

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010935.D
 Acq On : 17 Jul 2019 14:56
 Operator : JC/SP
 Sample : K3855-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-TB06-190716

Quant Time: Jul 18 02:30:12 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	214113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145903	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	112623	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
35) Dibromofluoromethane	5.50	113	105417	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	8.71	98	405624	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.13	95	140293	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

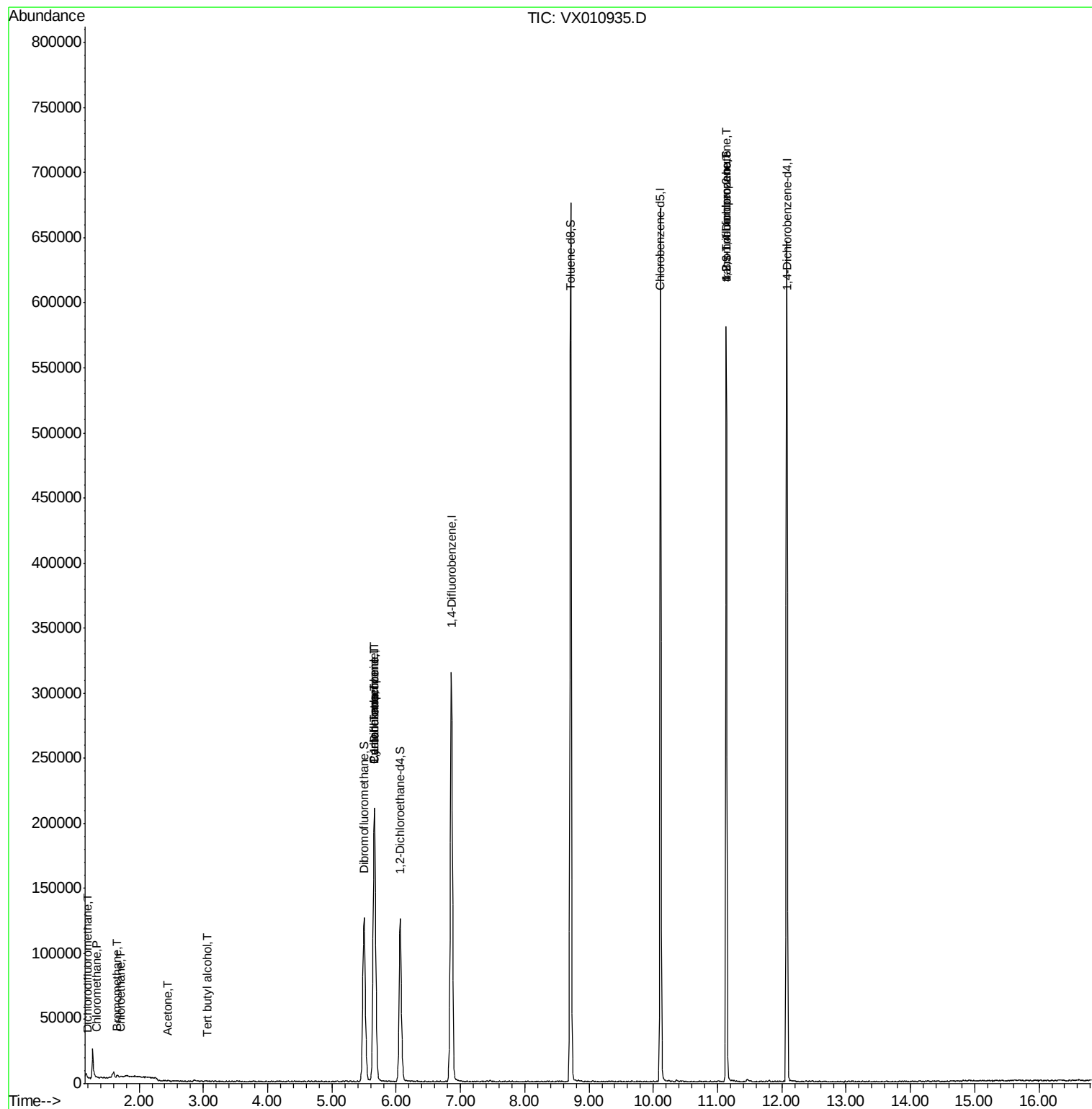
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	52	0.569	ug/l #	43
3) Chloromethane	1.33	50	614	0.312	ug/l	91
5) Bromomethane	1.65	94	477	0.421	ug/l #	77
6) Chloroethane	1.71	64	489	0.383	ug/l #	83
11) Tert butyl alcohol	3.06	59	146	0.275	ug/l #	42
16) Acetone	2.45	43	266	0.259	ug/l	97
31) Cyclohexane	5.67	56	3868	1.251	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14349	5.159	ug/l #	44
38) Carbon Tetrachloride	5.66	117	19028	6.565	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	69447	26.377	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	69447	65.487	ug/l #	11

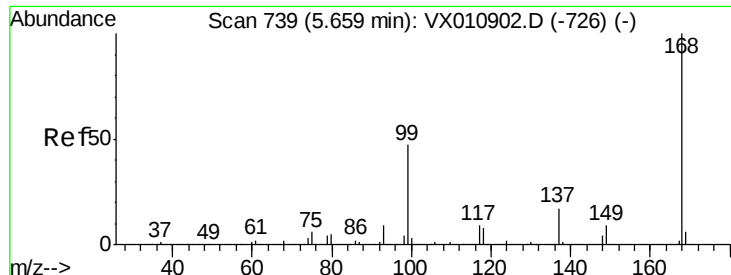
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071719\
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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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010935.D

Acq: 17 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

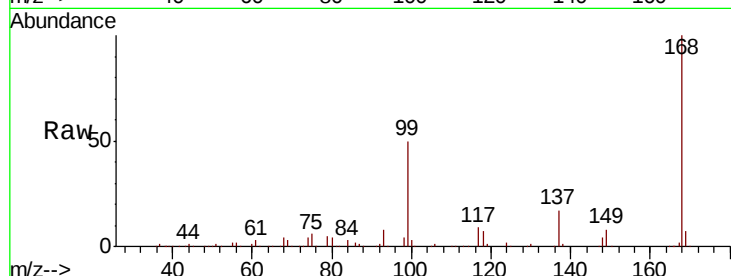
Z5-TB06-190716

Tot Ion:168 Resp: 214113

Ion Ratio Lower Upper

168 100

99 49.5 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

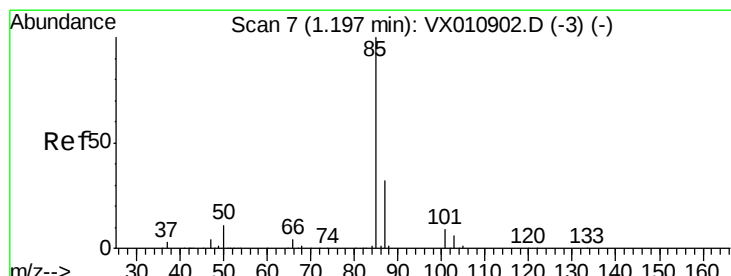
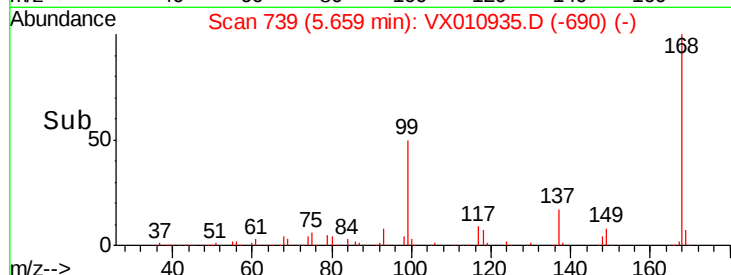
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.569 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010935.D

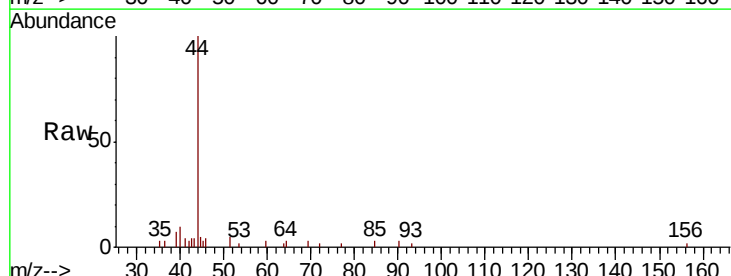
Acq: 17 Jul 2019 14:56

Tgt Ion: 85 Resp: 52

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

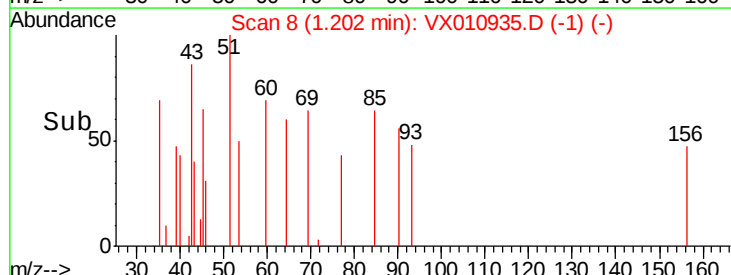
60

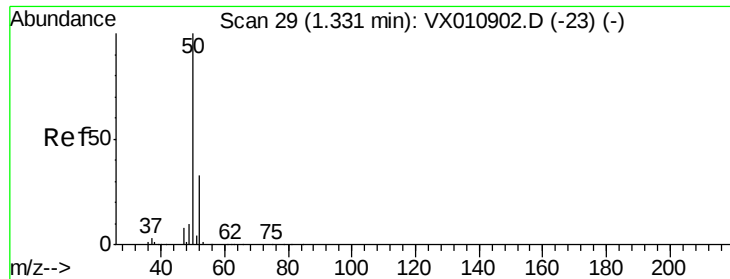
40

20

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.312 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010935.D

Acq: 17 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

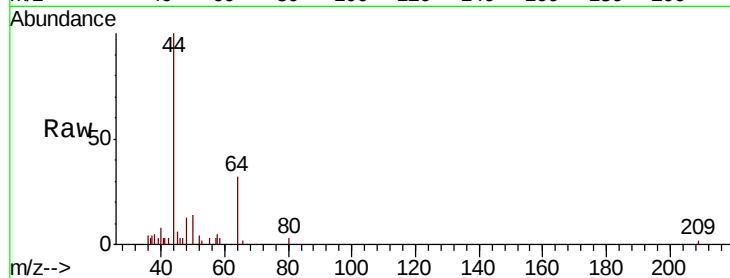
Z5-TB06-190716

Tot Ion: 50 Resp: 614

Ion Ratio Lower Upper

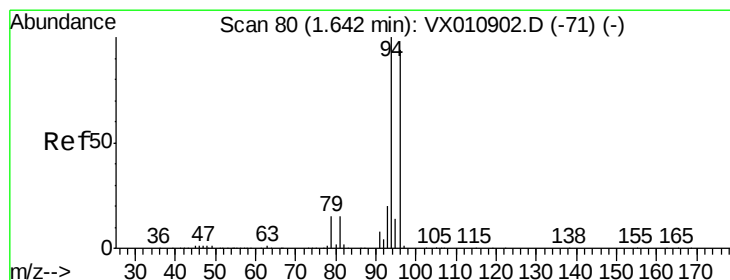
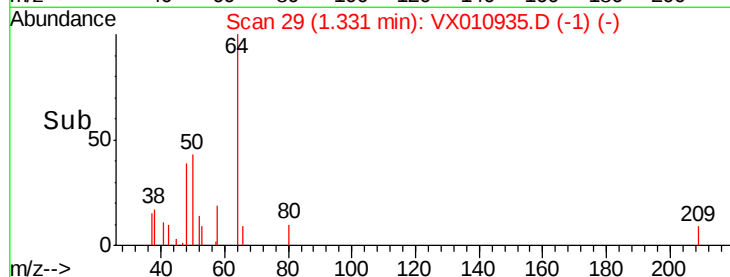
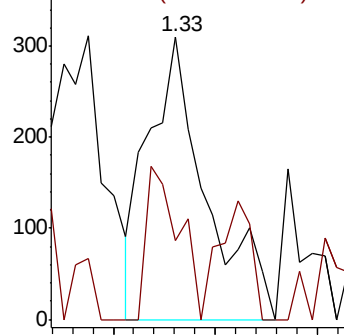
50 100

52 27.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.421 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX010935.D

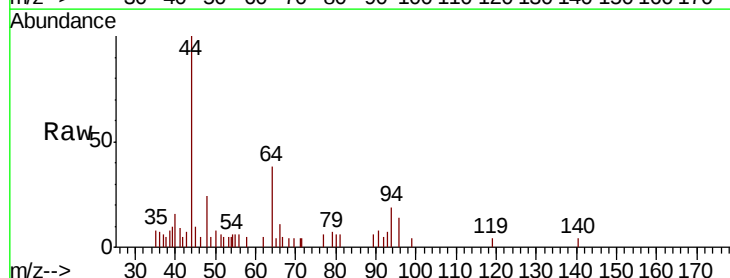
Acq: 17 Jul 2019 14:56

Tgt Ion: 94 Resp: 477

Ion Ratio Lower Upper

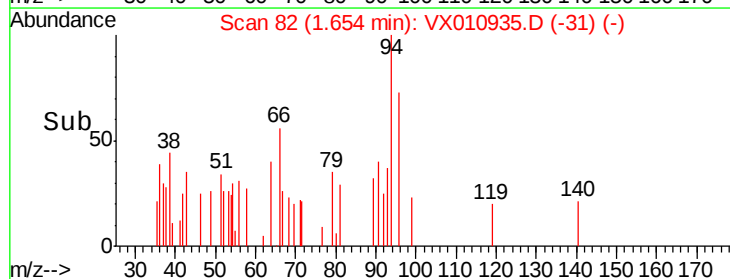
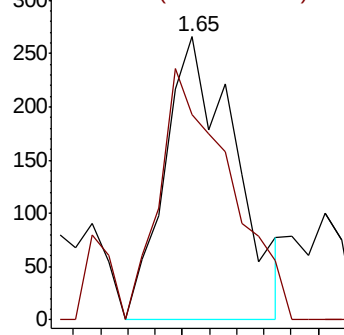
94 100

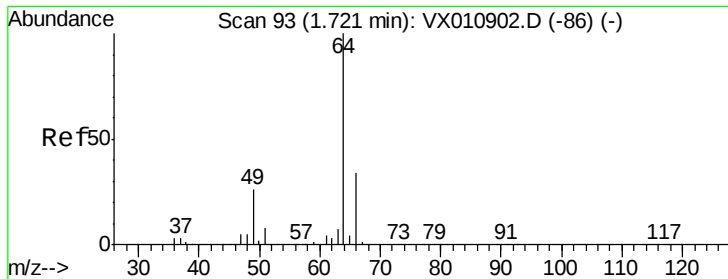
96 72.6 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.383 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010935.D

Acq: 17 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

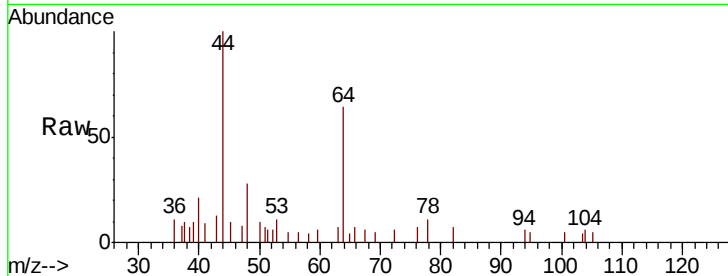
Z5-TB06-190716

Tot Ion: 64 Resp: 489

Ion Ratio Lower Upper

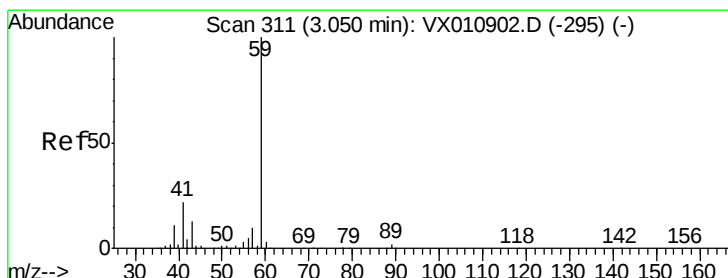
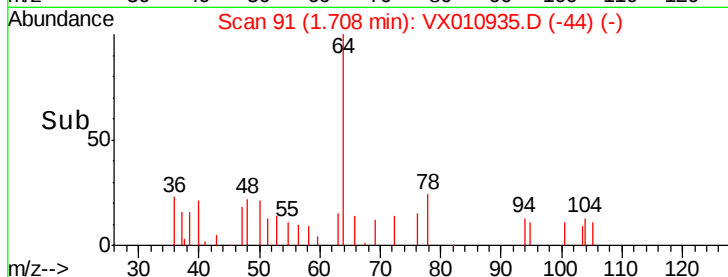
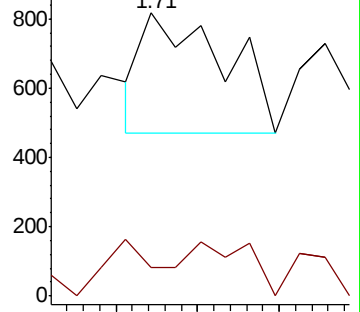
64 100

66 23.9 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: 0.275 ug/l

RT: 3.06 min Scan# 313

Delta R.T. 0.01 min

Lab File: VX010935.D

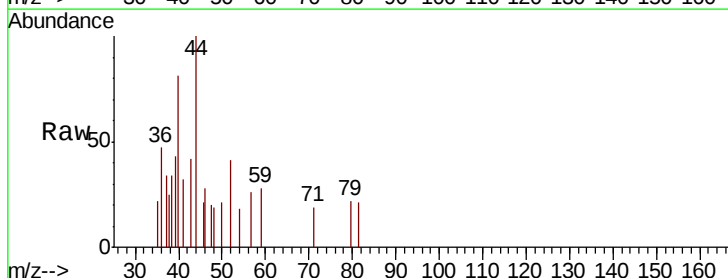
Acq: 17 Jul 2019 14:56

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

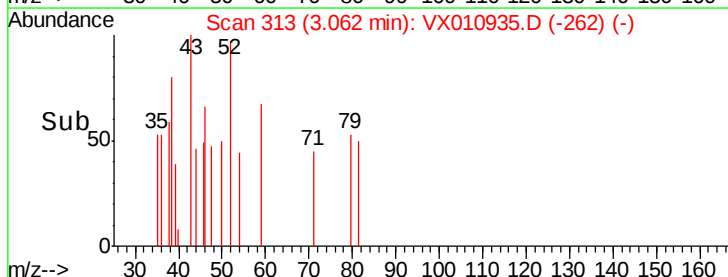
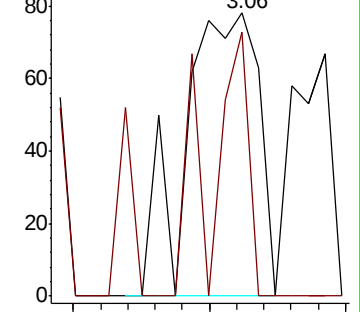
59 100

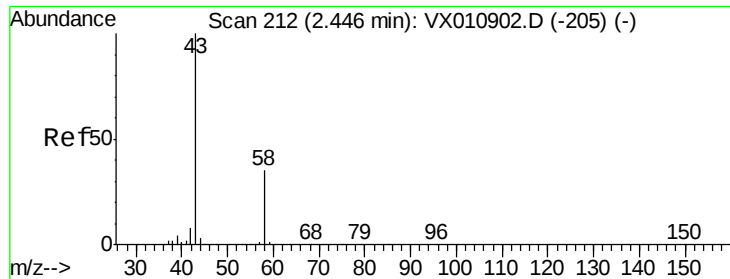
57 31.5 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.259 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010935.D

Acq: 17 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

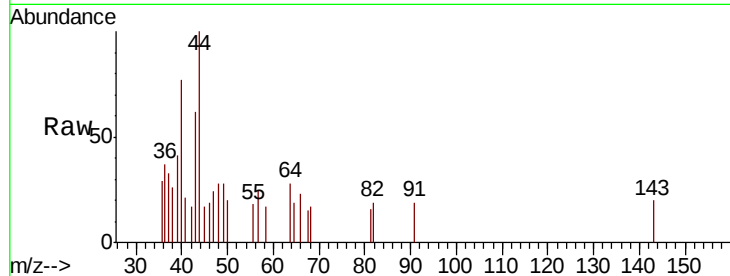
Z5-TB06-190716

Tot Ion: 43 Resp: 266

Ion Ratio Lower Upper

43 100

58 36.5 27.7 41.5



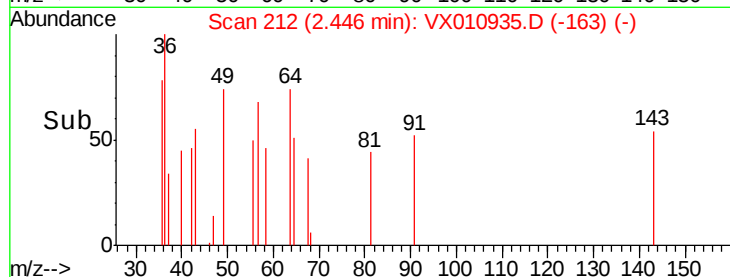
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2.44 2.46 2.48

Time-->



Abundance Ion 56.00 (55.70 to 56.70): VX0

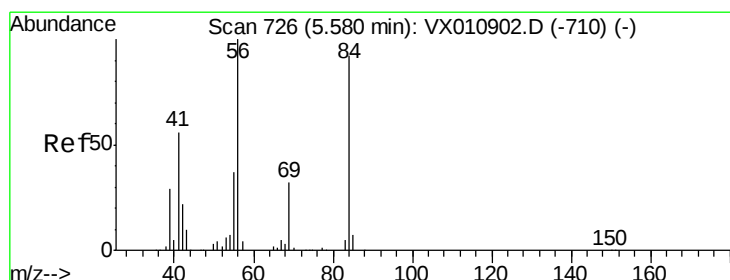
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.67

5.65 5.67 5.69

Time-->



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010935.D

Acq: 17 Jul 2019 14:56

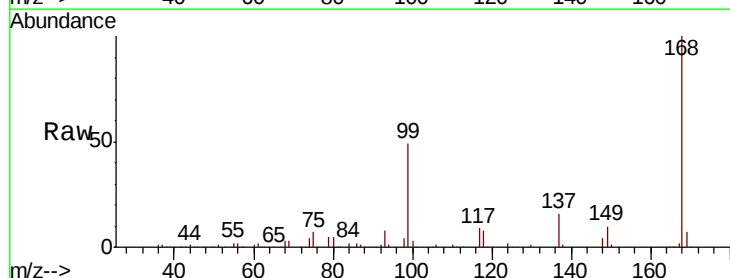
Tgt Ion: 56 Resp: 3868

Ion Ratio Lower Upper

56 100

69 185.7 25.8 38.8#

84 131.7 73.8 110.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

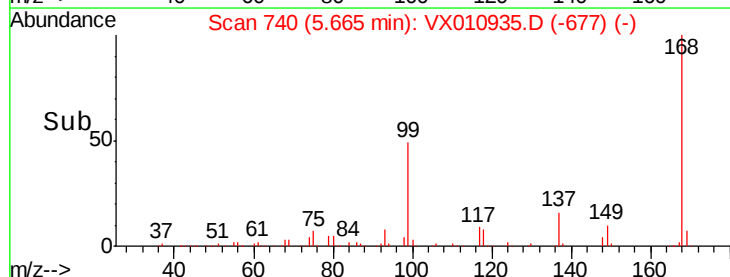
Ion 69.00 (68.70 to 69.70): VX0

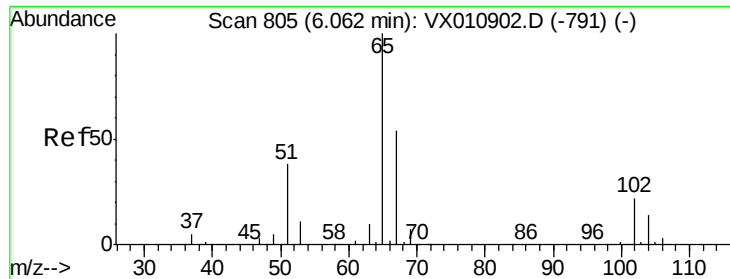
Ion 84.00 (83.70 to 84.70): VX0

5.67

5.65 5.67 5.69

Time-->

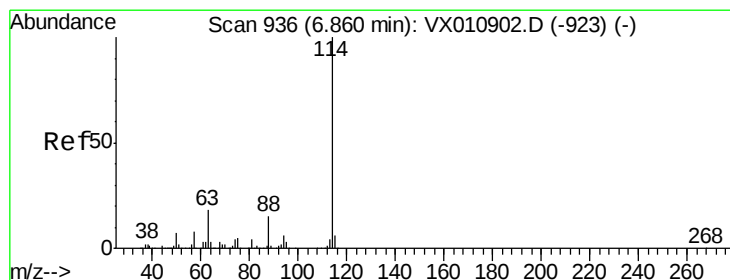
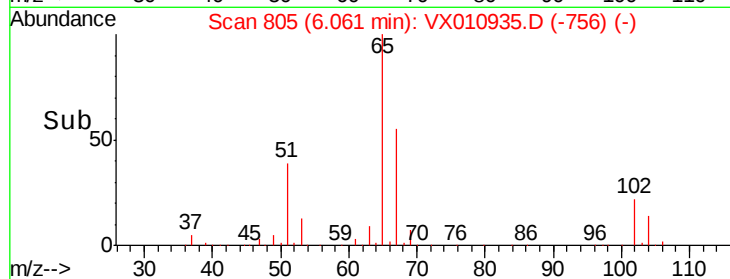
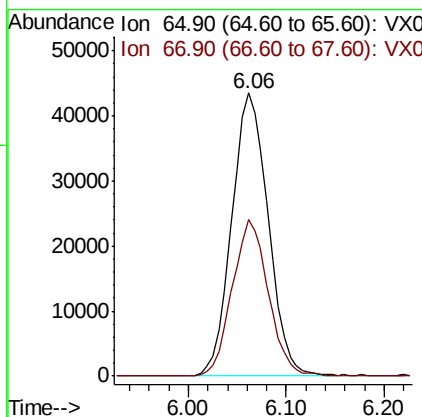
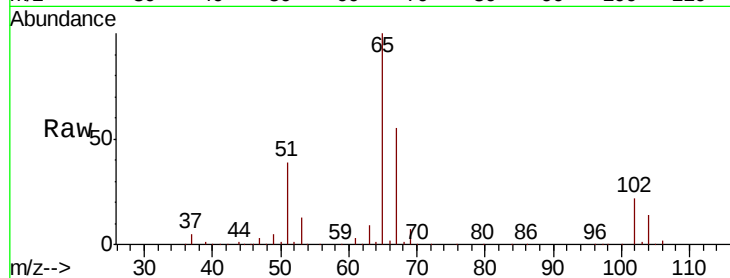




#33
 1,2-Dichloroethane-d4
 Concen: 49.443 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010935.D
 Acq: 17 Jul 2019 14:56

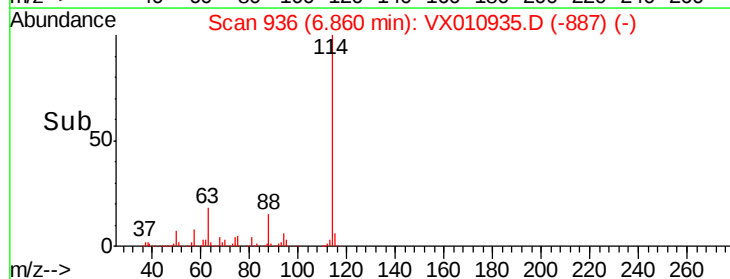
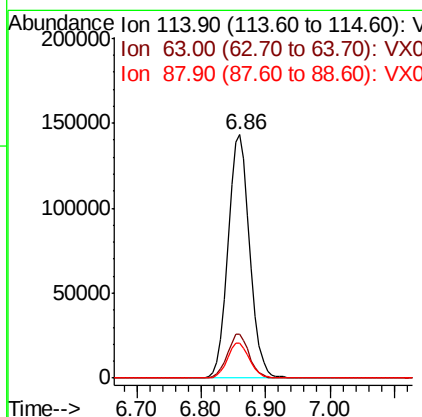
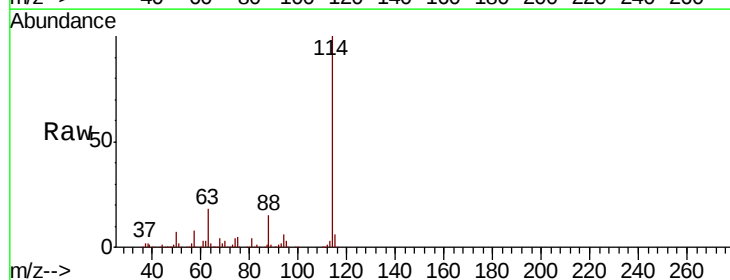
Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-TB06-190716

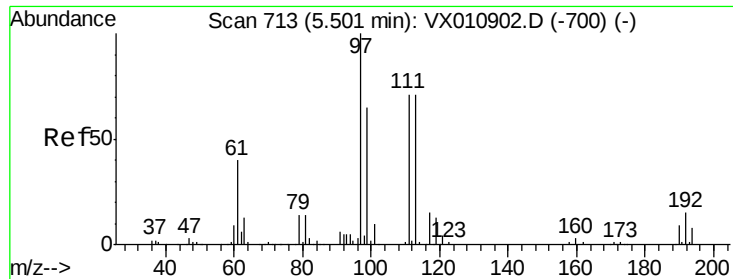
Tot Ion: 65 Resp: 112623
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010935.D
 Acq: 17 Jul 2019 14:56

Tgt Ion: 114 Resp: 338622
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.6
 88 14.6 0.0 29.8

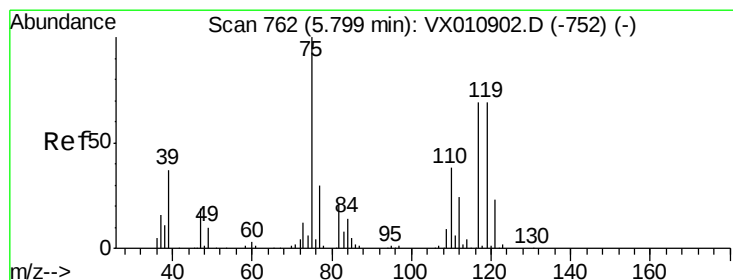
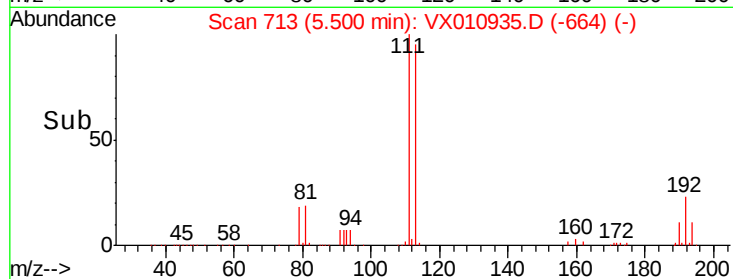
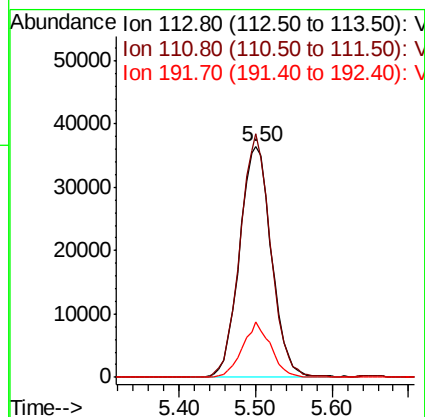
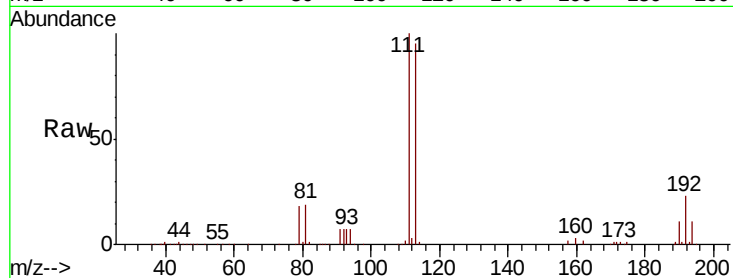




#35
 Dibromofluoromethane
 Concen: 49.047 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010935.D
 Acq: 17 Jul 2019 14:56

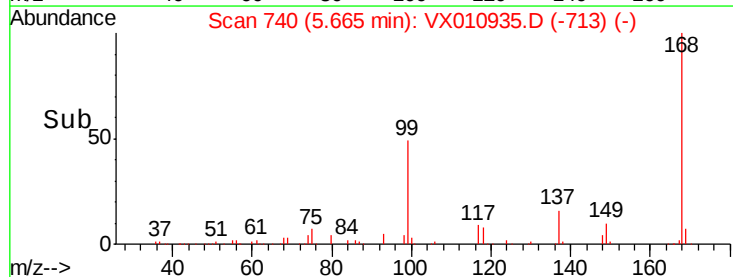
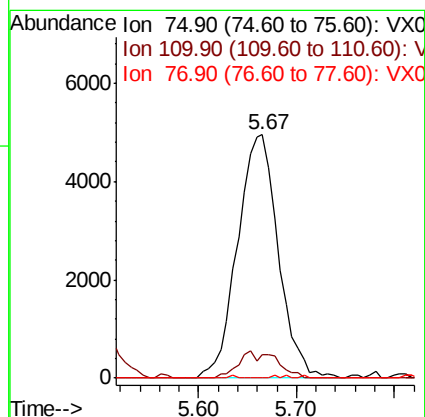
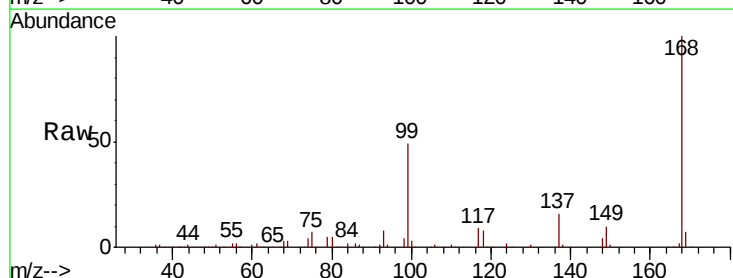
Instrument :
 MSVOA_X
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 Z5-TB06-190716

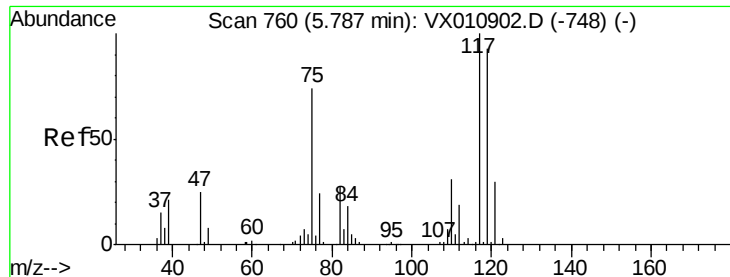
Tot Ion:113 Resp: 105417
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.3 123.5
 192 21.3 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.159 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010935.D
 Acq: 17 Jul 2019 14:56

Tgt Ion: 75 Resp: 14349
 Ion Ratio Lower Upper
 75 100
 110 5.2 19.9 59.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.565 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010935.D

Acq: 17 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB06-190716

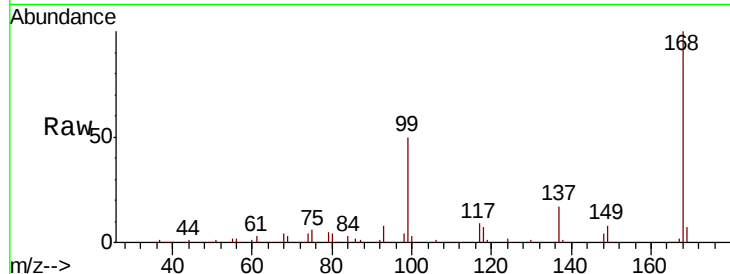
Tot Ion:117 Resp: 19028

Ion Ratio Lower Upper

117 100

119 5.9 74.2 111.2#

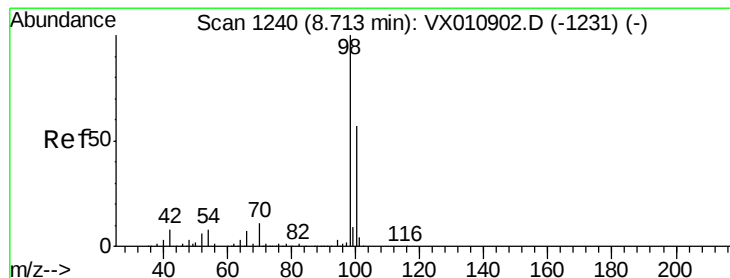
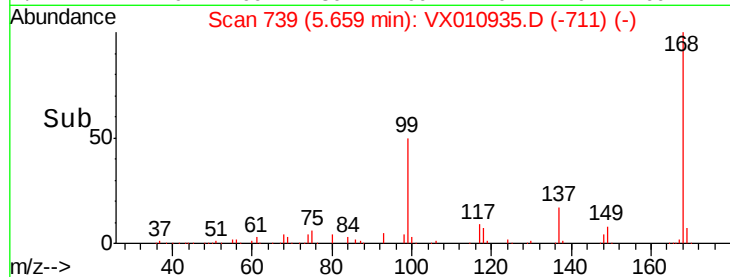
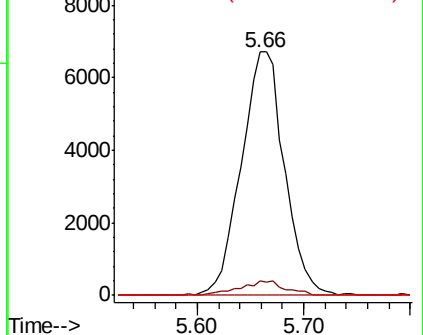
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 50.318 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010935.D

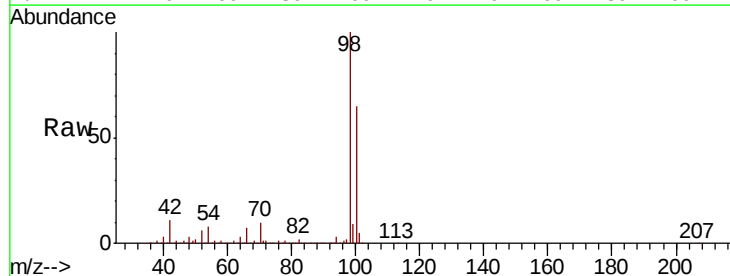
Acq: 17 Jul 2019 14:56

Tgt Ion: 98 Resp: 405624

Ion Ratio Lower Upper

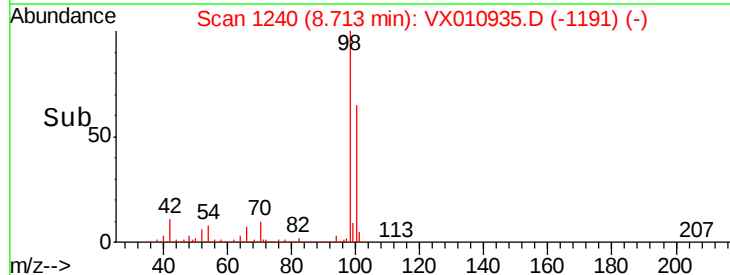
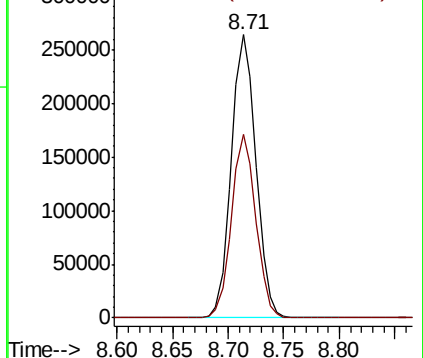
98 100

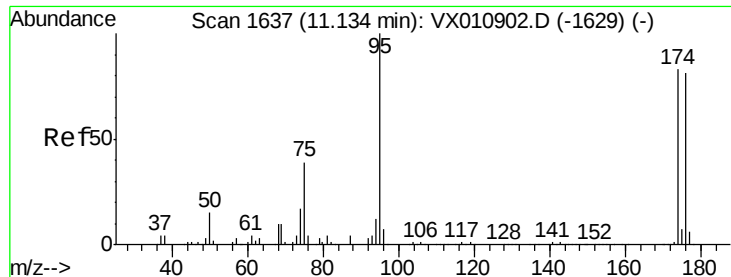
100 63.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.347 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010935.D

Acq: 17 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB06-190716

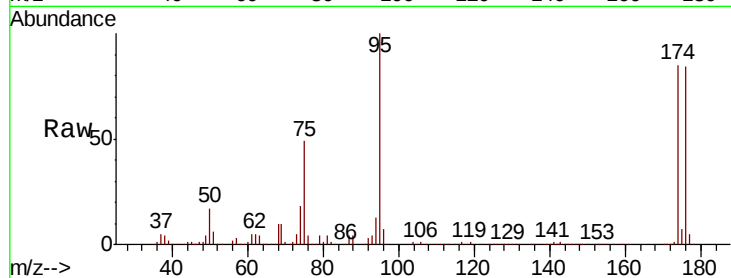
Tot Ion: 95 Resp: 140293

Ion Ratio Lower Upper

95 100

174 91.3 0.0 180.6

176 88.9 0.0 173.8

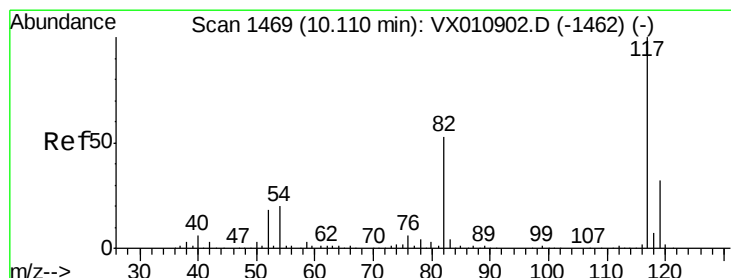
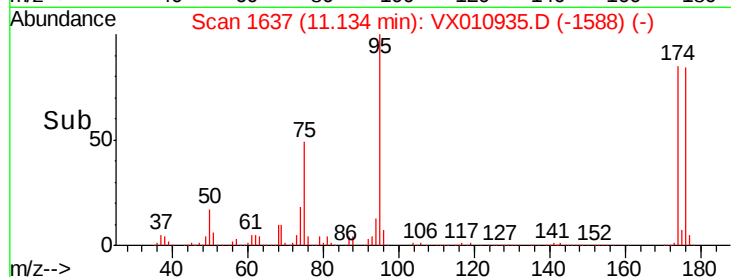
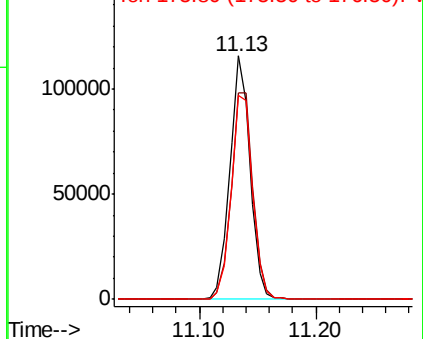


Abundance

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: VX010935.D

Acq: 17 Jul 2019 14:56

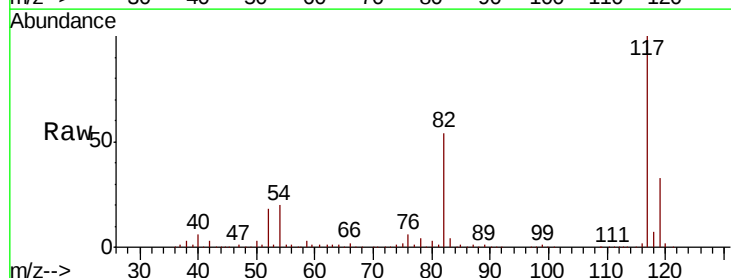
Tgt Ion: 117 Resp: 312179

Ion Ratio Lower Upper

117 100

82 54.5 42.6 63.8

119 32.7 25.9 38.9

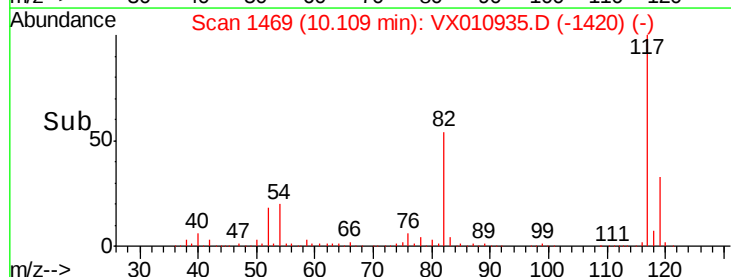
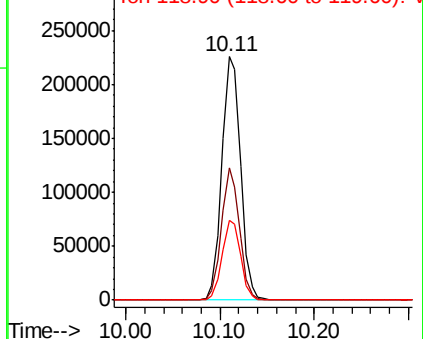


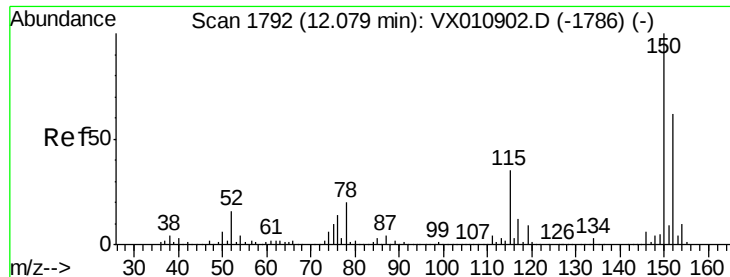
Abundance

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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010935.D

Acq: 17 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB06-190716

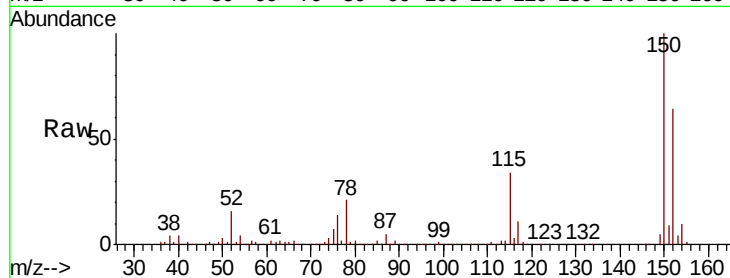
Tot Ion:152 Resp: 145903

Ion Ratio Lower Upper

152 100

115 54.8 39.7 119.1

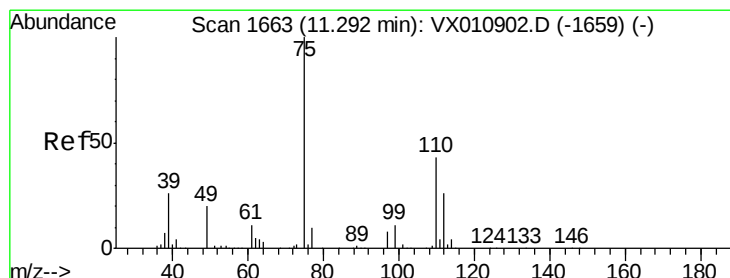
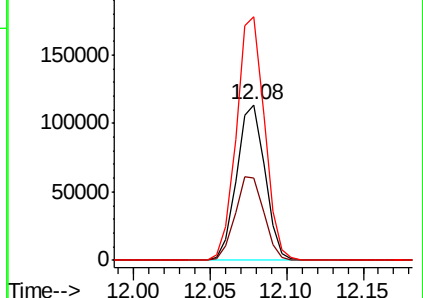
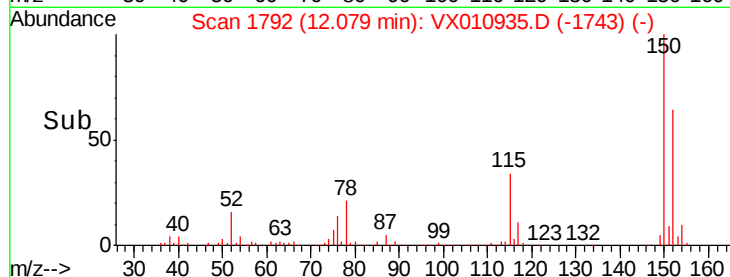
150 155.5 0.0 345.6



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: 26.377 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010935.D

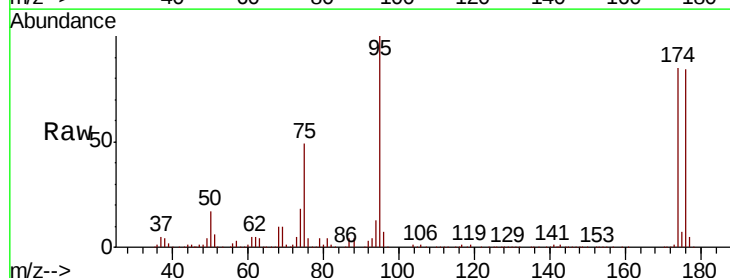
Acq: 17 Jul 2019 14:56

Tgt Ion: 75 Resp: 69447

Ion Ratio Lower Upper

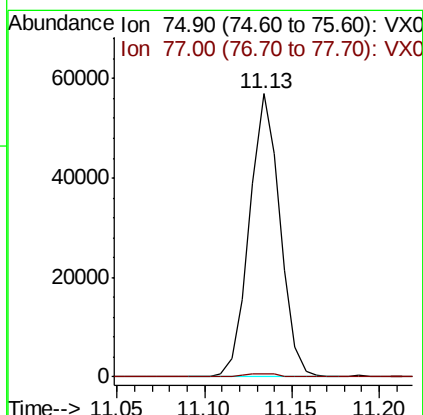
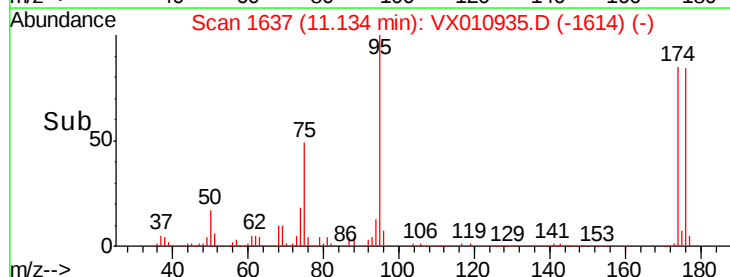
75 100

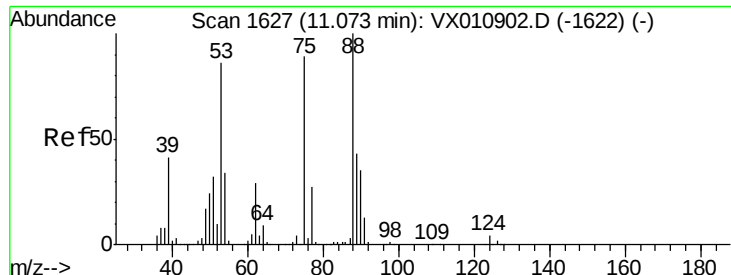
77 1.3 21.3 64.0#



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: 65.487 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010935.D

Acq: 17 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB06-190716

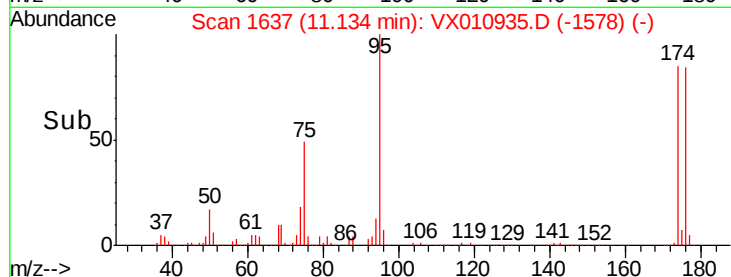
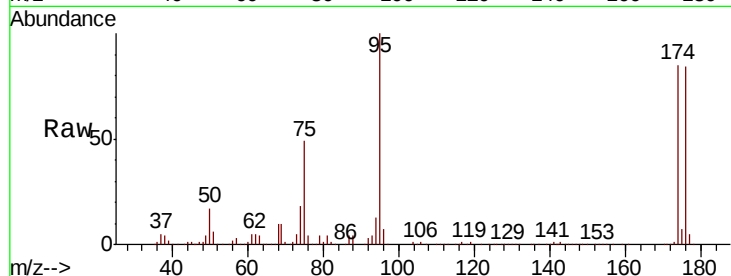
Tot Ion: 75 Resp: 69447

Ion Ratio Lower Upper

75 100

53 0.1 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

