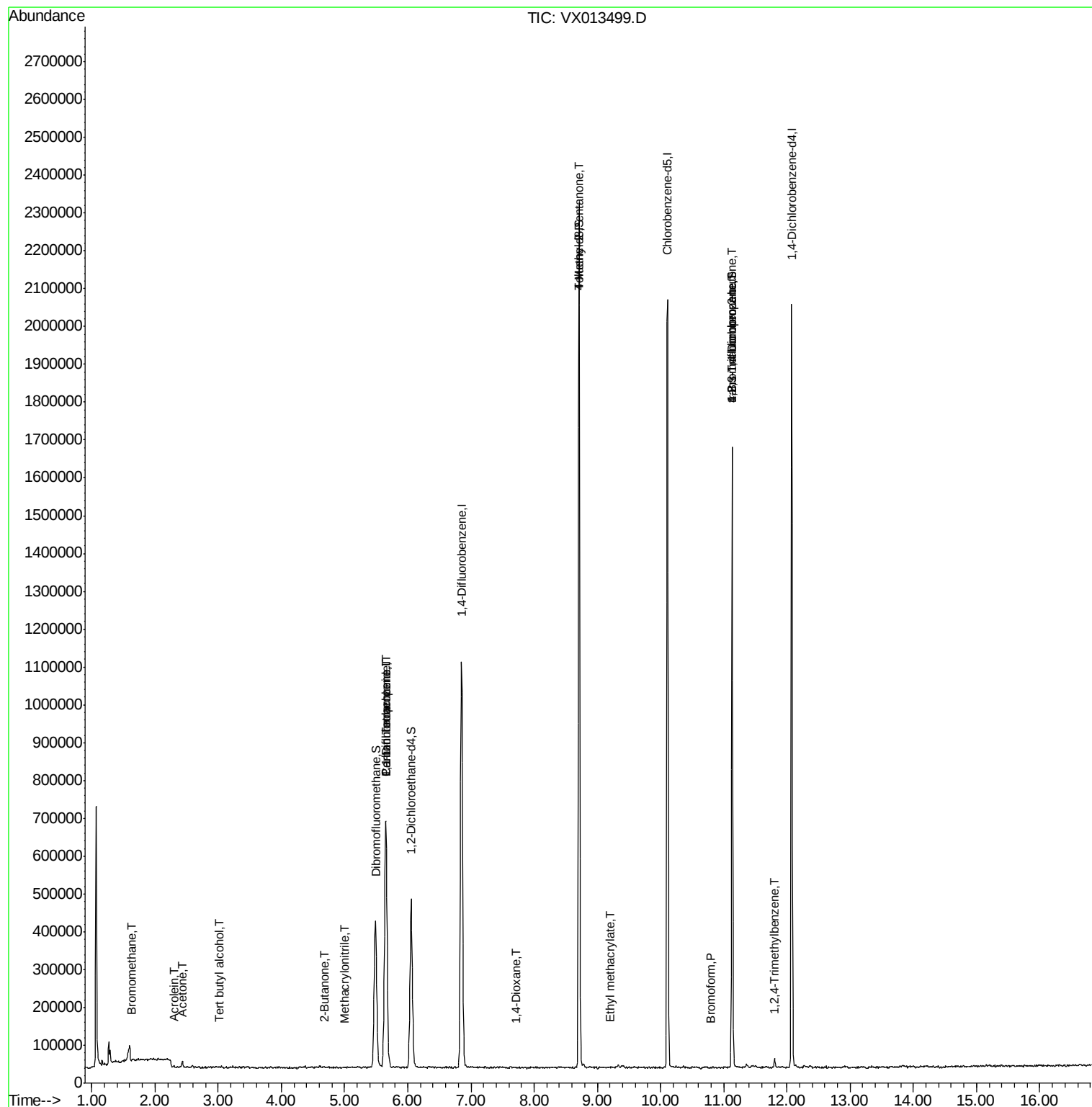
Quant Time: Nov 22 01:07:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

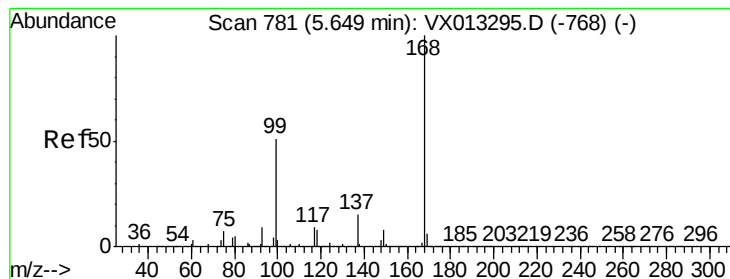
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	688853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1117804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	986341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	423934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	405755	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	5.49	113	334030	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	8.71	98	1324661	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.14	95	426083	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	1392	0.204	ug/l	93
6) Chloroethane	1.63	64	2113	Below Cal	#	53
11) Tert butyl alcohol	3.02	59	3094	1.438	ug/l #	90
13) Acrolein	2.29	56	331	0.284	ug/l	88
16) Acetone	2.43	43	18484	4.541	ug/l #	87
25) 2-Butanone	4.68	43	2282	0.382	ug/l #	88
36) 1,1-Dichloropropene	5.65	75	44906	4.683	ug/l #	48
38) Carbon Tetrachloride	5.65	117	59578	6.353	ug/l #	16
41) Methacrylonitrile	5.00	41	1893	0.285	ug/l #	32
49) 1,4-Dioxane	7.72	88	187	0.887	ug/l #	57
51) 4-Methyl-2-Pentanone	8.72	43	7013	0.579	ug/l #	1
56) Ethyl methacrylate	9.20	69	413	1.594	ug/l #	38
71) Bromoform	10.80	173	368	3.253	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	211394	24.550	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	211394	63.192	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	13001	0.554	ug/l	90

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013499.D

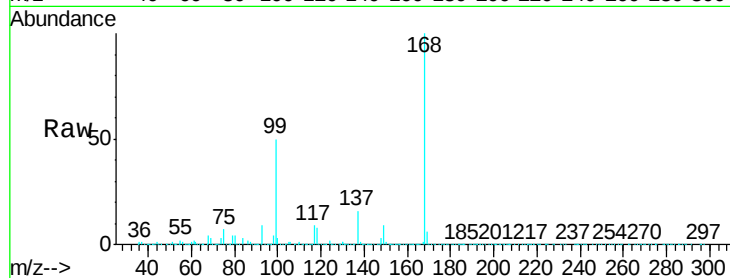
Acq: 21 Nov 2019 13:40

Tgt Ion: 168 Resp: 688853

Ion Ratio Lower Upper

168 100

99 50.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

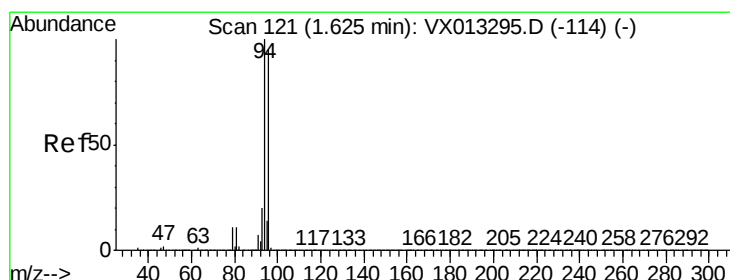
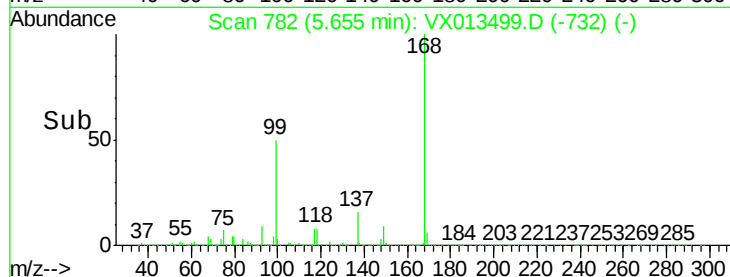
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.204 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013499.D

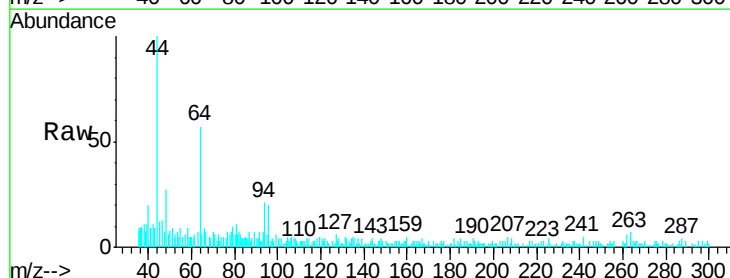
Acq: 21 Nov 2019 13:40

Tgt Ion: 94 Resp: 1392

Ion Ratio Lower Upper

94 100

96 87.7 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

600

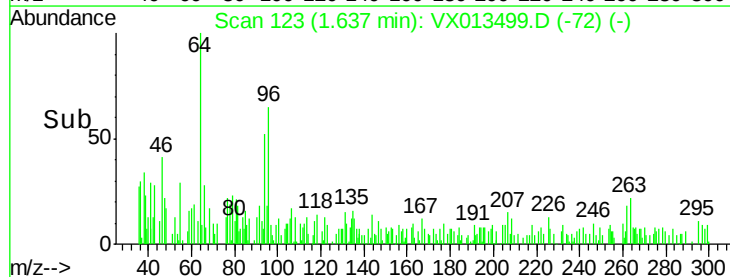
400

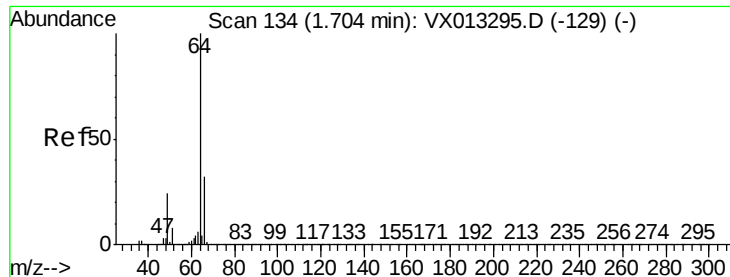
200

0

1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. -0.07 min

Lab File: VX013499.D

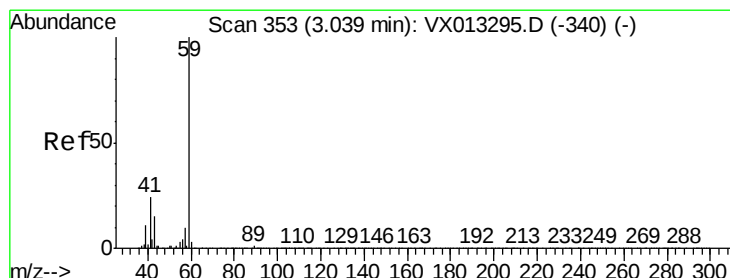
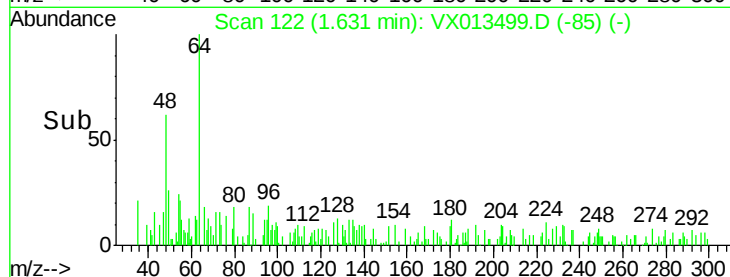
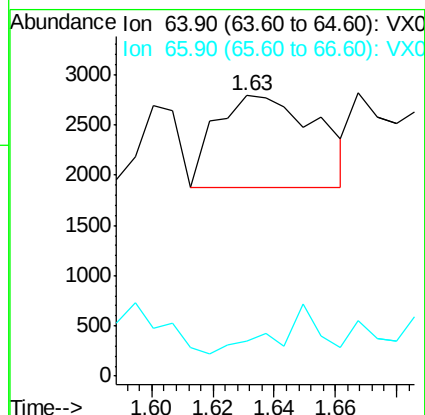
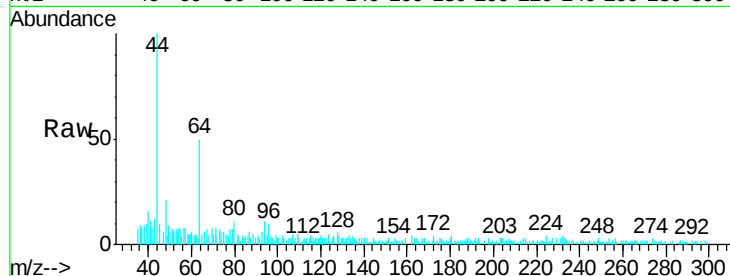
Acq: 21 Nov 2019 13:40

Tgt Ion: 64 Resp: 2113

Ion Ratio Lower Upper

64 100

66 5.7 25.6 38.4#



#11

Tert butyl alcohol

Concen: 1.438 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX013499.D

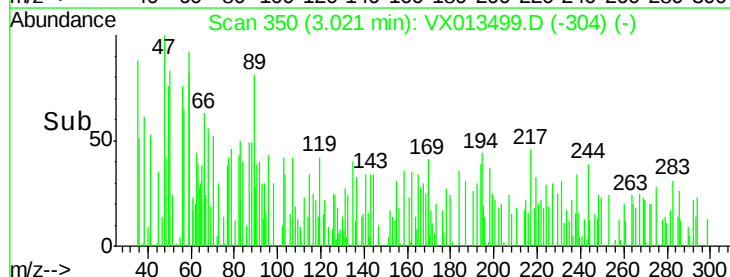
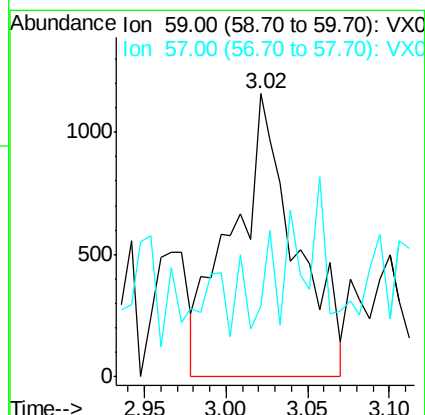
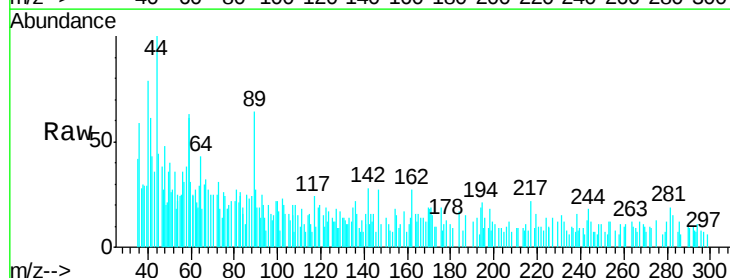
Acq: 21 Nov 2019 13:40

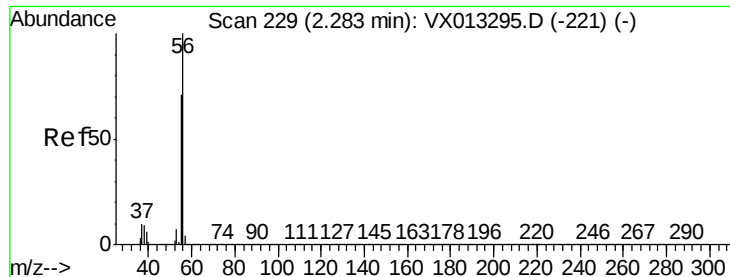
Tgt Ion: 59 Resp: 3094

Ion Ratio Lower Upper

59 100

57 6.3 8.0 12.0#





#13

Acrolein

Concen: 0.284 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013499.D

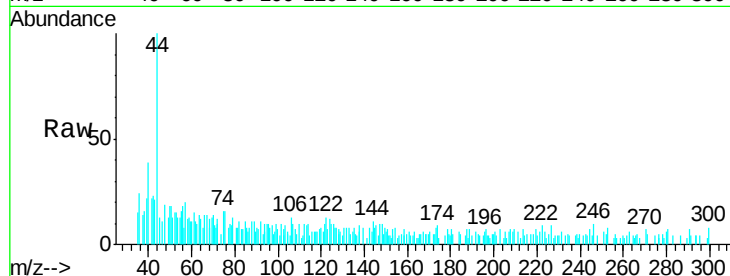
Acq: 21 Nov 2019 13:40

Tgt Ion: 56 Resp: 331

Ion Ratio Lower Upper

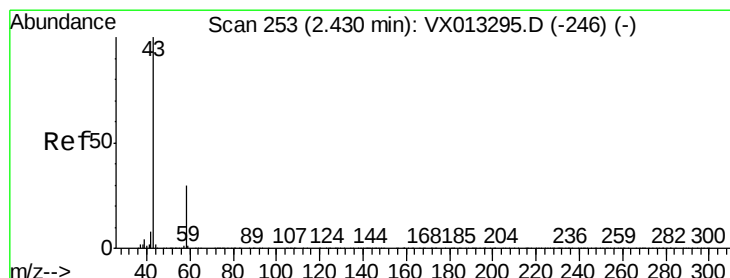
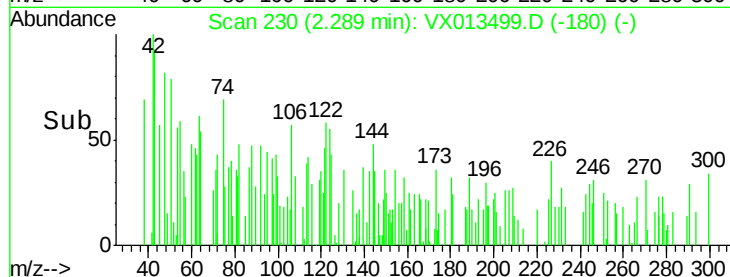
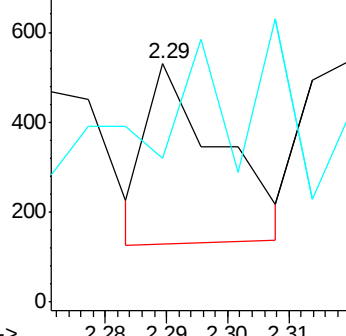
56 100

55 61.6 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.541 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013499.D

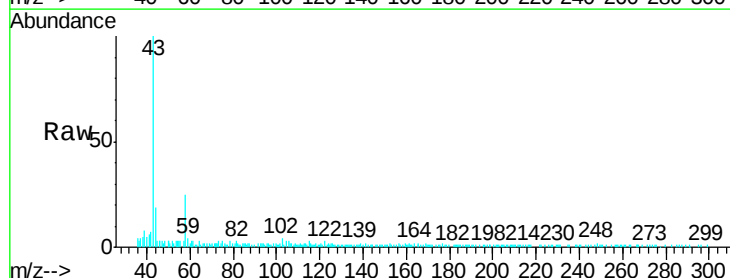
Acq: 21 Nov 2019 13:40

Tgt Ion: 43 Resp: 18484

Ion Ratio Lower Upper

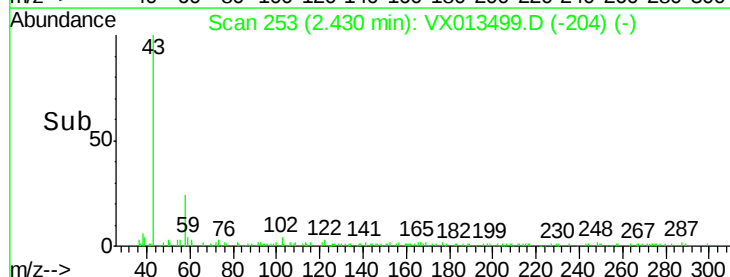
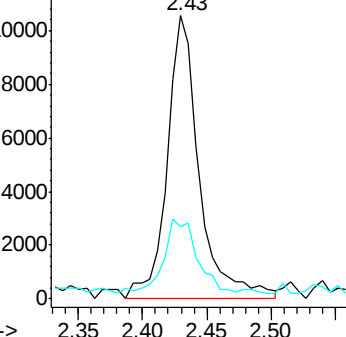
43 100

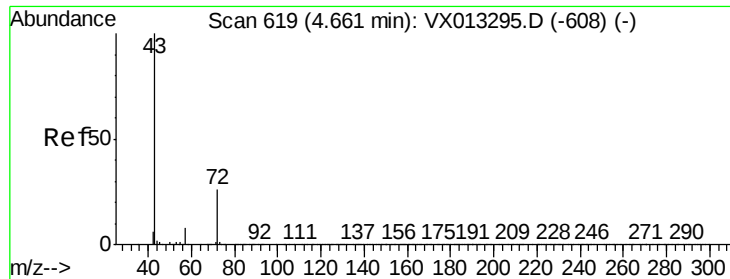
58 23.5 24.3 36.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.382 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013499.D

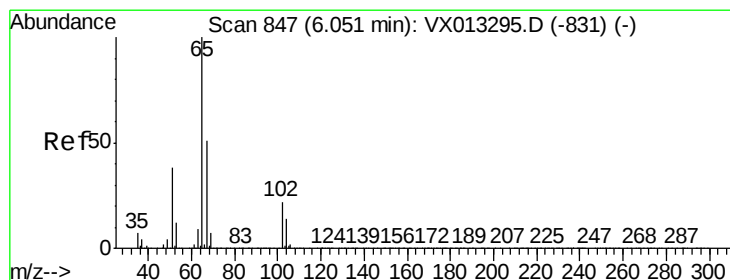
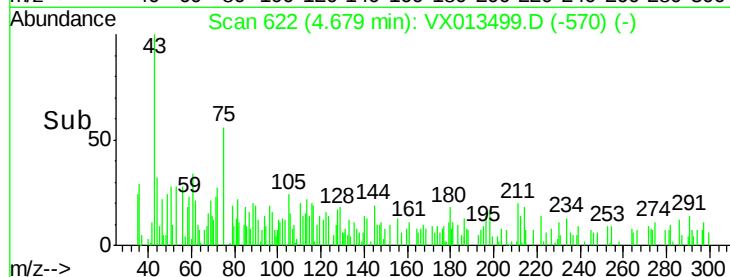
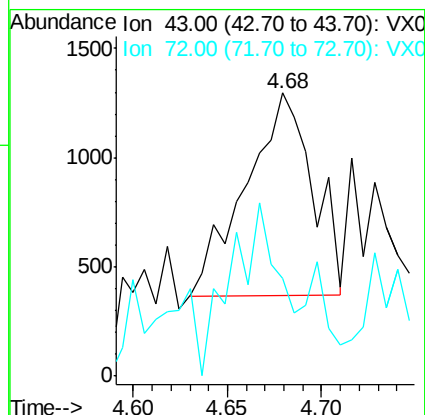
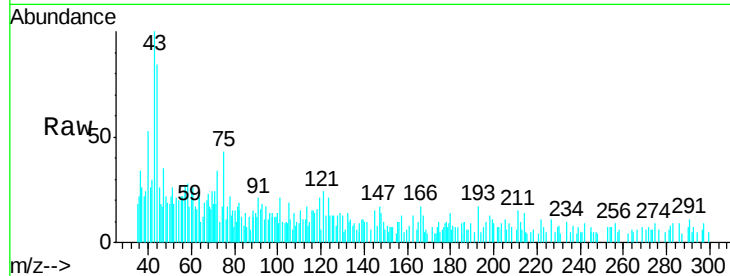
Acq: 21 Nov 2019 13:40

Tgt Ion: 43 Resp: 2282

Ion Ratio Lower Upper

43 100

72 32.6 21.0 31.6#



#33

1,2-Dichloroethane-d4

Concen: 49.720 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013499.D

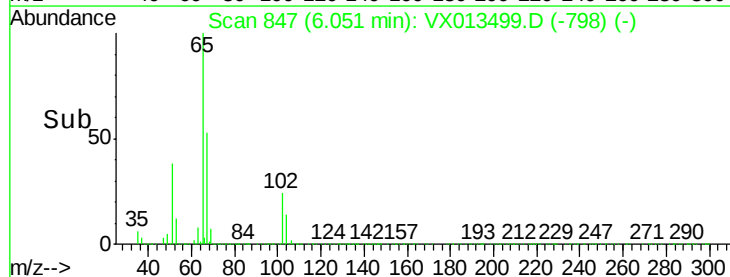
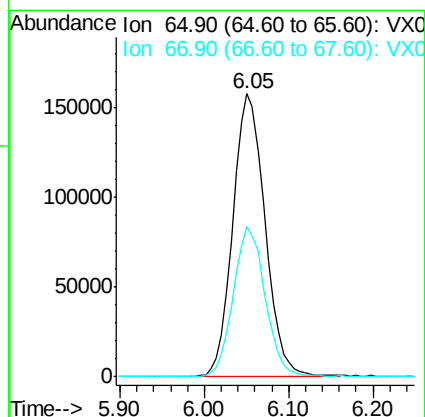
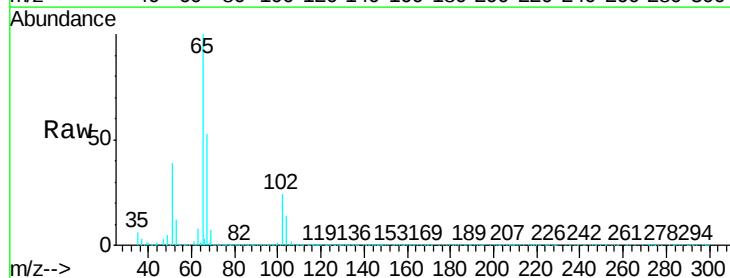
Acq: 21 Nov 2019 13:40

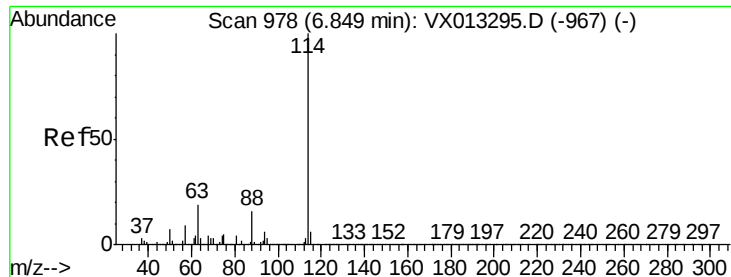
Tgt Ion: 65 Resp: 405755

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013499.D

Acq: 21 Nov 2019 13:40

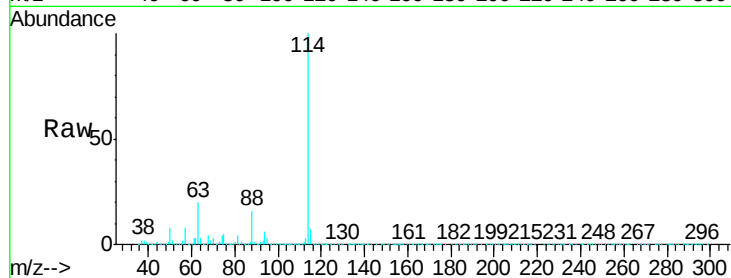
Tgt Ion:114 Resp: 1117804

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

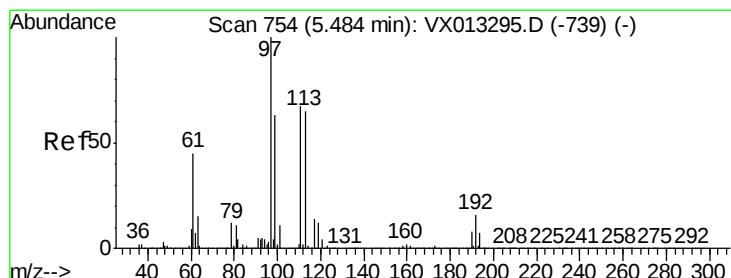
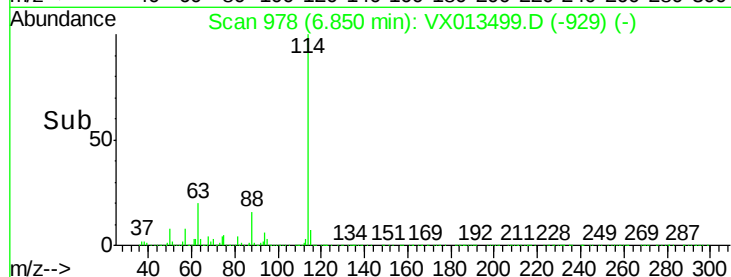
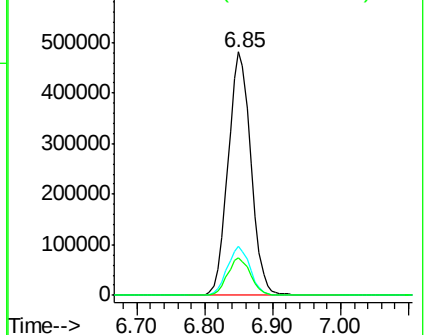
88 15.5 0.0 32.2



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: 47.644 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013499.D

Acq: 21 Nov 2019 13:40

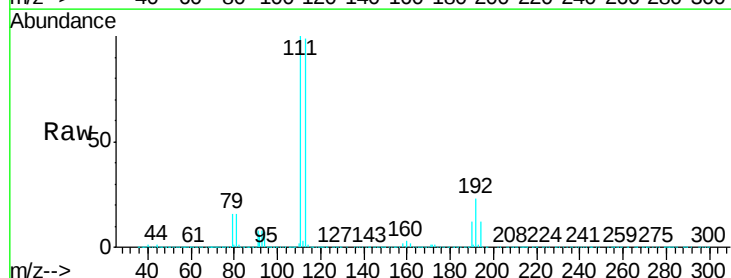
Tgt Ion:113 Resp: 334030

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

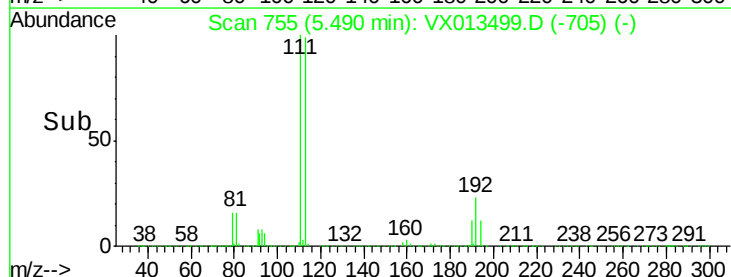
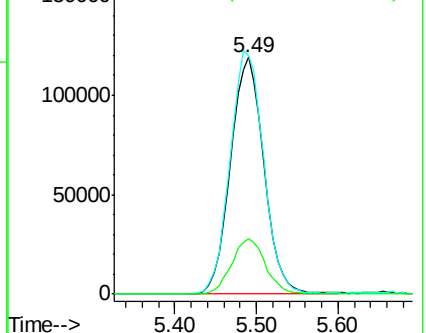
192 23.6 19.1 28.7

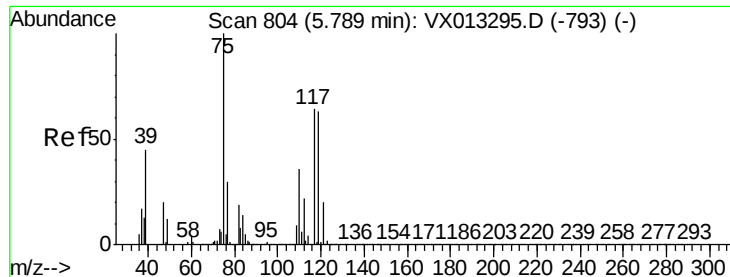


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

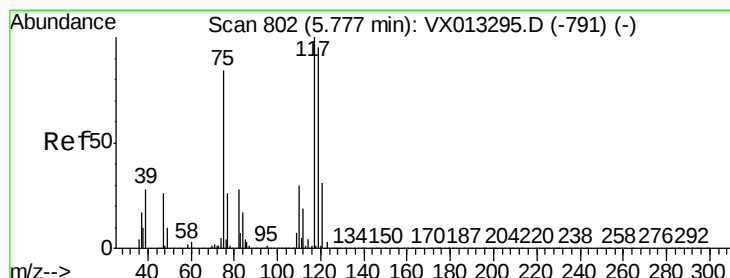
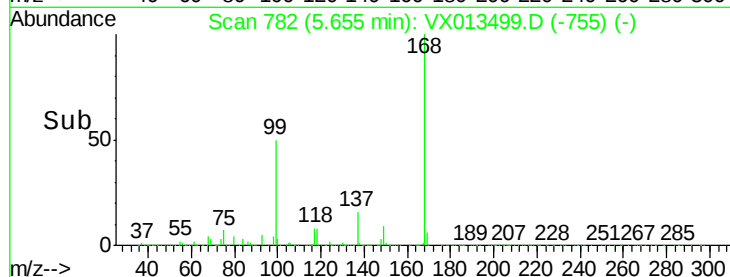
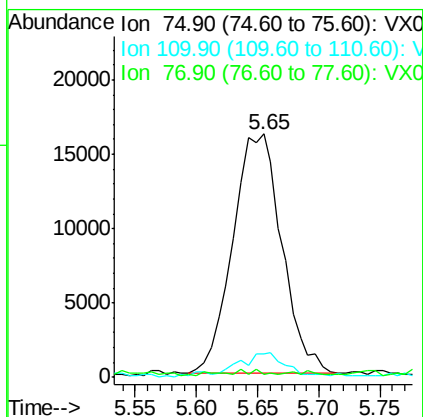
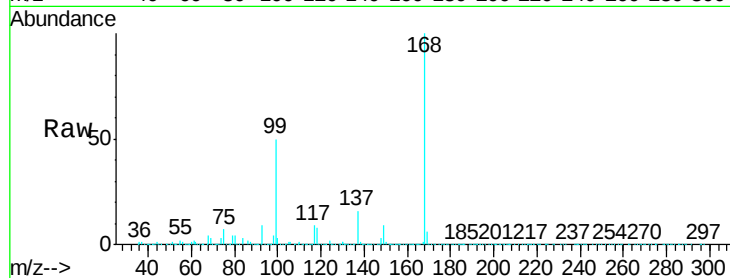
Ion 191.70 (191.40 to 192.40): V





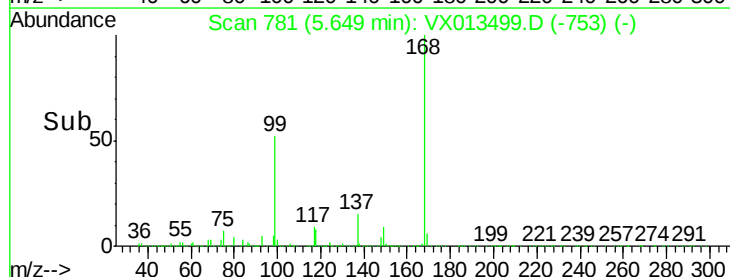
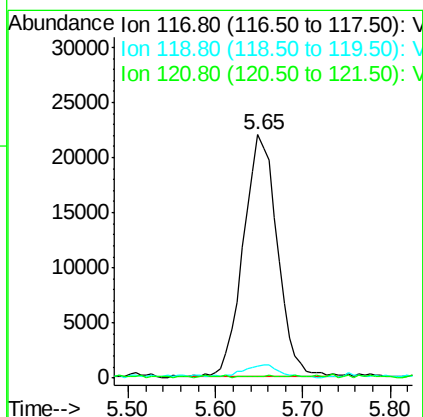
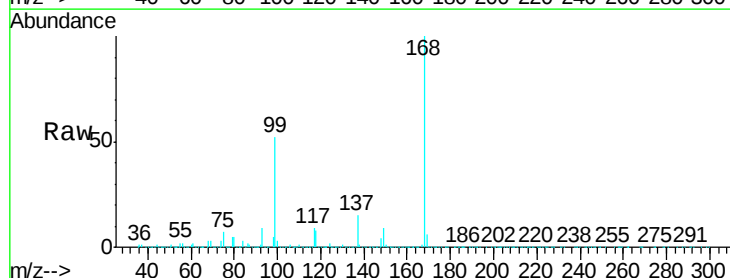
#36
 1,1-Dichloropropene
 Concen: 4.683 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013499.D
 Acq: 21 Nov 2019 13:40

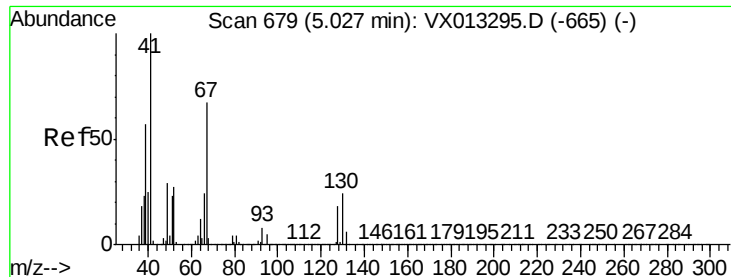
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.353 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013499.D
 Acq: 21 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.1	114.1#
121	0.1	24.6	37.0#





#41

Methacrylonitrile

Concen: 0.285 ug/l

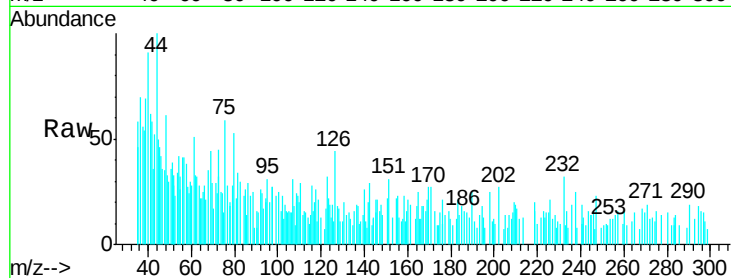
RT: 5.00 min Scan# 675

Delta R.T. -0.02 min

Lab File: VX013499.D

Acq: 21 Nov 2019 13:40

Tgt Ion:	41	Resp:	1893
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.0	67.6#
67	0.0	55.4	83.2#
52	22.7	23.1	34.7#

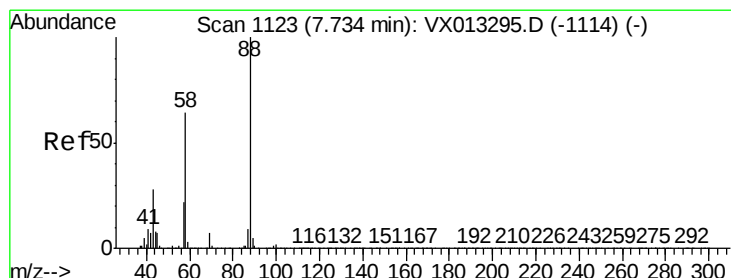
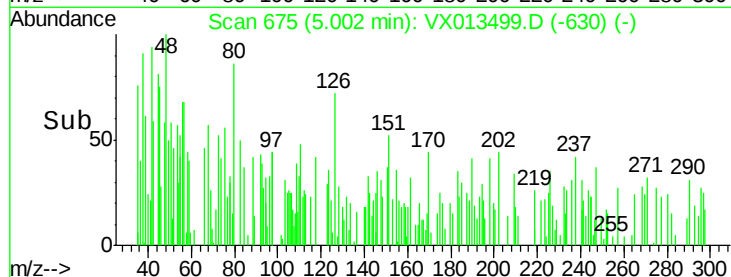
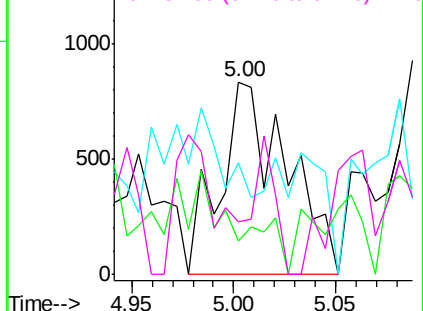


Abundance Ion 41.00 (40.70 to 41.70): VX0

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



#49

1,4-Dioxane

Concen: 0.887 ug/l

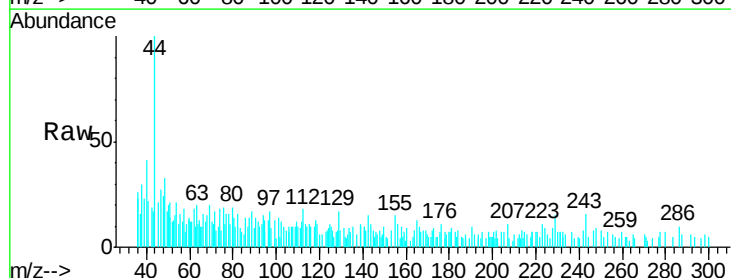
RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013499.D

Acq: 21 Nov 2019 13:40

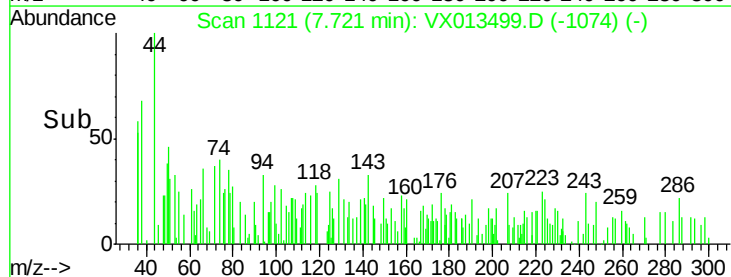
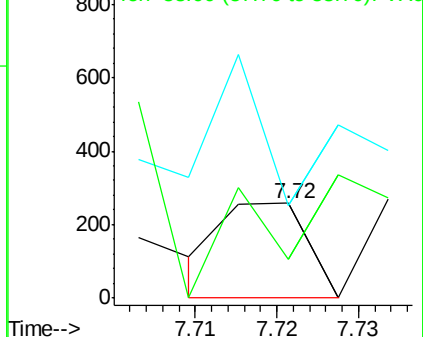
Tgt Ion:	88	Resp:	187
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	97.3	55.0	82.6#

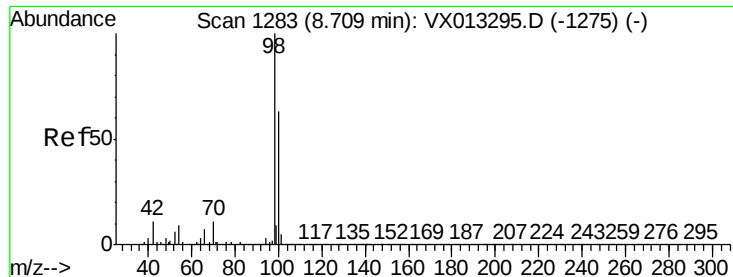


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.118 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013499.D

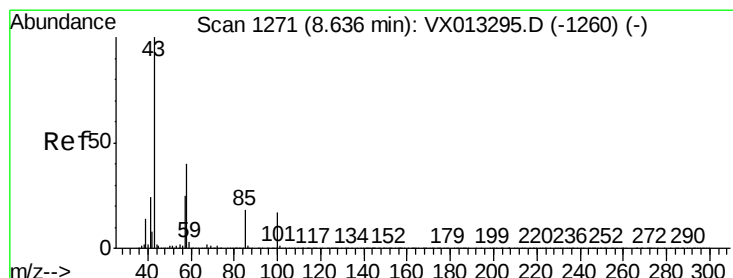
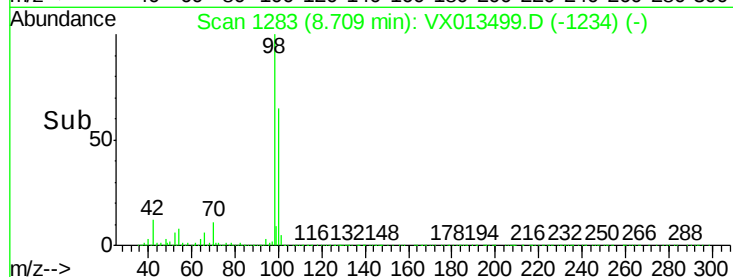
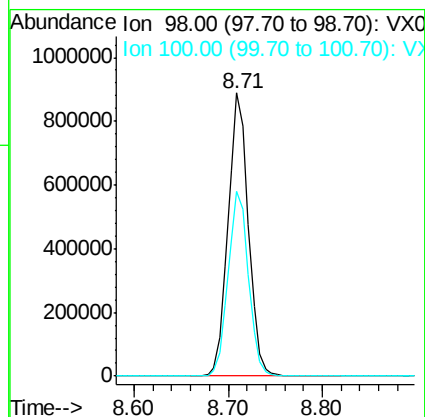
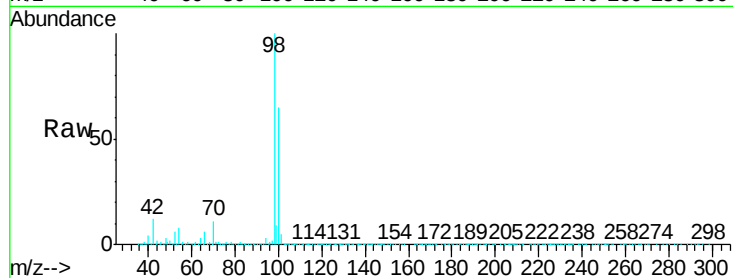
Acq: 21 Nov 2019 13:40

Tgt Ion: 98 Resp: 1324661

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.579 ug/l

RT: 8.72 min Scan# 1284

Delta R.T. 0.08 min

Lab File: VX013499.D

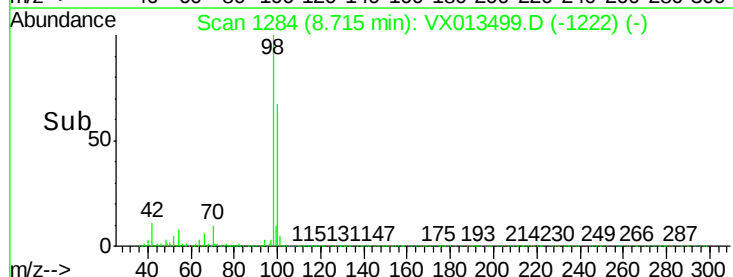
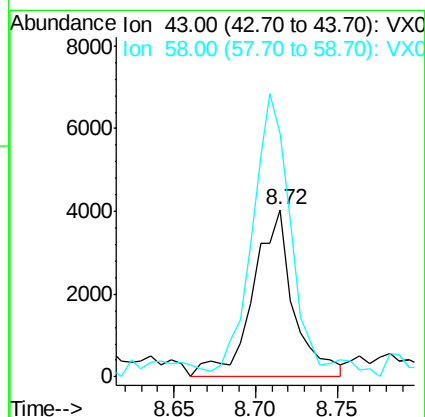
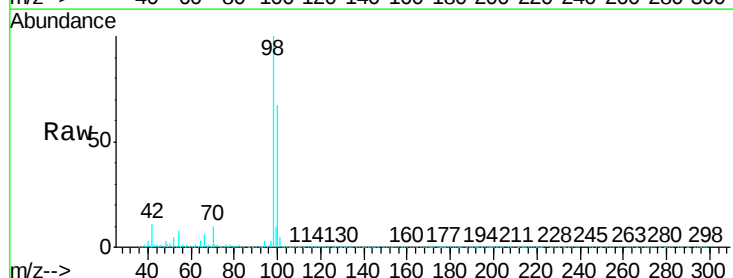
Acq: 21 Nov 2019 13:40

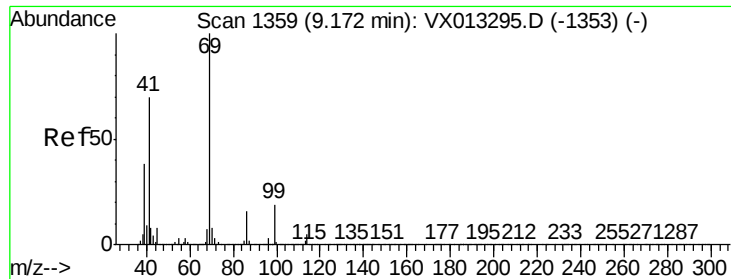
Tgt Ion: 43 Resp: 7013

Ion Ratio Lower Upper

43 100

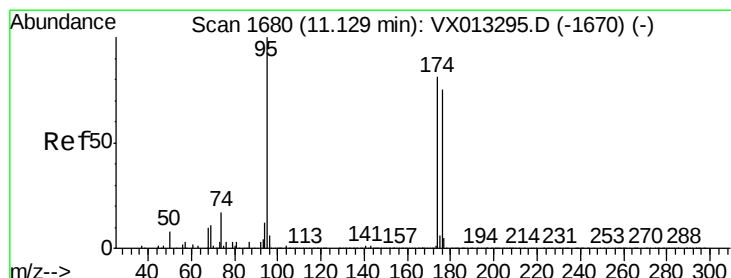
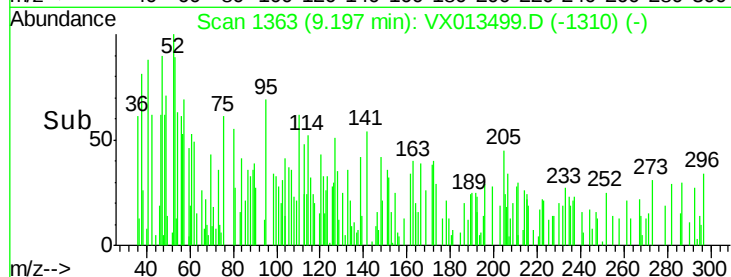
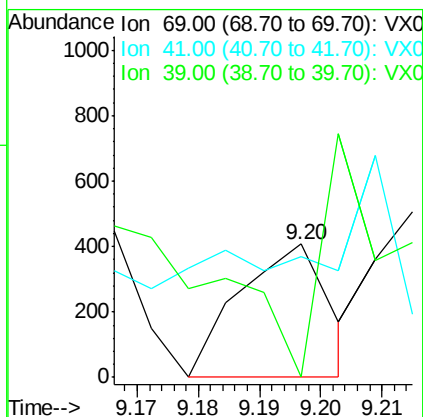
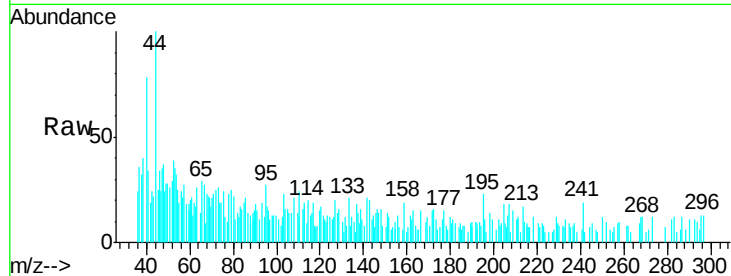
58 150.2 31.4 47.0#





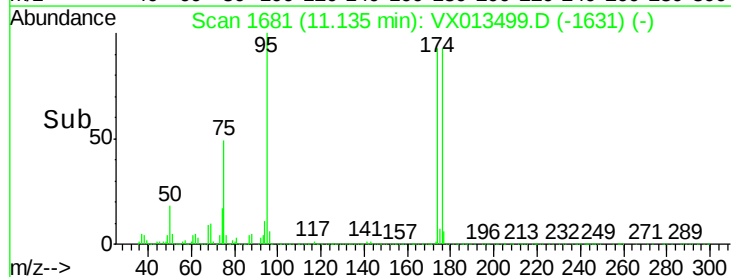
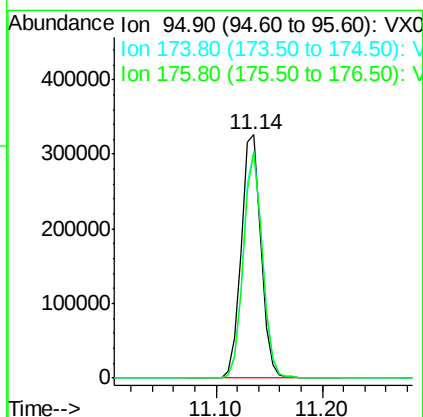
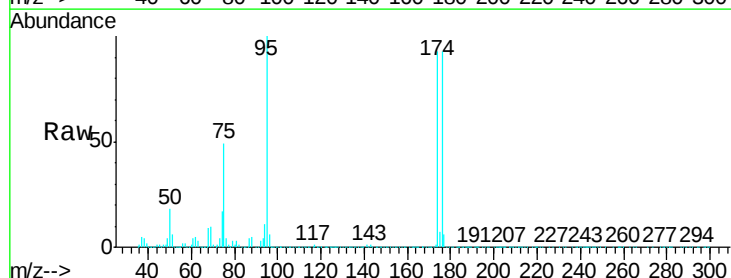
#56
Ethyl methacrylate
Concen: 1.594 ug/l
RT: 9.20 min Scan# 1363
Delta R.T. 0.02 min
Lab File: VX013499.D
Acq: 21 Nov 2019 13:40

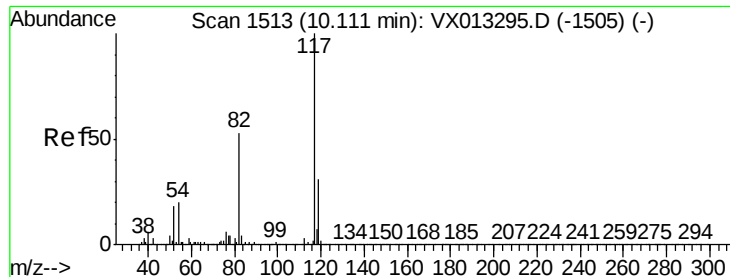
Tgt Ion: 69 Resp: 413
Ion Ratio Lower Upper
69 100
41 20.3 56.2 84.2#
39 0.0 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 44.667 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013499.D
Acq: 21 Nov 2019 13:40

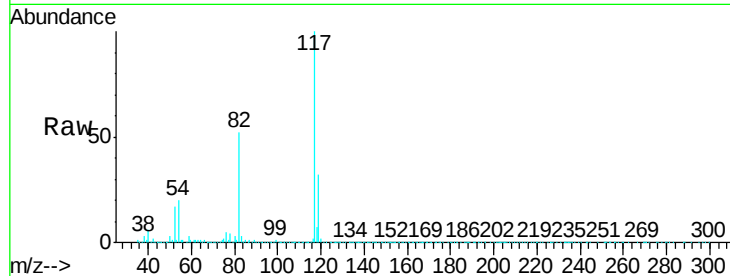
Tgt Ion: 95 Resp: 426083
Ion Ratio Lower Upper
95 100
174 90.6 0.0 179.8
176 89.4 0.0 173.0



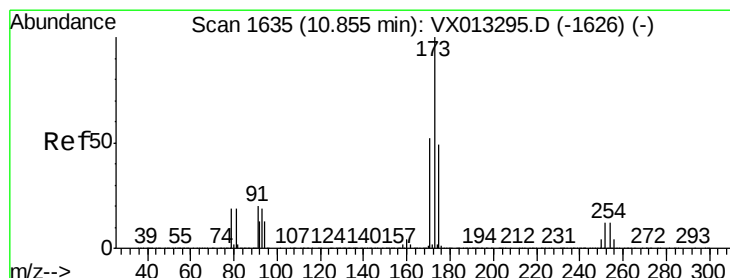
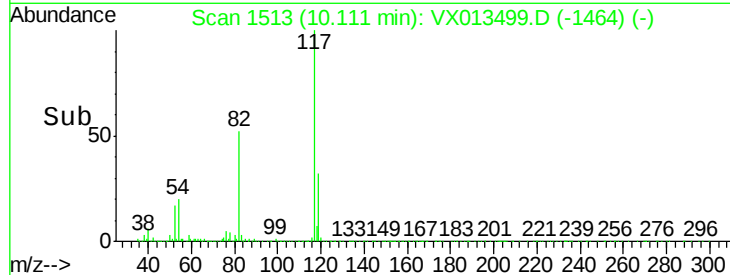
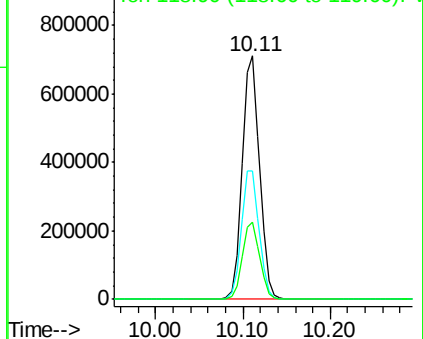


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013499.D
Acq: 21 Nov 2019 13:40

Tgt Ion:117 Resp: 986341
Ion Ratio Lower Upper
117 100
82 52.5 42.6 64.0
119 31.8 24.8 37.2

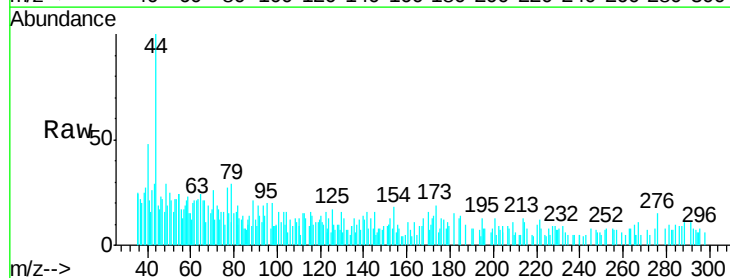


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

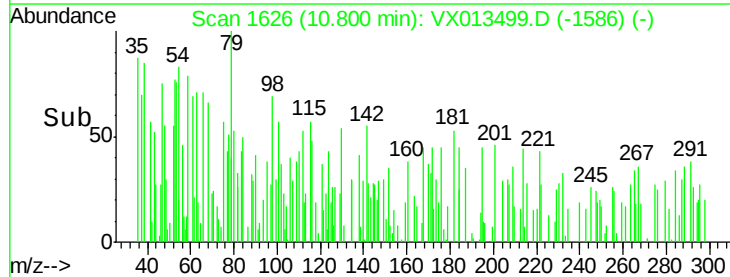
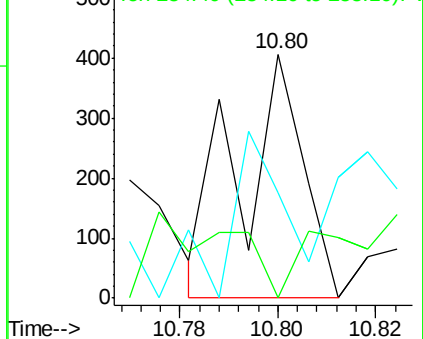


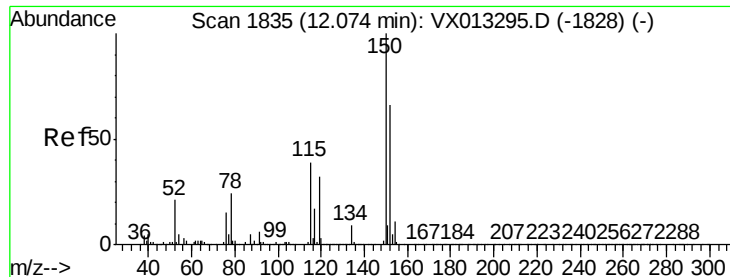
#71
Bromoform
Concen: 3.253 ug/l
RT: 10.80 min Scan# 1626
Delta R.T. -0.05 min
Lab File: VX013499.D
Acq: 21 Nov 2019 13:40

Tgt Ion:173 Resp: 368
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

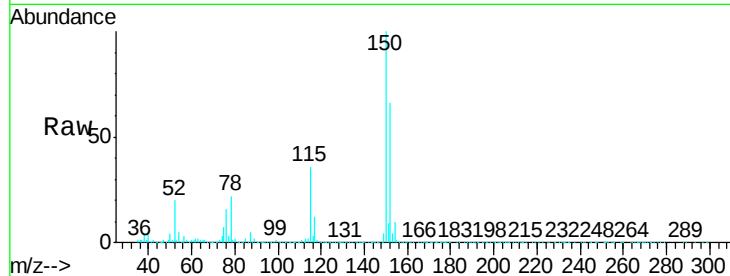




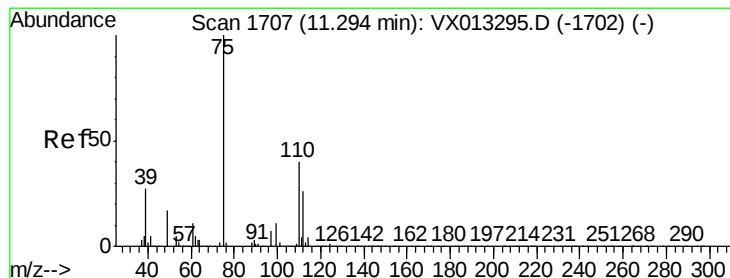
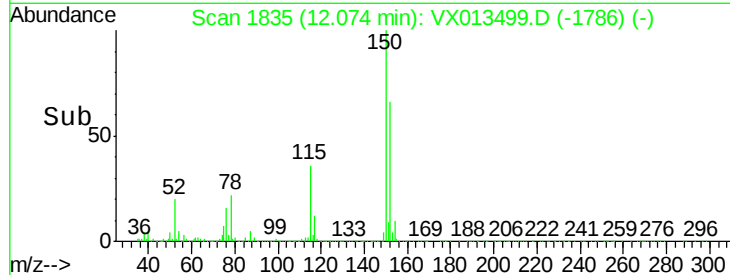
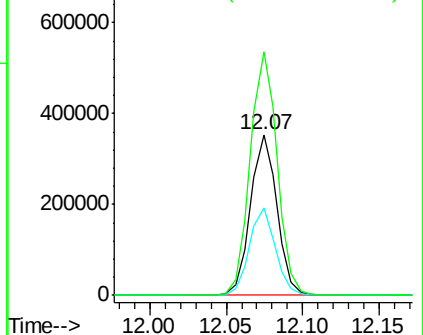
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013499.D
Acq: 21 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	39.5	118.3
150	155.2	0.0	344.4



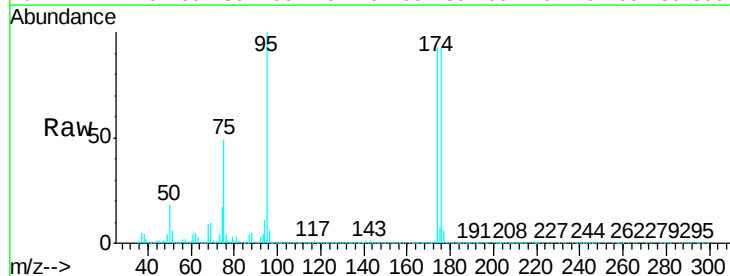
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



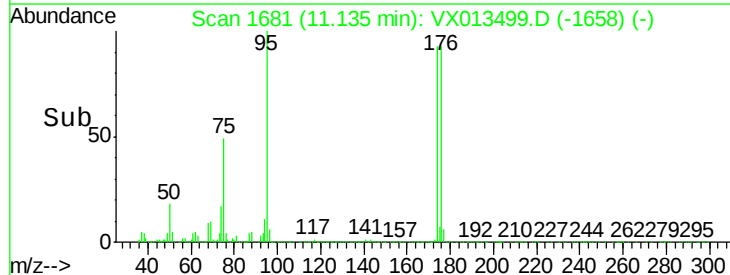
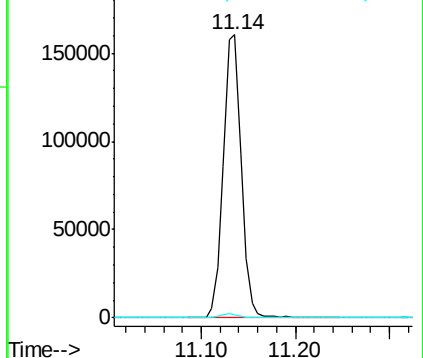
#76

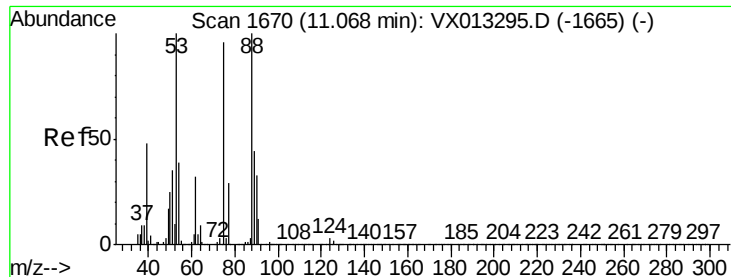
1,2,3-Trichloropropane
Concen: 24.550 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX013499.D
Acq: 21 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	22.3	66.8#



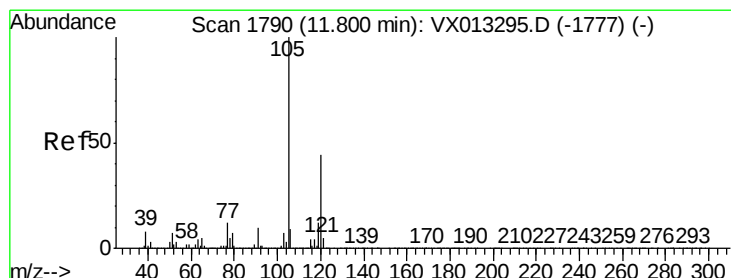
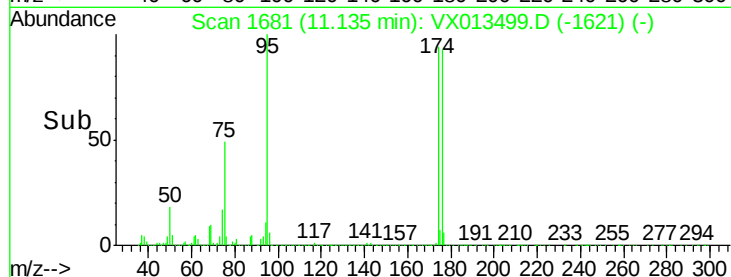
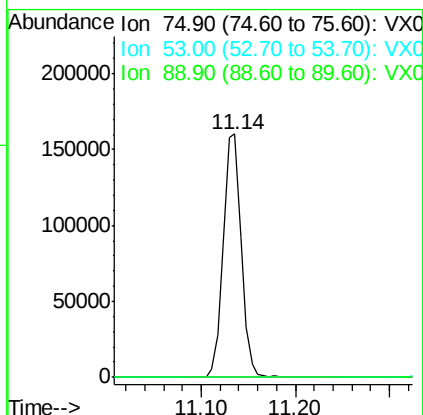
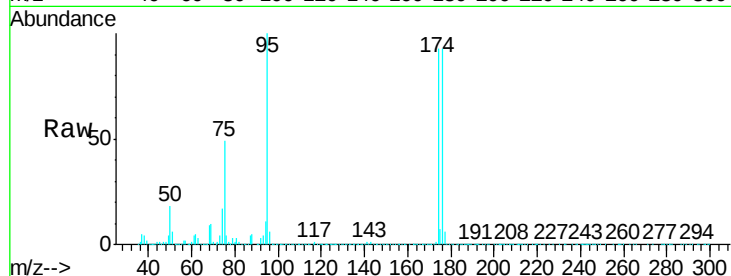
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81
trans-1,4-Dichloro-2-butene
Concen: 63.192 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.07 min
Lab File: VX013499.D
Acq: 21 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	81.0	121.6#
89	0.1	36.0	54.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.554 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013499.D
Acq: 21 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.0	22.7	68.1

