

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080719\
 Data File : VX011366.D
 Acq On : 07 Aug 2019 16:31
 Operator : JC/SP
 Sample : K4222-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190806

Quant Time: Aug 08 07:05:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	166839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272696	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	124107	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	95873	57.06	ug/l	0.00
Spiked Amount			Recovery	=	114.12%	
35) Dibromofluoromethane	5.49	113	88704	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	8.71	98	330227	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.13	95	118597	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

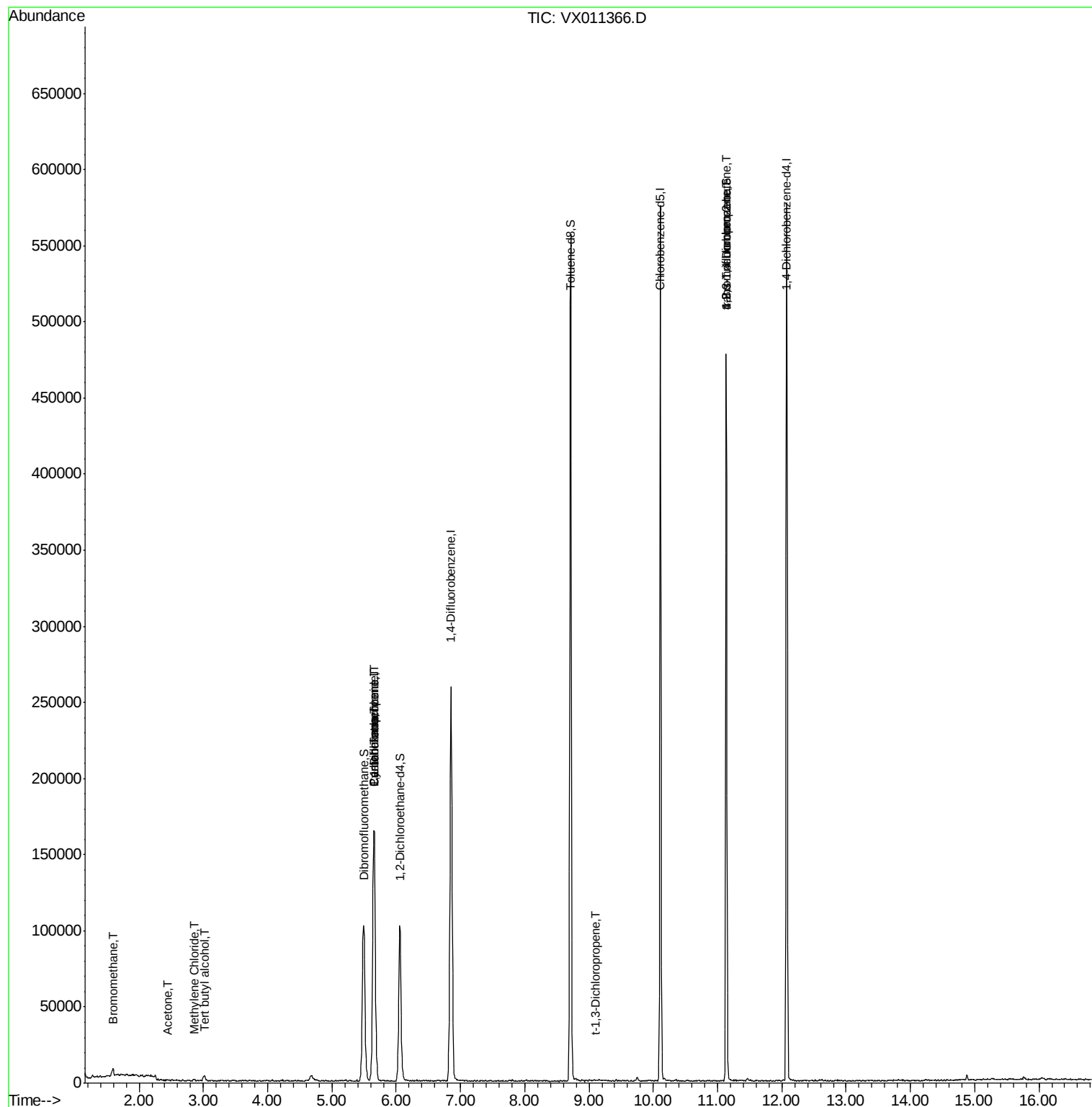
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.60	94	253	0.223	ug/l #	3
6) Chloroethane	1.70	64	185	Below Cal		93
11) Tert butyl alcohol	3.01	59	1881	5.637	ug/l #	83
13) Acrolein	2.29	56	48	Below Cal	#	1
16) Acetone	2.44	43	356	0.445	ug/l #	78
20) Methylene Chloride	2.85	84	386	0.220	ug/l #	76
31) Cyclohexane	5.65	56	3201	1.479	ug/l #	10
36) 1,1-Dichloropropene	5.66	75	11232	4.718	ug/l #	49
38) Carbon Tetrachloride	5.65	117	15199	6.345	ug/l #	14
53) t-1,3-Dichloropropene	9.10	75	20	2.846	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	59776	26.448	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	59776	68.756	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011366.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_X

ClientSampleId :

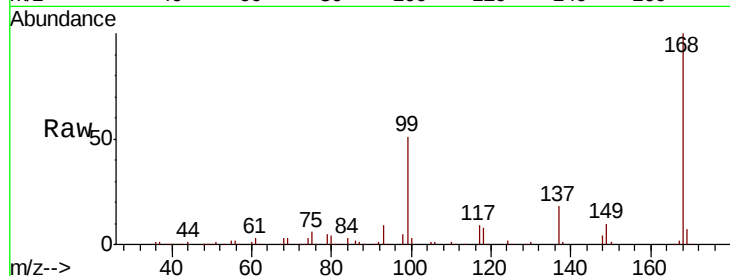
TB-01-190806

Tgt Ion:168 Resp: 166839

Ion Ratio Lower Upper

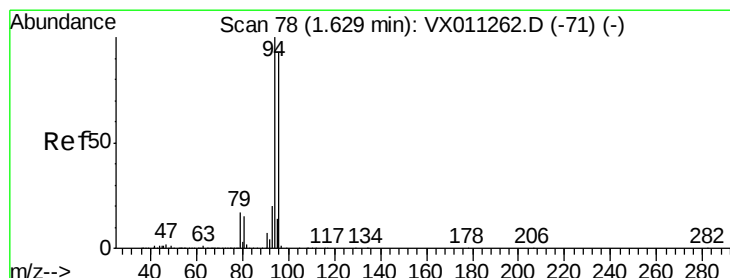
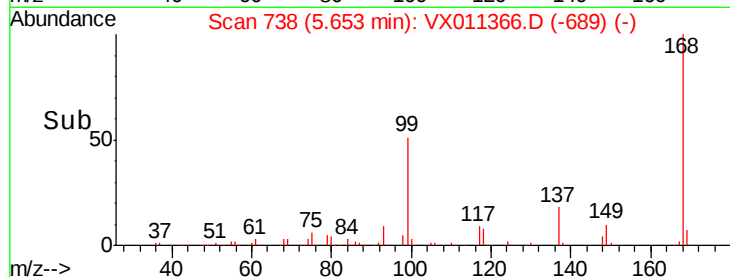
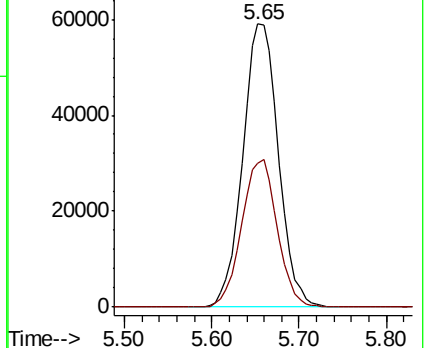
168 100

99 51.0 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.223 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.03 min

Lab File: VX011366.D

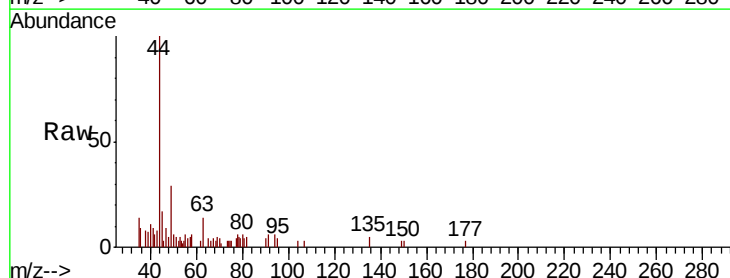
Acq: 07 Aug 2019 16:31

Tgt Ion: 94 Resp: 253

Ion Ratio Lower Upper

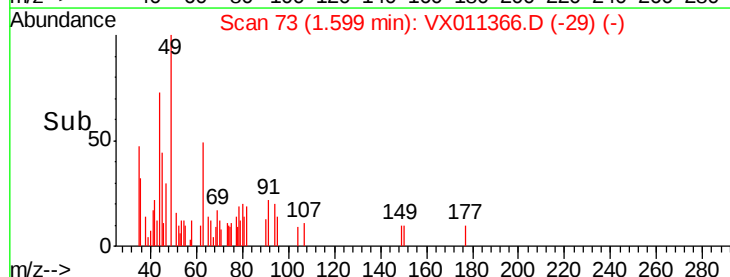
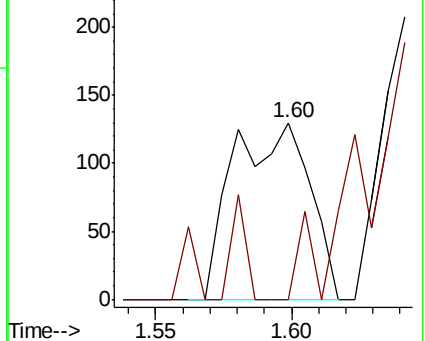
94 100

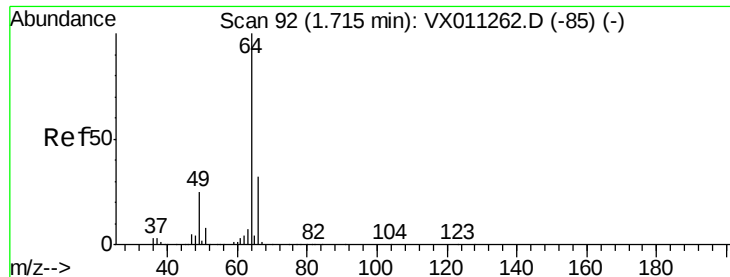
96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011366.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_X

ClientSampled :

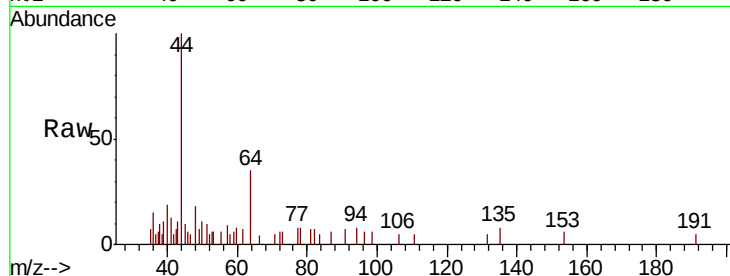
TB-01-190806

Tgt Ion: 64 Resp: 185

Ion Ratio Lower Upper

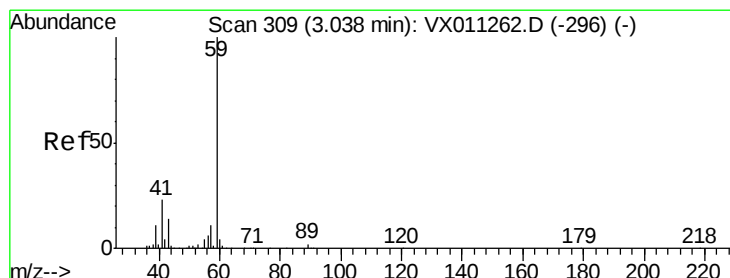
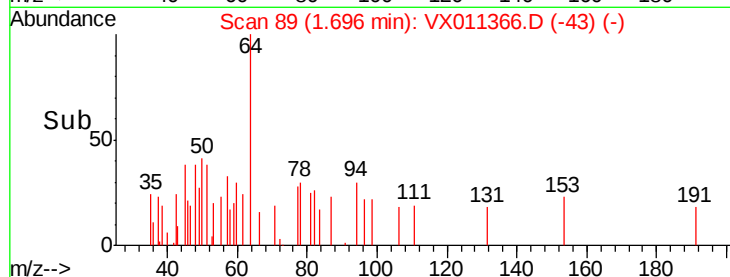
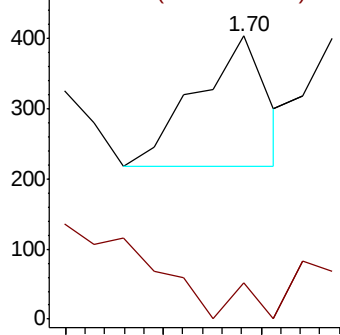
64 100

66 27.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 5.637 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011366.D

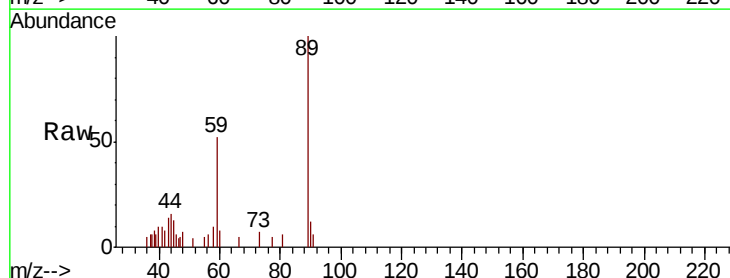
Acq: 07 Aug 2019 16:31

Tgt Ion: 59 Resp: 1881

Ion Ratio Lower Upper

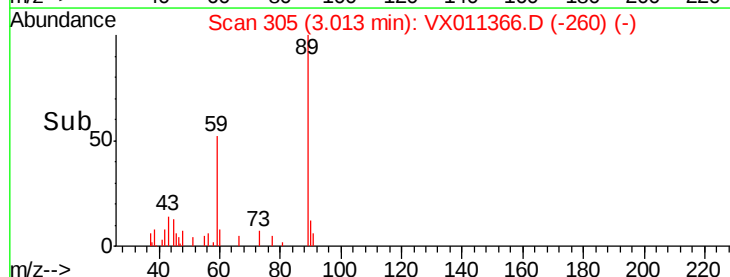
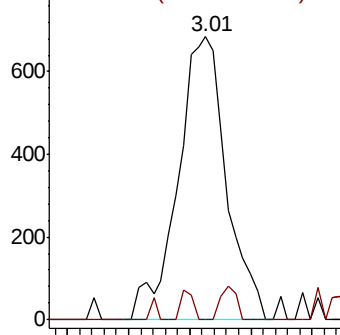
59 100

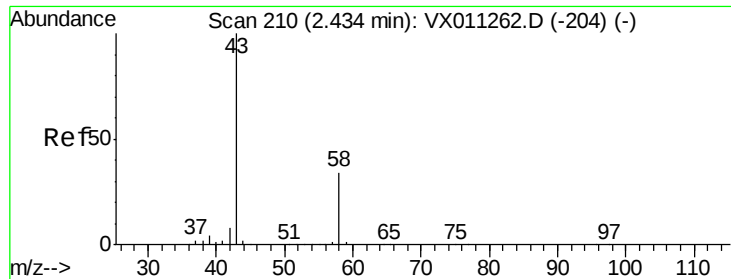
57 3.9 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.445 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011366.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_X

ClientSampleId :

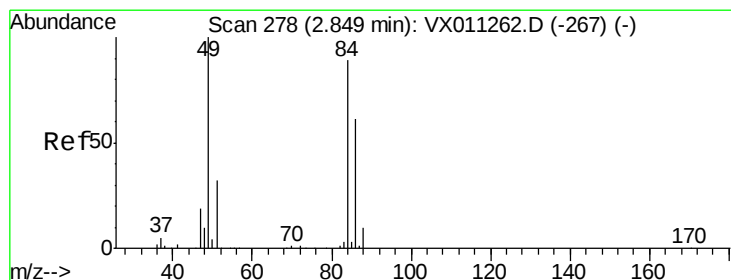
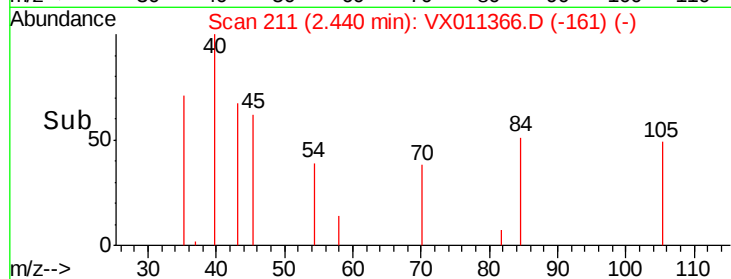
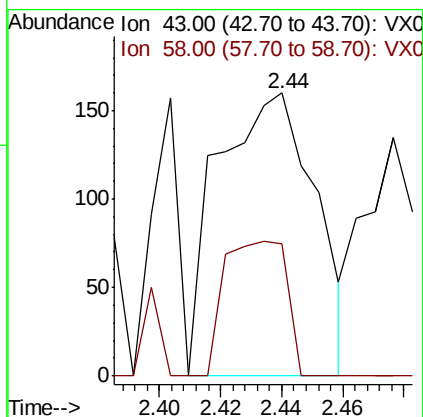
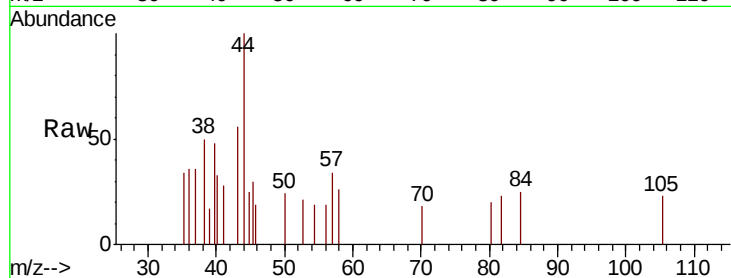
TB-01-190806

Tgt Ion: 43 Resp: 356

Ion Ratio Lower Upper

43 100

58 46.9 27.4 41.0#



#20

Methylene Chloride

Concen: 0.220 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011366.D

Acq: 07 Aug 2019 16:31

Tgt Ion: 84 Resp: 386

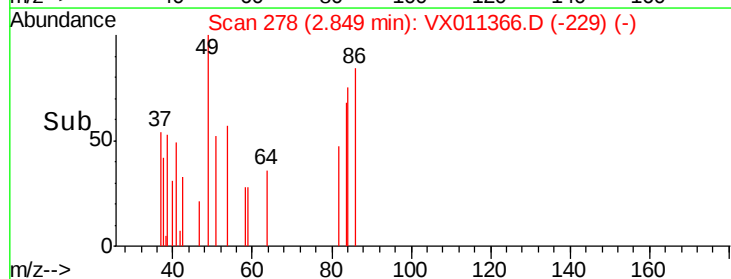
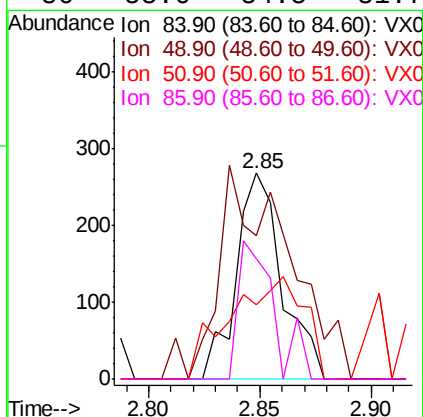
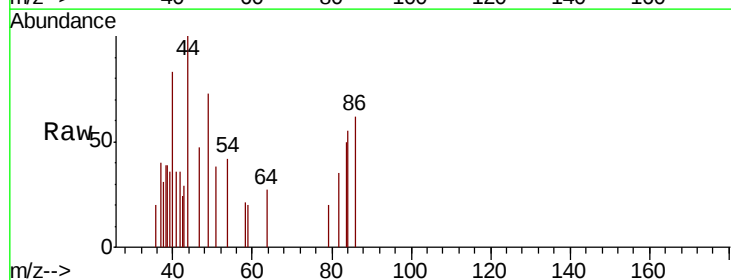
Ion Ratio Lower Upper

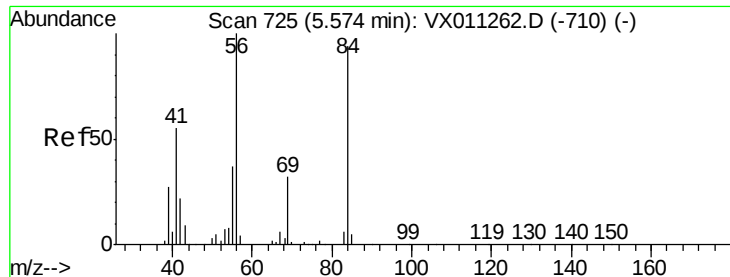
84 100

49 69.8 89.3 133.9#

51 36.2 28.3 42.5

86 58.6 54.5 81.7

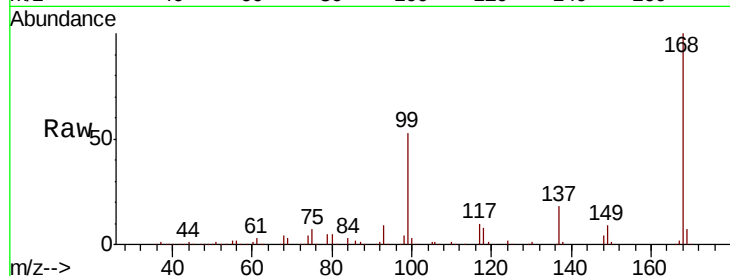




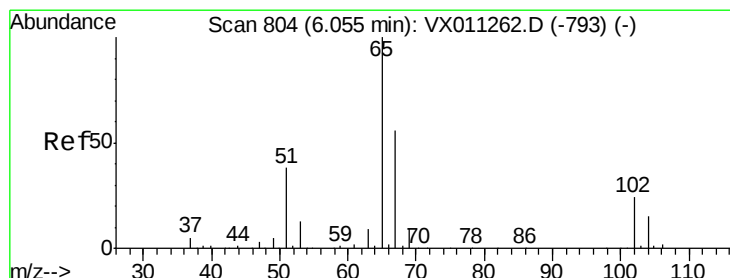
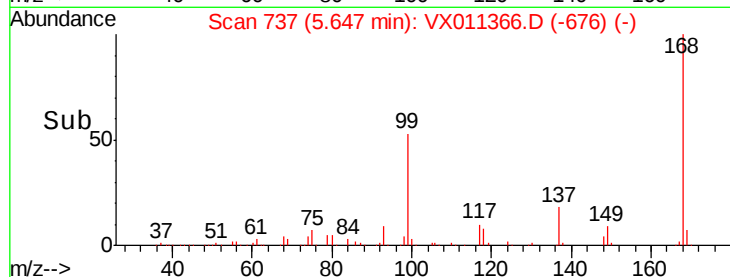
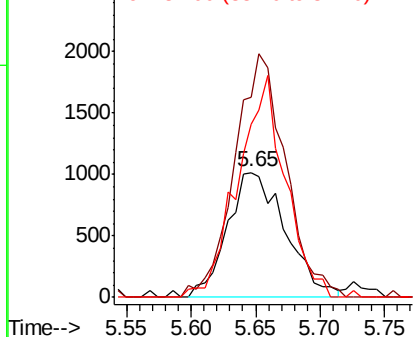
#31
Cyclohexane
Concen: 1.479 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX011366.D
Acq: 07 Aug 2019 16:31

Instrument :
MSVOA_X
ClientSampleId :
TB-01-190806

Tgt Ion: 56 Resp: 3201
Ion Ratio Lower Upper
56 100
69 153.1 25.5 38.3#
84 138.0 75.0 112.4#

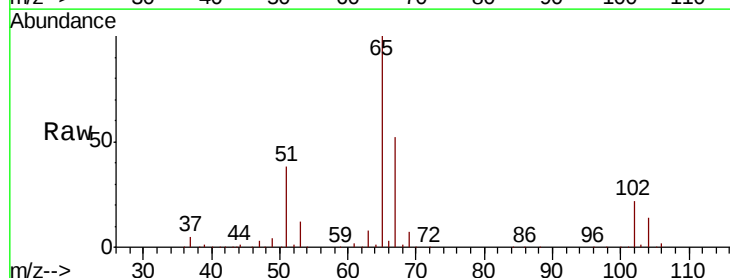


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

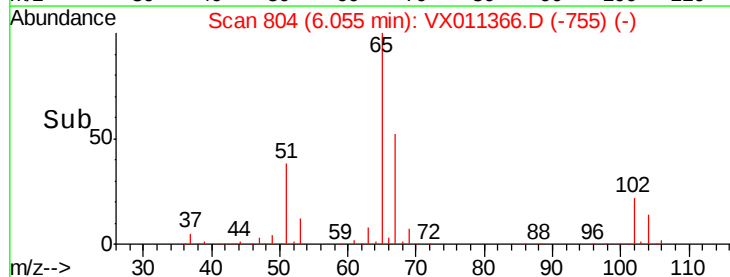
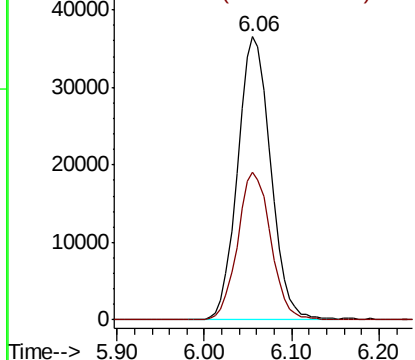


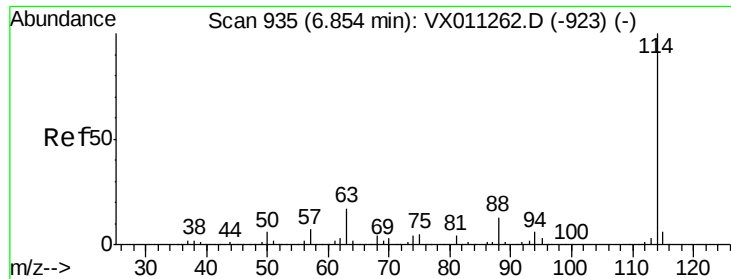
#33
1,2-Dichloroethane-d4
Concen: 57.062 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011366.D
Acq: 07 Aug 2019 16:31

Tgt Ion: 65 Resp: 95873
Ion Ratio Lower Upper
65 100
67 52.5 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

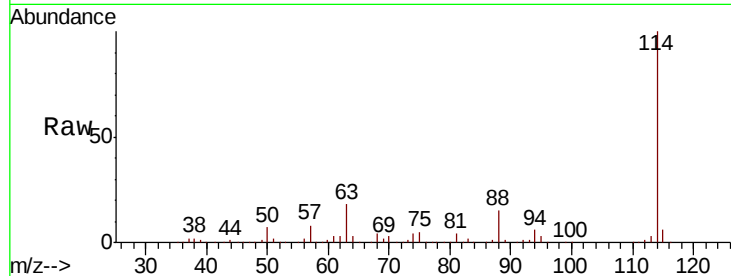




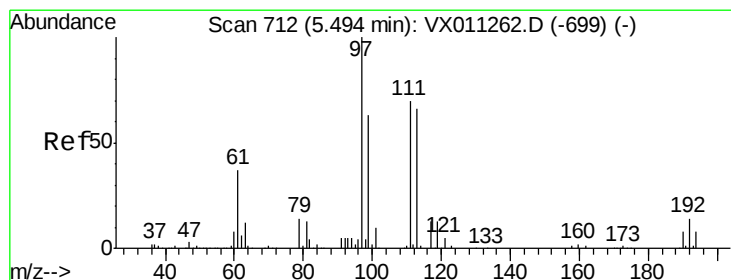
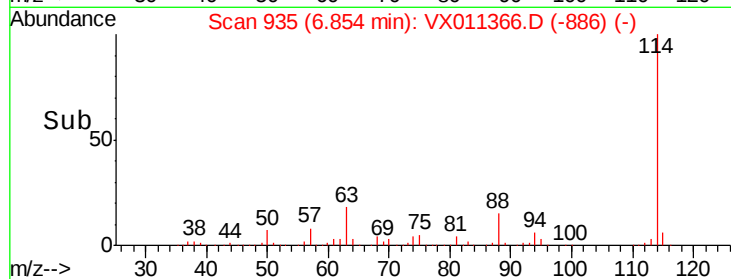
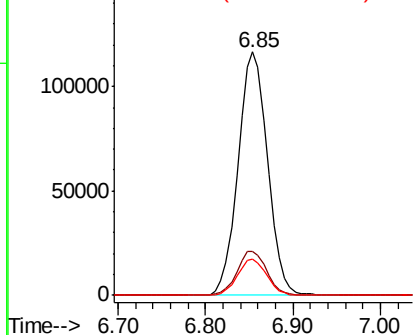
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011366.D
 Acq: 07 Aug 2019 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190806

Tgt Ion:114 Resp: 272696
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.0
 88 14.9 0.0 26.4

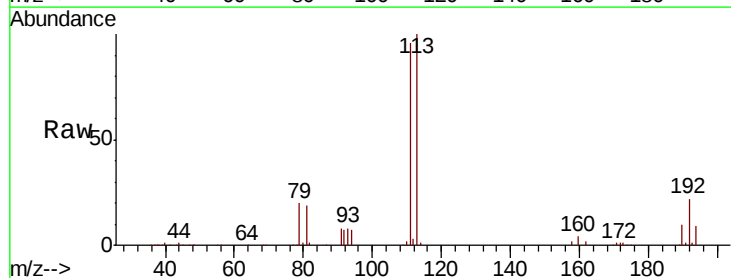


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

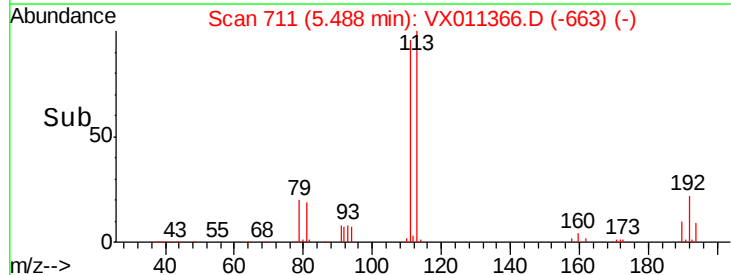
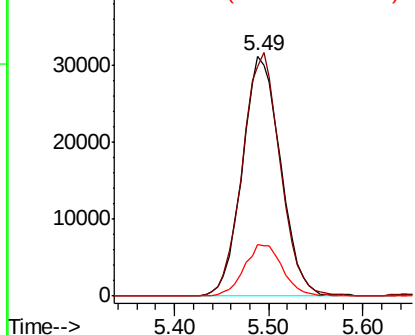


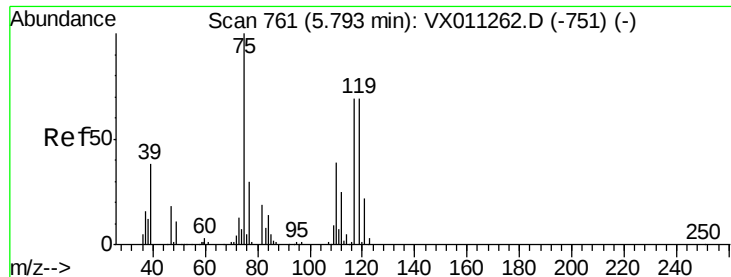
#35
 Dibromofluoromethane
 Concen: 49.823 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011366.D
 Acq: 07 Aug 2019 16:31

Tgt Ion:113 Resp: 88704
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.9 122.9
 192 21.5 17.8 26.8



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





#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011366.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190806

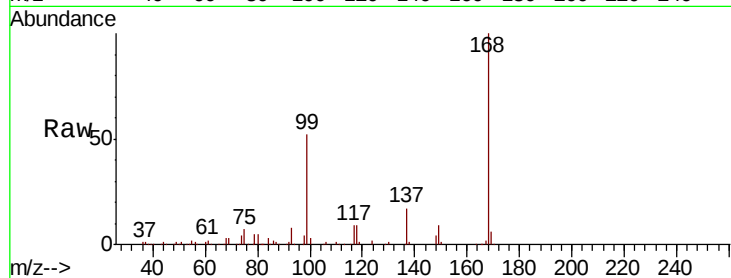
Tgt Ion: 75 Resp: 11232

Ion Ratio Lower Upper

75 100

110 11.3 20.0 59.9#

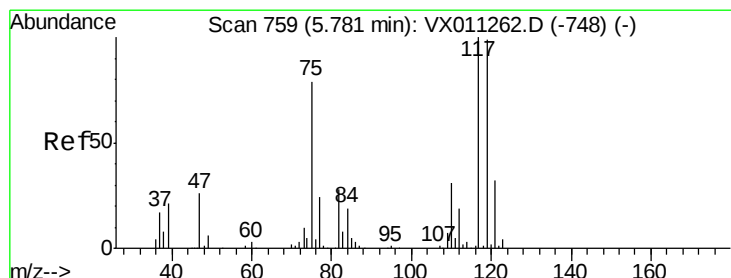
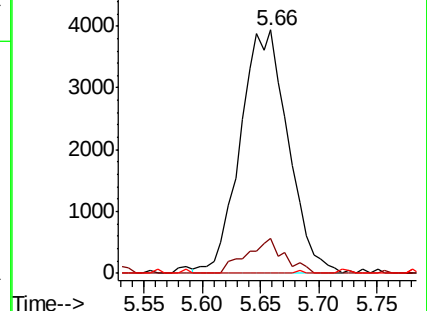
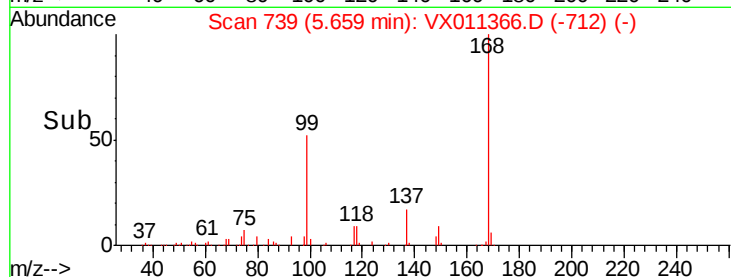
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX011366.D (-712) (-)

Ion 109.90 (109.60 to 110.60): VX011366.D (-712) (-)

Ion 76.90 (76.60 to 77.60): VX011366.D (-712) (-)



#38

Carbon Tetrachloride

Concen: 6.345 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011366.D

Acq: 07 Aug 2019 16:31

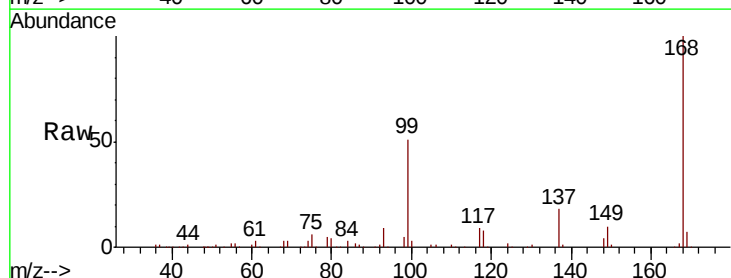
Tgt Ion: 117 Resp: 15199

Ion Ratio Lower Upper

117 100

119 3.6 79.0 118.4#

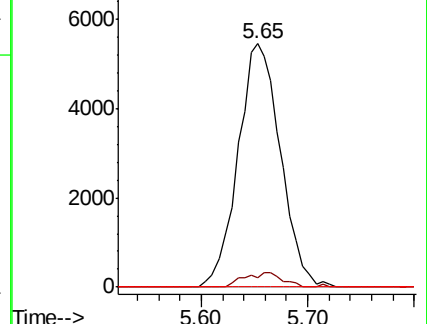
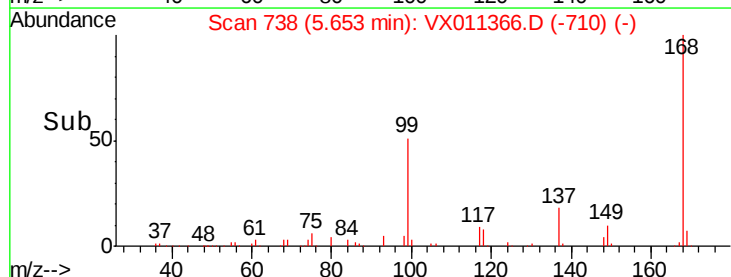
121 0.0 25.9 38.9#

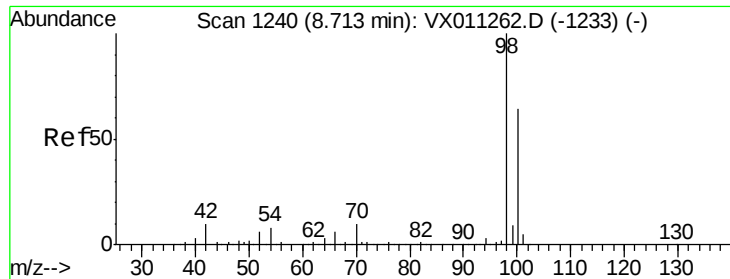


Abundance Ion 116.80 (116.50 to 117.50): VX011366.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX011366.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX011366.D (-710) (-)





#50

Toluene-d8

Concen: 49.138 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011366.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_X

ClientSampleId :

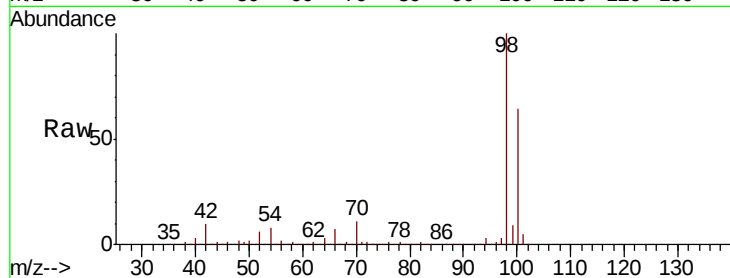
TB-01-190806

Tgt Ion: 98 Resp: 330227

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

250000

200000

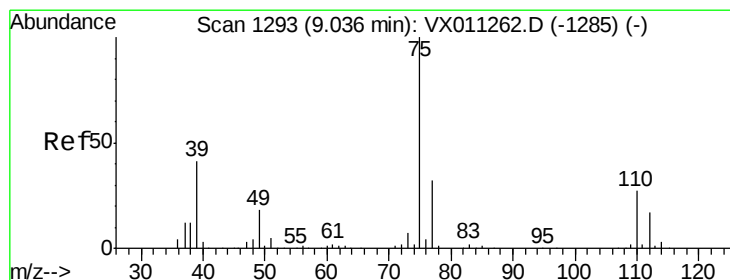
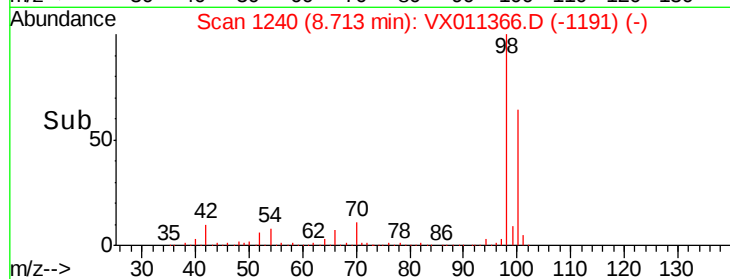
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#53

t-1,3-Dichloropropene

Concen: 2.846 ug/l

RT: 9.10 min Scan# 1303

Delta R.T. 0.06 min

Lab File: VX011366.D

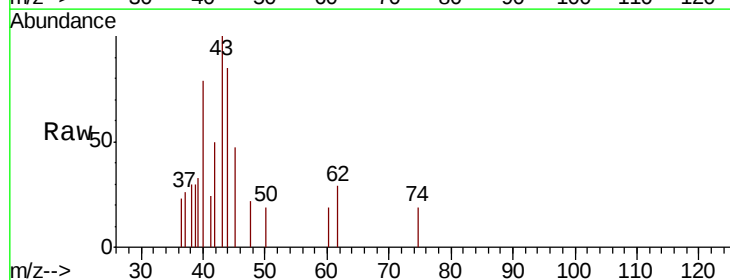
Acq: 07 Aug 2019 16:31

Tgt Ion: 75 Resp: 20

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.10

60

50

40

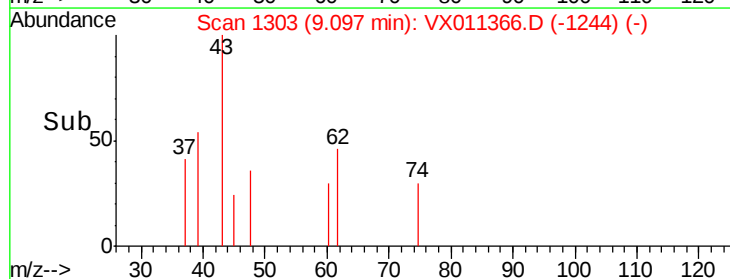
30

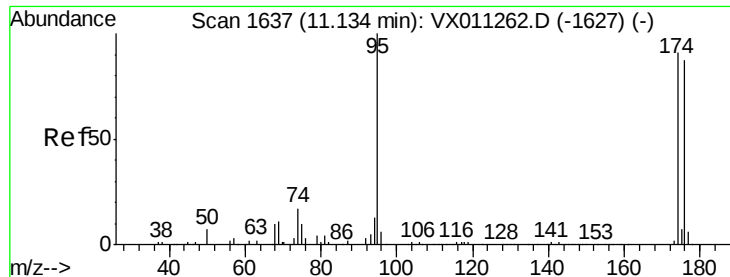
20

10

0

Time--> 9.08 9.09 9.10 9.11





#62

4-Bromofluorobenzene

Concen: 49.429 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011366.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190806

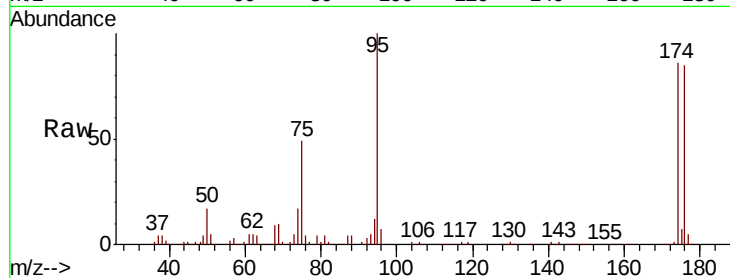
Tgt Ion: 95 Resp: 118597

Ion Ratio Lower Upper

95 100

174 90.6 0.0 191.2

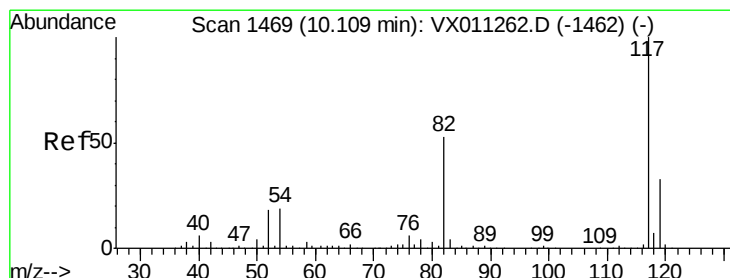
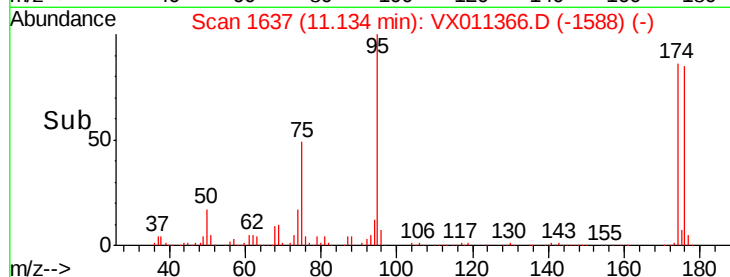
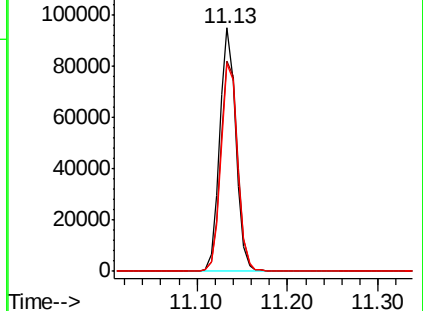
176 88.1 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX011262.D (-1627) (-)

Ion 173.80 (173.50 to 174.50): VX011262.D (-1627) (-)

Ion 175.80 (175.50 to 176.50): VX011262.D (-1627) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011366.D

Acq: 07 Aug 2019 16:31

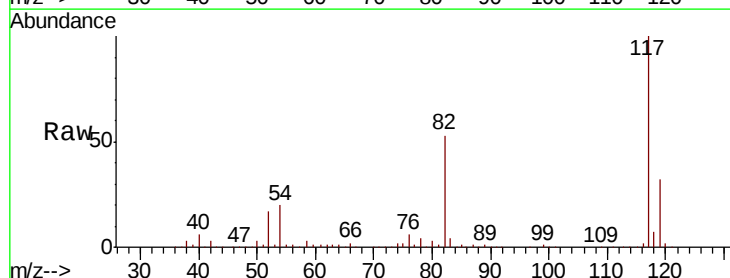
Tgt Ion: 117 Resp: 260013

Ion Ratio Lower Upper

117 100

82 52.6 42.2 63.2

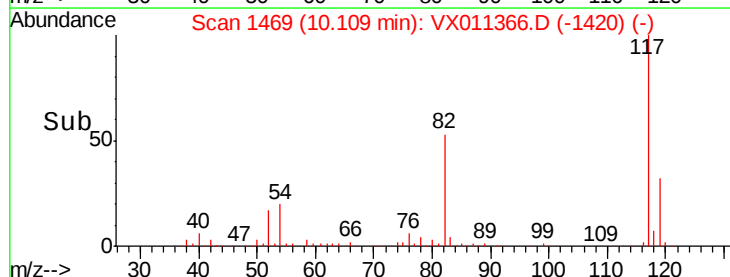
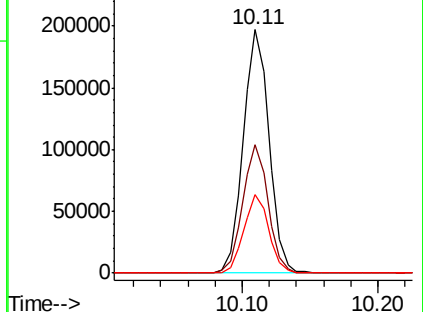
119 32.0 26.6 39.8

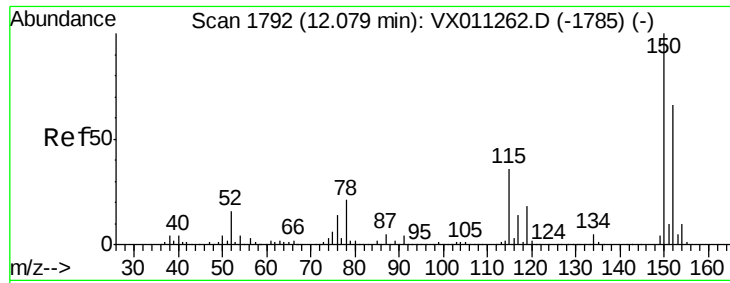


Abundance Ion 116.90 (116.60 to 117.60): VX011262.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX011262.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX011262.D (-1462) (-)



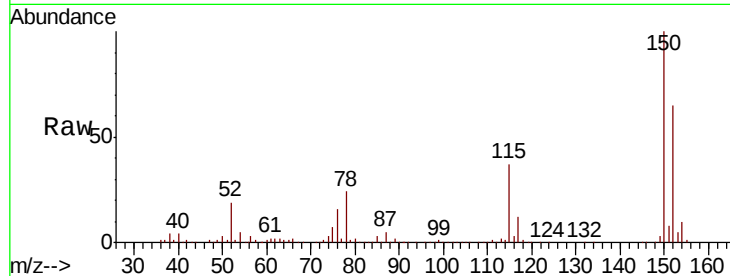


#72

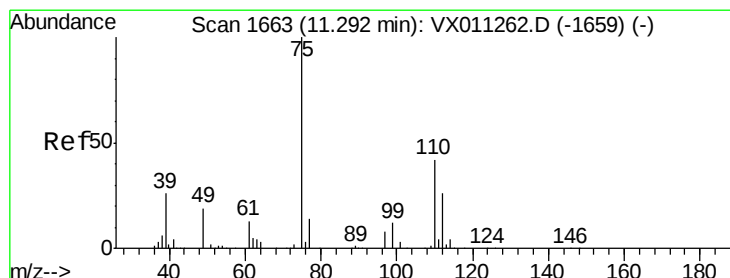
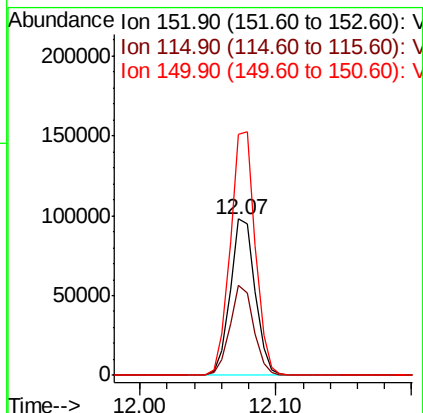
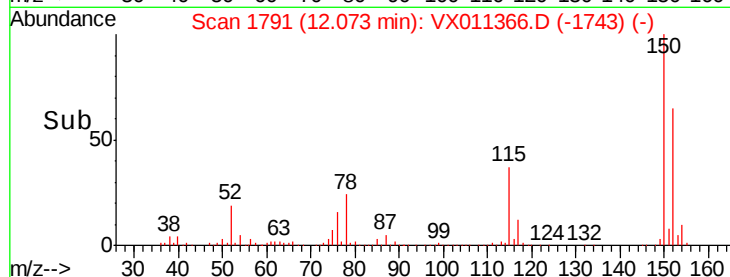
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011366.D
Acq: 07 Aug 2019 16:31

Instrument :
MSVOA_X
ClientSampleId :
TB-01-190806

Tgt Ion: 152 Resp: 124107
Ion Ratio Lower Upper
152 100
115 55.3 40.0 119.9
150 157.0 0.0 350.4



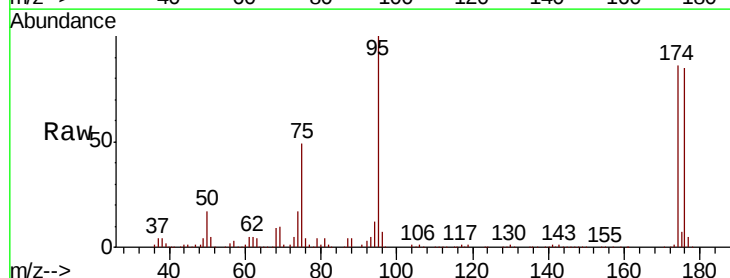
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



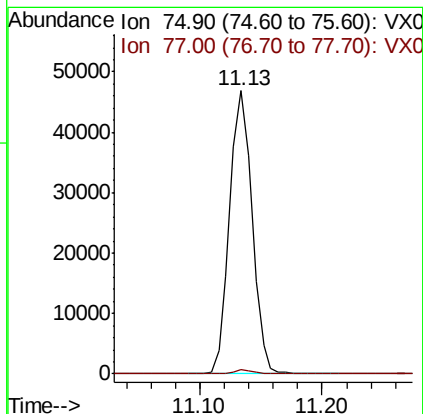
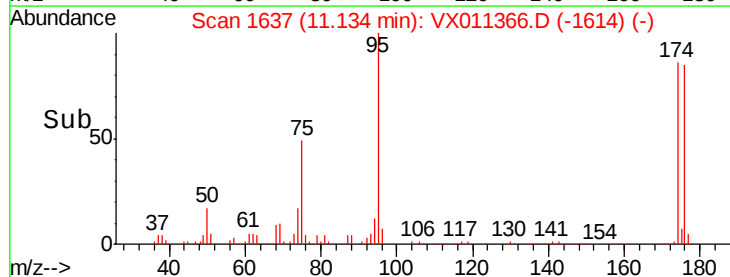
#76

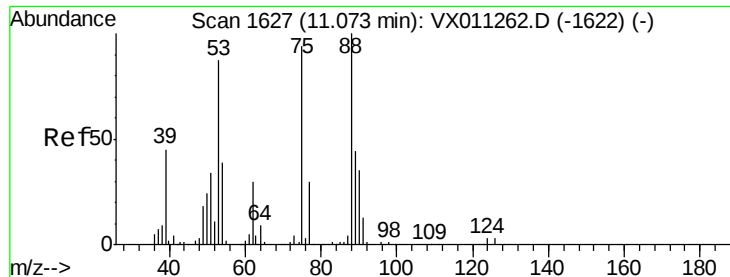
1,2,3-Trichloropropane
Concen: 26.448 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011366.D
Acq: 07 Aug 2019 16:31

Tgt Ion: 75 Resp: 59776
Ion Ratio Lower Upper
75 100
77 1.2 21.1 63.4#



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: 68.756 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011366.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190806

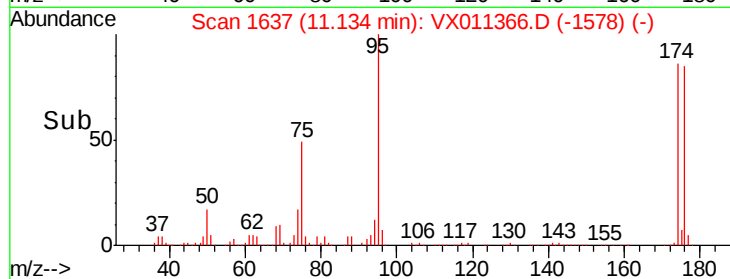
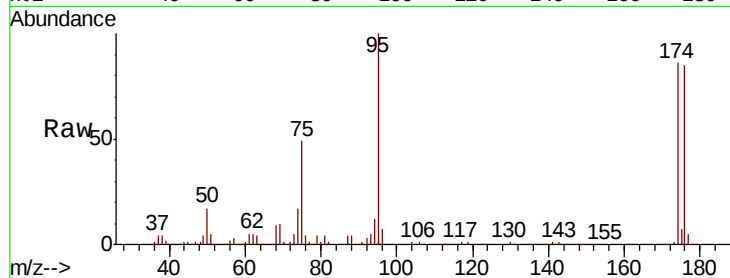
Tgt Ion: 75 Resp: 59776

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 37.9 56.9#



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

