

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021919\
 Data File : VX007603.D
 Acq On : 19 Feb 2019 10:44
 Operator : JC/SP
 Sample : VX0219MBL01
 Misc : 5.00µL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219MBL01

Quant Time: Feb 20 04:01:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	446956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	714224	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	678799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	322724	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	253196	53.37	ug/l	0.00
Spiked Amount						
			Recovery	=	106.74%	
35) Dibromofluoromethane	5.50	113	238509	51.32	ug/l	0.00
Spiked Amount						
			Recovery	=	102.64%	
50) Toluene-d8	8.71	98	874080	50.70	ug/l	0.00
Spiked Amount						
			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.13	95	303031	48.14	ug/l	0.00
Spiked Amount						
			Recovery	=	96.28%	

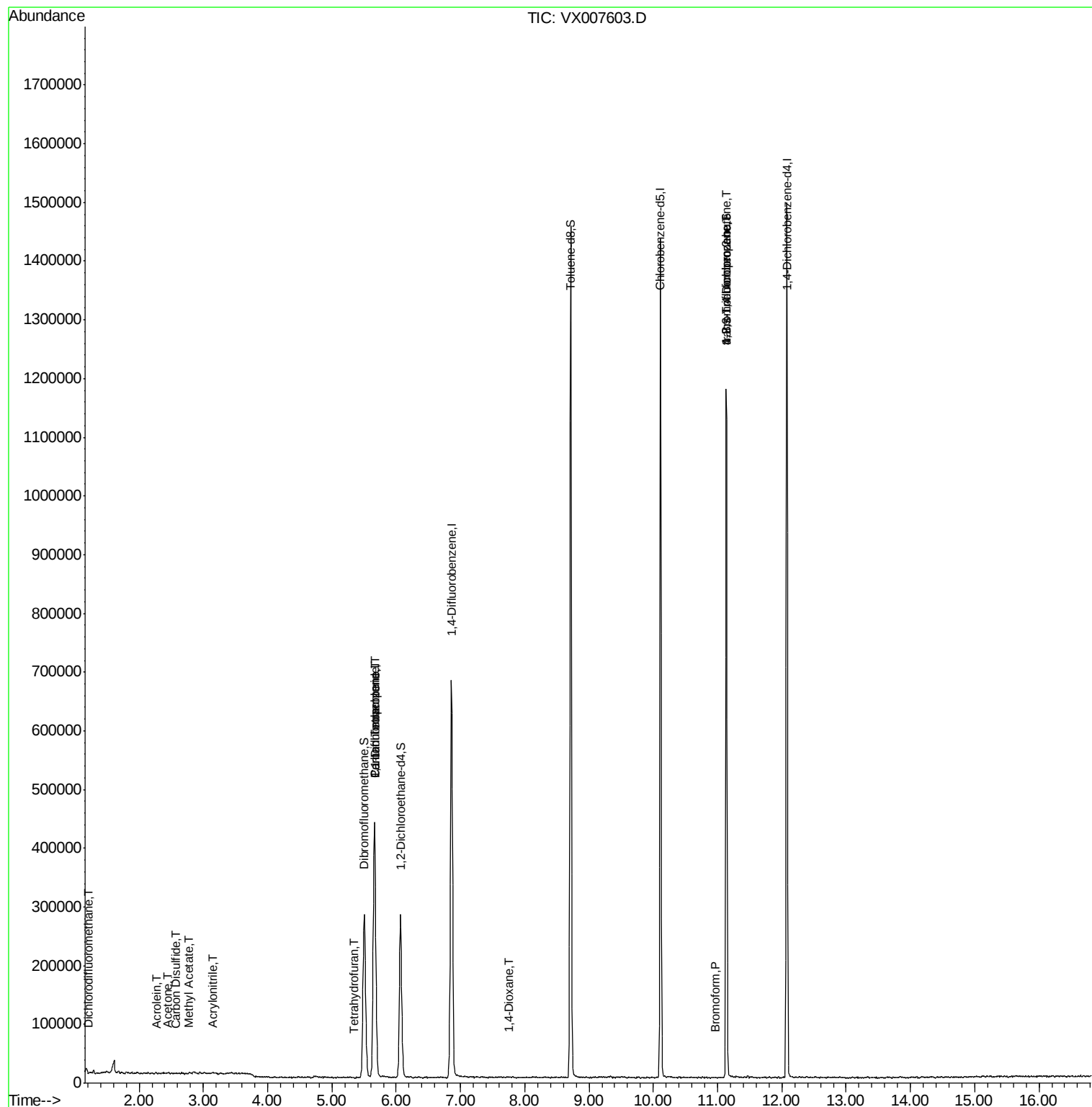
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	267	0.226	ug/l	86
5) Bromomethane	1.65	94	474	Below Cal		90
13) Acrolein	2.28	56	153	0.332	ug/l #	1
15) Acrylonitrile	3.14	53	651	0.268	ug/l #	66
16) Acetone	2.45	43	525	0.242	ug/l #	34
17) Carbon Disulfide	2.57	76	1618	2.260	ug/l #	86
18) Methyl Acetate	2.76	43	1006	0.769	ug/l	99
20) Methylene Chloride	2.85	84	1663	Below Cal	#	72
29) Tetrahydrofuran	5.35	42	488	0.251	ug/l	91
36) 1,1-Dichloropropene	5.66	75	29471	4.599	ug/l #	48
38) Carbon Tetrachloride	5.66	117	40720	6.550	ug/l #	17
49) 1,4-Dioxane	7.76	88	165	8.320	ug/l #	48
71) Bromoform	10.97	173	193	4.070	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	143697	22.891	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	143697	68.999	ug/l #	9

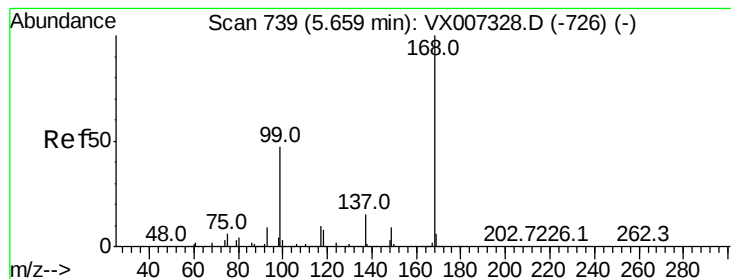
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

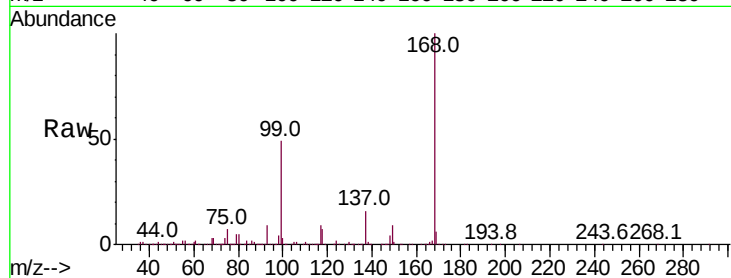
VX0219MBL01

Tot Ion:168 Resp: 446956

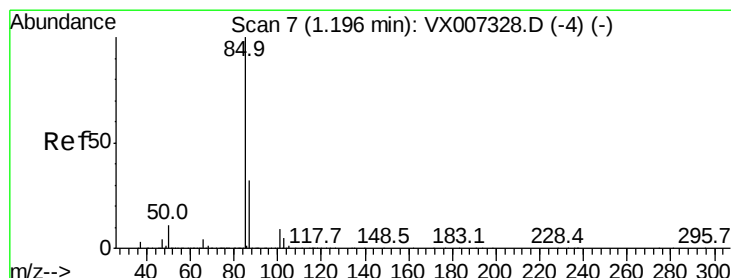
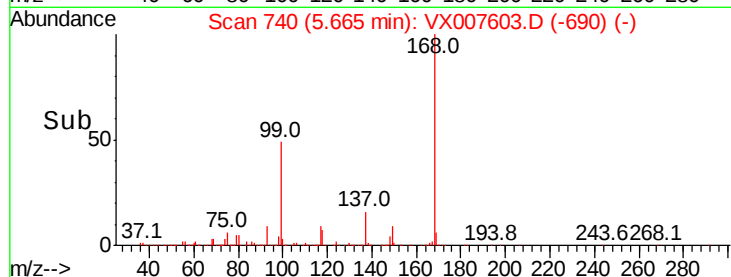
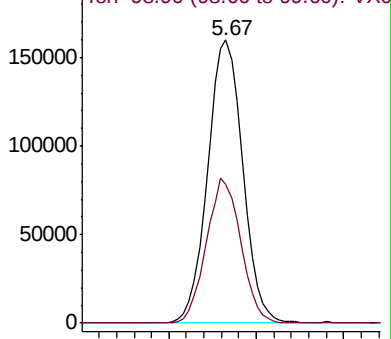
Ion Ratio Lower Upper

168 100

99 49.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): VX007328.D (-726) (-)



#2

Dichlorodifluoromethane

Concen: 0.226 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX007603.D

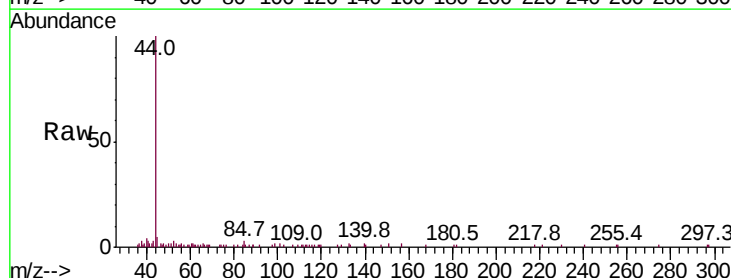
Acq: 19 Feb 2019 10:44

Tgt Ion: 85 Resp: 267

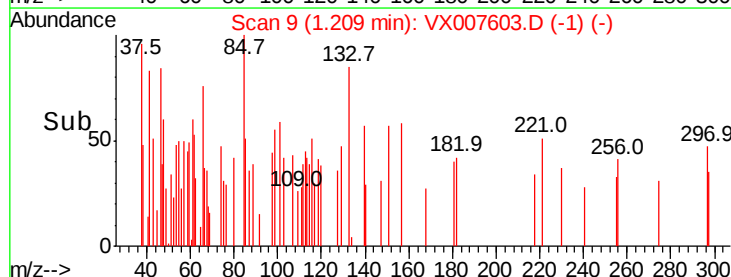
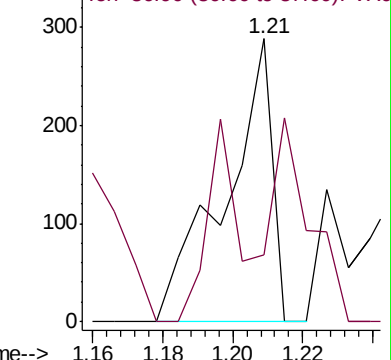
Ion Ratio Lower Upper

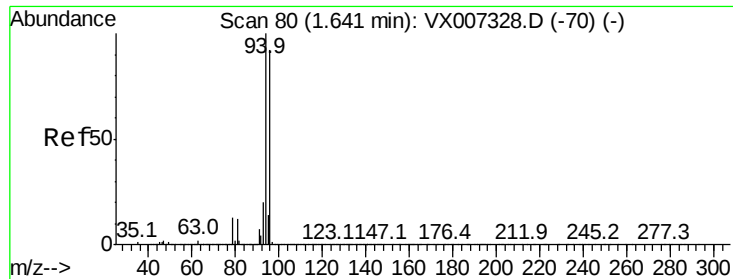
85 100

87 23.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX007328.D (-4) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

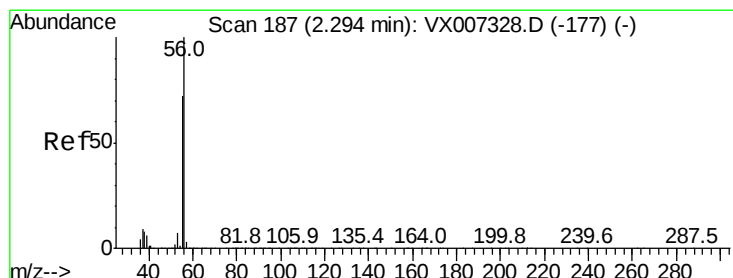
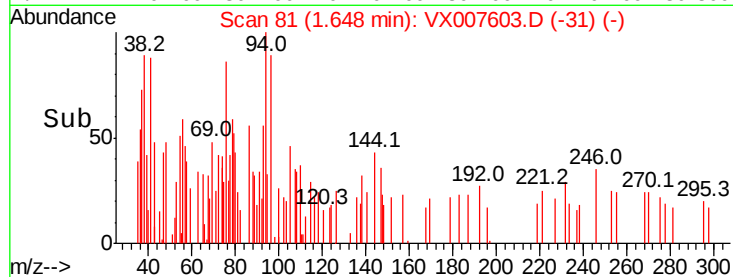
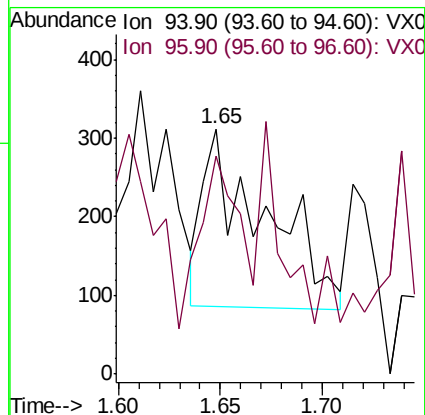
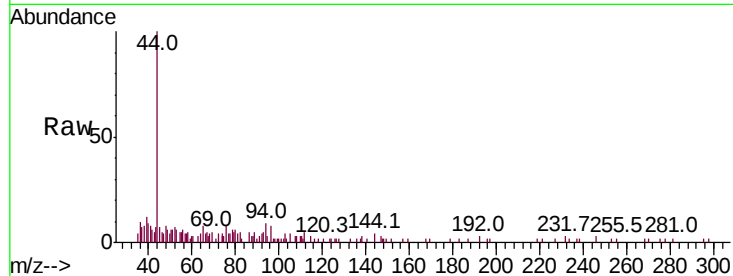
VX0219MBL01

Tot Ion: 94 Resp: 474

Ion Ratio Lower Upper

94 100

96 101.9 73.9 110.9



#13

Acrolein

Concen: 0.332 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX007603.D

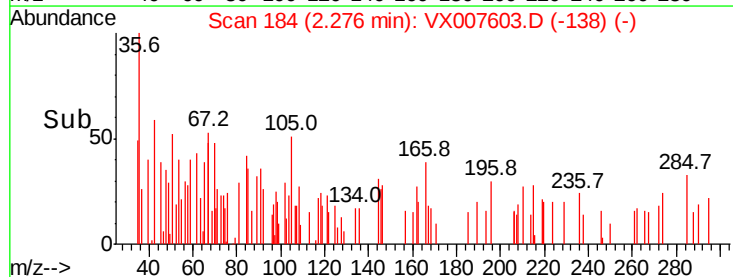
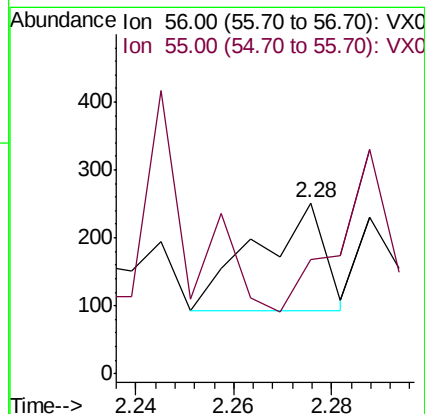
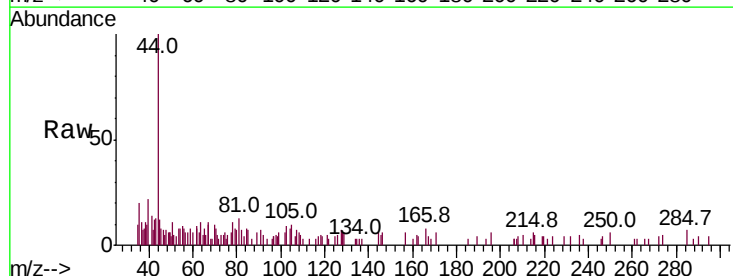
Acq: 19 Feb 2019 10:44

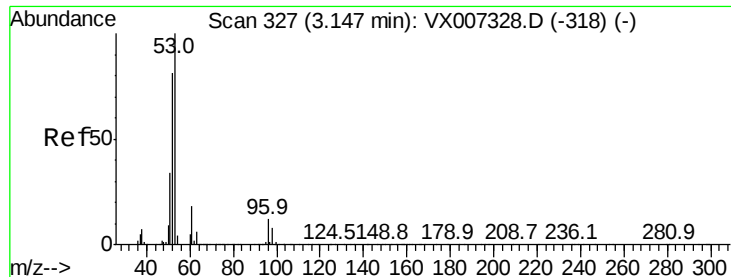
Tgt Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 175.2 56.9 85.3#





#15

Acrylonitrile

Concen: 0.268 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

Instrument :

MSVOA_X

ClientSampled :

VX0219MBL01

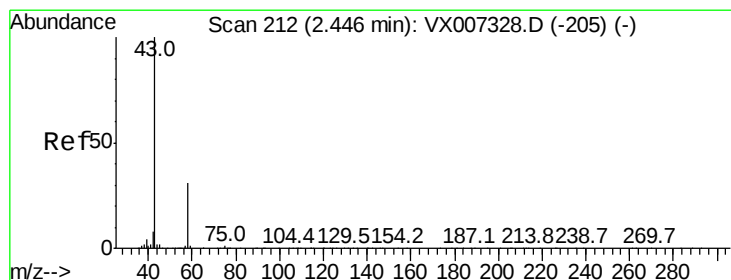
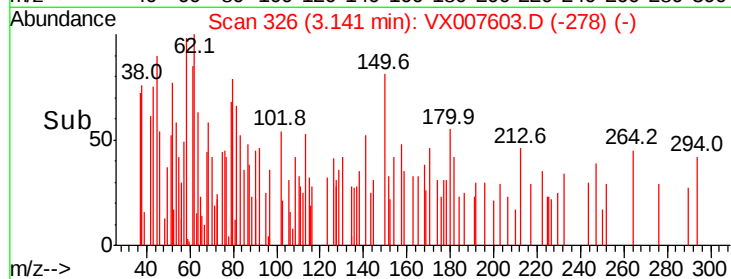
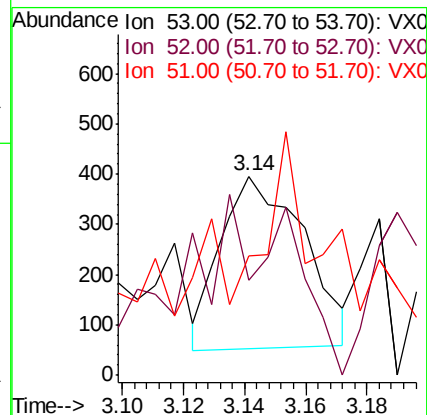
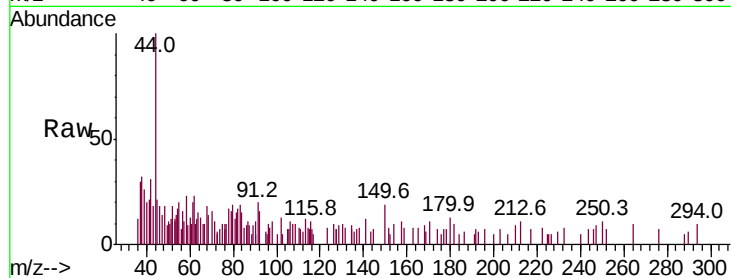
Tot Ion: 53 Resp: 651

Ion Ratio Lower Upper

53 100

52 51.5 66.4 99.6#

51 17.4 28.4 42.6#



#16

Acetone

Concen: 0.242 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007603.D

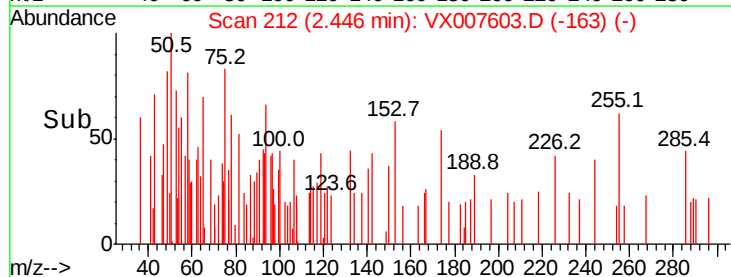
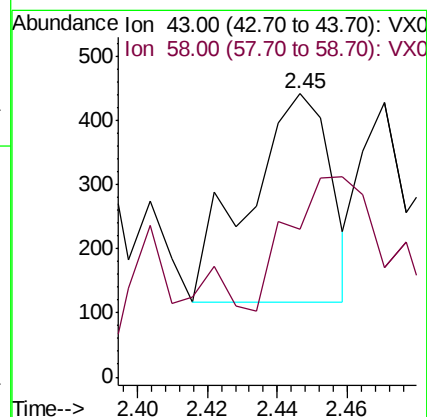
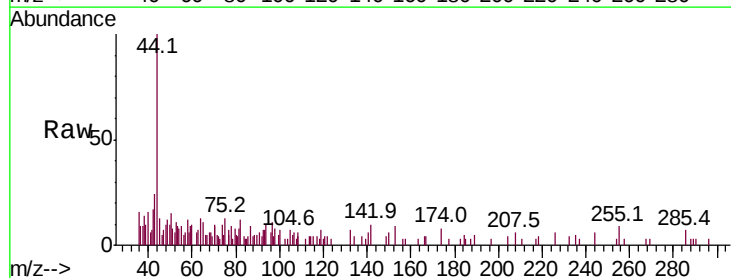
Acq: 19 Feb 2019 10:44

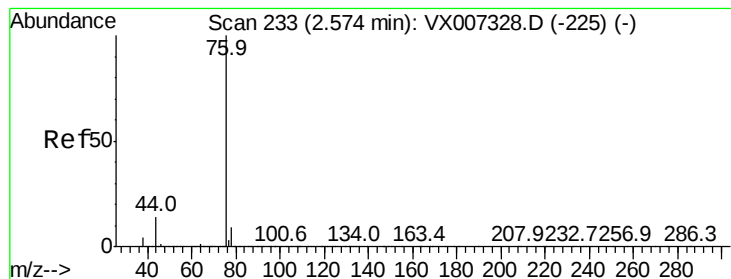
Tgt Ion: 43 Resp: 525

Ion Ratio Lower Upper

43 100

58 67.6 24.9 37.3#





#17

Carbon Disulfide

Concen: 2.260 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

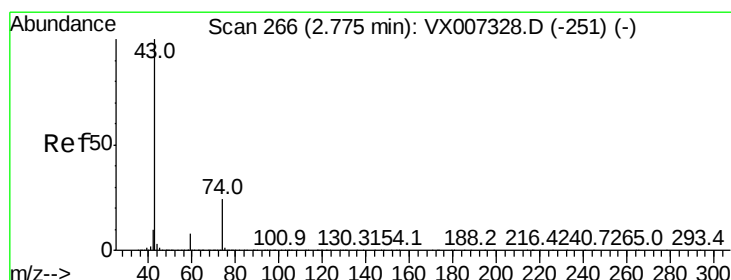
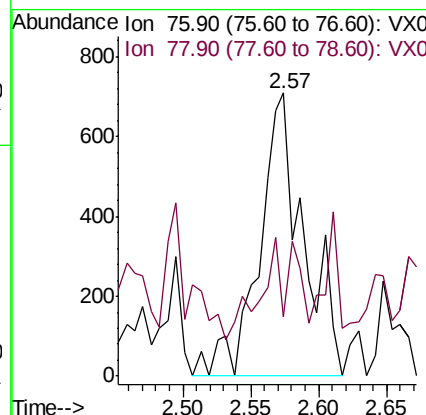
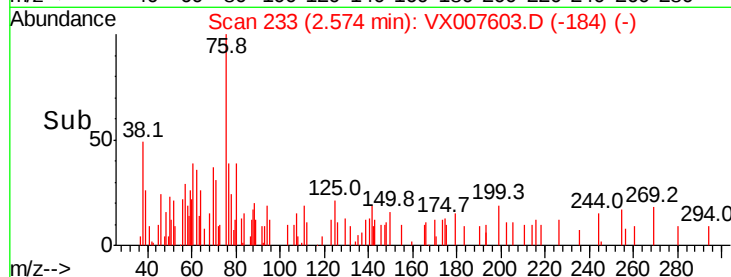
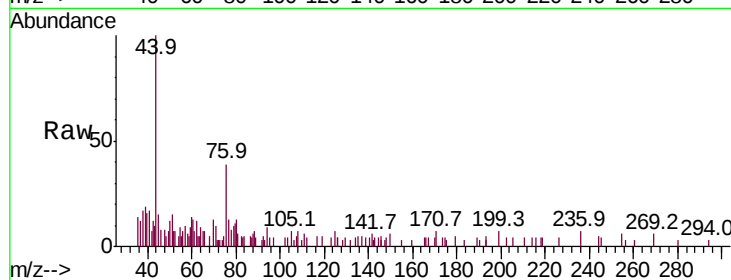
VX0219MBL01

Tot Ion: 76 Resp: 1618

Ion Ratio Lower Upper

76 100

78 4.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.769 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX007603.D

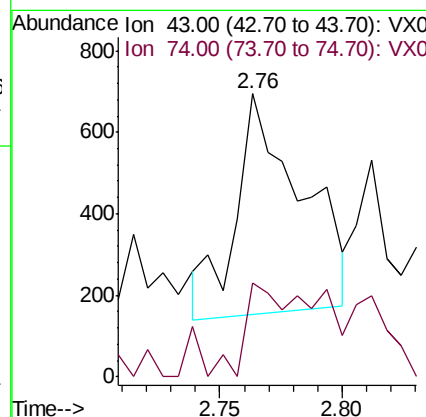
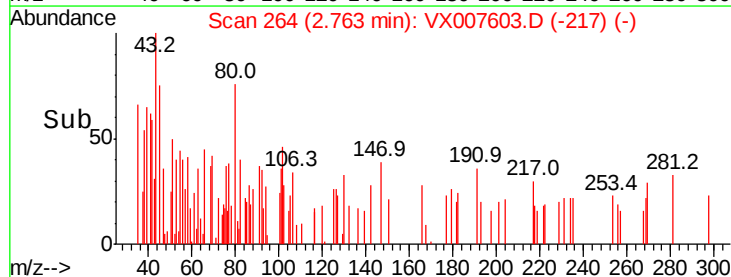
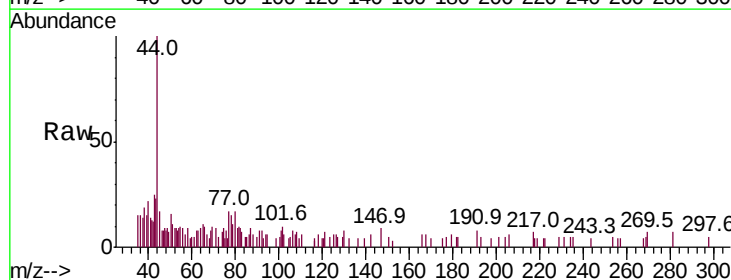
Acq: 19 Feb 2019 10:44

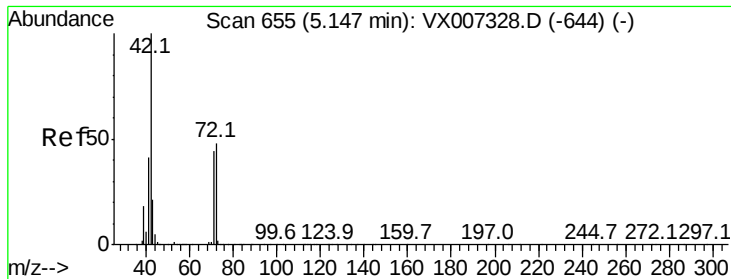
Tgt Ion: 43 Resp: 1006

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 5.35 min Scan# 689

Delta R.T. 0.21 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

Instrument :

MSVOA_X

ClientSampled :

VX0219MBL01

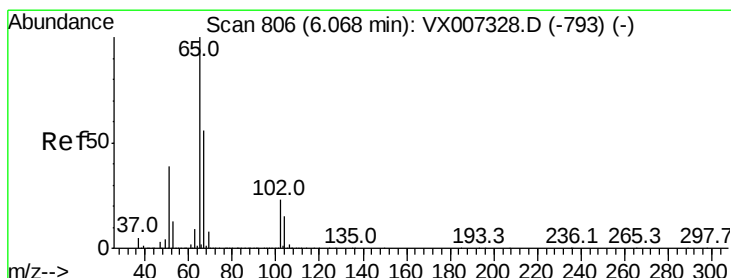
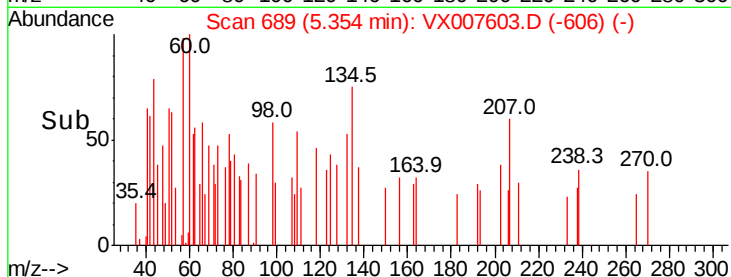
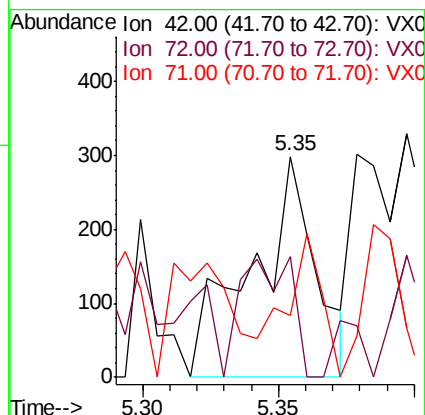
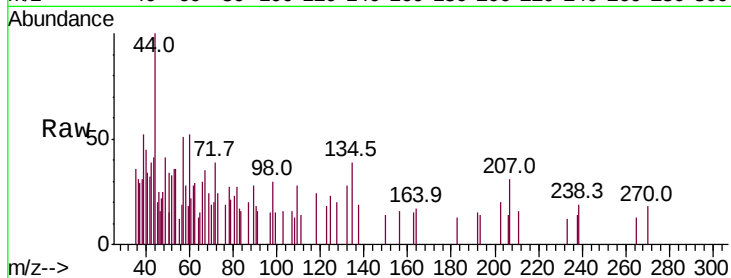
Tot Ion: 42 Resp: 488

Ion Ratio Lower Upper

42 100

72 42.8 37.6 56.4

71 35.7 34.6 51.8



#33

1,2-Dichloroethane-d4

Concen: 53.371 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007603.D

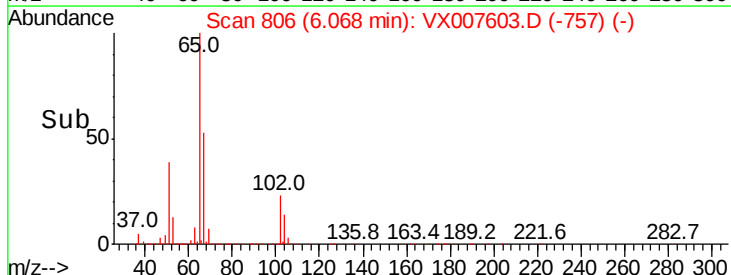
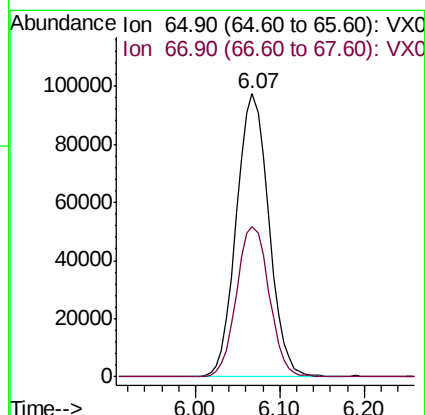
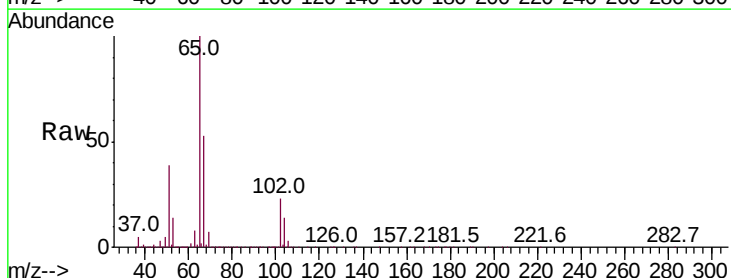
Acq: 19 Feb 2019 10:44

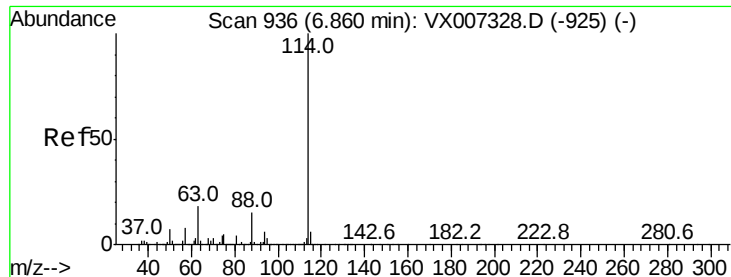
Tgt Ion: 65 Resp: 253196

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VX0219MBL01

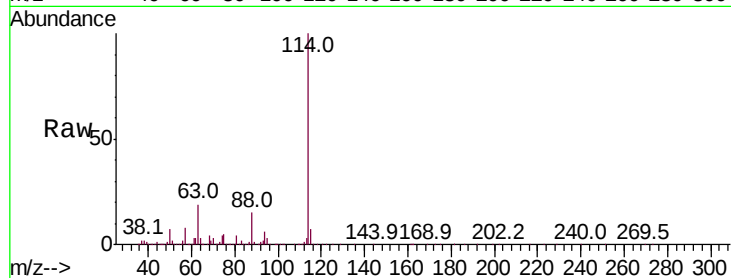
Tot Ion:114 Resp: 714224

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.6

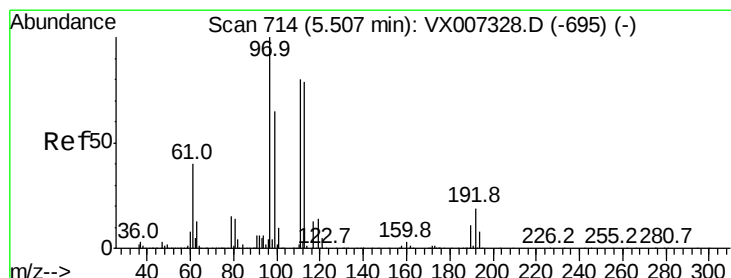
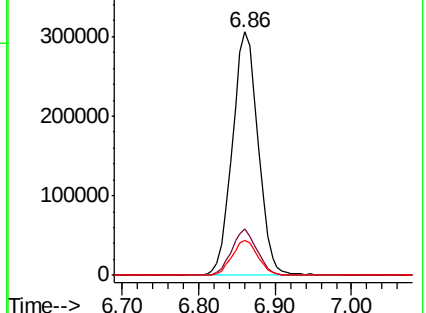
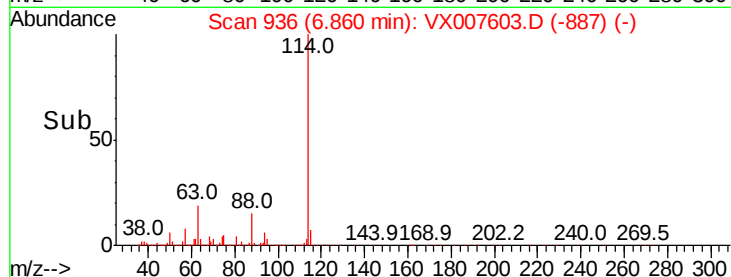
88 14.6 0.0 29.6



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: 51.323 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

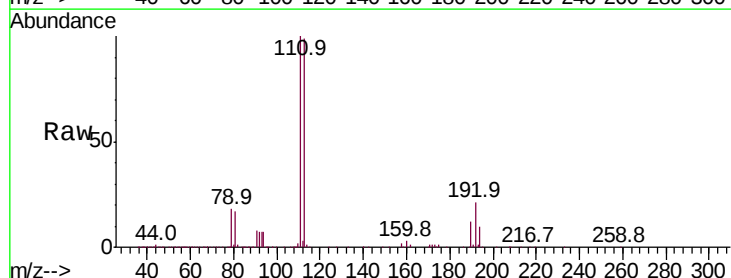
Tgt Ion:113 Resp: 238509

Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.8

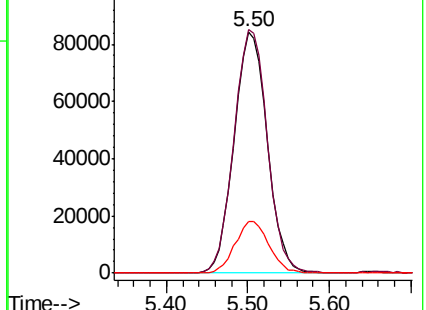
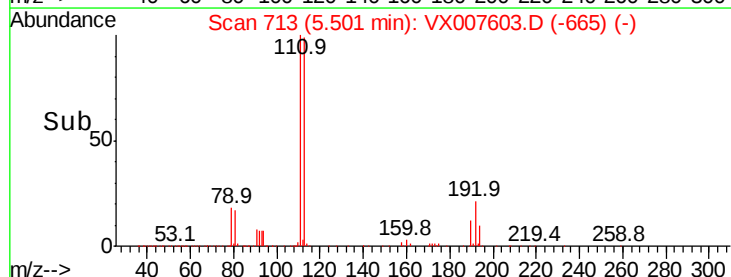
192 21.7 18.5 27.7

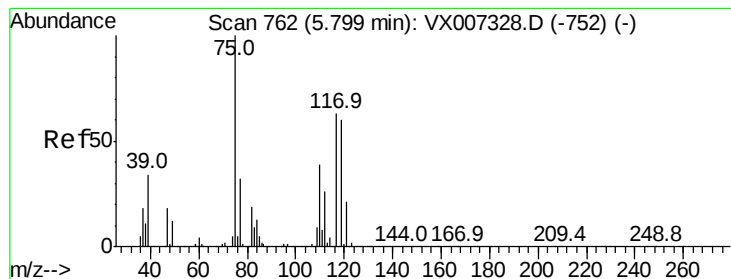


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

Instrument :

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ClientSampleId :

VX0219MBL01

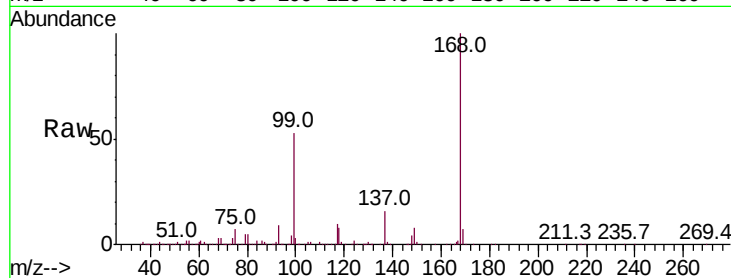
Tot Ion: 75 Resp: 29471

Ion Ratio Lower Upper

75 100

110 9.3 20.0 59.9#

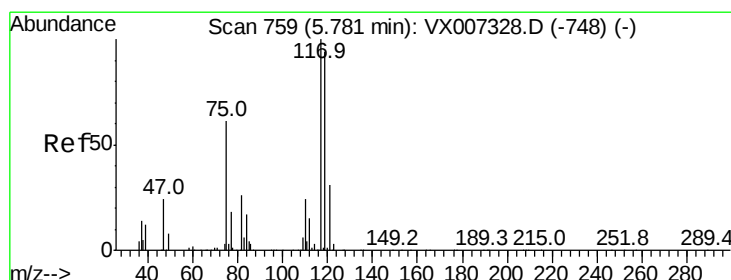
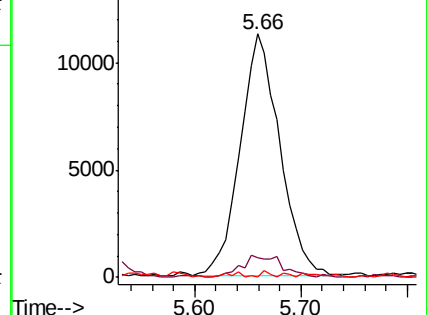
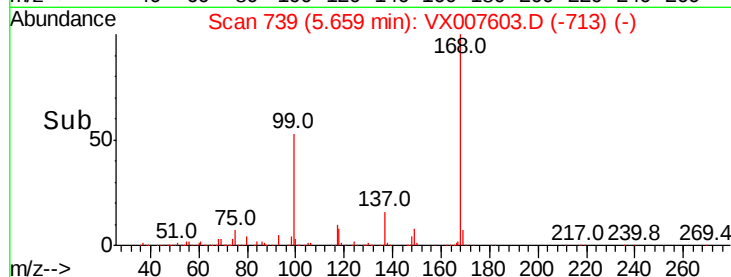
77 0.5 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.550 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

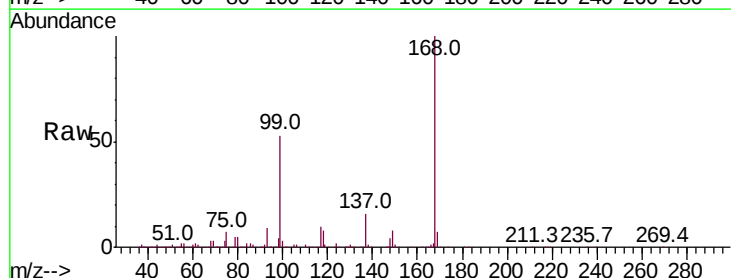
Tgt Ion: 117 Resp: 40720

Ion Ratio Lower Upper

117 100

119 5.4 75.3 112.9#

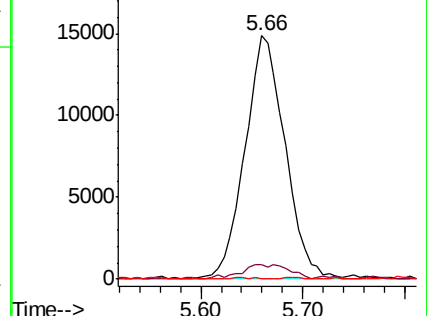
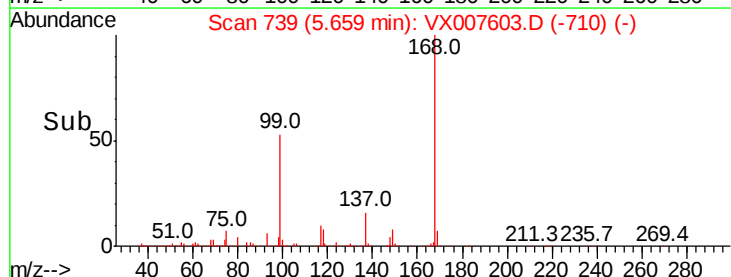
121 0.0 25.0 37.4#

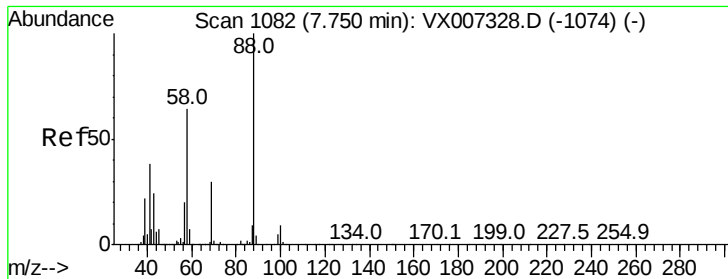


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

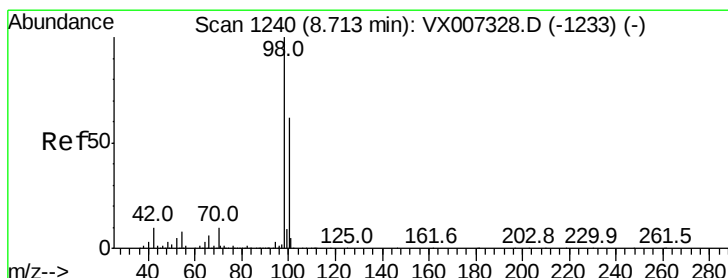
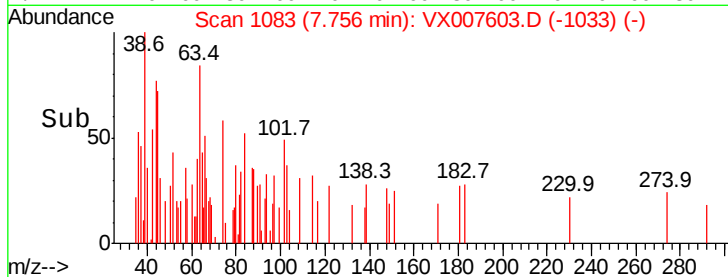
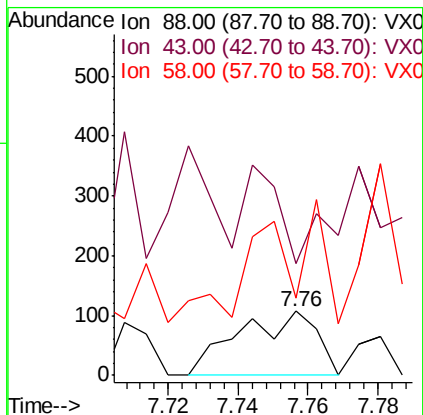
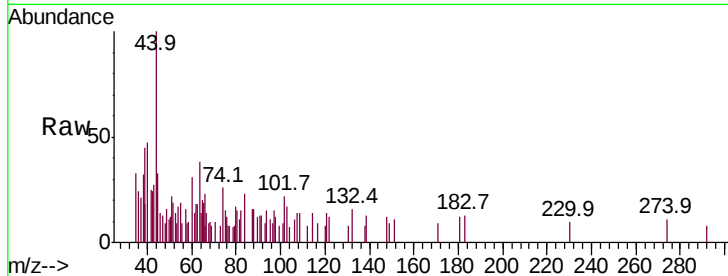




#49
 1,4-Dioxane
 Concen: 8.320 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.01 min
 Lab File: VX007603.D
 Acq: 19 Feb 2019 10:44

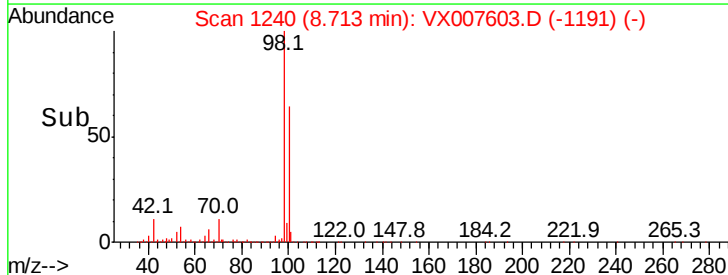
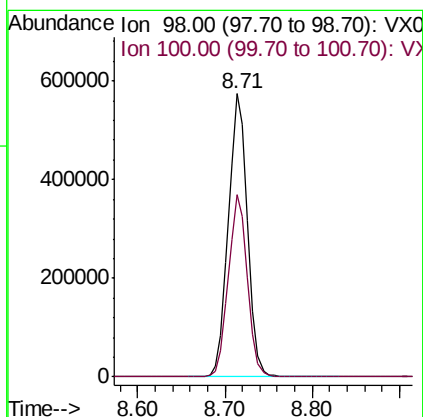
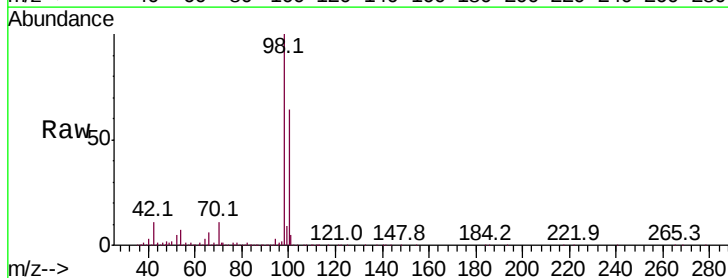
Instrument :
 MSVOA_X
 ClientSampled :
 VX0219MBL01

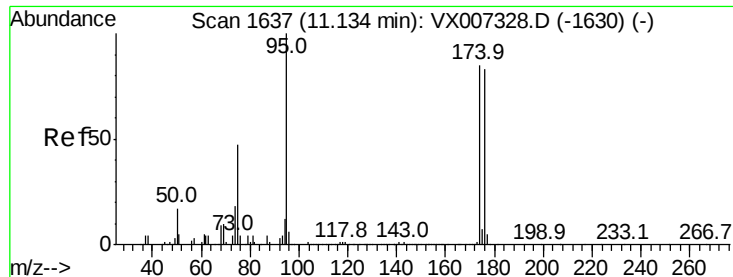
Tot Ion: 88 Resp: 165
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.2 36.4#
 58 106.7 53.0 79.4#



#50
 Toluene-d8
 Concen: 50.695 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007603.D
 Acq: 19 Feb 2019 10:44

Tgt Ion: 98 Resp: 874080
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 48.138 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VX0219MBL01

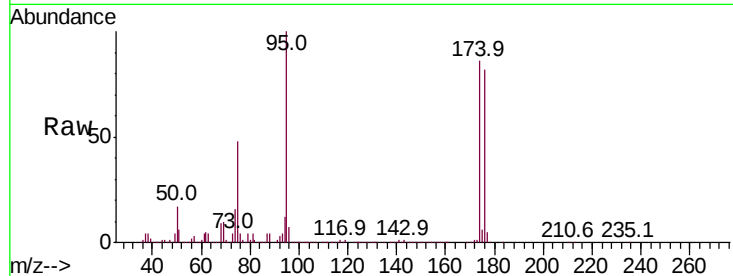
Tot Ion: 95 Resp: 303031

Ion Ratio Lower Upper

95 100

174 93.2 0.0 189.2

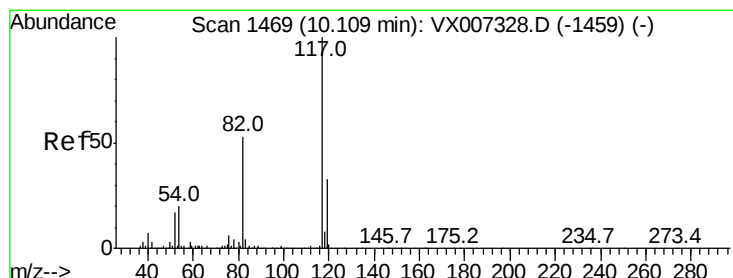
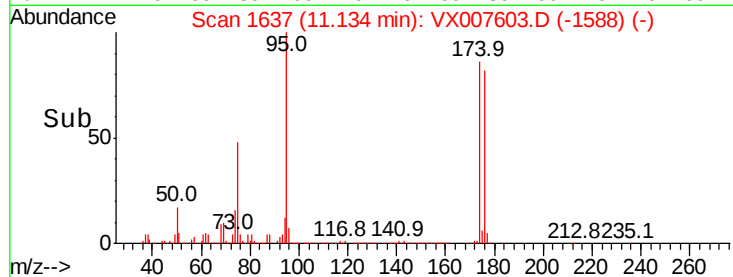
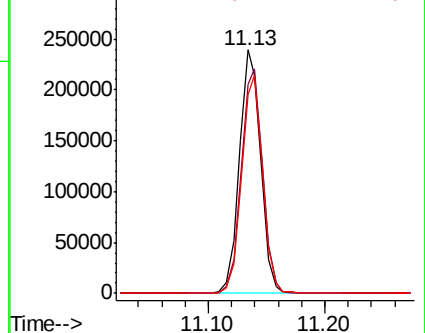
176 88.8 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

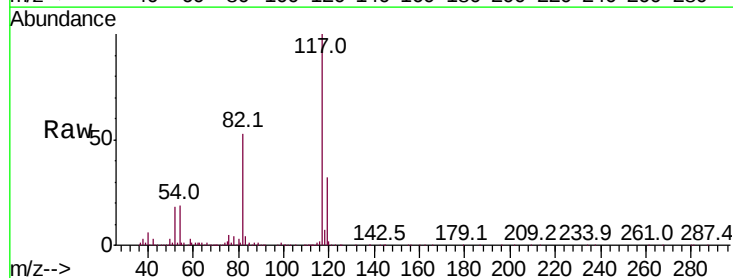
Tgt Ion: 117 Resp: 678799

Ion Ratio Lower Upper

117 100

82 52.6 42.1 63.1

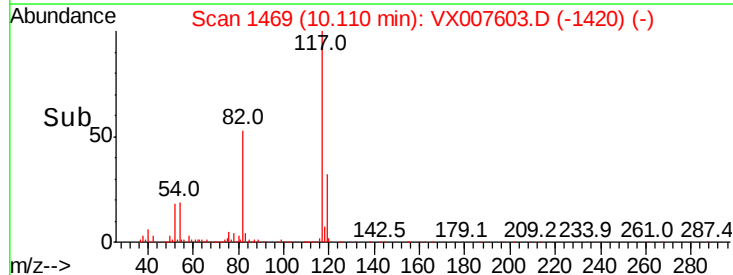
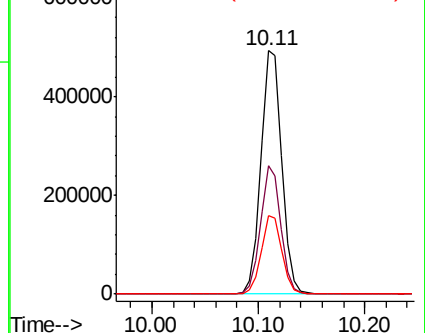
119 32.2 26.5 39.7

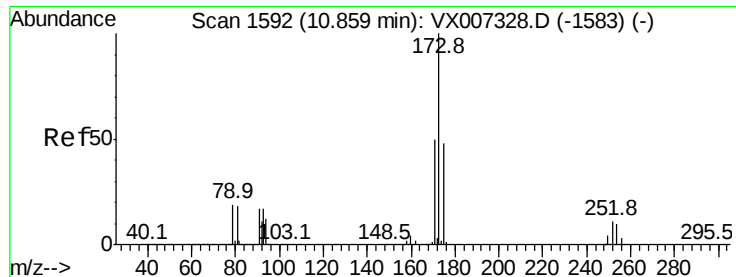


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 4.070 ug/l

RT: 10.97 min Scan# 1610

Delta R.T. 0.11 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

Instrument :

MSVOA_X

ClientSampled :

VX0219MBL01

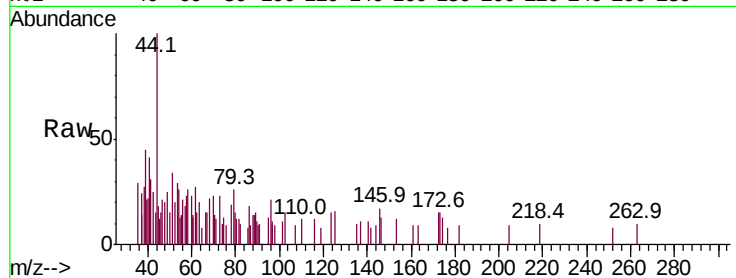
Tot Ion:173 Resp: 193

Ion Ratio Lower Upper

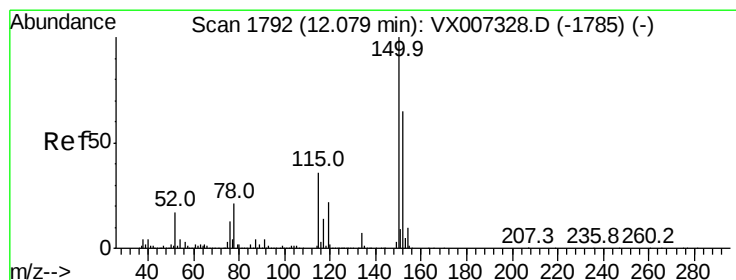
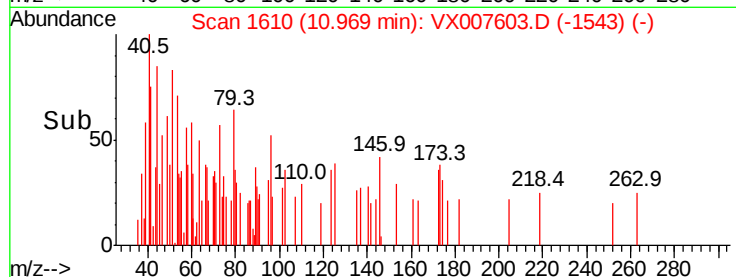
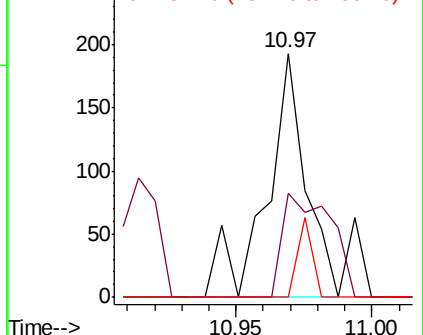
173 100

175 0.0 24.2 72.6#

254 11.9 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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

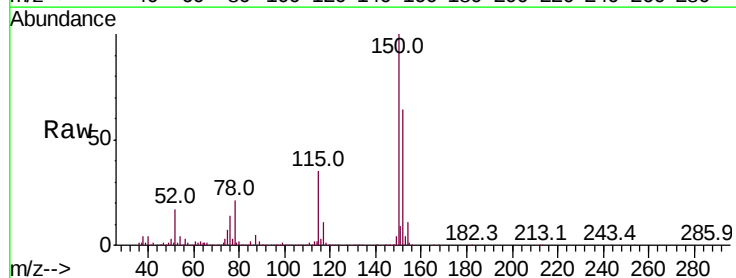
Tgt Ion:152 Resp: 322724

Ion Ratio Lower Upper

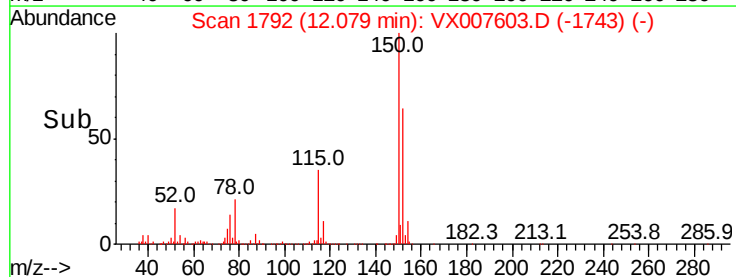
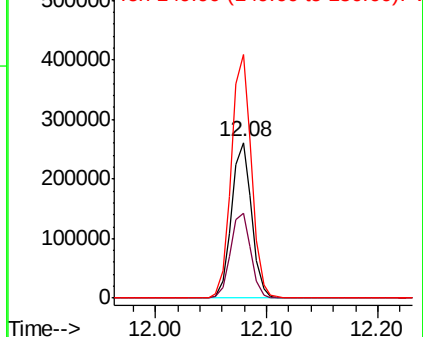
152 100

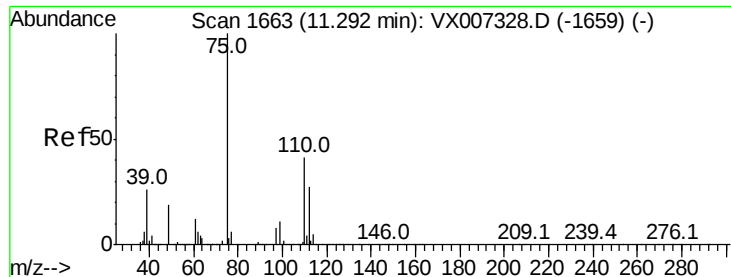
115 55.7 38.0 114.0

150 157.4 0.0 346.4



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: 22.891 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

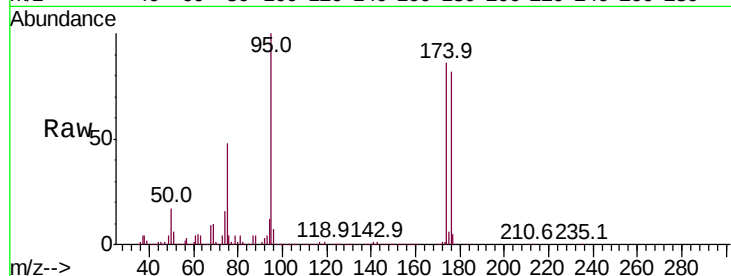
VX0219MBL01

Tot Ion: 75 Resp: 143697

Ion Ratio Lower Upper

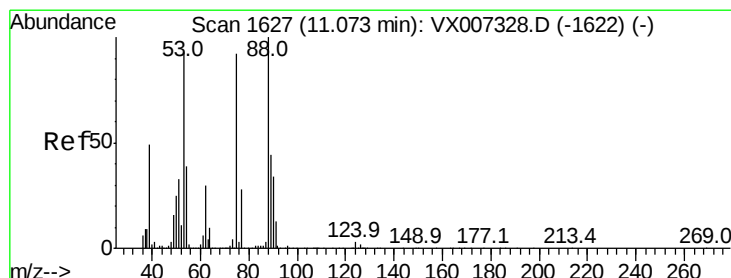
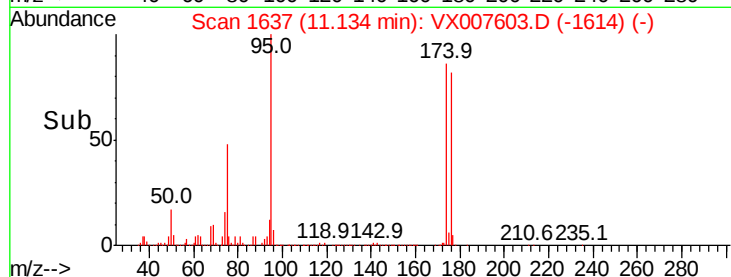
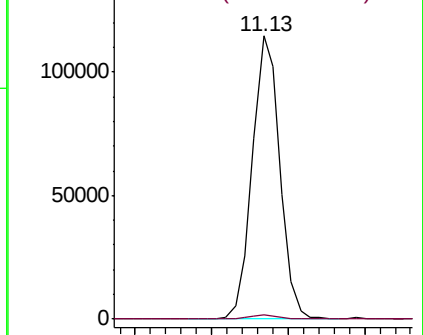
75 100

77 1.6 23.0 69.0#



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: 68.999 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007603.D

Acq: 19 Feb 2019 10:44

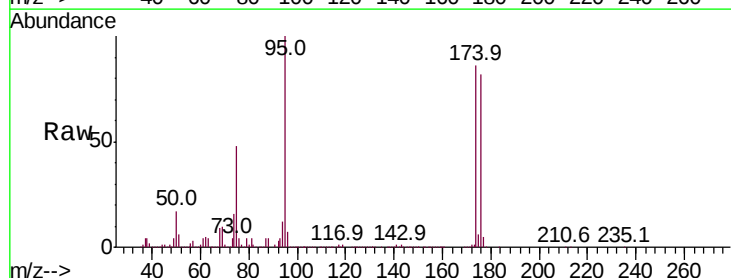
Tgt Ion: 75 Resp: 143697

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 41.4 62.0#



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

