

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010924.D
 Acq On : 17 Jul 2019 10:30
 Operator : JC/SP
 Sample : VX0717WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBL01

Quant Time: Jul 18 02:27:02 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	5.65	168	237741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	374218	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	342075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	154641	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	126068	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	5.49	113	117818	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	8.71	98	445475	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	155612	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

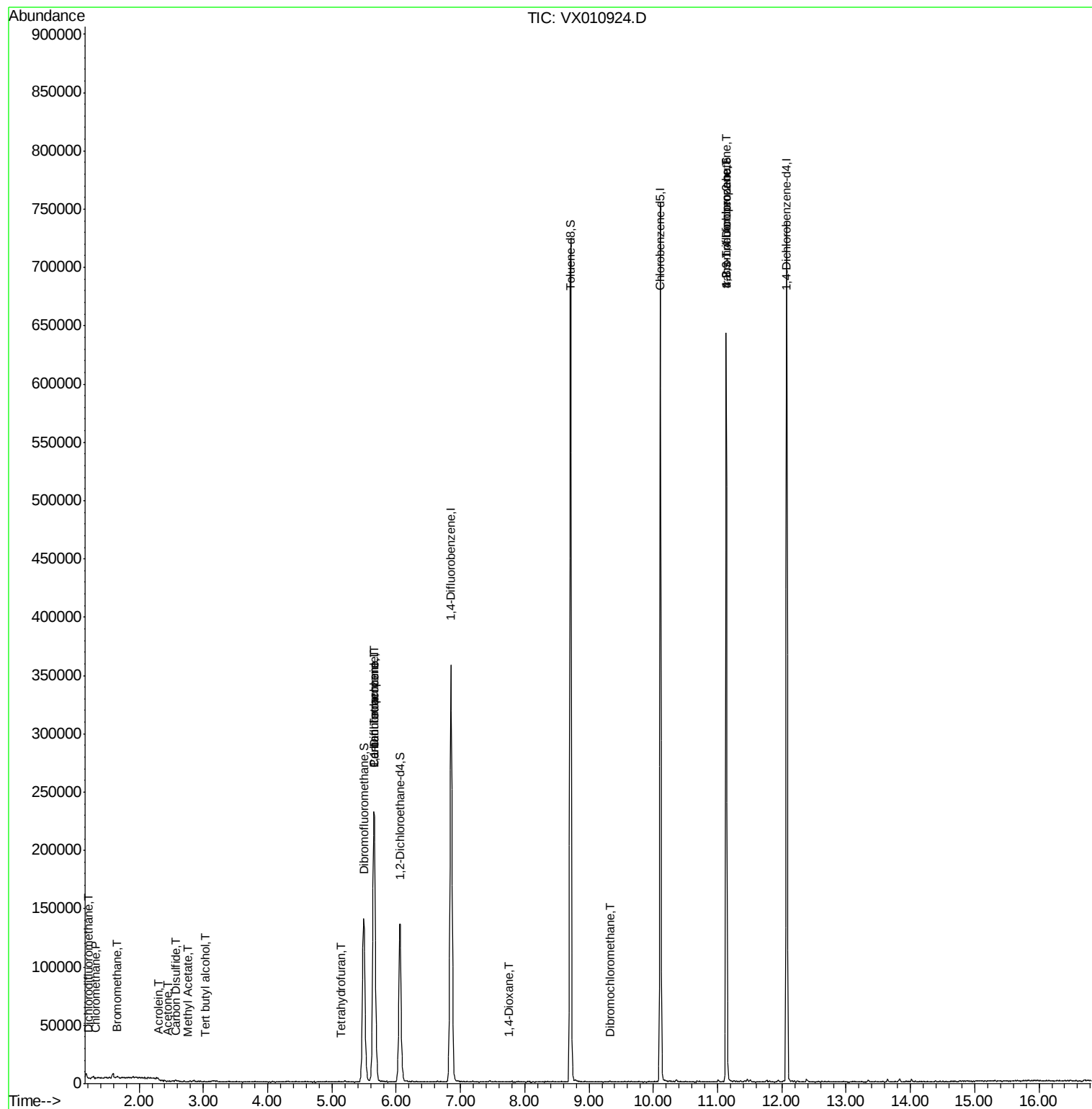
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	22	0.555	ug/l #	43
3) Chloromethane	1.32	50	571	0.261	ug/l #	63
5) Bromomethane	1.65	94	774	0.616	ug/l	85
11) Tert butyl alcohol	3.03	59	158	0.268	ug/l #	38
13) Acrolein	2.30	56	440	1.293	ug/l	96
16) Acetone	2.45	43	384	0.336	ug/l	92
17) Carbon Disulfide	2.57	76	1244	0.229	ug/l #	62
18) Methyl Acetate	2.77	43	624	0.240	ug/l #	63
29) Tetrahydrofuran	5.15	42	288	0.277	ug/l #	34
36) 1,1-Dichloropropene	5.65	75	15716	5.113	ug/l #	49
38) Carbon Tetrachloride	5.66	117	22114	6.904	ug/l #	18
49) 1,4-Dioxane	7.76	88	52	0.737	ug/l #	1
60) Dibromochloromethane	9.33	129	129	2.570	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	77019	27.600	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	77019	68.339	ug/l #	11

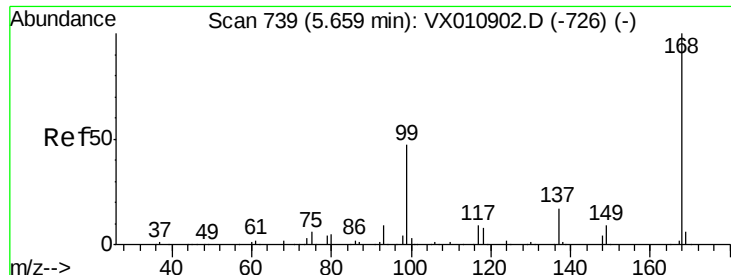
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010924.D

Acq: 17 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

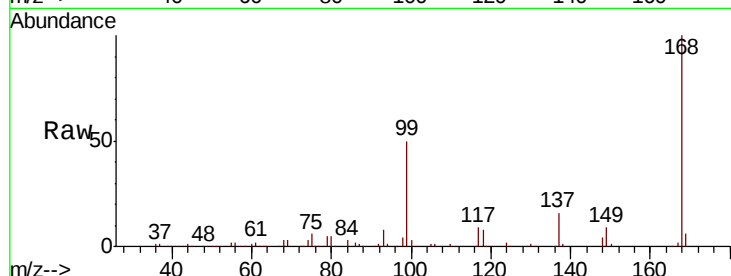
VX0717WBL01

Tot Ion:168 Resp: 237741

Ion Ratio Lower Upper

168 100

99 50.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

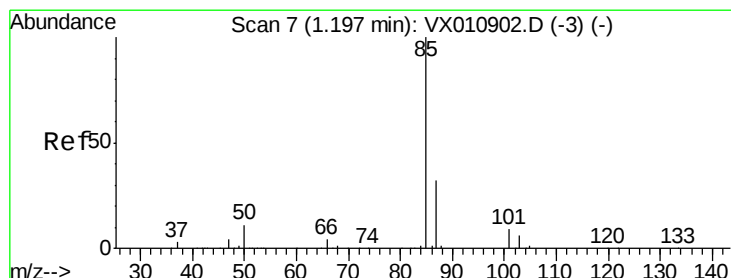
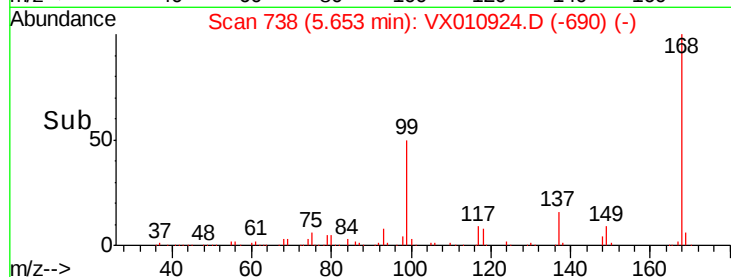
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.555 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX010924.D

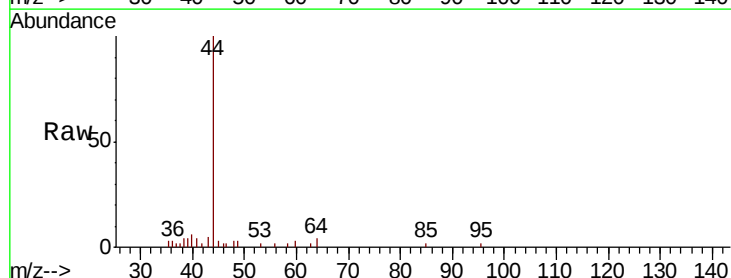
Acq: 17 Jul 2019 10:30

Tgt Ion: 85 Resp: 22

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

1.21

60

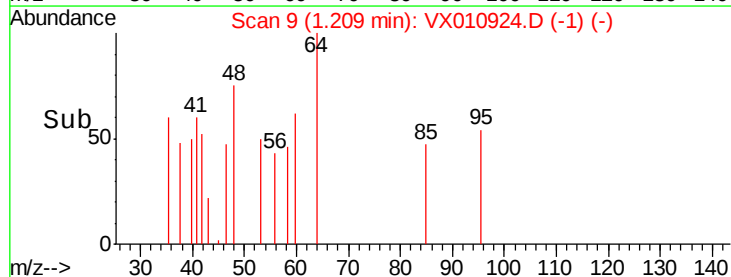
40

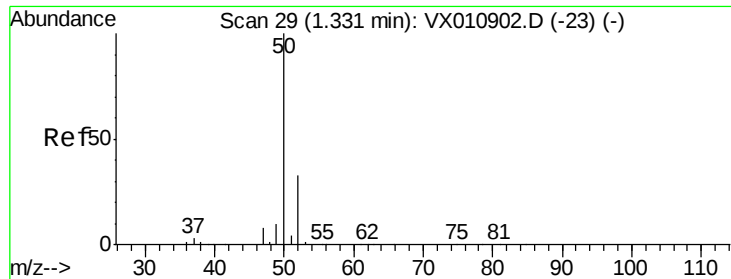
20

0

Time-->

1.19 1.20 1.21 1.22





#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010924.D

Acq: 17 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

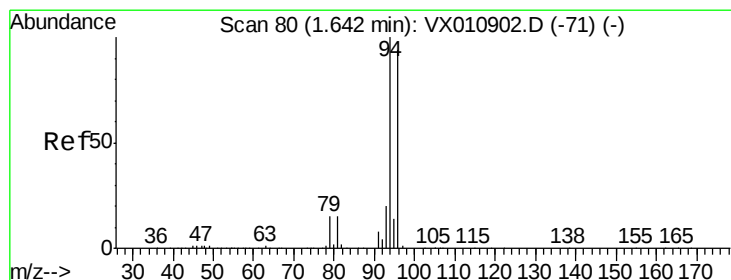
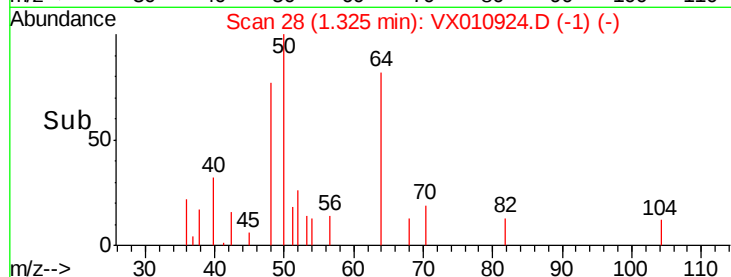
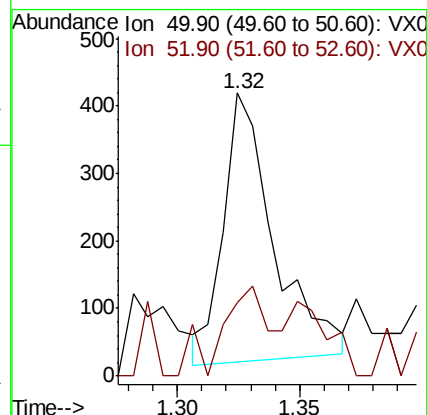
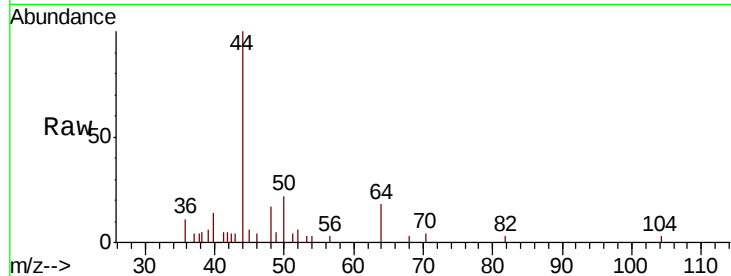
VX0717WBL01

Tot Ion: 50 Resp: 571

Ion Ratio Lower Upper

50 100

52 12.3 26.4 39.6#



#5

Bromomethane

Concen: 0.616 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX010924.D

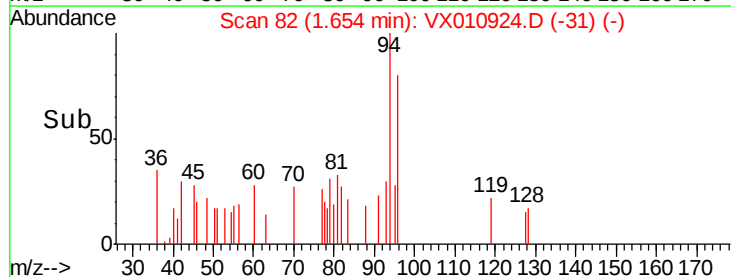
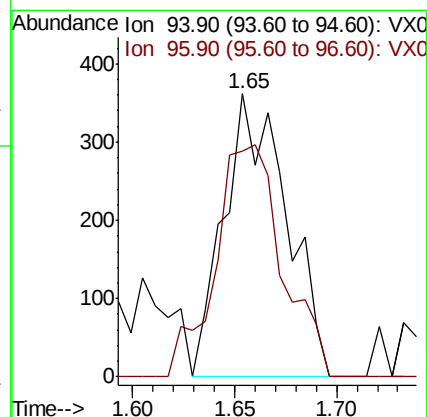
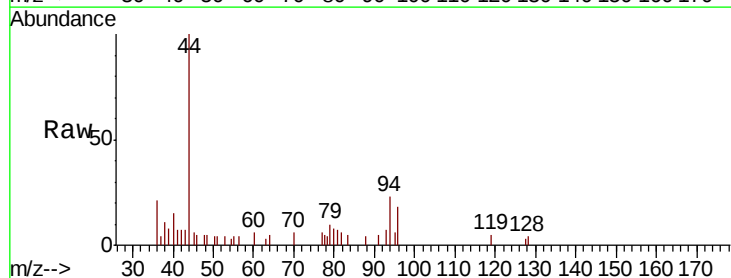
Acq: 17 Jul 2019 10:30

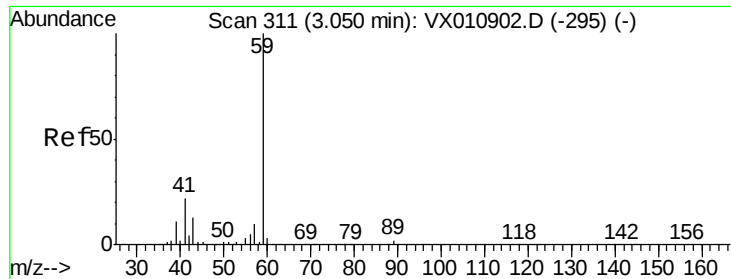
Tgt Ion: 94 Resp: 774

Ion Ratio Lower Upper

94 100

96 79.6 75.6 113.4



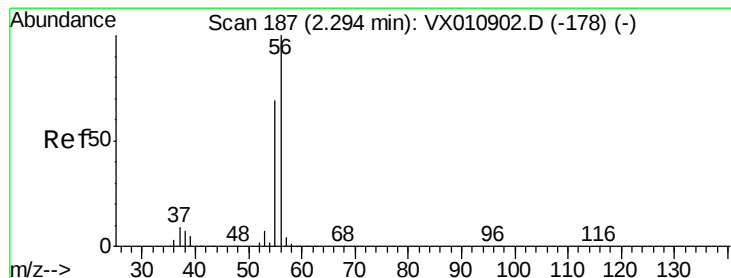
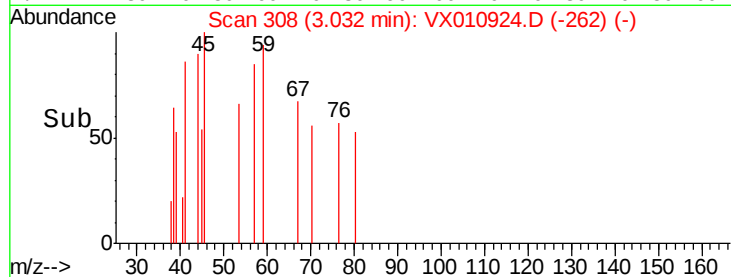
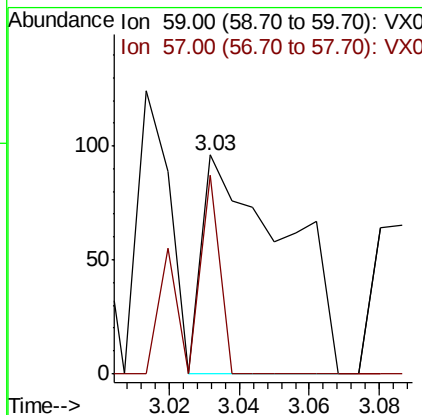
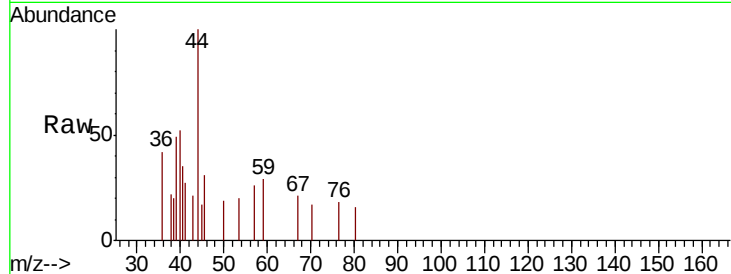


#11

Tert butyl alcohol
 Concen: 0.268 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VX010924.D
 Acq: 17 Jul 2019 10:30

Instrument :
 MSVOA_X
 ClientSampled :
 VX0717WBL01

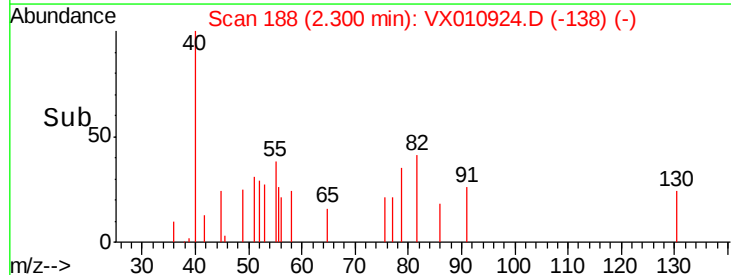
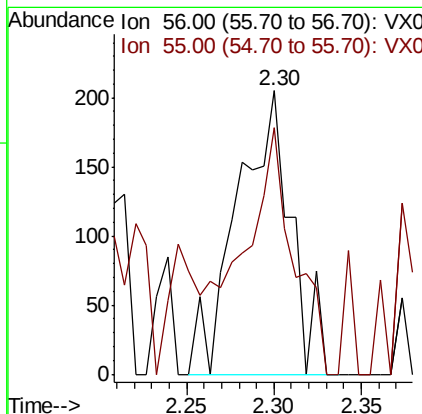
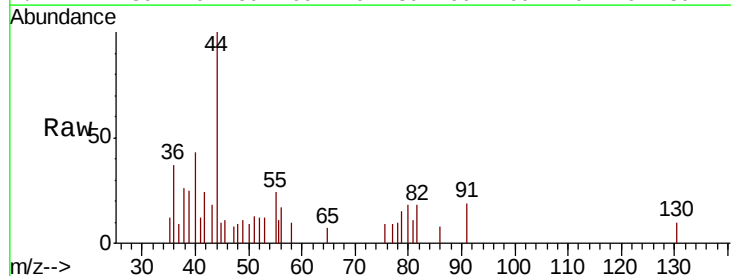
Tot Ion: 59 Resp: 158
 Ion Ratio Lower Upper
 59 100
 57 32.9 7.9 11.9#

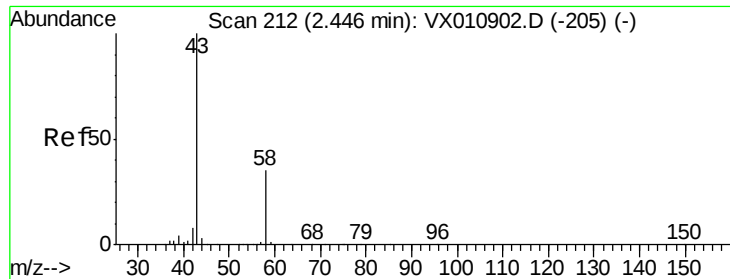


#13

Acrolein
 Concen: 1.293 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX010924.D
 Acq: 17 Jul 2019 10:30

Tgt Ion: 56 Resp: 440
 Ion Ratio Lower Upper
 56 100
 55 73.2 55.9 83.9





#16

Acetone

Concen: 0.336 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010924.D

Acq: 17 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

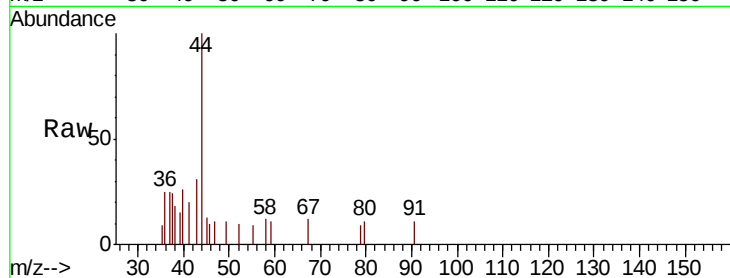
VX0717WBL01

Tot Ion: 43 Resp: 384

Ion Ratio Lower Upper

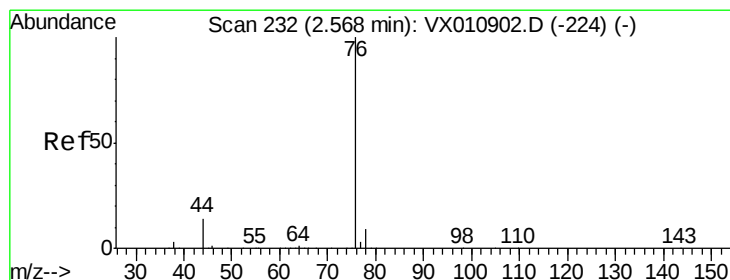
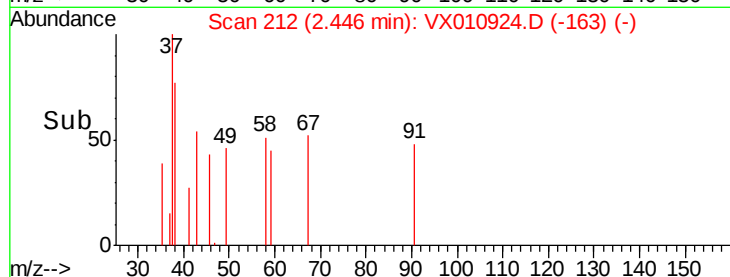
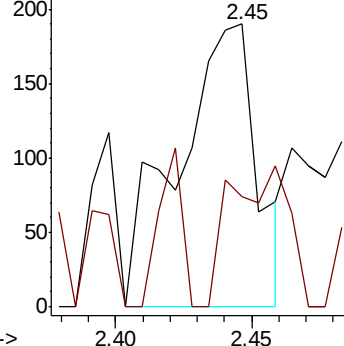
43 100

58 38.9 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.229 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010924.D

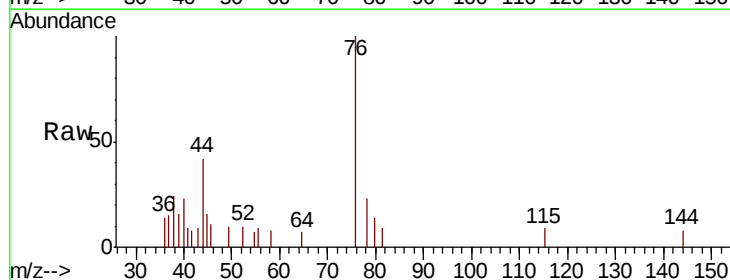
Acq: 17 Jul 2019 10:30

Tgt Ion: 76 Resp: 1244

Ion Ratio Lower Upper

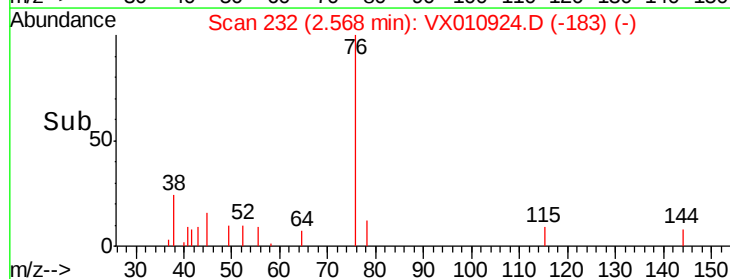
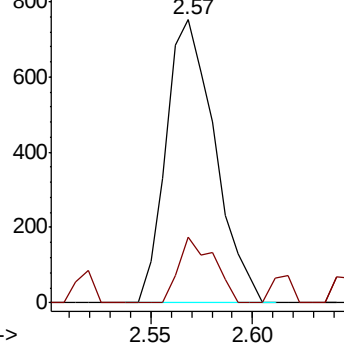
76 100

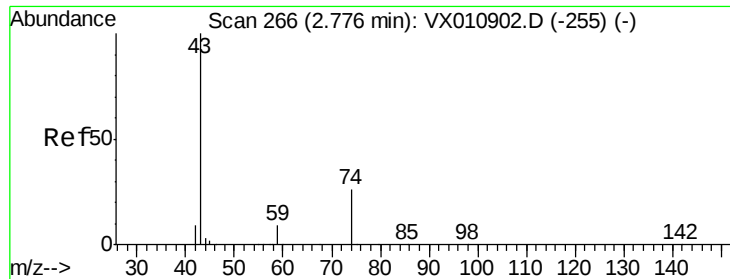
78 23.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

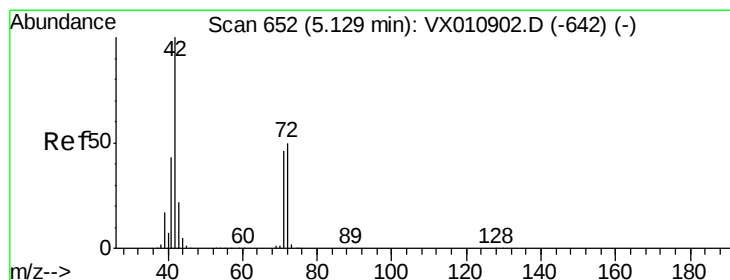
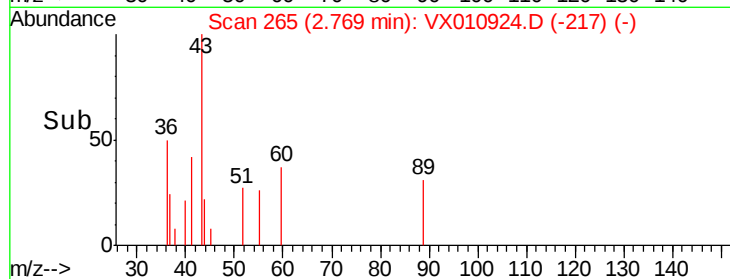
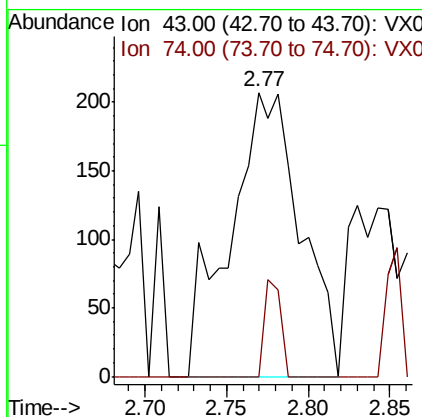
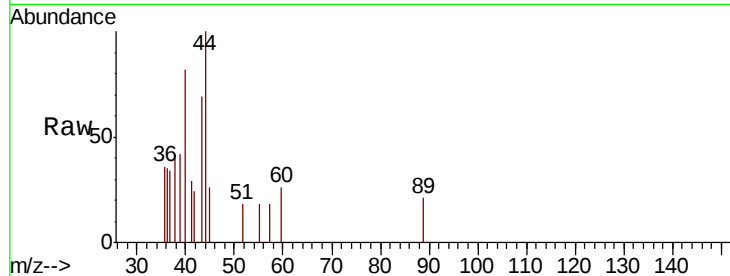




#18
Methyl Acetate
Concen: 0.240 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010924.D
Acq: 17 Jul 2019 10:30

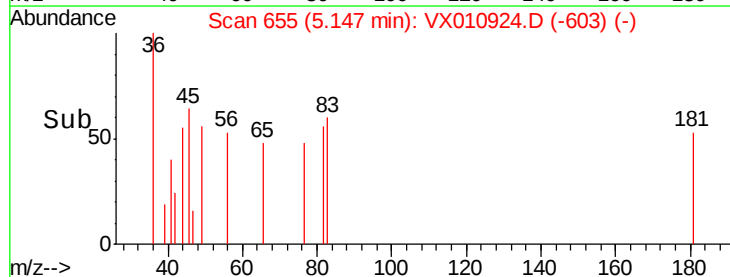
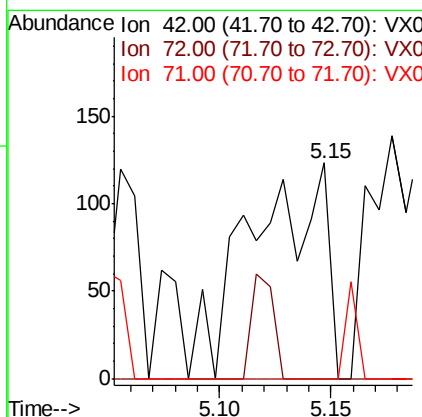
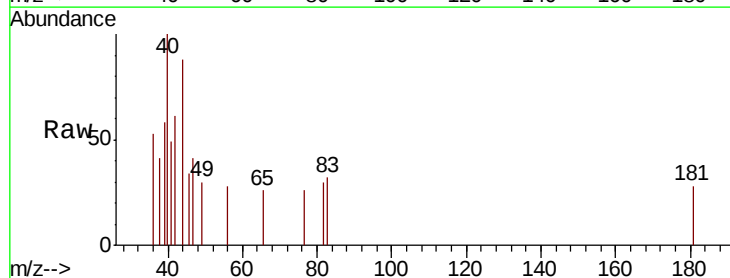
Instrument :
MSVOA_X
ClientSampleId :
VX0717WBL01

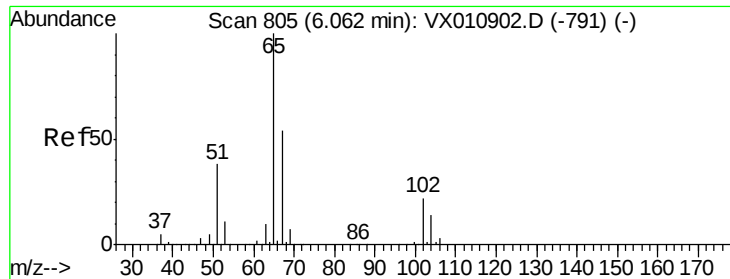
Tot Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
74 7.9 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.277 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX010924.D
Acq: 17 Jul 2019 10:30

Tgt Ion: 42 Resp: 288
Ion Ratio Lower Upper
42 100
72 0.0 39.8 59.8#
71 6.9 37.0 55.4#

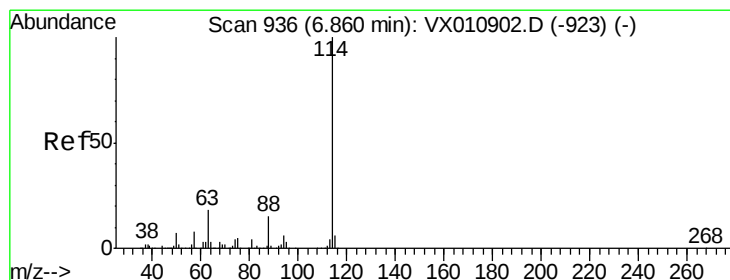
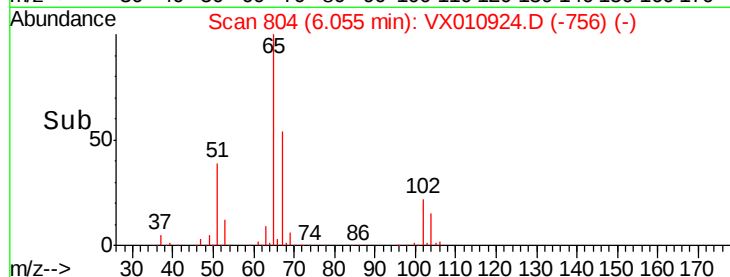
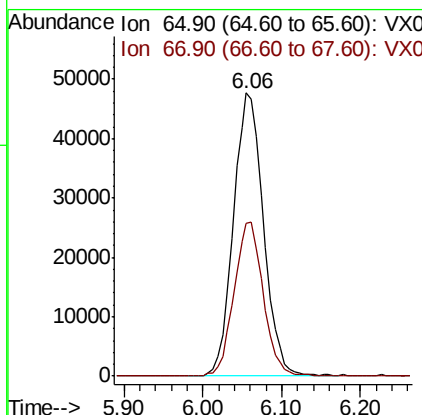
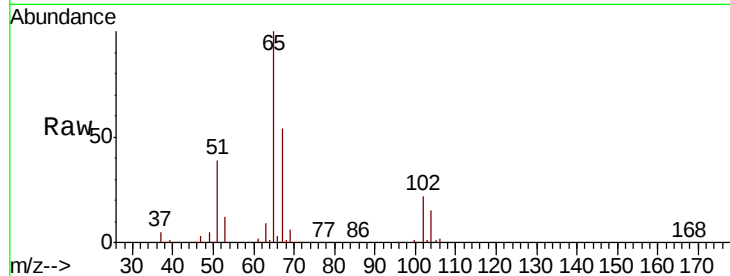




#33
 1,2-Dichloroethane-d4
 Concen: 49.845 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010924.D
 Acq: 17 Jul 2019 10:30

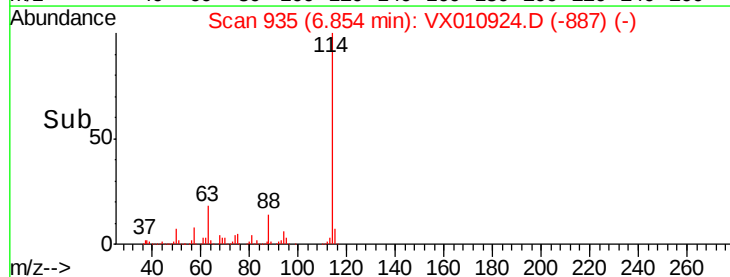
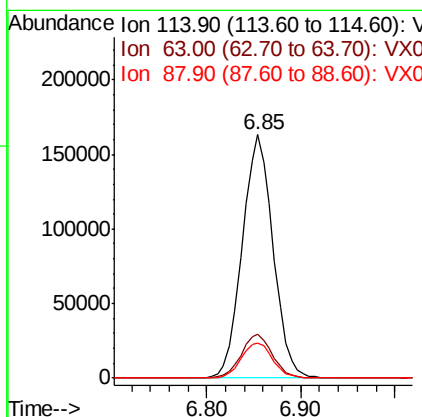
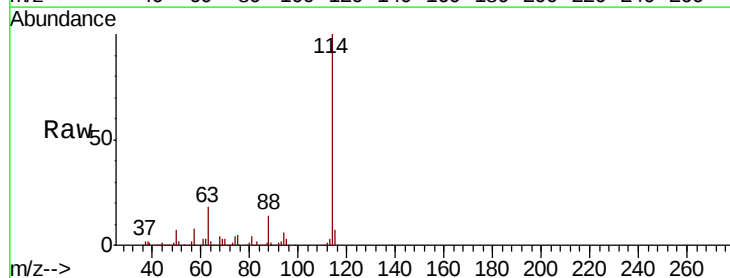
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 VX0717WBL01

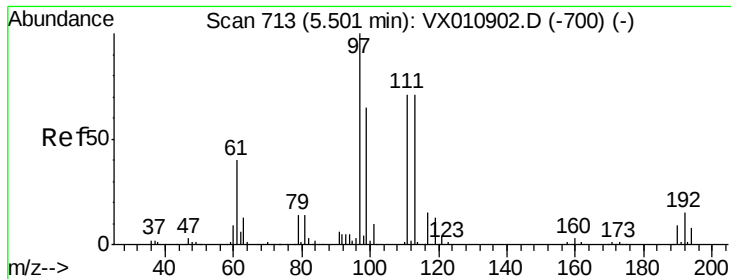
Tot Ion: 65 Resp: 126068
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010924.D
 Acq: 17 Jul 2019 10:30

Tgt Ion: 114 Resp: 374218
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.6
 88 14.2 0.0 29.8

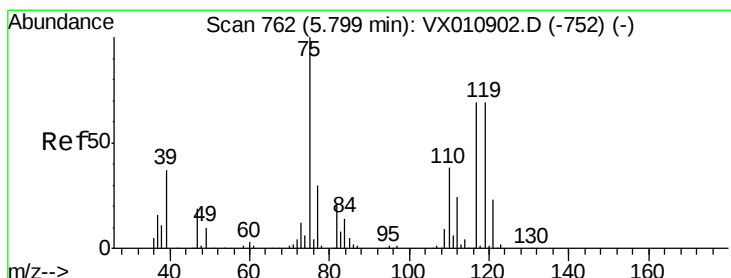
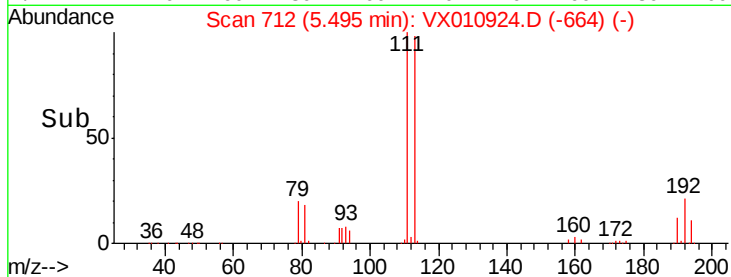
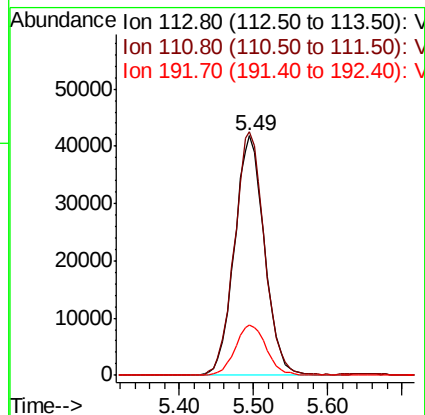
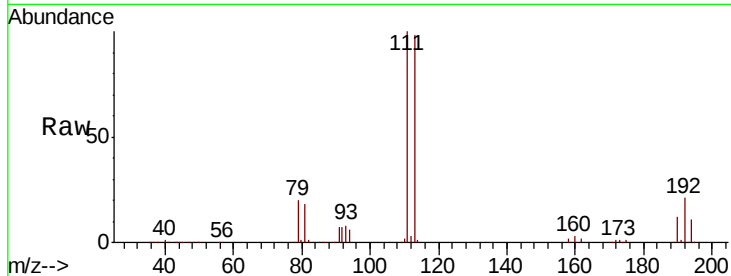




#35
 Dibromofluoromethane
 Concen: 49.603 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010924.D
 Acq: 17 Jul 2019 10:30

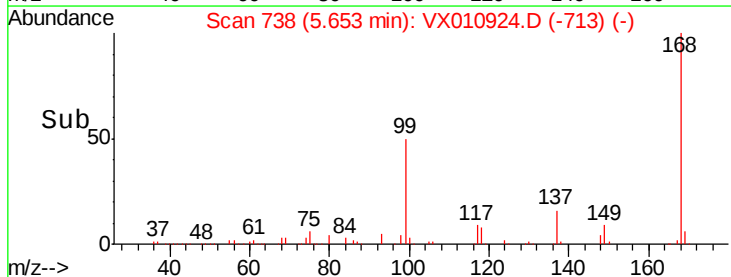
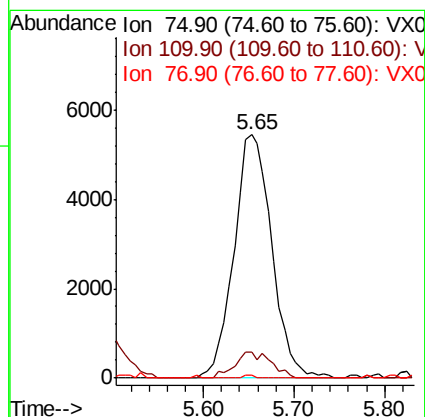
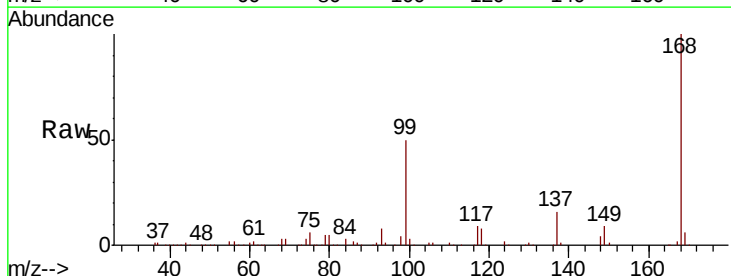
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0717WBL01

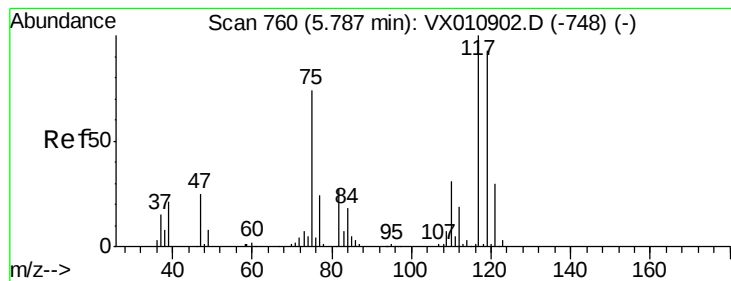
Tot Ion:113 Resp: 117818
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.3 123.5
 192 21.8 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010924.D
 Acq: 17 Jul 2019 10:30

Tgt Ion: 75 Resp: 15716
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.9 59.7#
 77 0.3 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.904 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010924.D

Acq: 17 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

VX0717WBL01

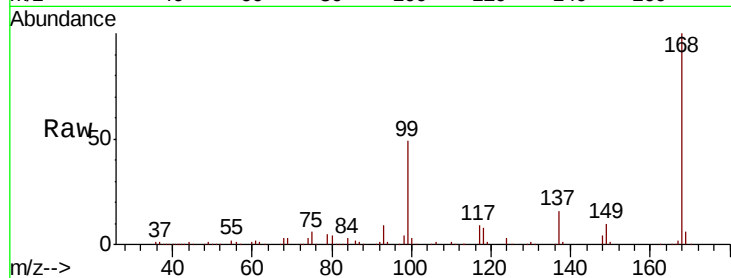
Tot Ion:117 Resp: 22114

Ion Ratio Lower Upper

117 100

119 5.4 74.2 111.2#

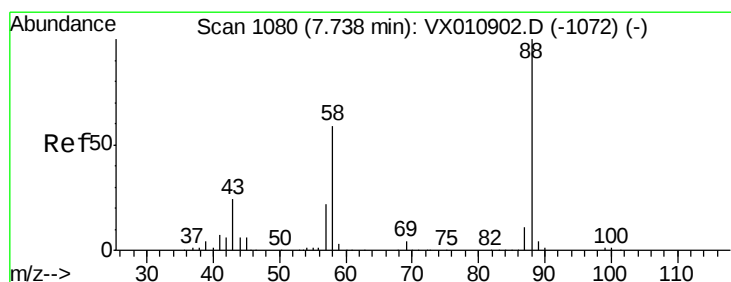
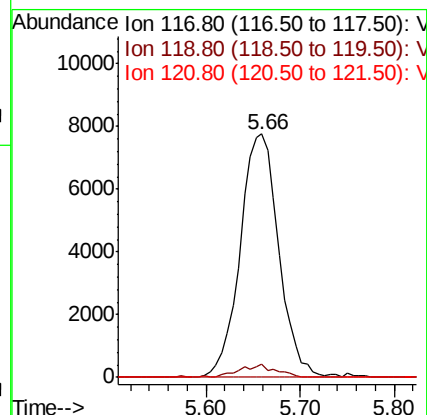
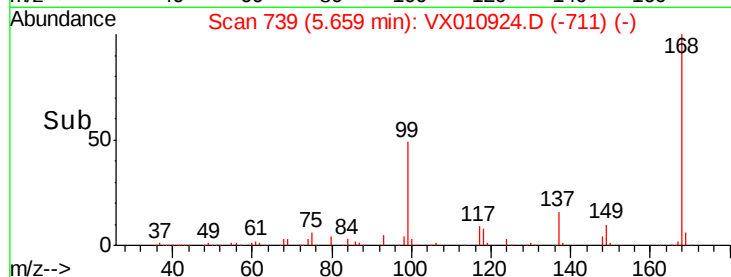
121 0.0 24.2 36.2#



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: 0.737 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010924.D

Acq: 17 Jul 2019 10:30

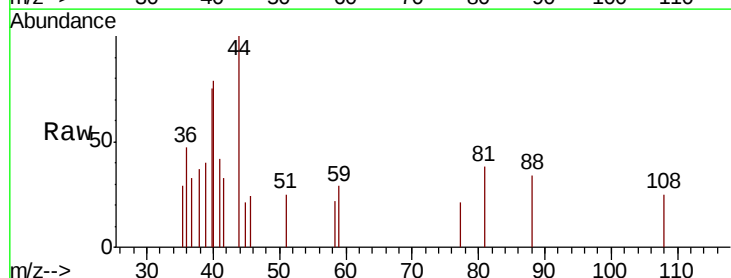
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 209.6 22.9 34.3#

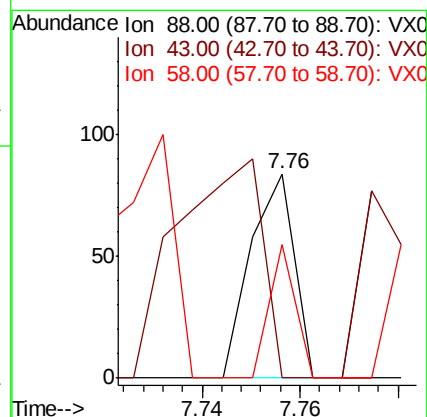
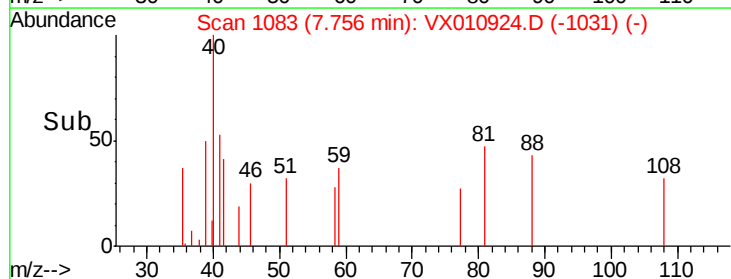
58 38.5 49.8 74.8#

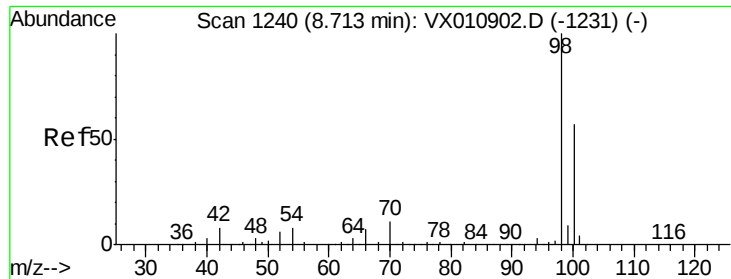


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.005 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010924.D

Acq: 17 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

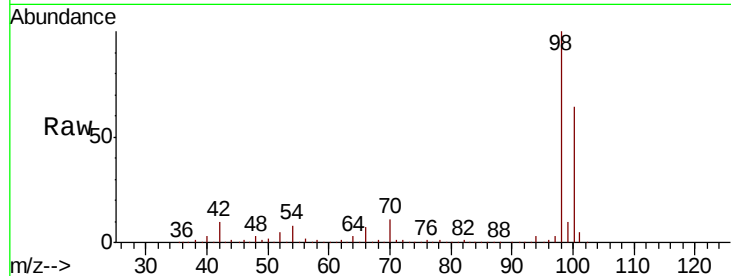
VX0717WBL01

Tot Ion: 98 Resp: 445475

Ion Ratio Lower Upper

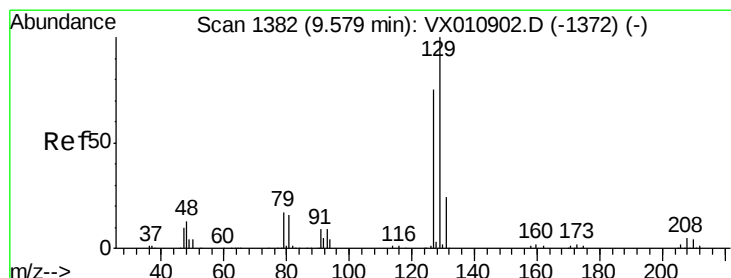
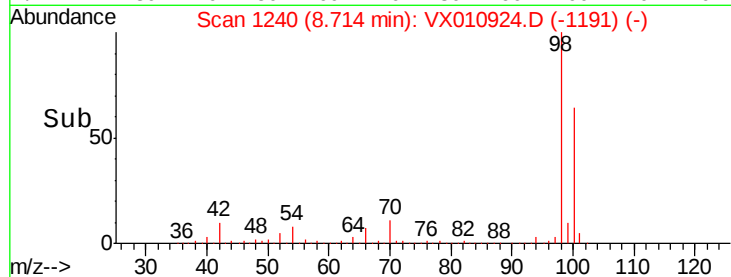
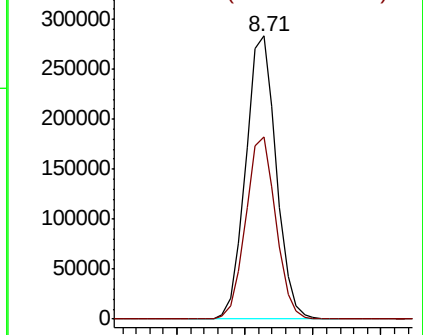
98 100

100 63.7 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 2.570 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX010924.D

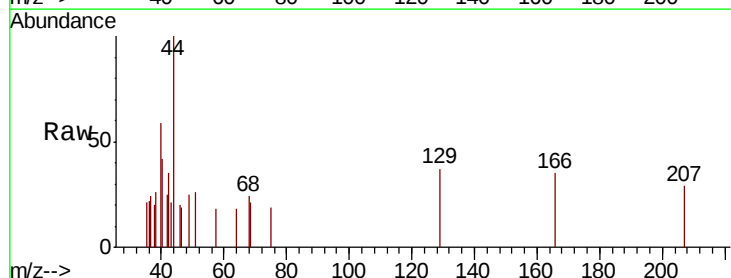
Acq: 17 Jul 2019 10:30

Tgt Ion:129 Resp: 129

Ion Ratio Lower Upper

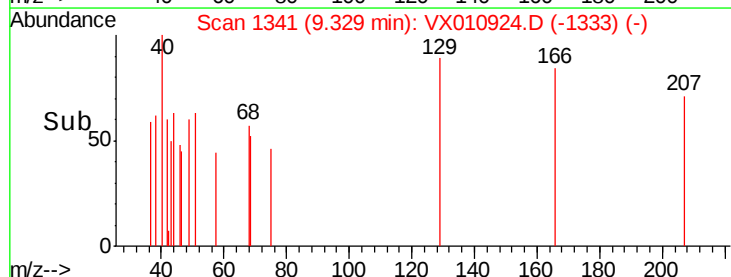
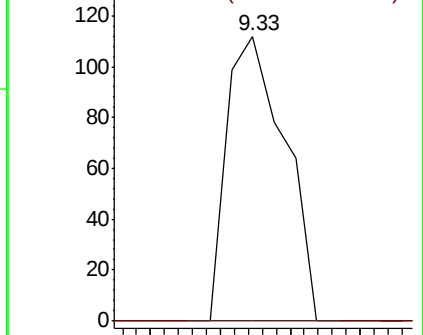
129 100

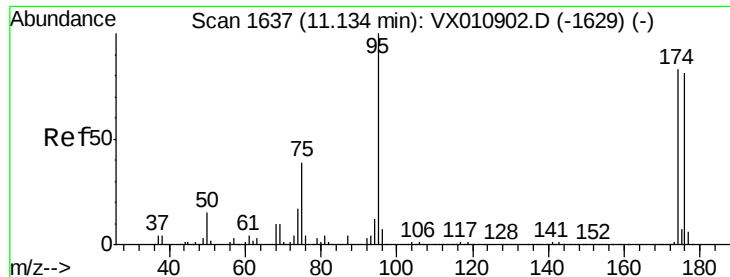
127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 47.522 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010924.D

Acq: 17 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBL01

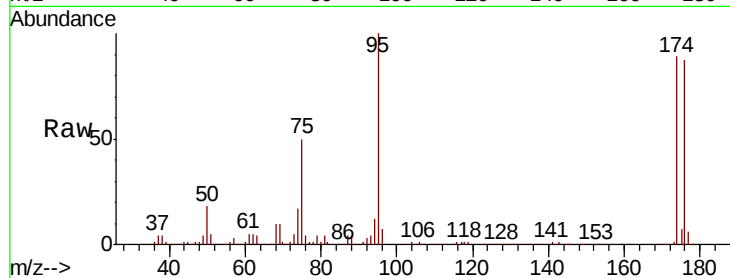
Tot Ion: 95 Resp: 155612

Ion Ratio Lower Upper

95 100

174 91.4 0.0 180.6

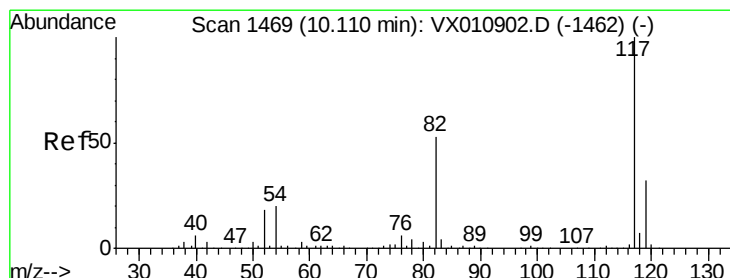
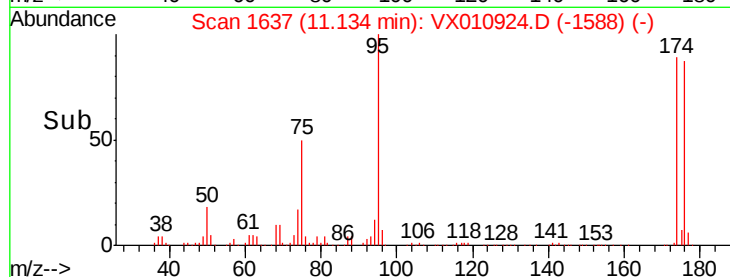
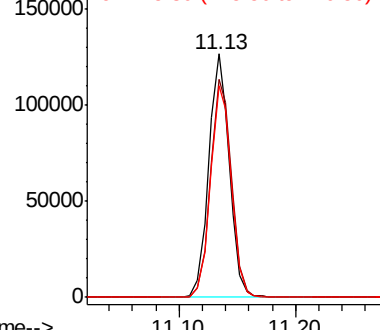
176 87.9 0.0 173.8



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: VX010924.D

Acq: 17 Jul 2019 10:30

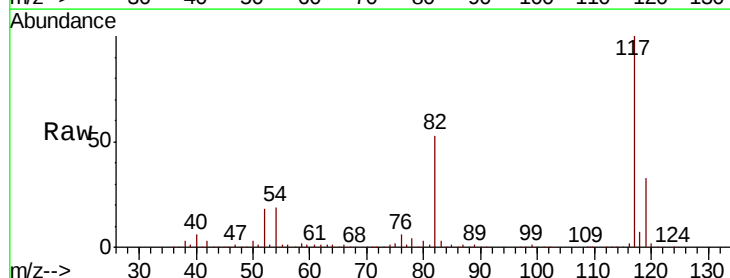
Tgt Ion: 117 Resp: 342075

Ion Ratio Lower Upper

117 100

82 52.8 42.6 63.8

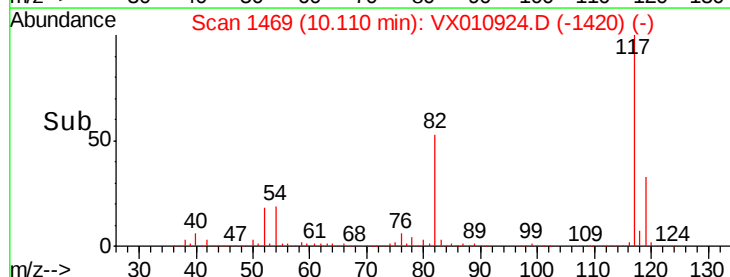
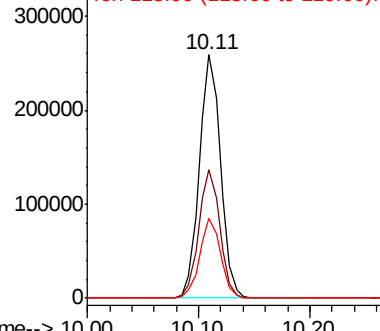
119 32.7 25.9 38.9

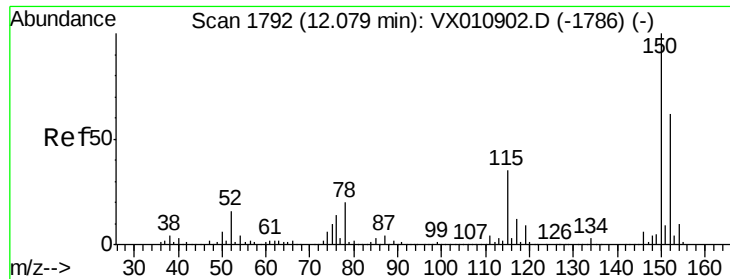


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



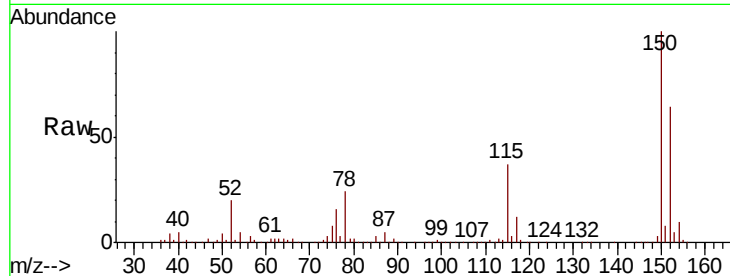


#72

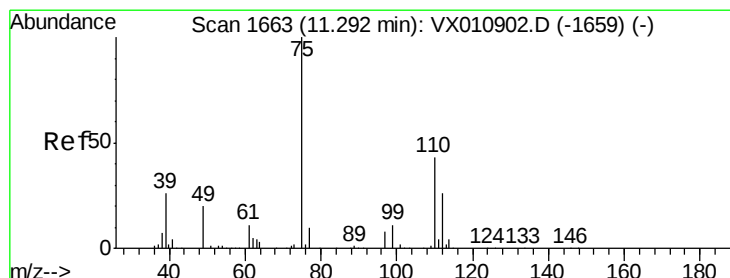
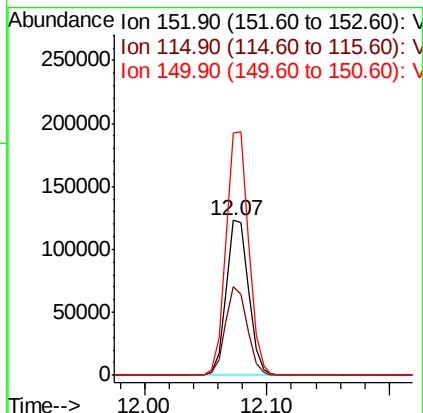
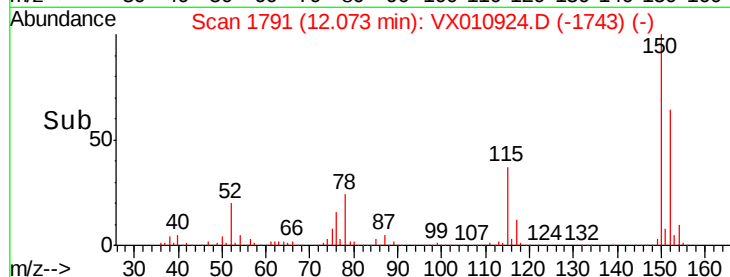
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX010924.D
Acq: 17 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0717WBL01

Tot Ion:152 Resp: 154641
Ion Ratio Lower Upper
152 100
115 56.3 39.7 119.1
150 159.1 0.0 345.6



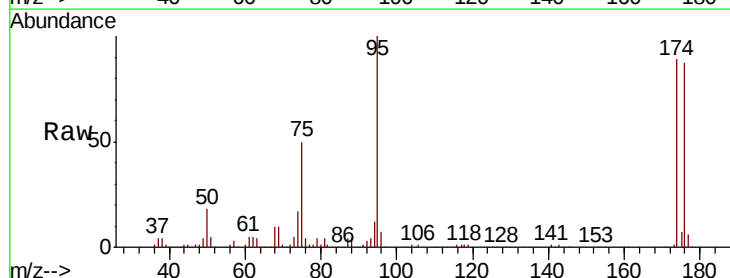
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



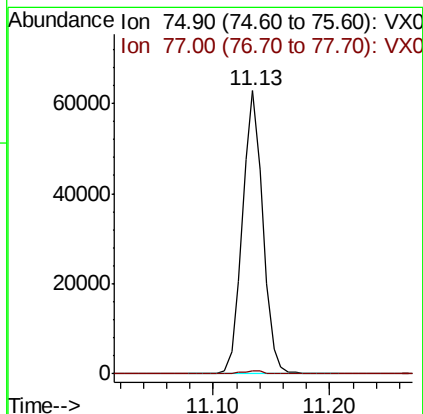
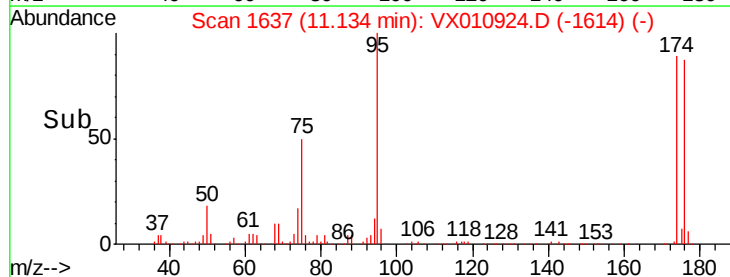
#76

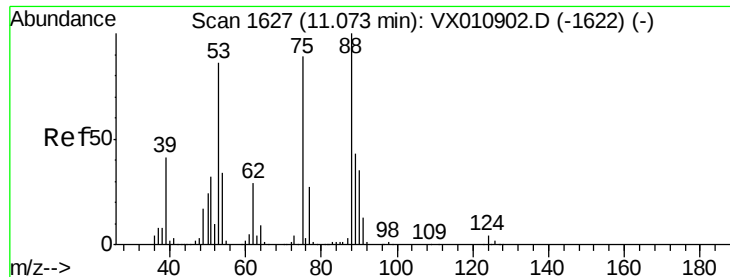
1,2,3-Trichloropropane
Concen: 27.600 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010924.D
Acq: 17 Jul 2019 10:30

Tgt Ion: 75 Resp: 77019
Ion Ratio Lower Upper
75 100
77 1.2 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: 68.339 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010924.D

Acq: 17 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0717WBL01

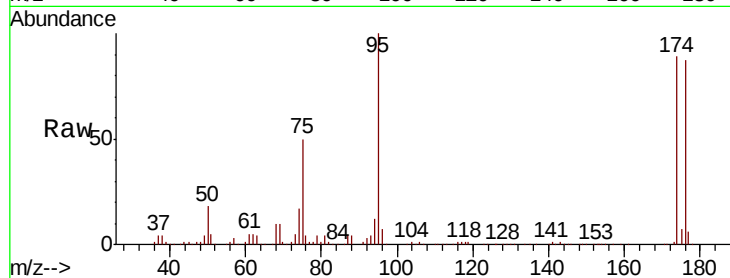
Tot Ion: 75 Resp: 77019

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

