

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010940.D
 Acq On : 17 Jul 2019 16:53
 Operator : JC/SP
 Sample : K3855-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW035-190716

Quant Time: Jul 18 02:31:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	318180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145306	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	116672	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	5.50	113	106611	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	8.71	98	412699	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.13	95	143903	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

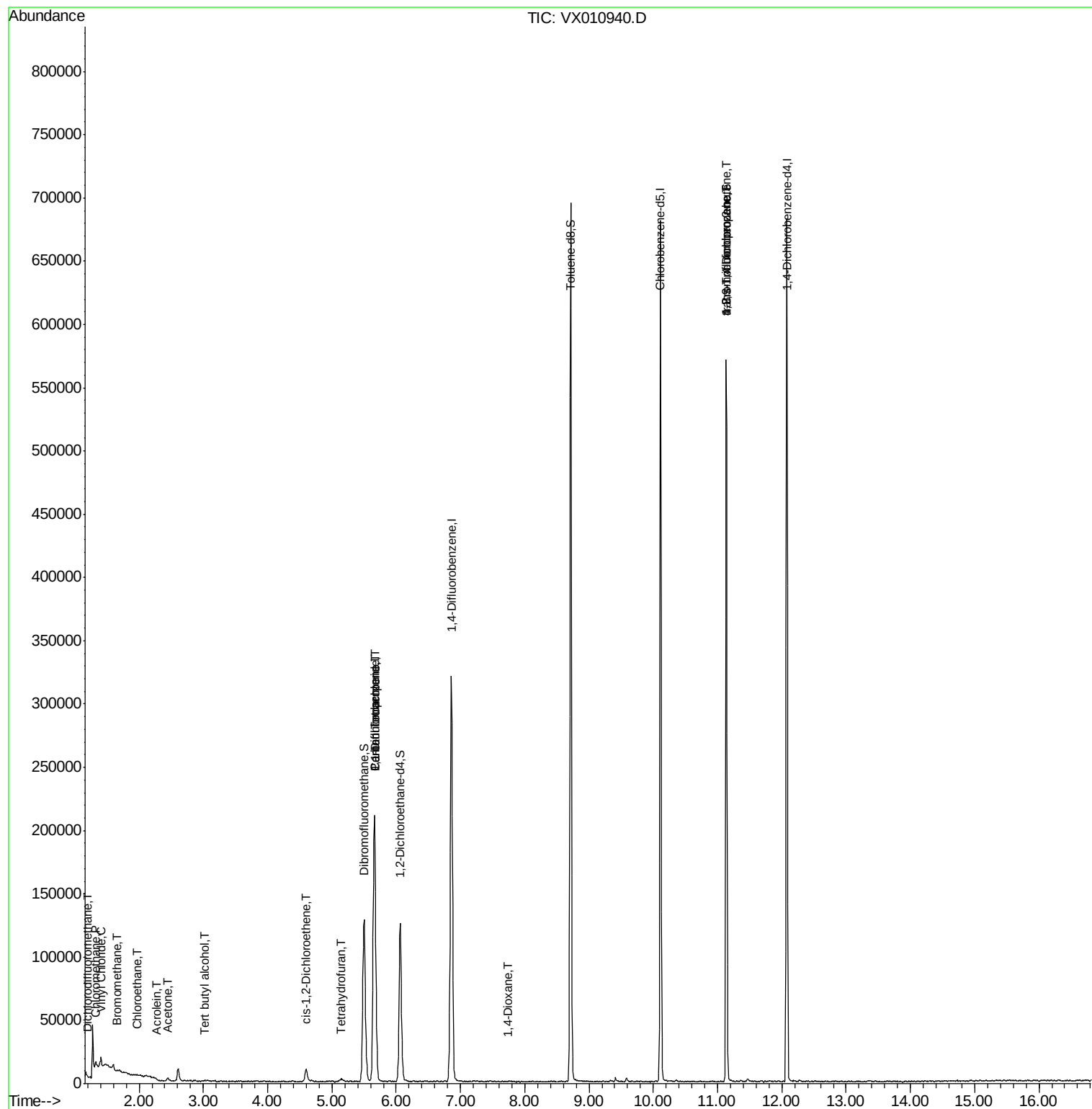
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	56	0.570	ug/l #	43
3) Chloromethane	1.33	50	817	0.405	ug/l #	65
4) Vinyl Chloride	1.41	62	4557	2.213	ug/l	92
5) Bromomethane	1.66	94	269	0.232	ug/l #	62
6) Chloroethane	1.96	64	578	0.442	ug/l #	46
11) Tert butyl alcohol	3.03	59	197	0.362	ug/l #	51
13) Acrolein	2.28	56	80	0.255	ug/l #	15
16) Acetone	2.44	43	2683	2.543	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	6786	2.826	ug/l	87
29) Tetrahydrofuran	5.14	42	2518	2.625	ug/l #	78
36) 1,1-Dichloropropene	5.67	75	14697	5.257	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20093	6.897	ug/l #	18
49) 1,4-Dioxane	7.75	88	40	0.624	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70922	27.048	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	70922	67.052	ug/l #	11

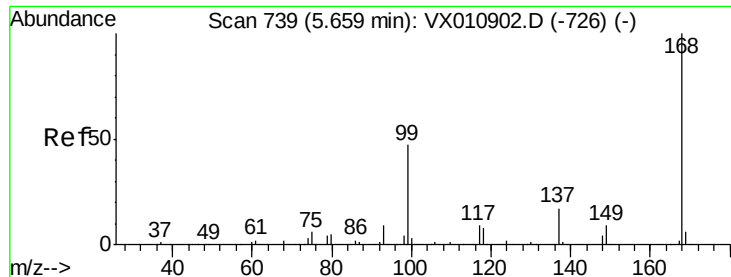
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

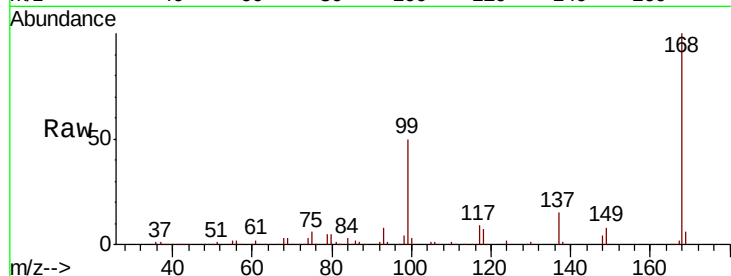
SS050MW035-190716

Tot Ion:168 Resp: 219572

Ion Ratio Lower Upper

168 100

99 49.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

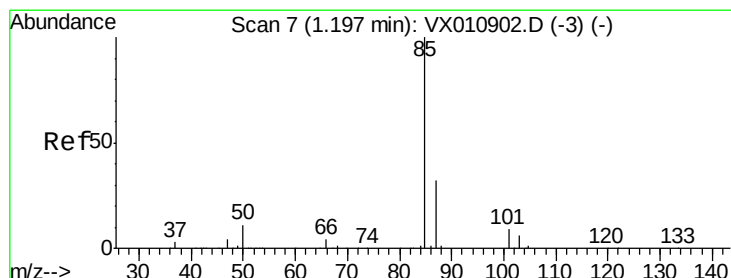
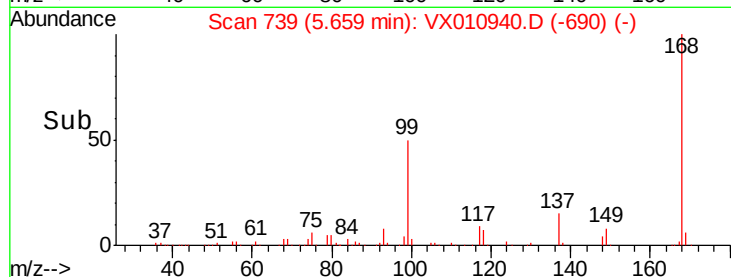
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.570 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010940.D

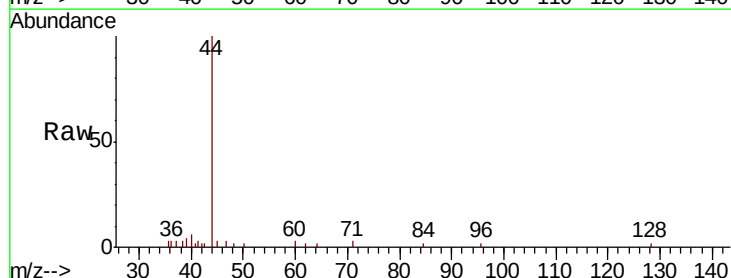
Acq: 17 Jul 2019 16:53

Tgt Ion: 85 Resp: 56

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80

60

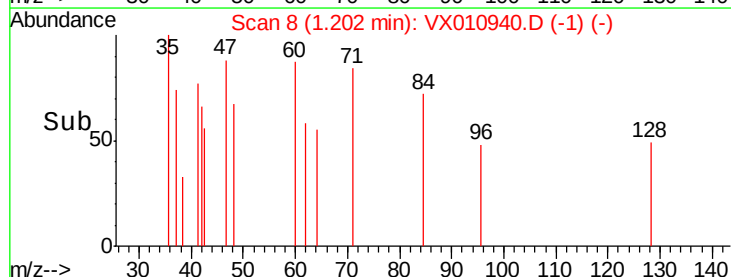
40

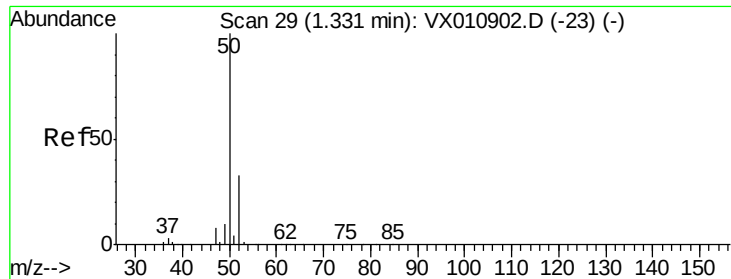
20

0

1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: 0.405 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

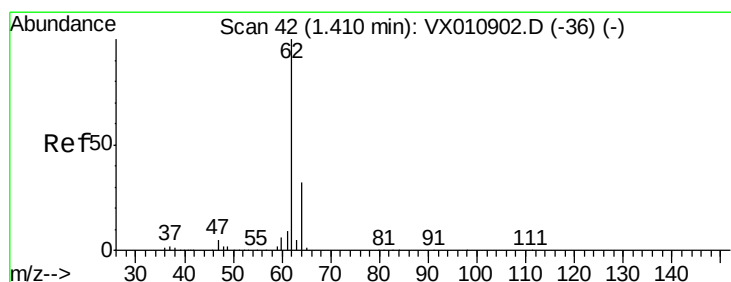
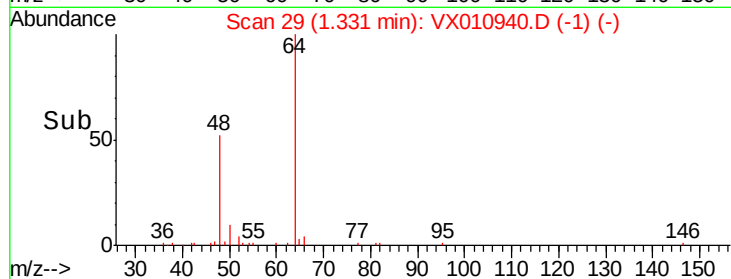
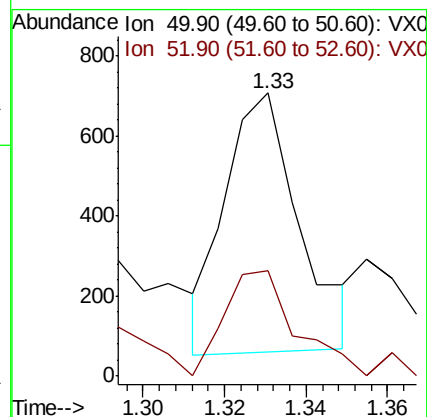
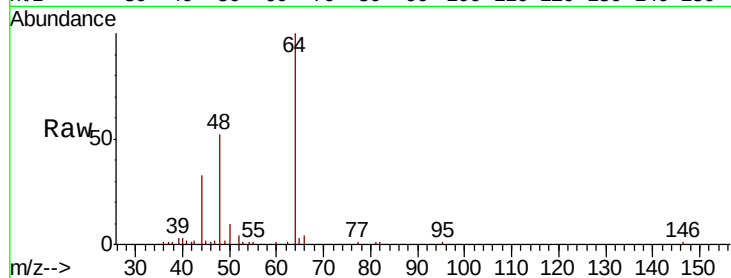
SS050MW035-190716

Tot Ion: 50 Resp: 817

Ion Ratio Lower Upper

50 100

52 52.8 26.4 39.6#



#4

Vinyl Chloride

Concen: 2.213 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010940.D

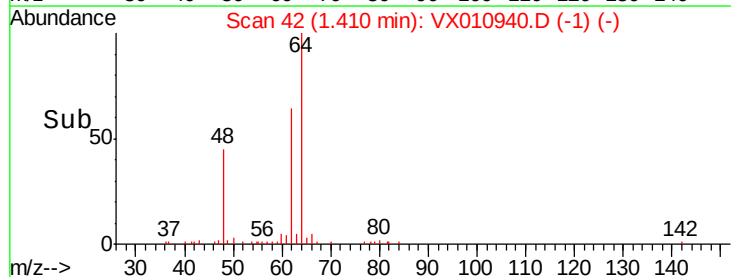
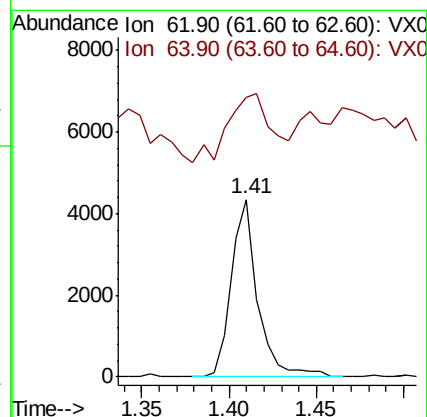
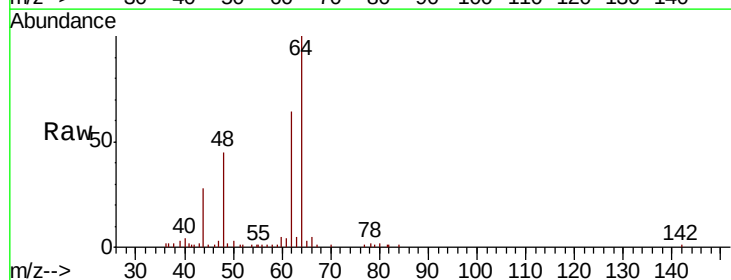
Acq: 17 Jul 2019 16:53

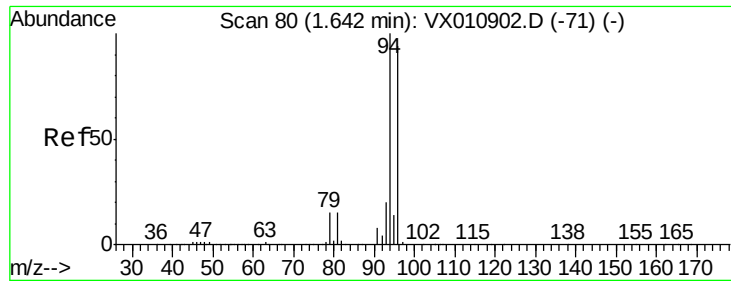
Tgt Ion: 62 Resp: 4557

Ion Ratio Lower Upper

62 100

64 36.8 25.7 38.5





#5

Bromomethane

Concen: 0.232 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

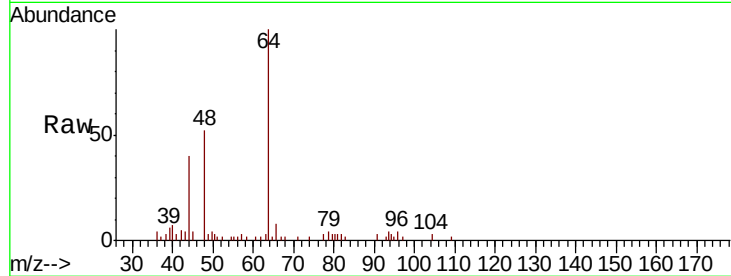
SS050MW035-190716

Tot Ion: 94 Resp: 269

Ion Ratio Lower Upper

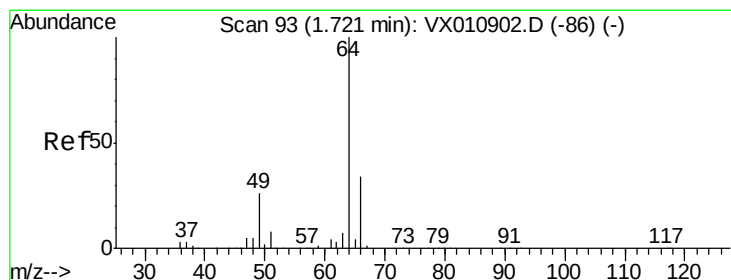
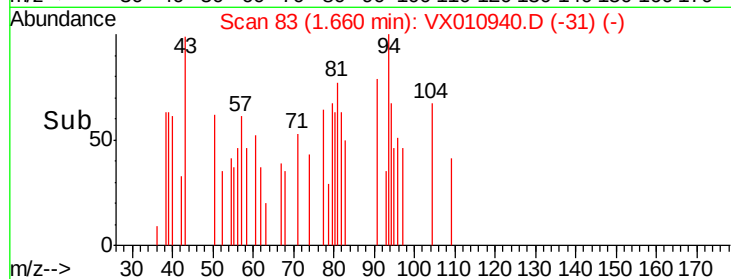
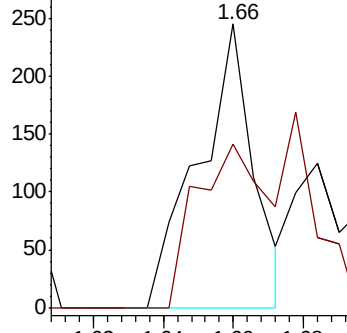
94 100

96 57.6 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.442 ug/l

RT: 1.96 min Scan# 133

Delta R.T. 0.24 min

Lab File: VX010940.D

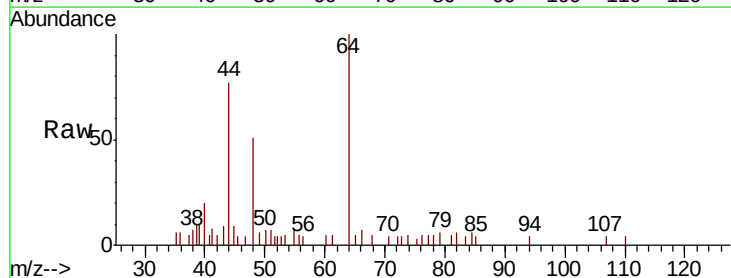
Acq: 17 Jul 2019 16:53

Tgt Ion: 64 Resp: 578

Ion Ratio Lower Upper

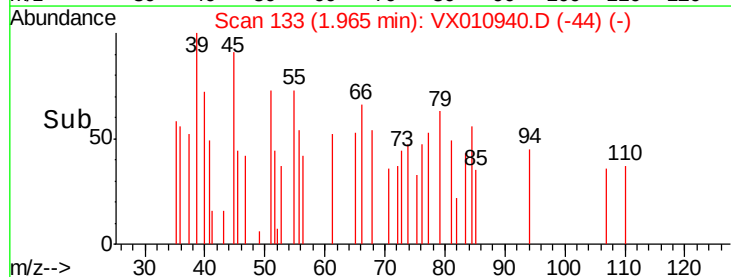
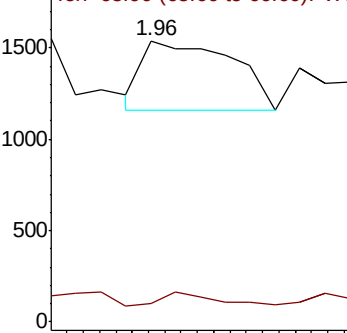
64 100

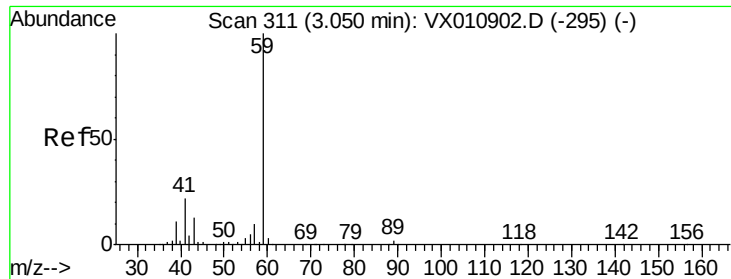
66 2.9 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



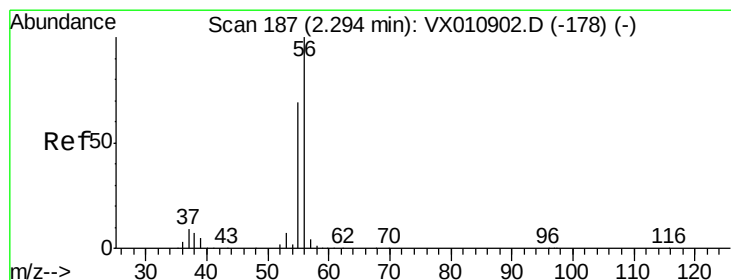
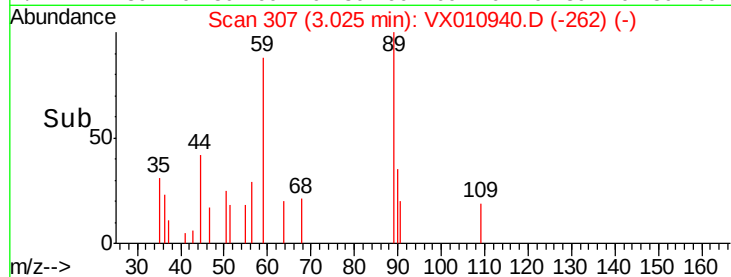
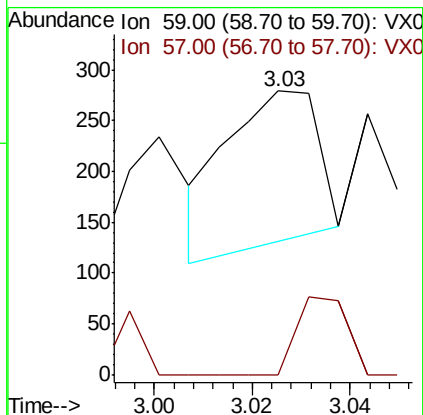
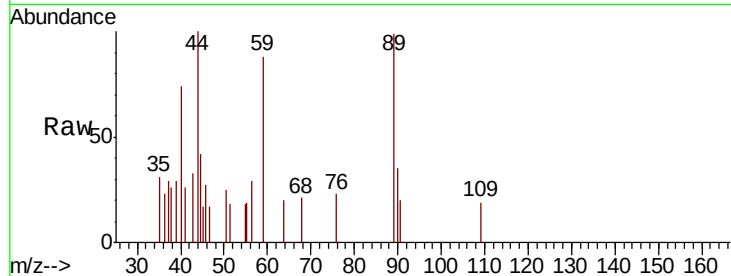


#11

Tert butyl alcohol
Concen: 0.362 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010940.D
Acq: 17 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW035-190716

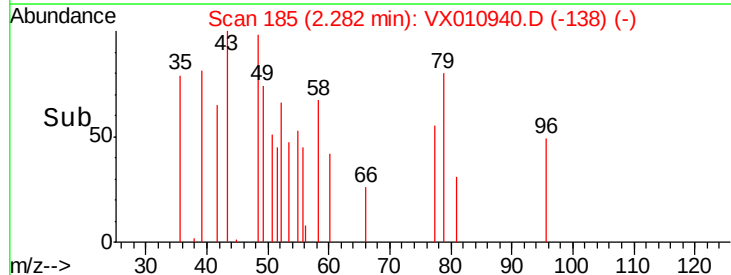
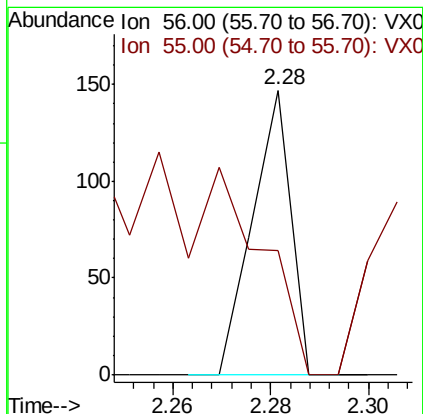
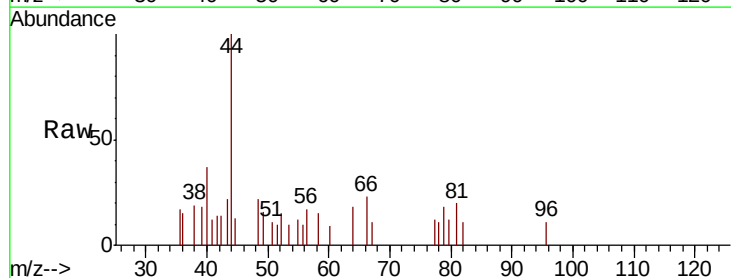
Tot Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 27.9 7.9 11.9#

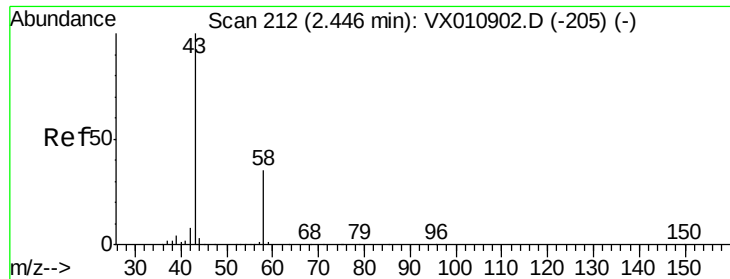


#13

Acrolein
Concen: 0.255 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX010940.D
Acq: 17 Jul 2019 16:53

Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 0.0 55.9 83.9#





#16

Acetone

Concen: 2.543 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

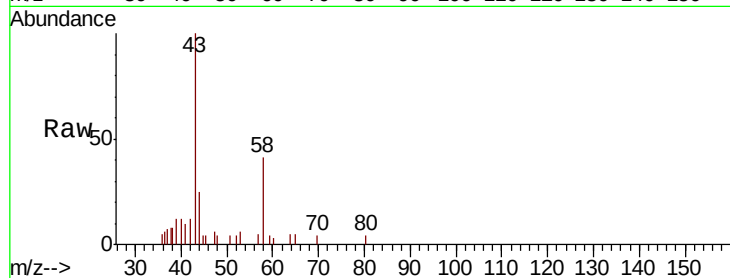
SS050MW035-190716

Tot Ion: 43 Resp: 2683

Ion Ratio Lower Upper

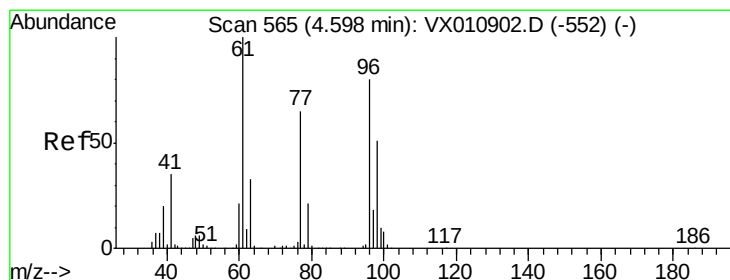
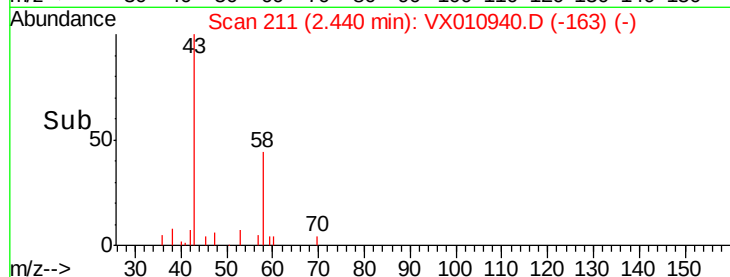
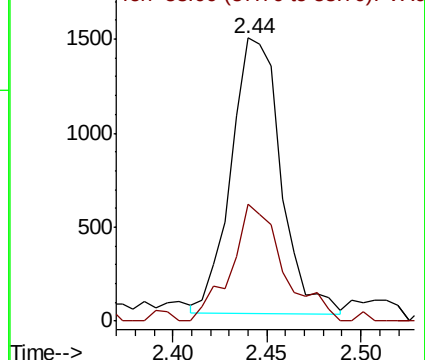
43 100

58 42.9 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.826 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

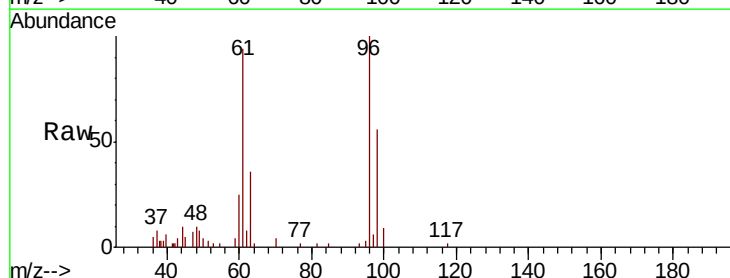
Tgt Ion: 96 Resp: 6786

Ion Ratio Lower Upper

96 100

61 114.2 0.0 269.0

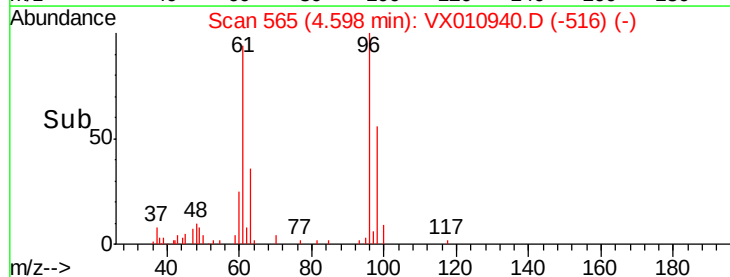
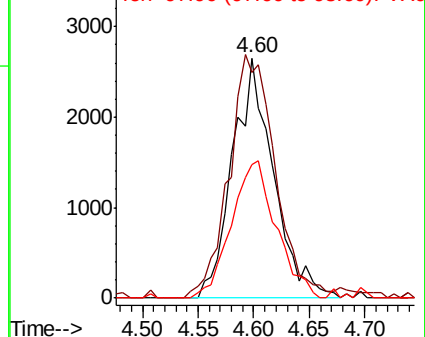
98 62.4 0.0 131.4

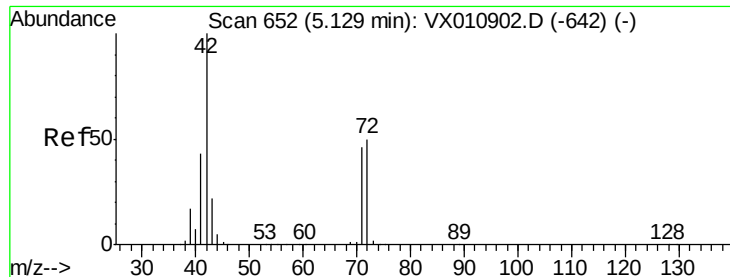


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 2.625 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW035-190716

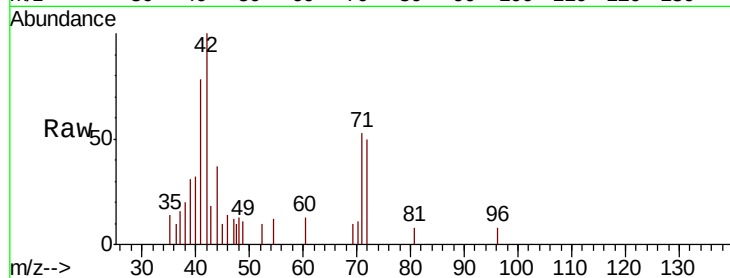
Tot Ion: 42 Resp: 2518

Ion Ratio Lower Upper

42 100

72 41.6 39.8 59.8

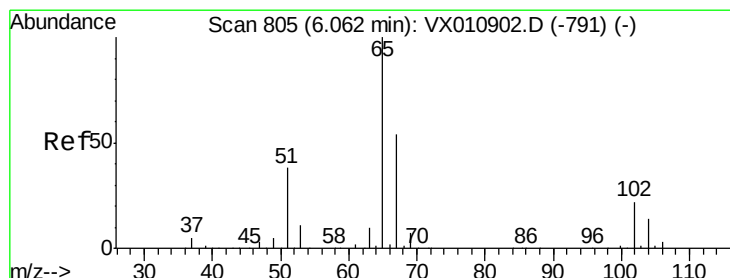
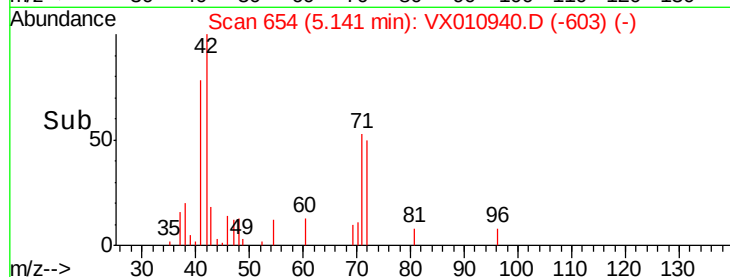
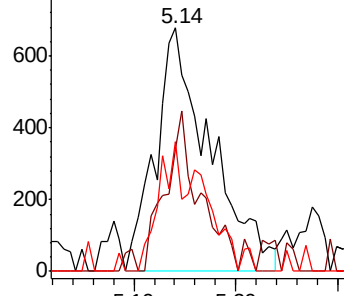
71 24.7 37.0 55.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.947 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010940.D

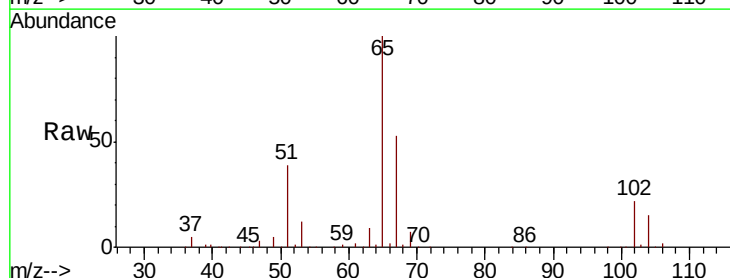
Acq: 17 Jul 2019 16:53

Tgt Ion: 65 Resp: 116672

Ion Ratio Lower Upper

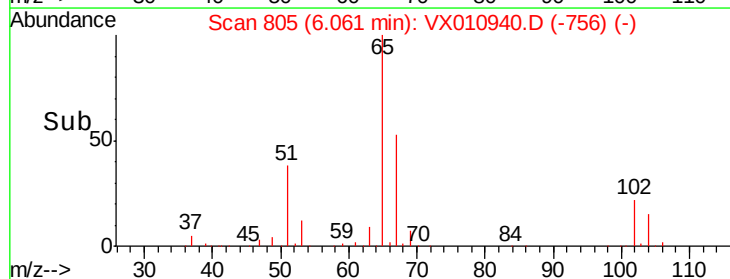
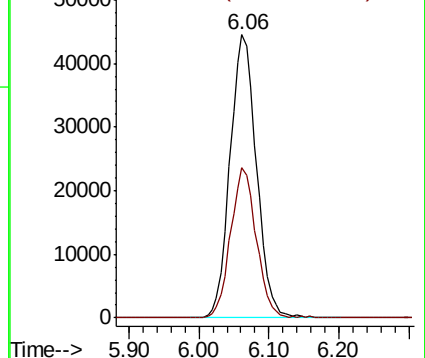
65 100

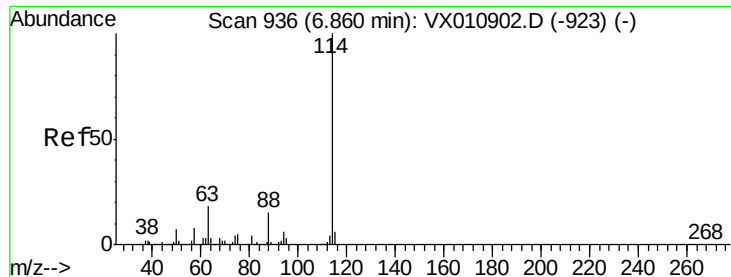
67 51.6 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

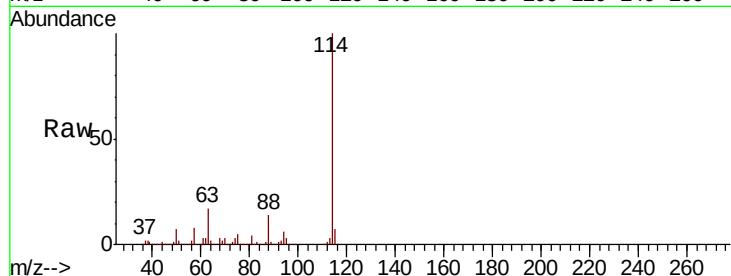




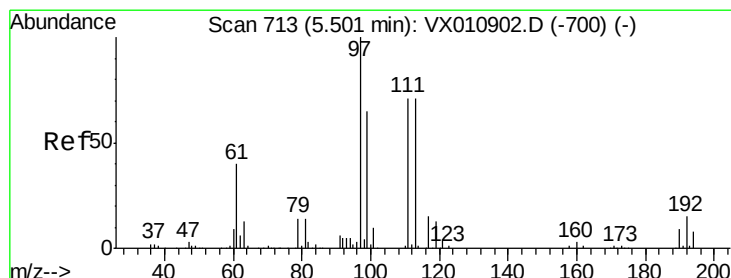
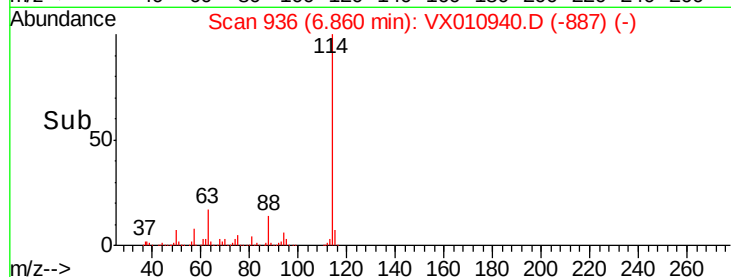
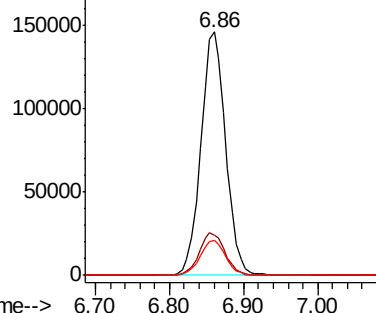
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010940.D
Acq: 17 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW035-190716

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	35.6
88	14.4	0.0	29.8

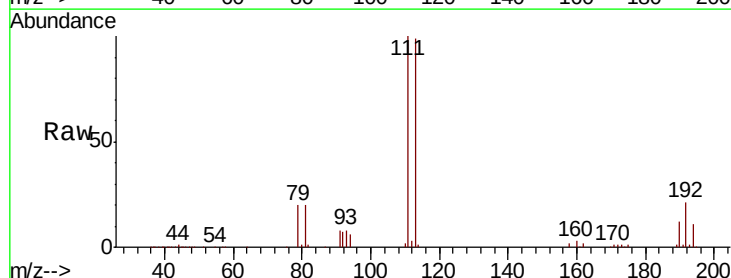


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

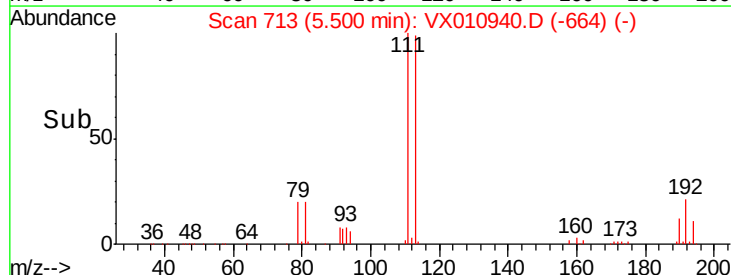
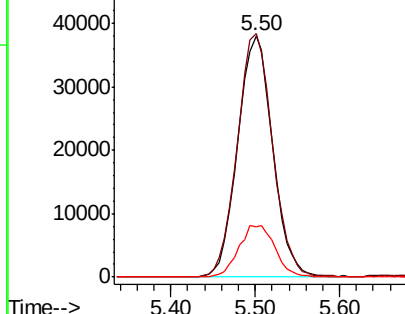


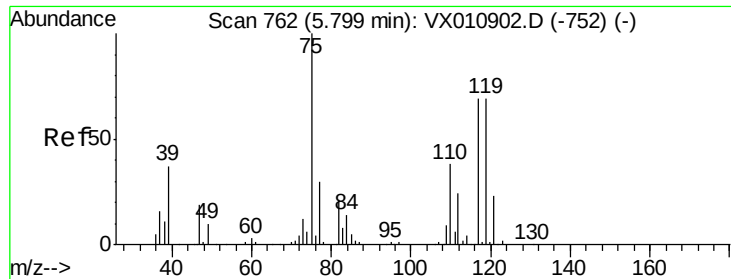
#35
Dibromofluoromethane
Concen: 49.351 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010940.D
Acq: 17 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.3	123.5
192	22.2	17.4	26.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.257 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW035-190716

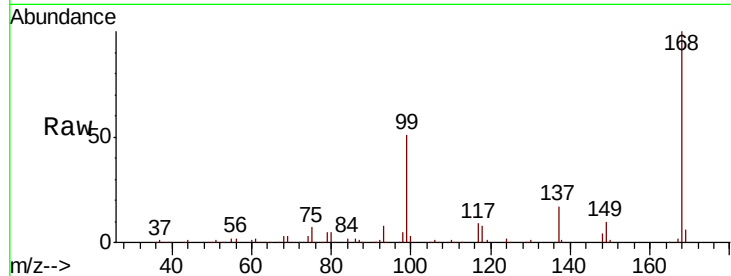
Tot Ion: 75 Resp: 14697

Ion Ratio Lower Upper

75 100

110 11.4 19.9 59.7#

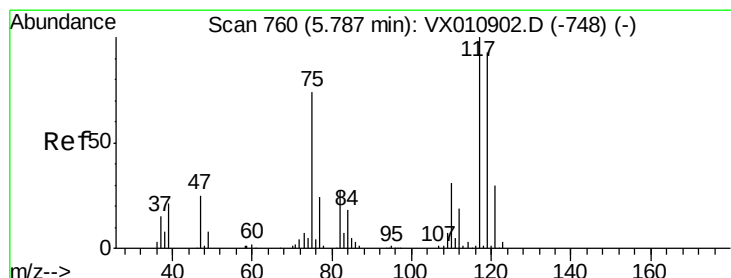
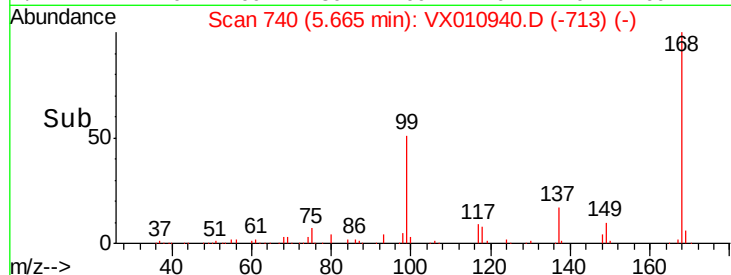
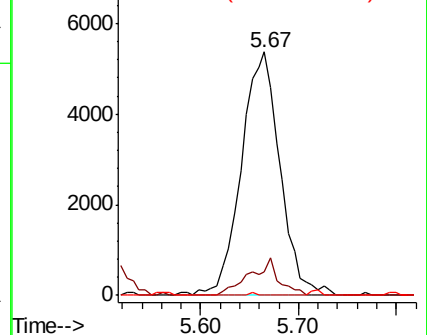
77 0.1 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX010940.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX010940.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX010940.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.897 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

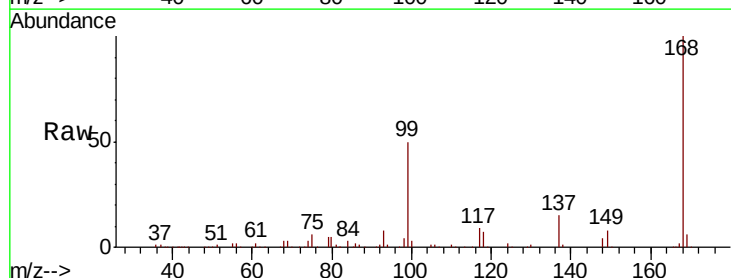
Tgt Ion: 117 Resp: 20093

Ion Ratio Lower Upper

117 100

119 5.3 74.2 111.2#

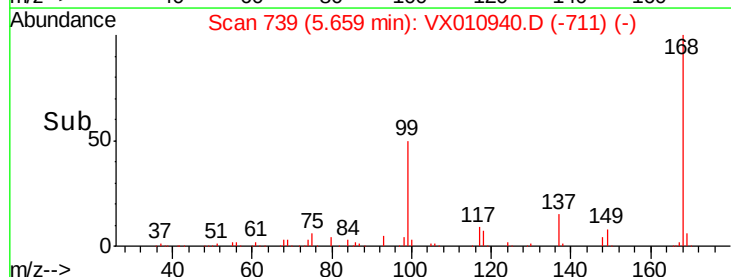
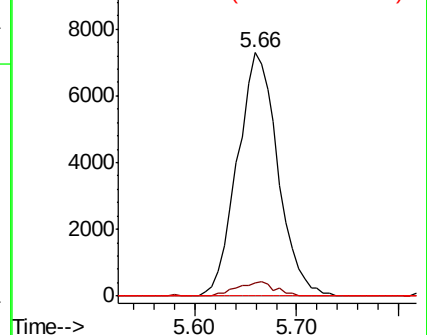
121 0.0 24.2 36.2#

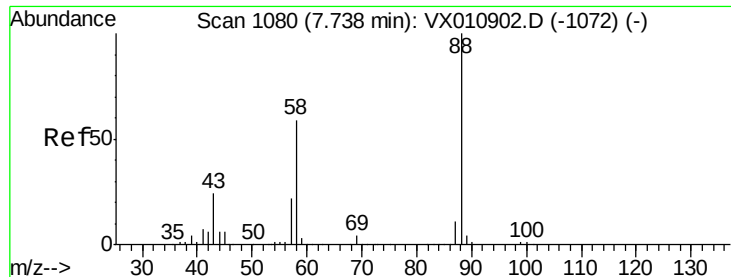


Abundance Ion 116.80 (116.50 to 117.50): VX010940.D (-711) (-)

Ion 118.80 (118.50 to 119.50): VX010940.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX010940.D (-711) (-)

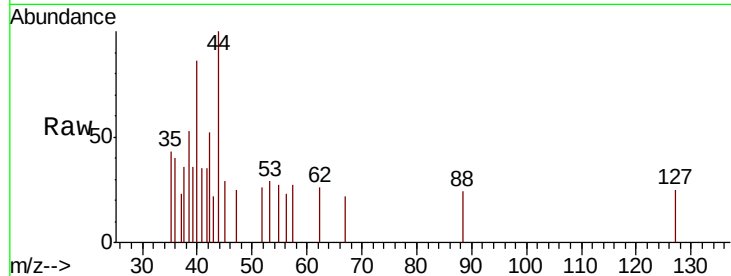




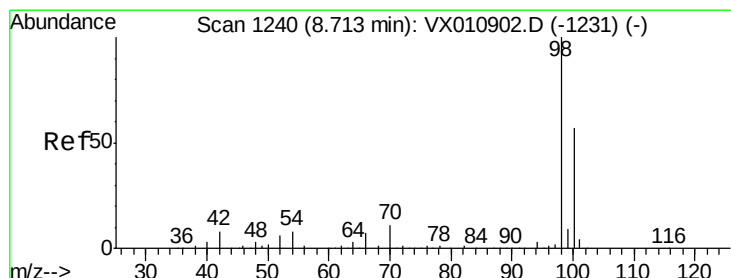
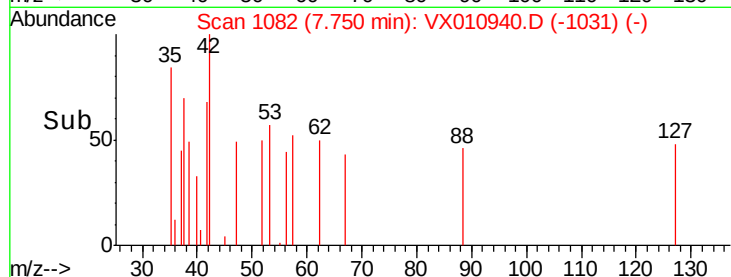
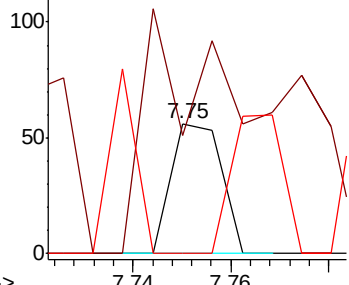
#49
 1,4-Dioxane
 Concen: 0.624 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VX010940.D
 Acq: 17 Jul 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW035-190716

Tot Ion: 88 Resp: 40
 Ion Ratio Lower Upper
 88 100
 43 455.0 22.9 34.3#
 58 72.5 49.8 74.8

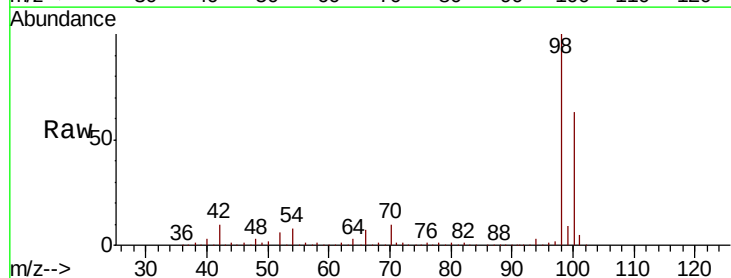


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

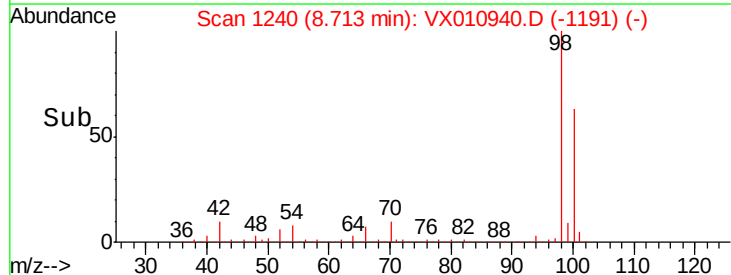
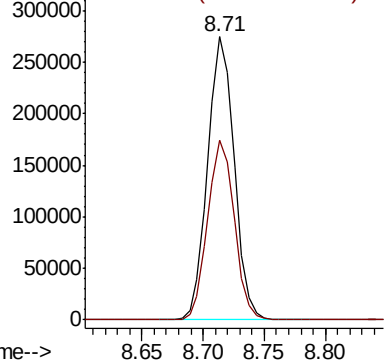


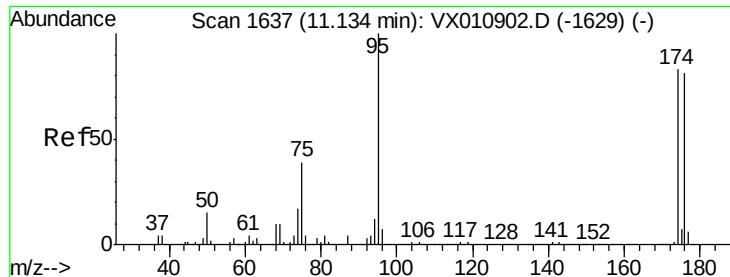
#50
 Toluene-d8
 Concen: 50.936 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX010940.D
 Acq: 17 Jul 2019 16:53

Tgt Ion: 98 Resp: 412699
 Ion Ratio Lower Upper
 98 100
 100 63.6 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.320 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW035-190716

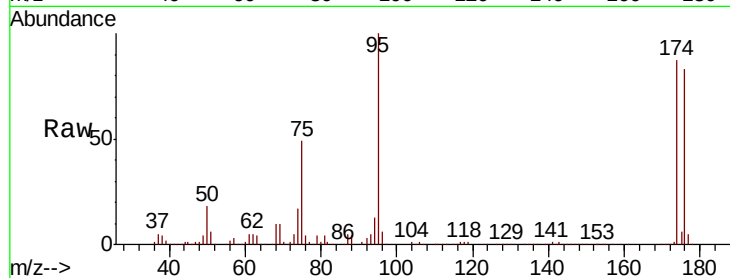
Tot Ion: 95 Resp: 143903

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.6

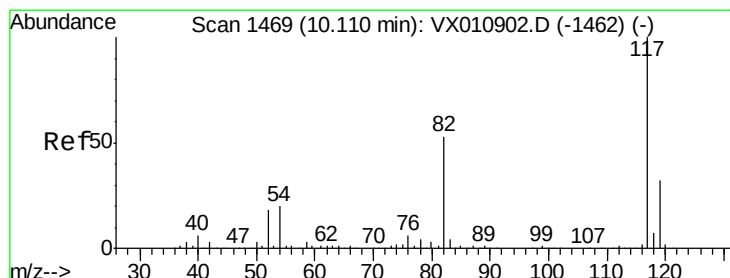
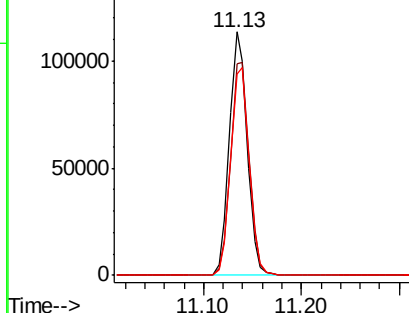
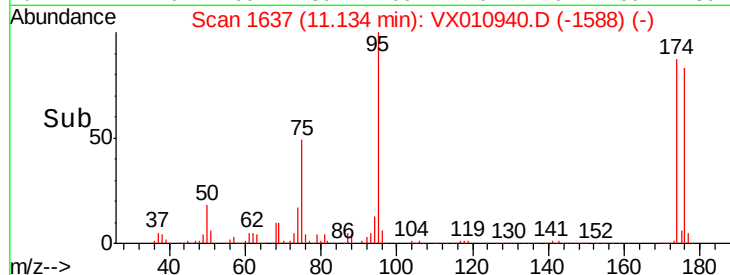
176 88.6 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX010940.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010940.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010940.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

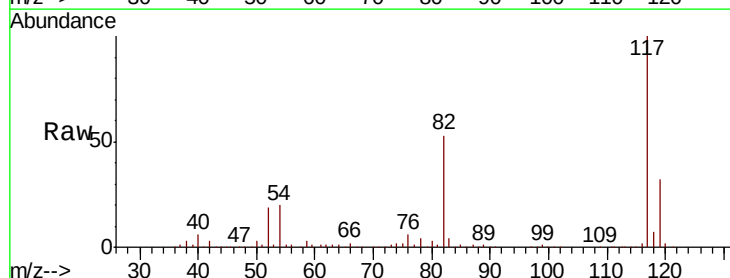
Tgt Ion: 117 Resp: 318180

Ion Ratio Lower Upper

117 100

82 53.4 42.6 63.8

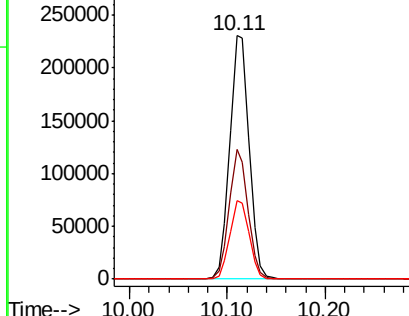
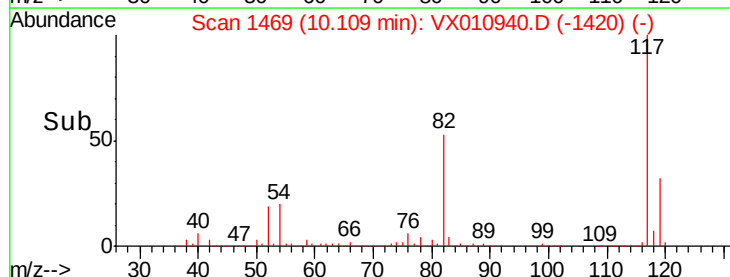
119 32.1 25.9 38.9

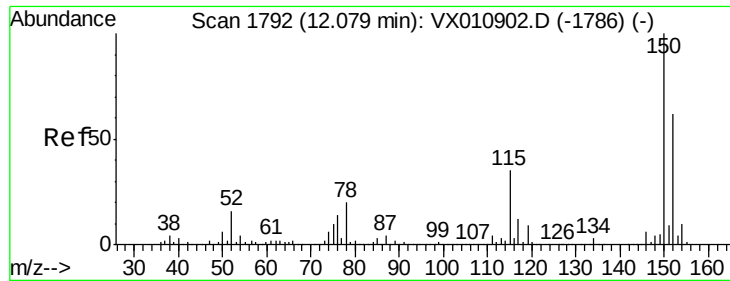


Abundance Ion 116.90 (116.60 to 117.60): VX010940.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010940.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010940.D (-1420) (-)



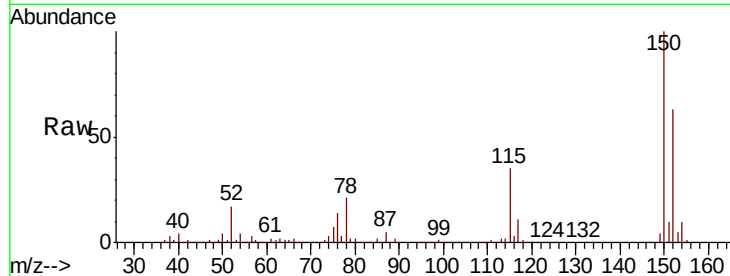


#72

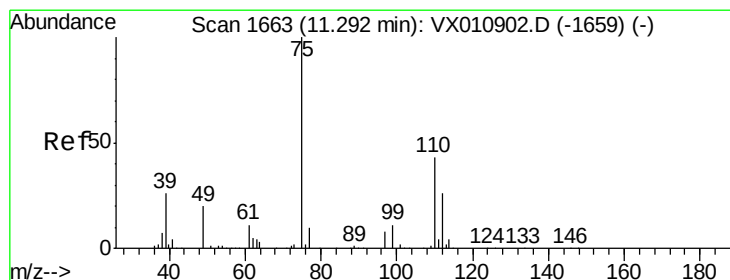
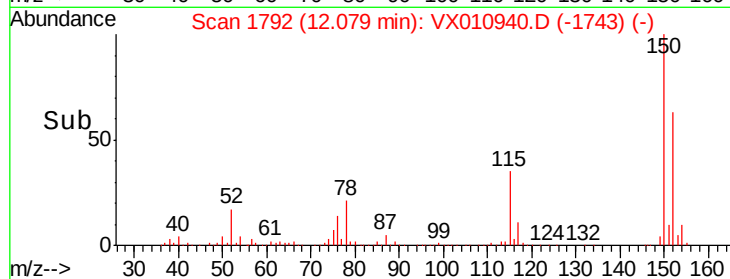
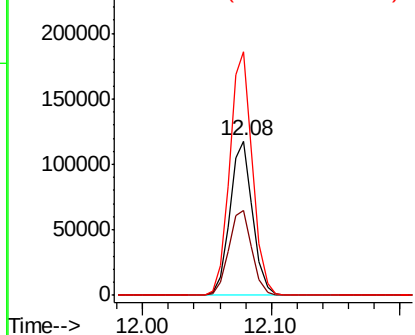
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010940.D
Acq: 17 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW035-190716

Tot Ion:152 Resp: 145306
Ion Ratio Lower Upper
152 100
115 56.5 39.7 119.1
150 157.9 0.0 345.6



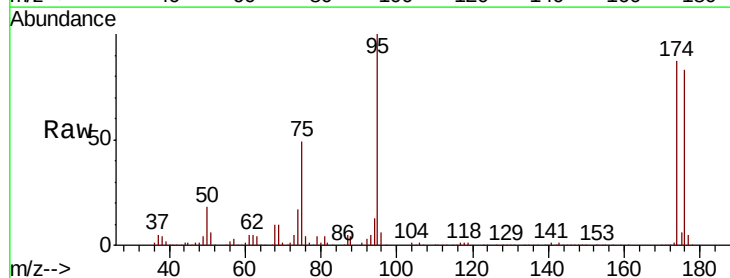
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



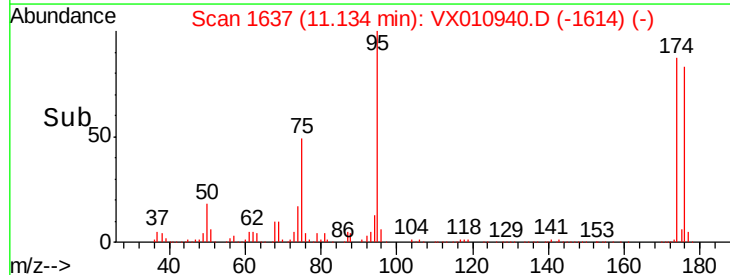
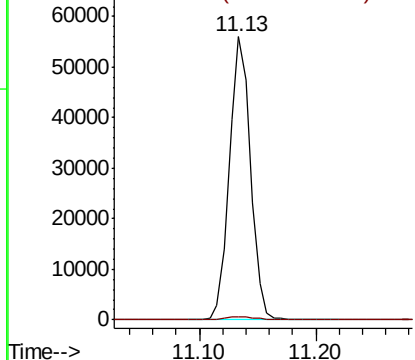
#76

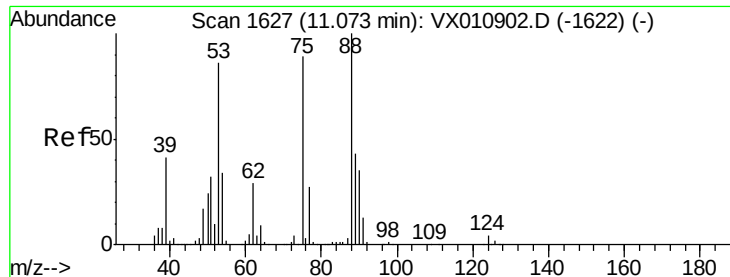
1,2,3-Trichloropropane
Concen: 27.048 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010940.D
Acq: 17 Jul 2019 16:53

Tgt Ion: 75 Resp: 70922
Ion Ratio Lower Upper
75 100
77 1.5 21.3 64.0#



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: 67.052 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010940.D

Acq: 17 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW035-190716

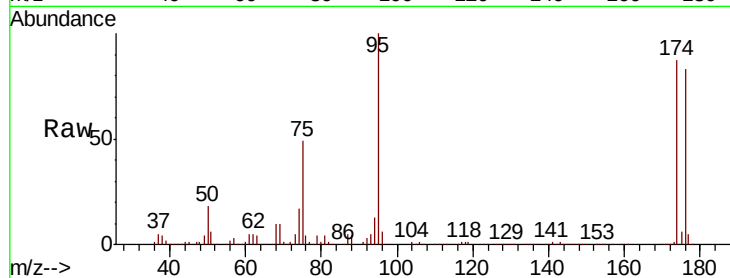
Tot Ion: 75 Resp: 70922

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

