

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070819\
 Data File : VX010716.D
 Acq On : 08 Jul 2019 23:59
 Operator : JC/SP
 Sample : K3691-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST010MW005-190704

Quant Time: Jul 09 01:15:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	224693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350114	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	322793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151864	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	112993	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	5.50	113	106718	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	8.71	98	416589	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.13	95	142150	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

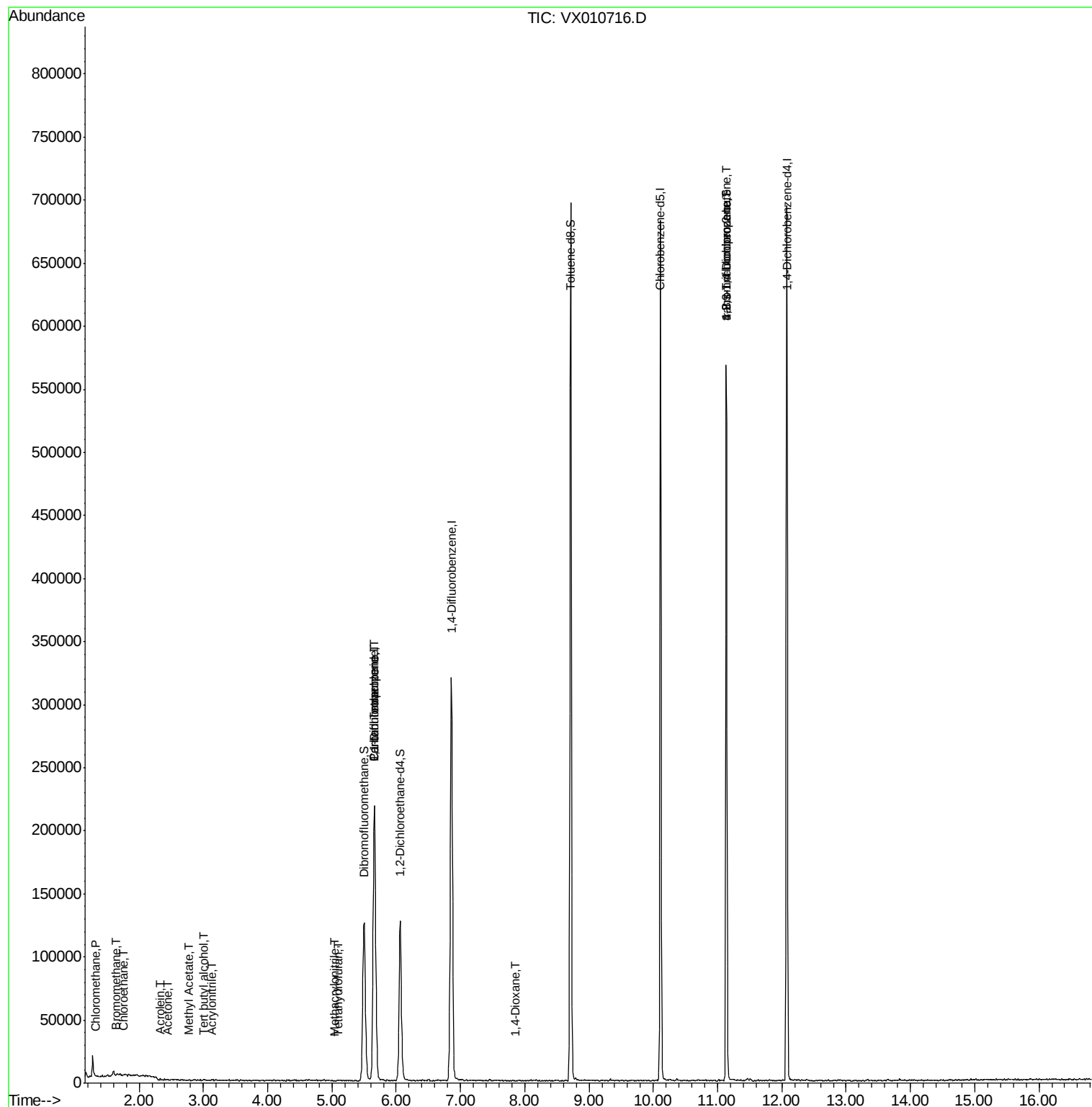
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	550	0.302	ug/l #	65
5) Bromomethane	1.65	94	555	0.572	ug/l	83
6) Chloroethane	1.75	64	526	0.447	ug/l #	71
11) Tert butyl alcohol	3.01	59	348	0.631	ug/l	96
13) Acrolein	2.32	56	115	0.314	ug/l #	14
15) Acrylonitrile	3.14	53	223	0.204	ug/l #	41
16) Acetone	2.45	43	257	0.243	ug/l #	39
18) Methyl Acetate	2.78	43	500	0.238	ug/l #	58
29) Tetrahydrofuran	5.10	42	357	0.372	ug/l #	38
36) 1,1-Dichloropropene	5.67	75	14306	5.142	ug/l #	43
38) Carbon Tetrachloride	5.67	117	20705	6.872	ug/l #	14
41) Methacrylonitrile	5.05	41	374	0.238	ug/l #	43
49) 1,4-Dioxane	7.85	88	45	0.710	ug/l #	21
76) 1,2,3-Trichloropropane	11.13	75	71017	25.662	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71017	59.868	ug/l #	16

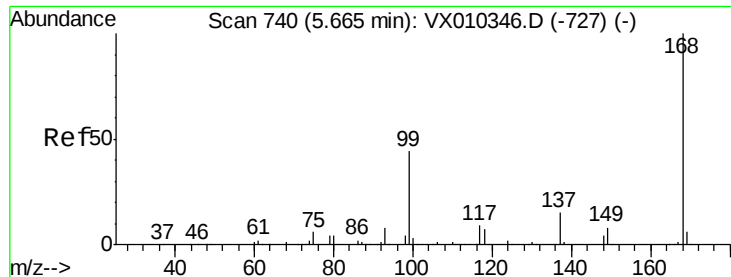
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010716.D

Acq: 08 Jul 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

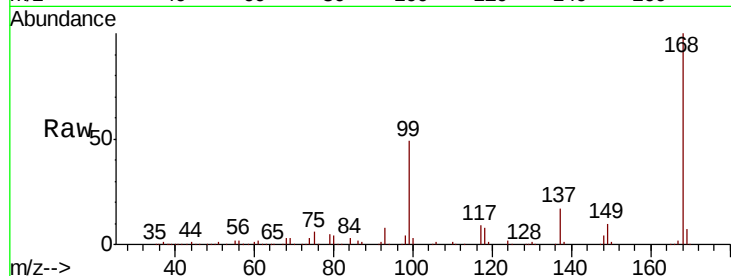
ST010MW005-190704

Tot Ion:168 Resp: 224693

Ion Ratio Lower Upper

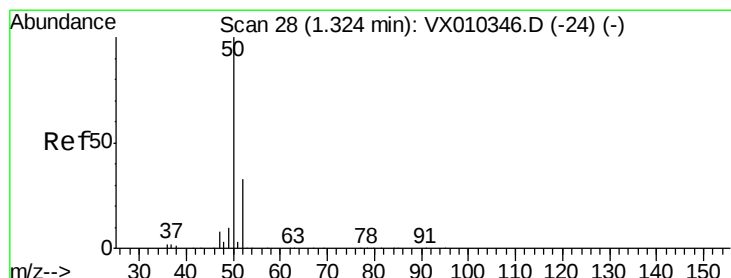
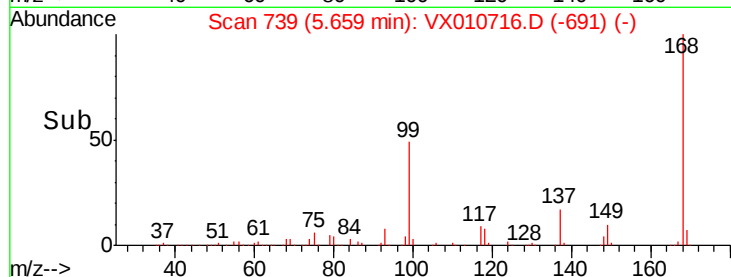
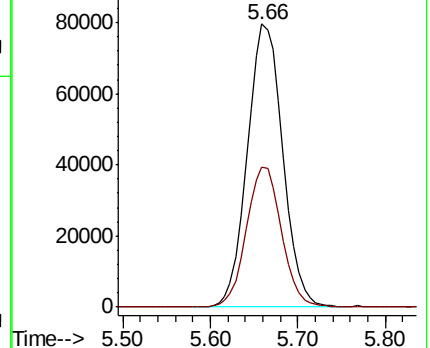
168 100

99 49.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.302 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010716.D

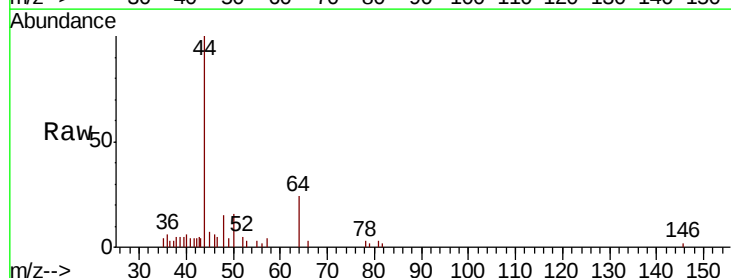
Acq: 08 Jul 2019 23:59

Tgt Ion: 50 Resp: 550

Ion Ratio Lower Upper

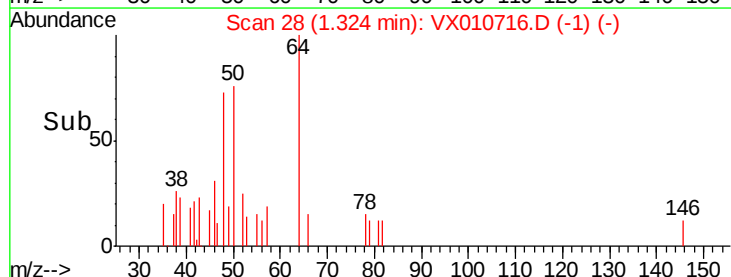
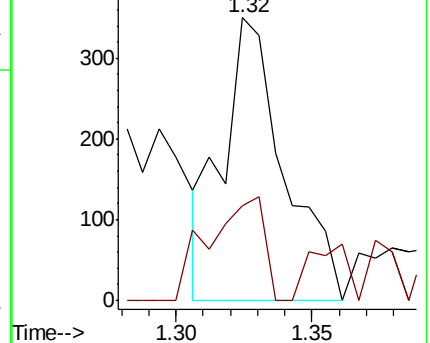
50 100

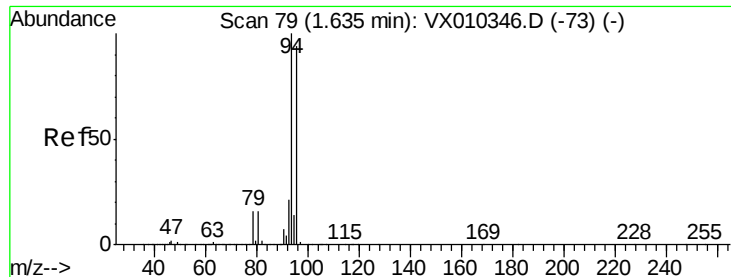
52 13.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.572 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010716.D

Acq: 08 Jul 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

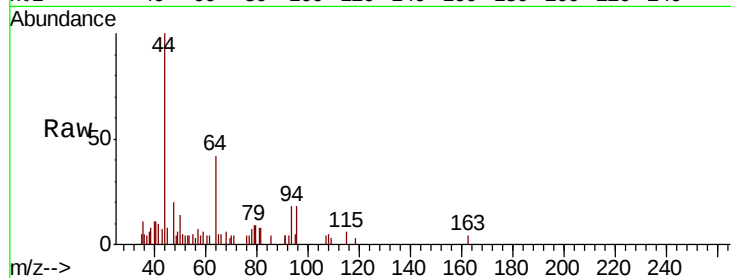
ST010MW005-190704

Tot Ion: 94 Resp: 555

Ion Ratio Lower Upper

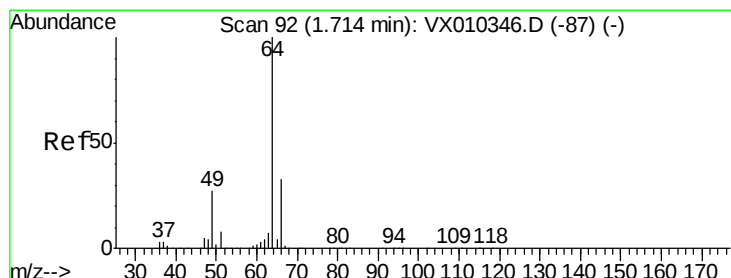
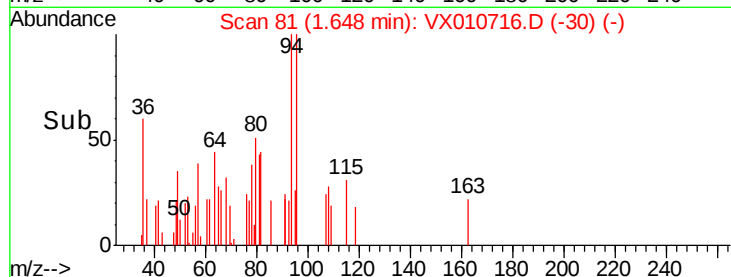
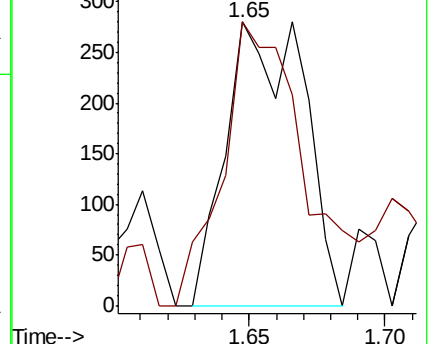
94 100

96 77.5 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.447 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX010716.D

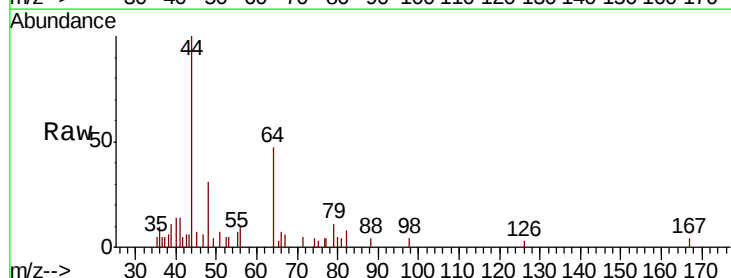
Acq: 08 Jul 2019 23:59

Tgt Ion: 64 Resp: 526

Ion Ratio Lower Upper

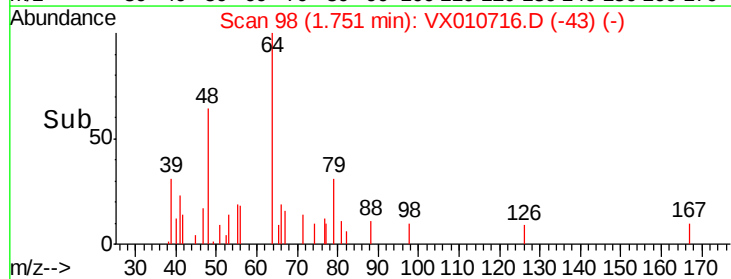
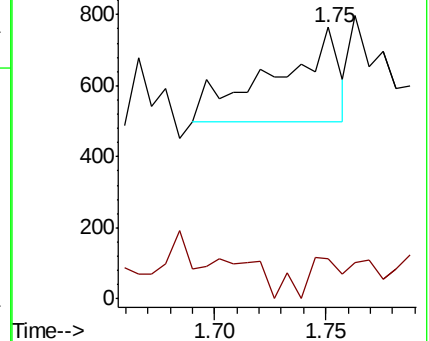
64 100

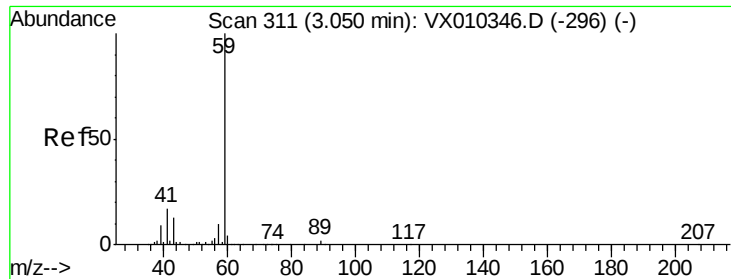
66 16.9 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

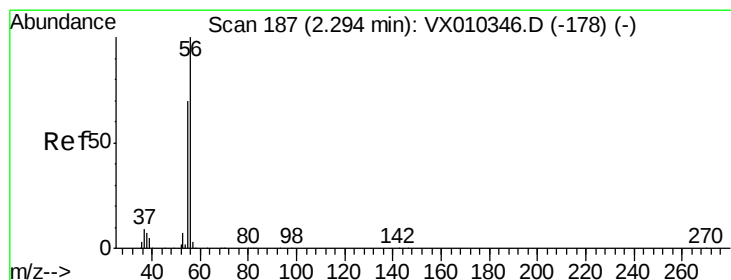
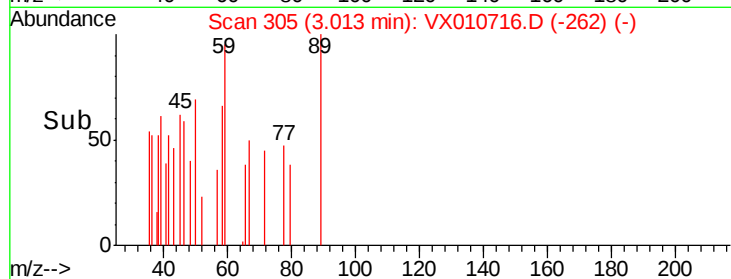
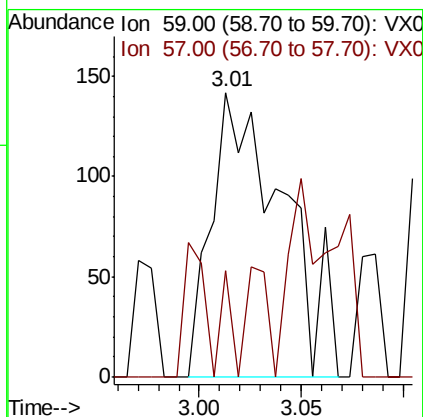
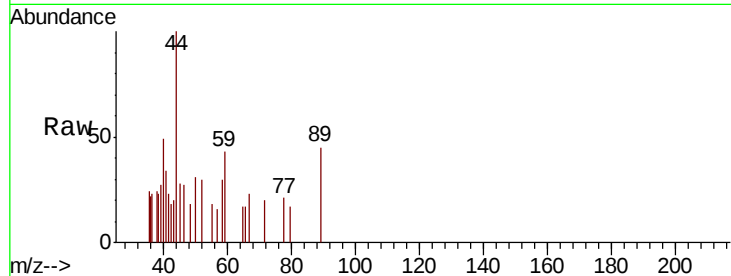




#11
Tert butyl alcohol
Concen: 0.631 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010716.D
Acq: 08 Jul 2019 23:59

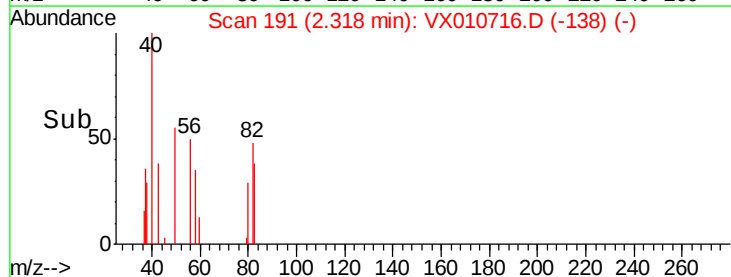
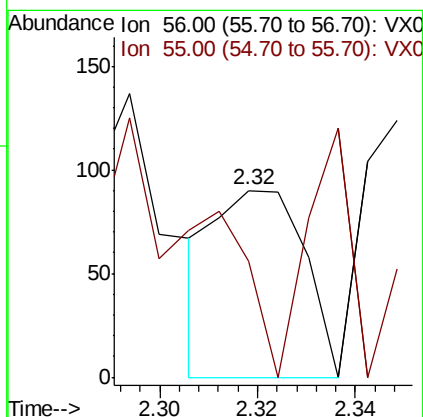
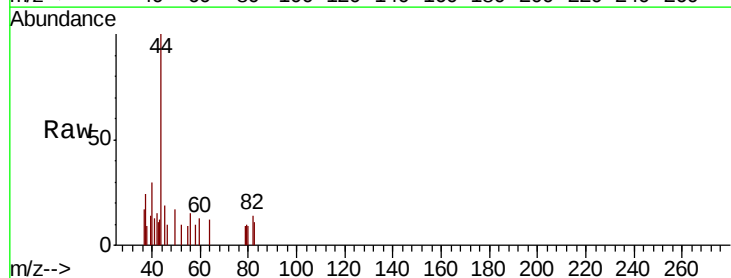
Instrument :
MSVOA_X
ClientSampleId :
ST010MW005-190704

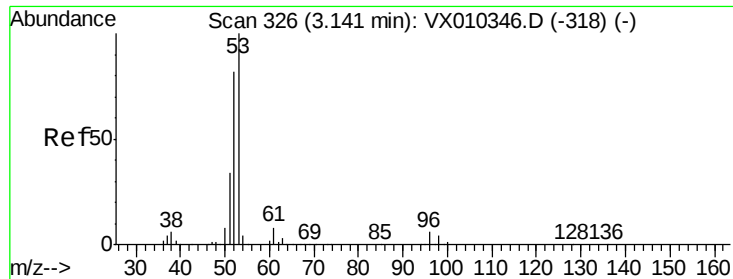
Tot Ion: 59 Resp: 348
Ion Ratio Lower Upper
59 100
57 11.2 7.7 11.5



#13
Acrolein
Concen: 0.314 ug/l
RT: 2.32 min Scan# 191
Delta R.T. 0.02 min
Lab File: VX010716.D
Acq: 08 Jul 2019 23:59

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#15

Acrylonitrile

Concen: 0.204 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX010716.D

Acq: 08 Jul 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

ST010MW005-190704

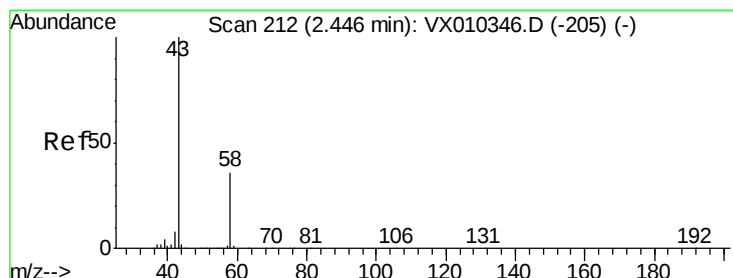
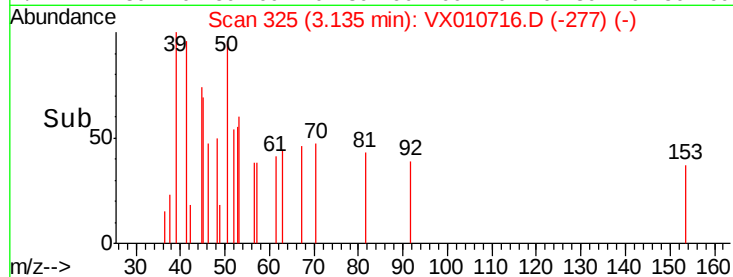
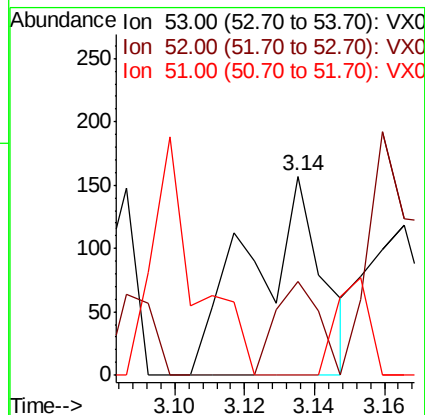
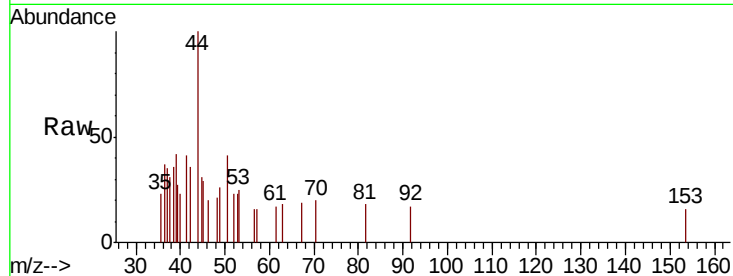
Tot Ion: 53 Resp: 223

Ion Ratio Lower Upper

53 100

52 29.1 65.5 98.3#

51 0.0 28.2 42.4#



#16

Acetone

Concen: 0.243 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010716.D

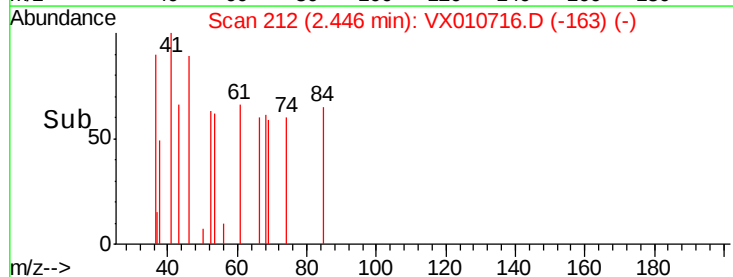
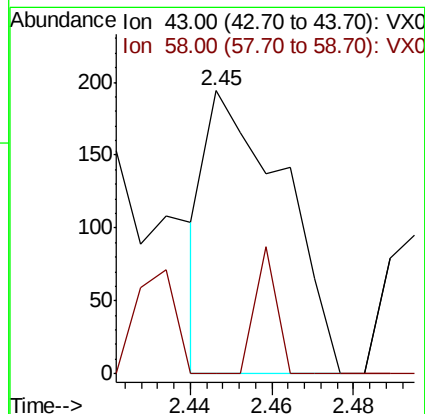
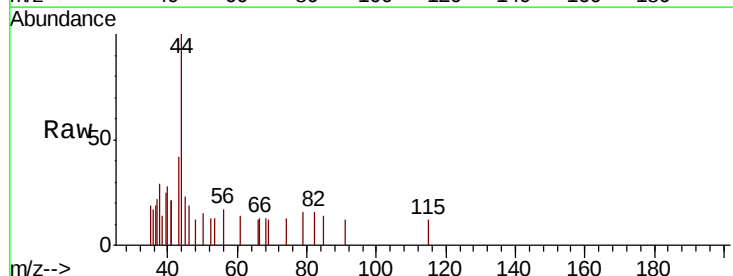
Acq: 08 Jul 2019 23:59

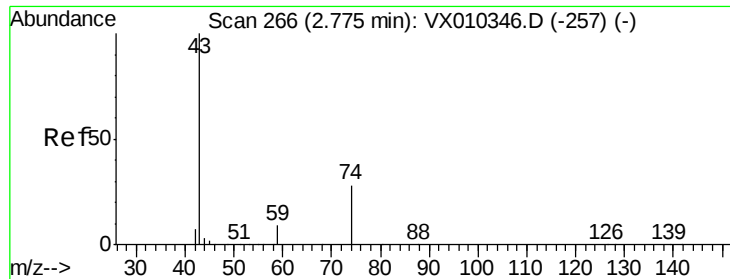
Tgt Ion: 43 Resp: 257

Ion Ratio Lower Upper

43 100

58 0.0 28.9 43.3#

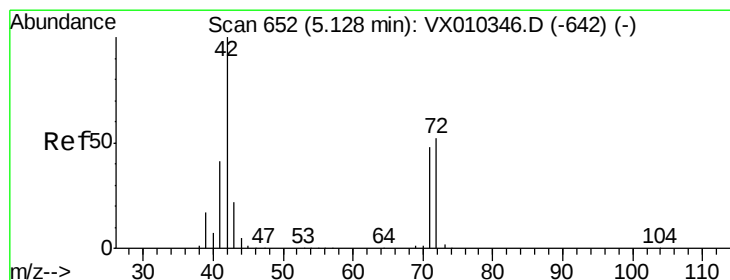
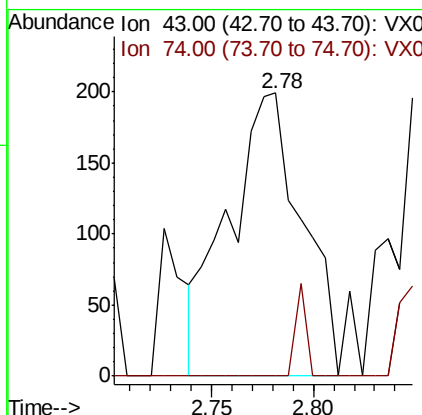
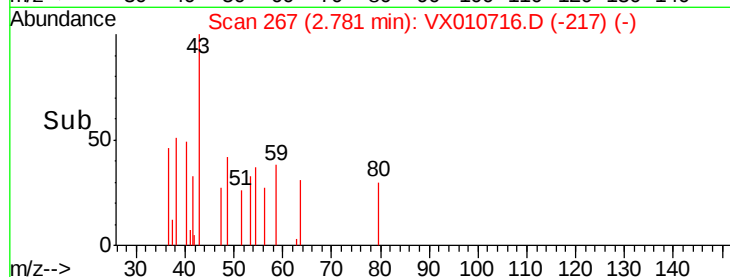
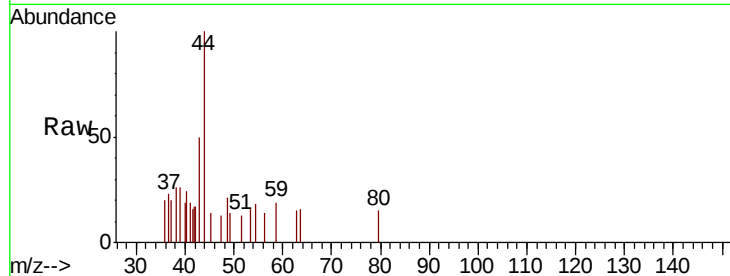




#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010716.D
Acq: 08 Jul 2019 23:59

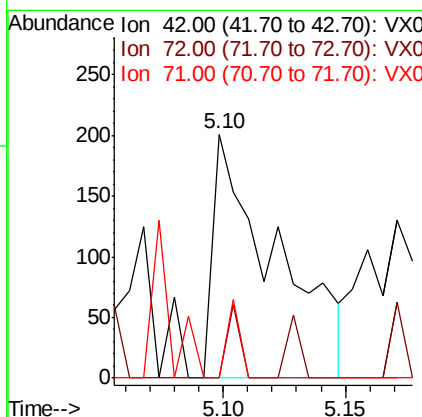
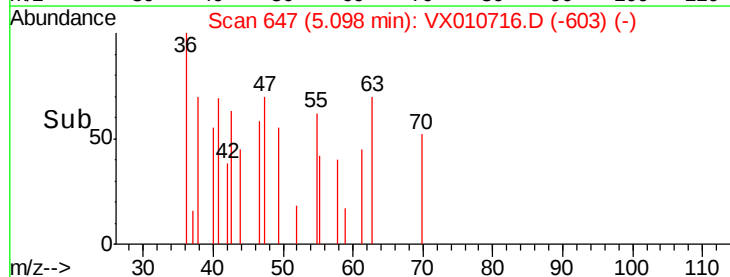
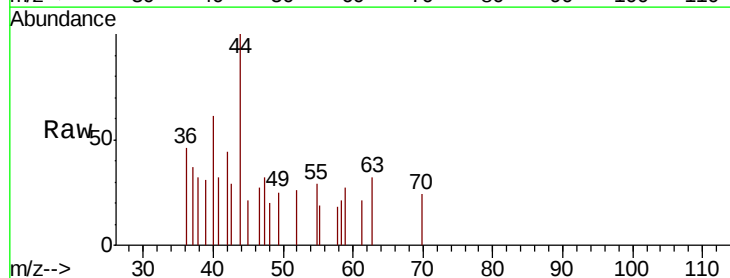
Instrument :
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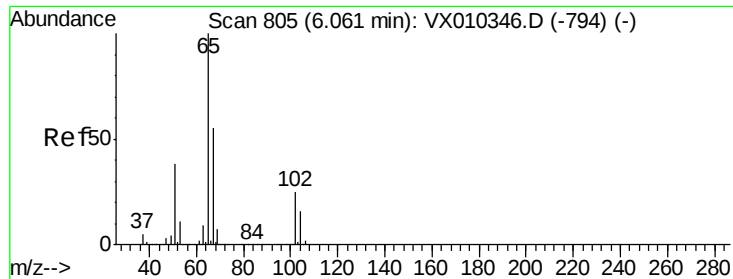
Tot Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
74 4.8 21.3 31.9#



#29
Tetrahydrofuran
Concen: 0.372 ug/l
RT: 5.10 min Scan# 647
Delta R.T. -0.03 min
Lab File: VX010716.D
Acq: 08 Jul 2019 23:59

Tgt Ion: 42 Resp: 357
Ion Ratio Lower Upper
42 100
72 6.2 40.6 60.8#
71 6.7 37.8 56.8#

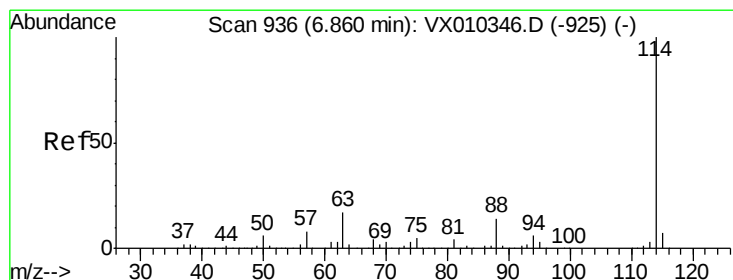
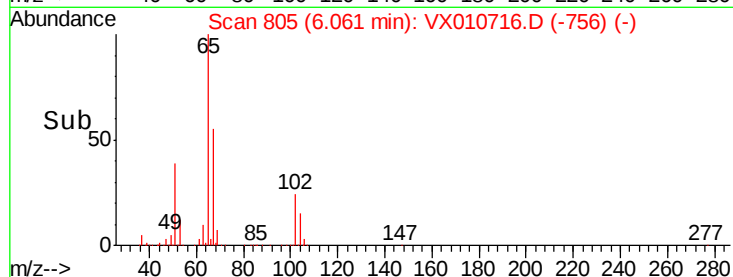
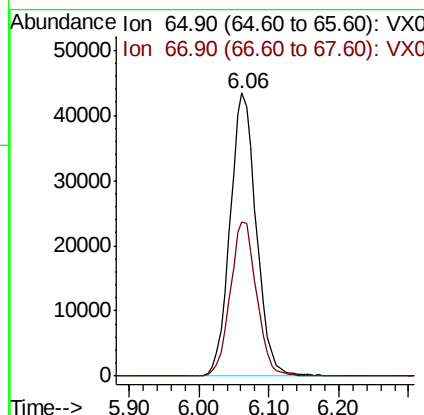
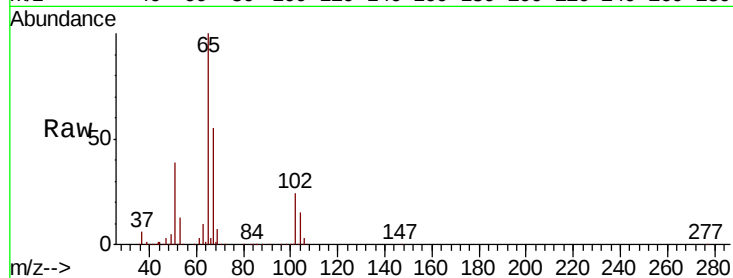




#33
 1,2-Dichloroethane-d4
 Concen: 53.635 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010716.D
 Acq: 08 Jul 2019 23:59

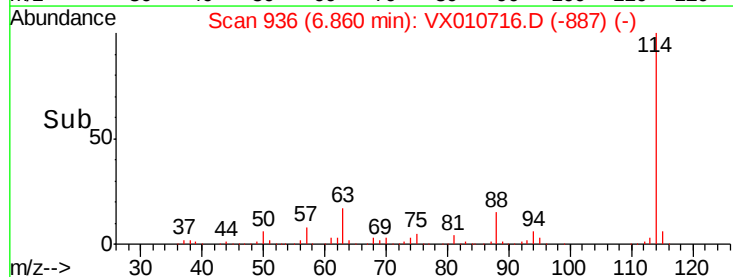
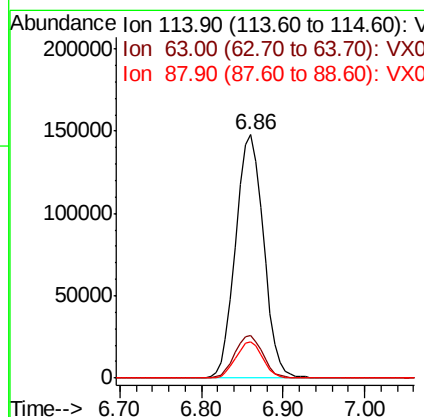
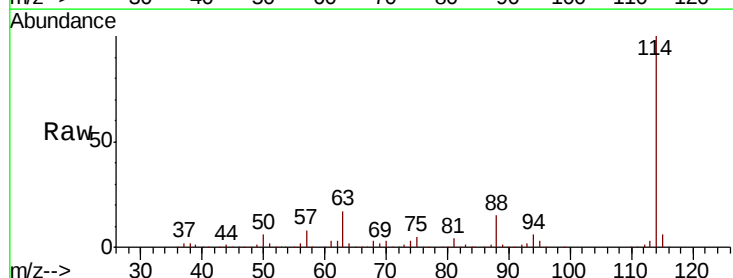
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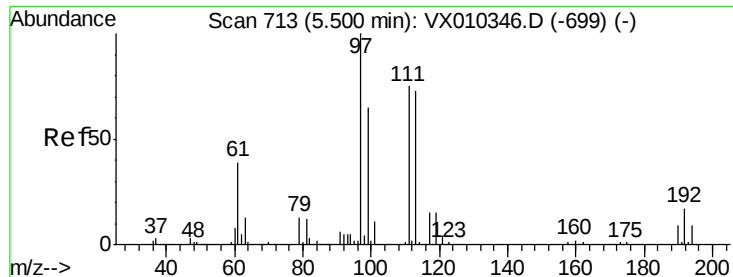
Tot Ion: 65 Resp: 112993
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010716.D
 Acq: 08 Jul 2019 23:59

Tgt Ion: 114 Resp: 350114
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 33.8
 88 14.7 0.0 27.6

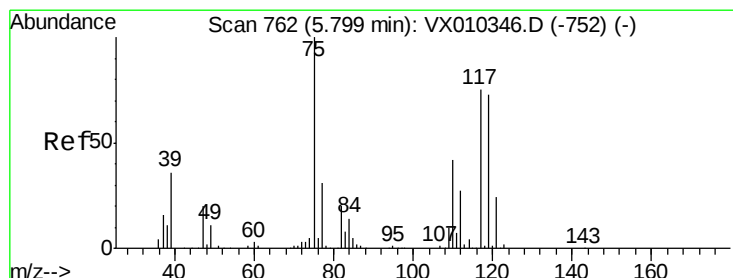
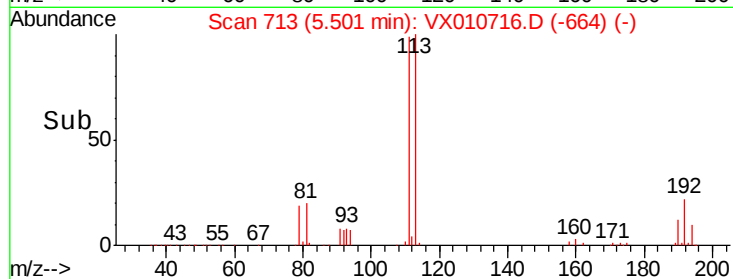
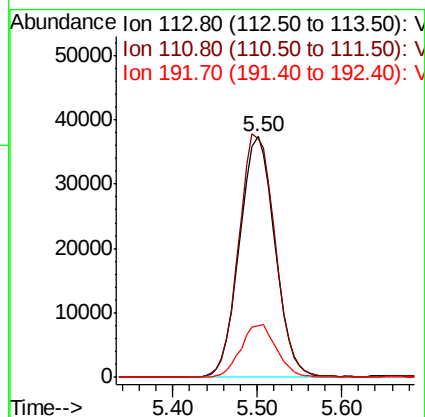
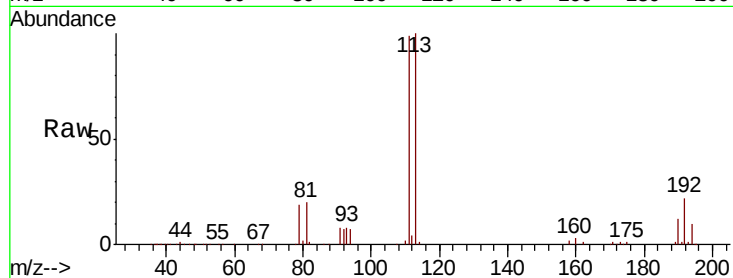




#35
 Dibromofluoromethane
 Concen: 49.819 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010716.D
 Acq: 08 Jul 2019 23:59

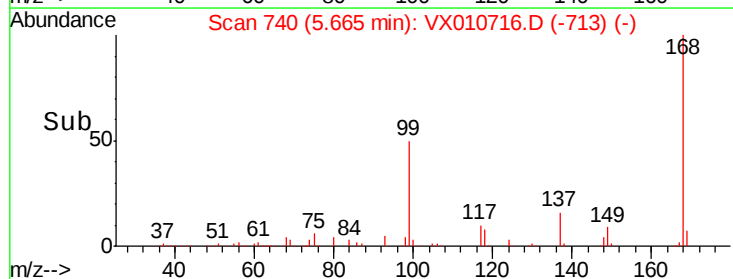
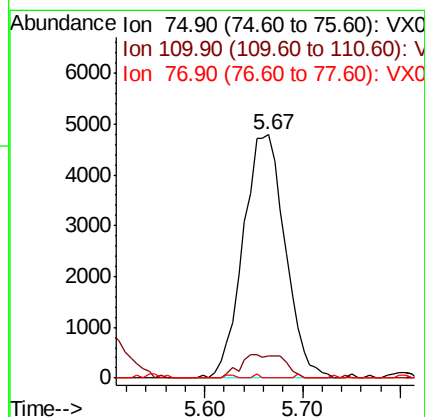
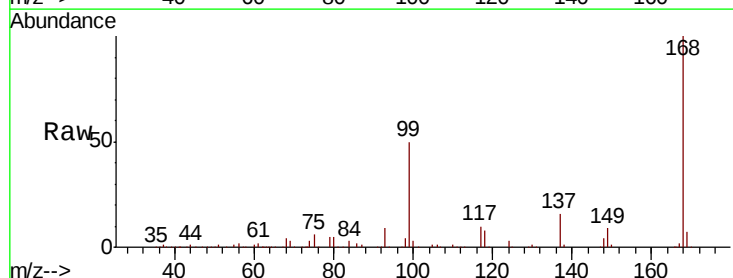
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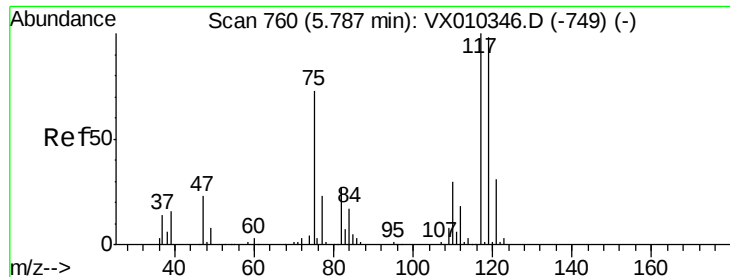
Tot Ion:113 Resp: 106718
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.2 121.8
 192 22.2 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.142 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010716.D
 Acq: 08 Jul 2019 23:59

Tgt Ion: 75 Resp: 14306
 Ion Ratio Lower Upper
 75 100
 110 5.4 20.8 62.2#
 77 0.2 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.872 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010716.D

Acq: 08 Jul 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

ST010MW005-190704

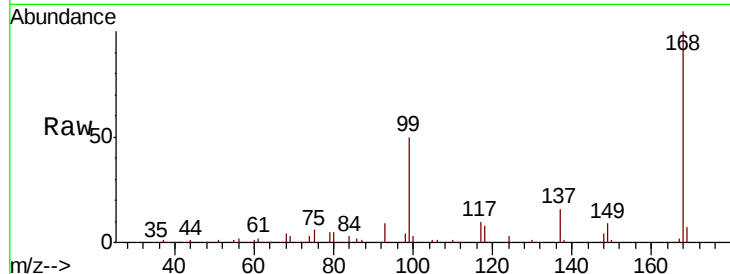
Tot Ion:117 Resp: 20705

Ion Ratio Lower Upper

117 100

119 4.1 78.2 117.4#

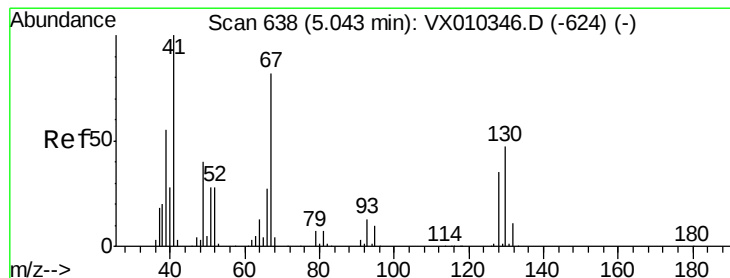
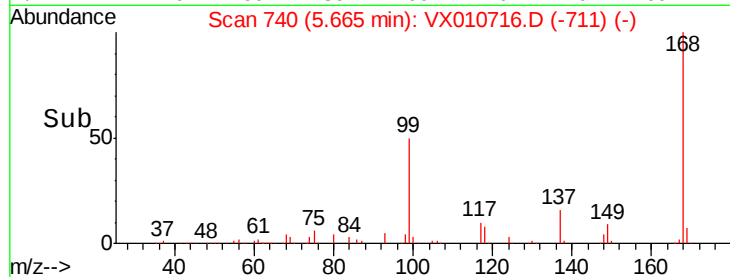
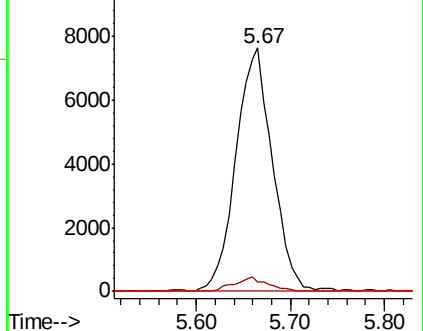
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.238 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX010716.D

Acq: 08 Jul 2019 23:59

Tgt Ion: 41 Resp: 374

Ion Ratio Lower Upper

41 100

39 24.1 43.8 65.8#

67 4.8 66.6 100.0#

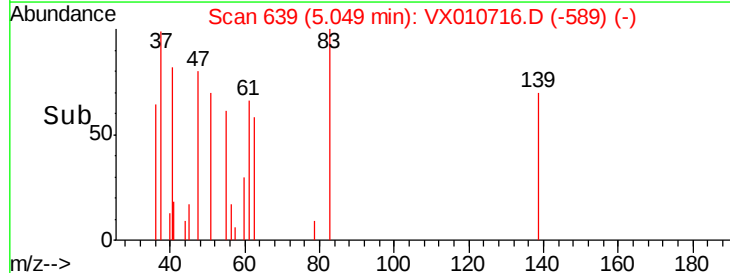
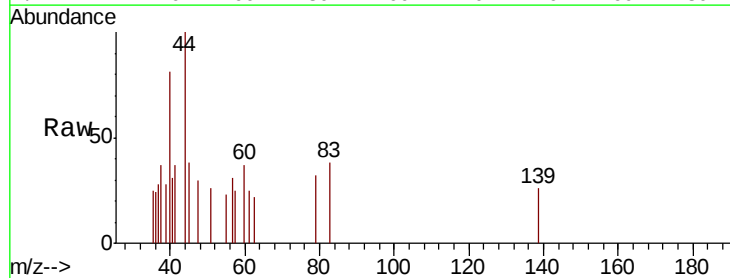
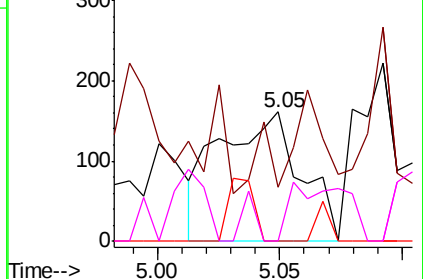
52 30.5 24.5 36.7

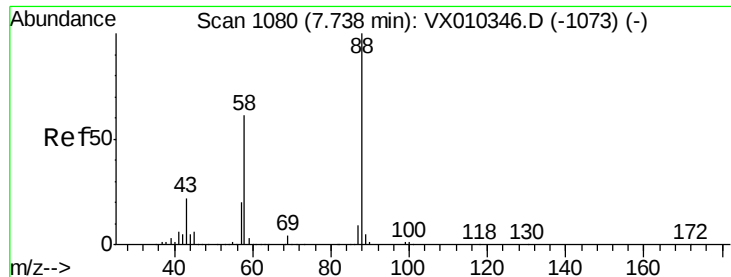
Abundance Ion 41.00 (40.70 to 41.70): VX0

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

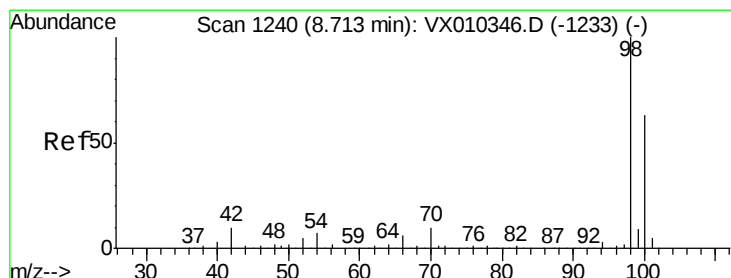
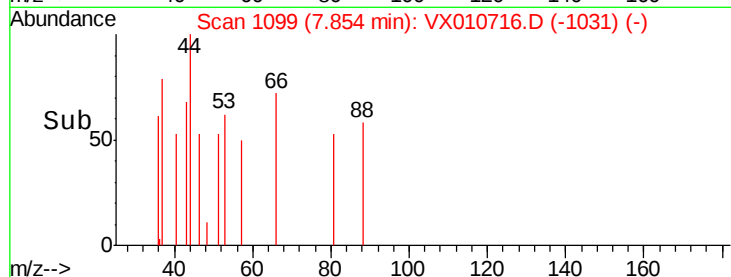
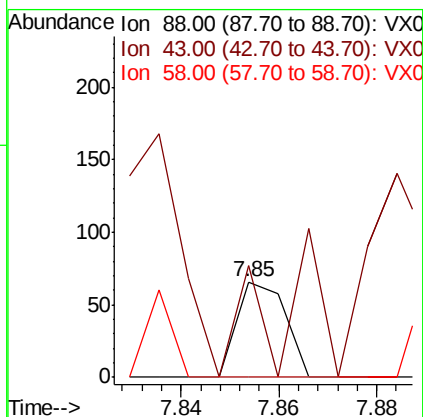
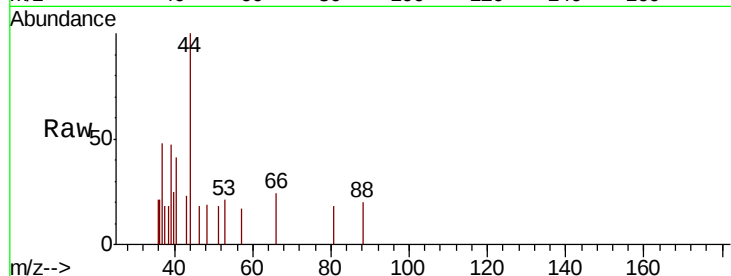




#49
1,4-Dioxane
Concen: 0.710 ug/l
RT: 7.85 min Scan# 1099
Delta R.T. 0.12 min
Lab File: VX010716.D
Acq: 08 Jul 2019 23:59

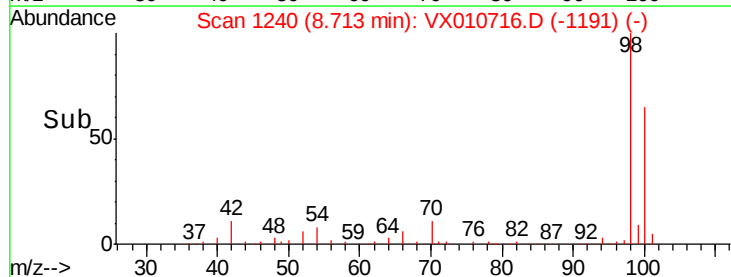
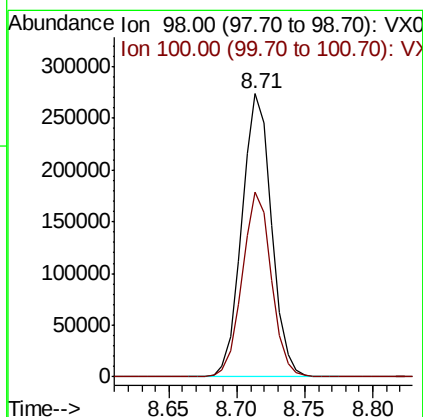
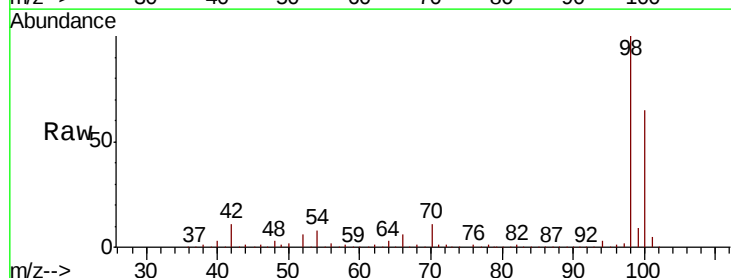
Instrument :
MSVOA_X
ClientSampleId :
ST010MW005-190704

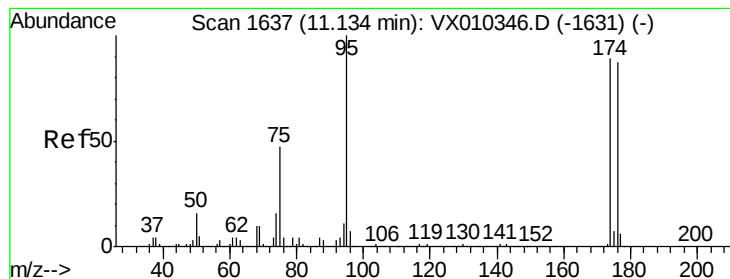
Tot Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 62.2 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 50.832 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010716.D
Acq: 08 Jul 2019 23:59

Tgt Ion: 98 Resp: 416589
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 48.044 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010716.D

Acq: 08 Jul 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

ST010MW005-190704

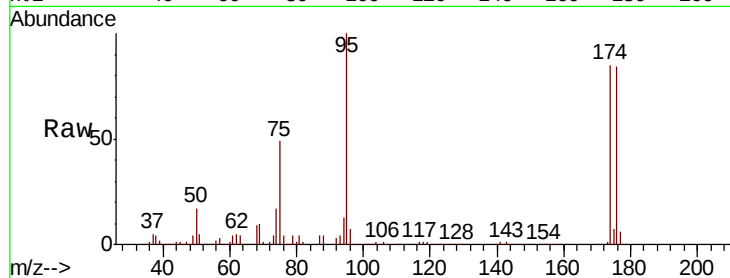
Tot Ion: 95 Resp: 142150

Ion Ratio Lower Upper

95 100

174 93.5 0.0 187.6

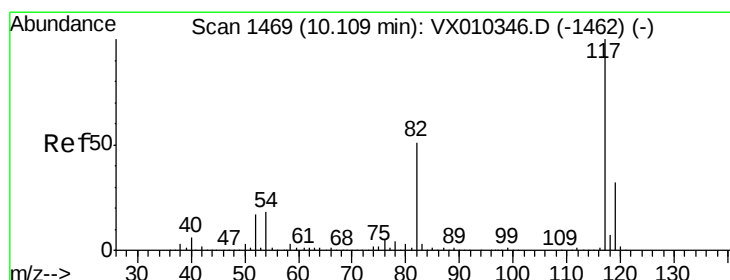
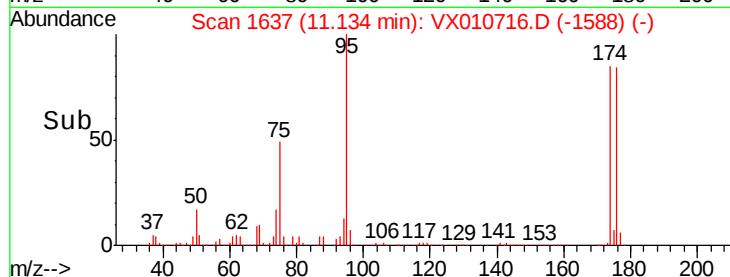
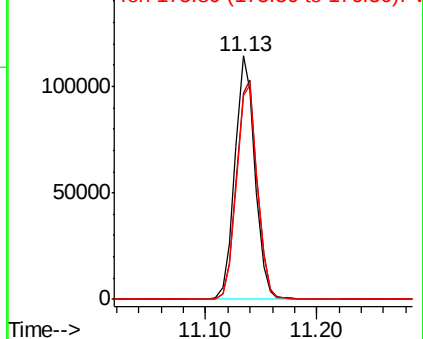
176 91.7 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010716.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010716.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010716.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010716.D

Acq: 08 Jul 2019 23:59

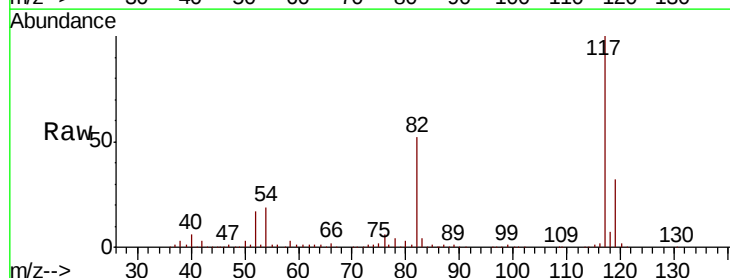
Tgt Ion: 117 Resp: 322793

Ion Ratio Lower Upper

117 100

82 52.0 41.2 61.8

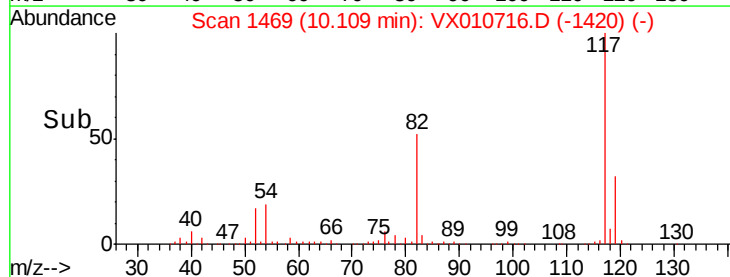
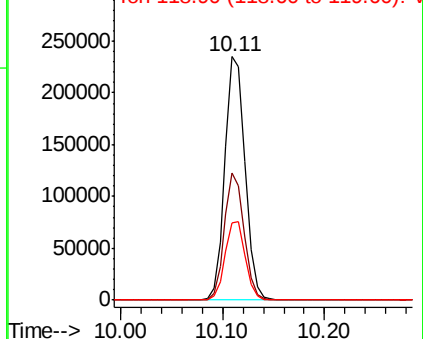
119 31.7 25.5 38.3

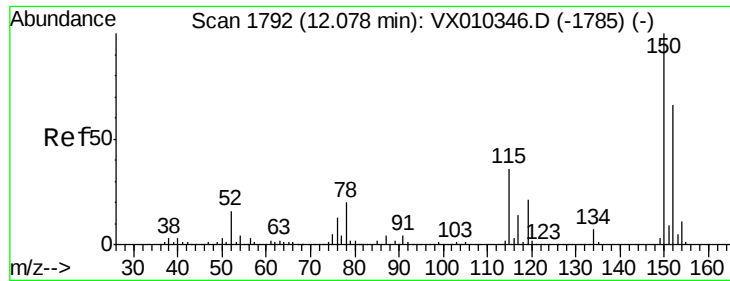


Abundance Ion 116.90 (116.60 to 117.60): VX010716.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010716.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010716.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010716.D

Acq: 08 Jul 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

ST010MW005-190704

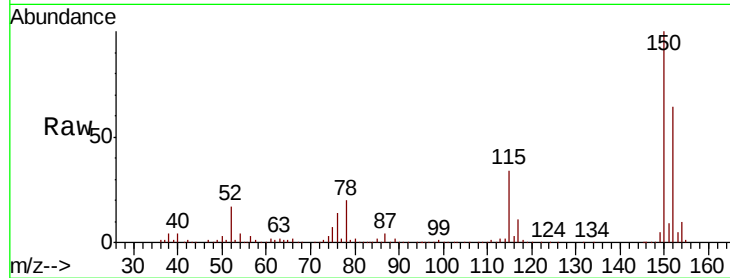
Tot Ion:152 Resp: 151864

Ion Ratio Lower Upper

152 100

115 54.1 38.6 115.7

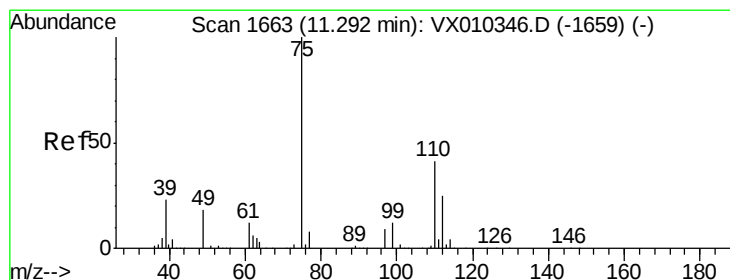
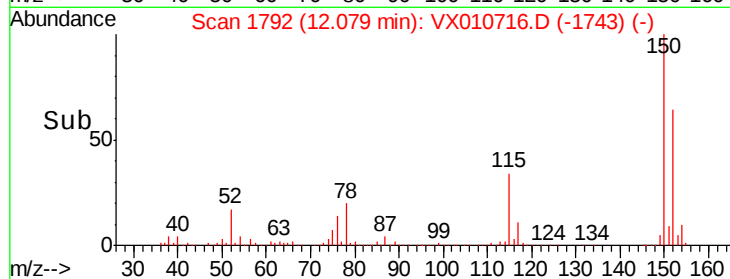
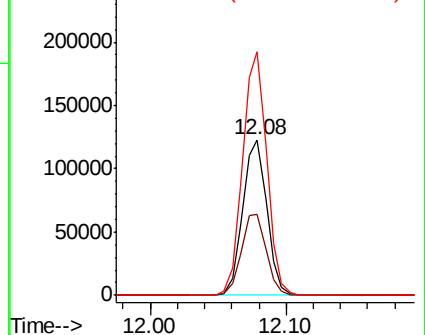
150 156.2 0.0 347.4



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: 25.662 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010716.D

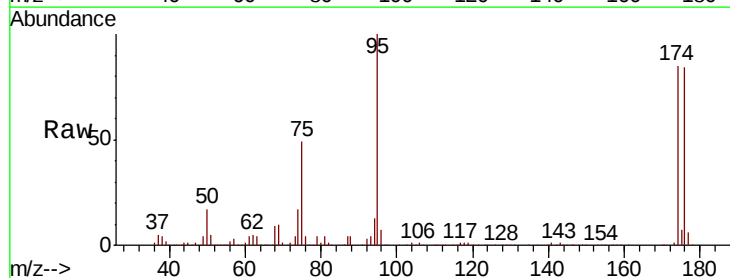
Acq: 08 Jul 2019 23:59

Tgt Ion: 75 Resp: 71017

Ion Ratio Lower Upper

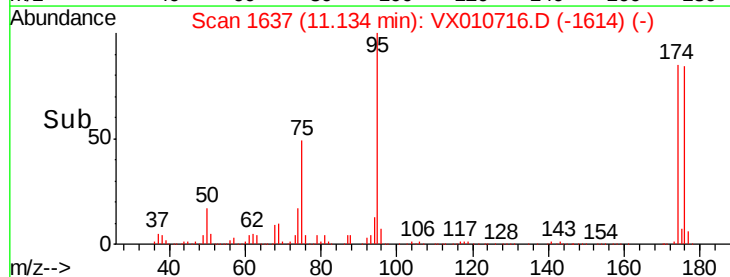
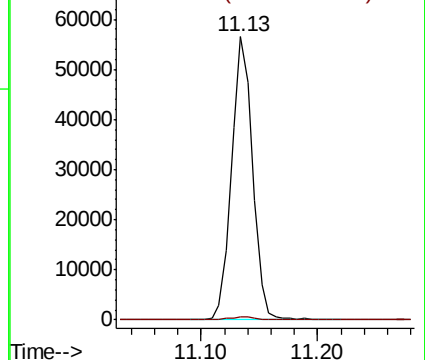
75 100

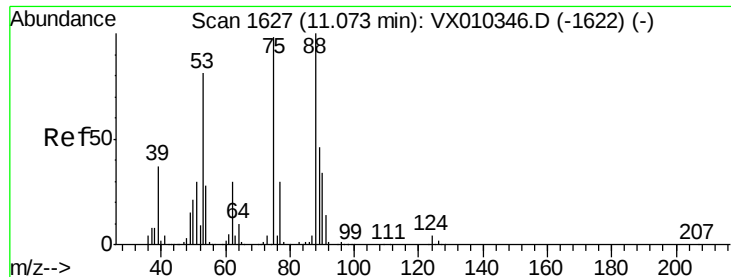
77 1.2 22.6 67.8#



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: 59.868 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010716.D
 Acq: 08 Jul 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 ST010MW005-190704

Tot Ion: 75 Resp: 71017
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

