

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030719\
 Data File : VX007886.D
 Acq On : 07 Mar 2019 16:18
 Operator : JC/SP
 Sample : K1783-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-2

Quant Time: Mar 08 04:43:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	434832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	410962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198675	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	153750	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	5.51	113	144473	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	8.71	98	527459	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.13	95	193446	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	

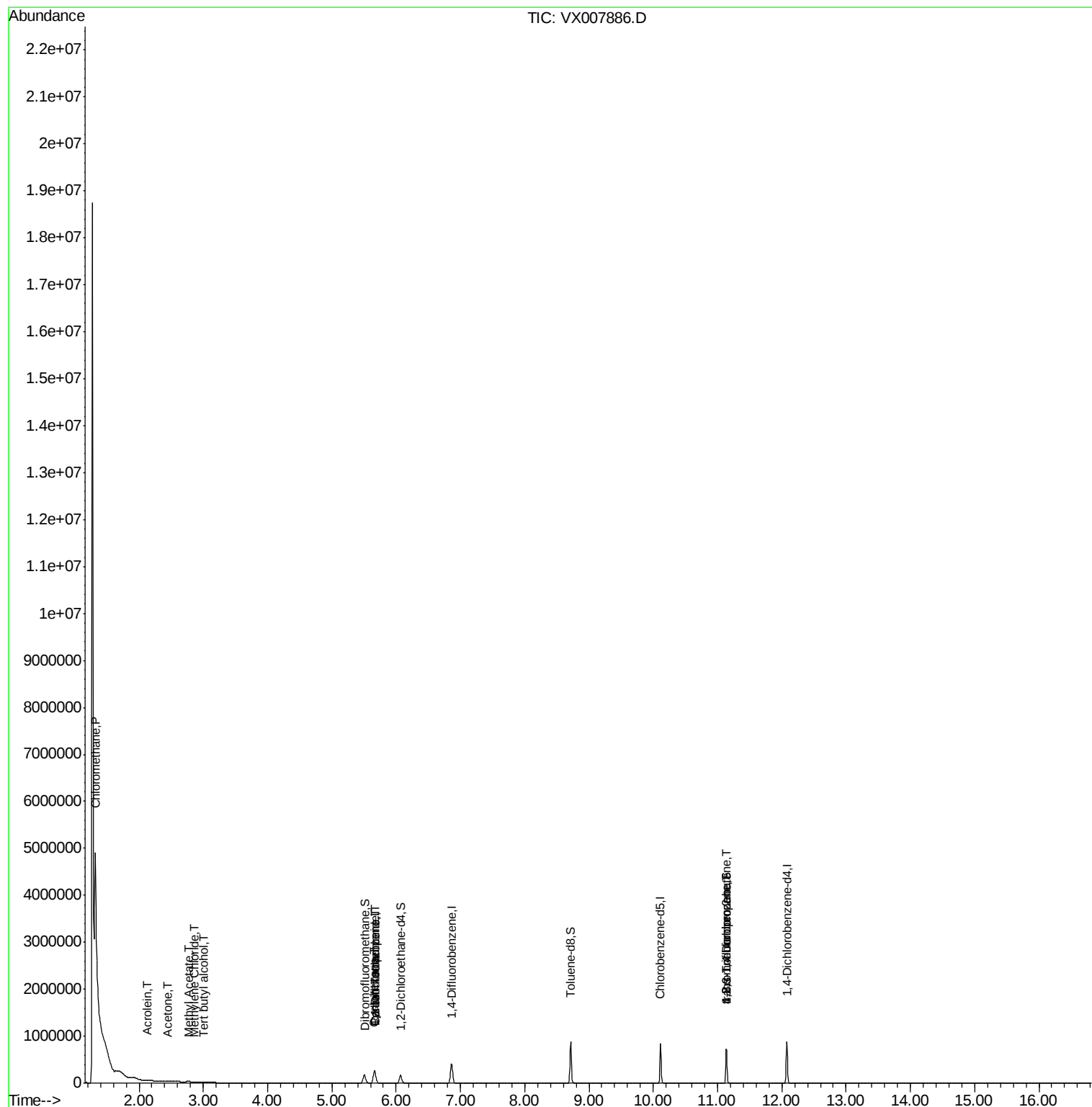
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	313395	101.746	ug/l #	43
5) Bromomethane	1.64	94	355	Below Cal	#	66
11) Tert butyl alcohol	3.01	59	872	1.321	ug/l #	73
13) Acrolein	2.14	56	20	1.595	ug/l #	37
16) Acetone	2.45	43	4094	2.397	ug/l	91
17) Carbon Disulfide	2.58	76	840	Below Cal	#	69
18) Methyl Acetate	2.78	43	986	0.272	ug/l #	77
20) Methylene Chloride	2.86	84	704	0.259	ug/l	90
31) Cyclohexane	5.65	56	4338	0.957	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17265	4.385	ug/l #	49
38) Carbon Tetrachloride	5.66	117	24071	6.440	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	88694	21.274	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	88694	68.004	ug/l #	12

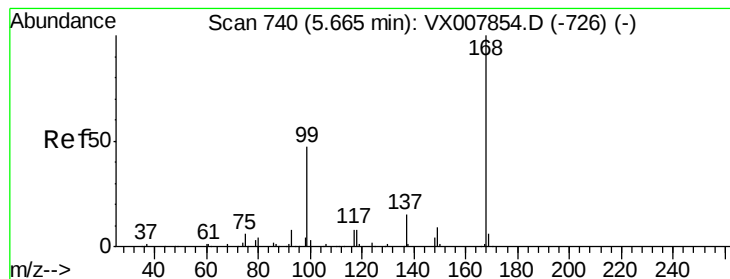
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX030719\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

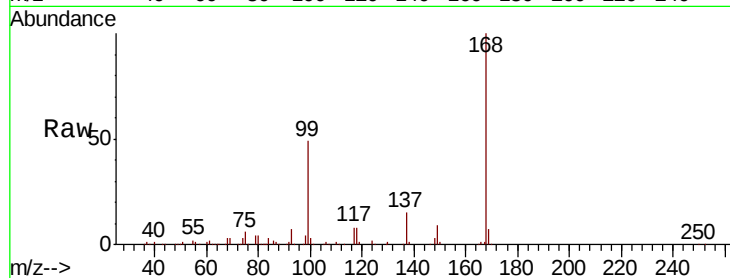
SW-2

Tgt Ion:168 Resp: 279759

Ion Ratio Lower Upper

168 100

99 48.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

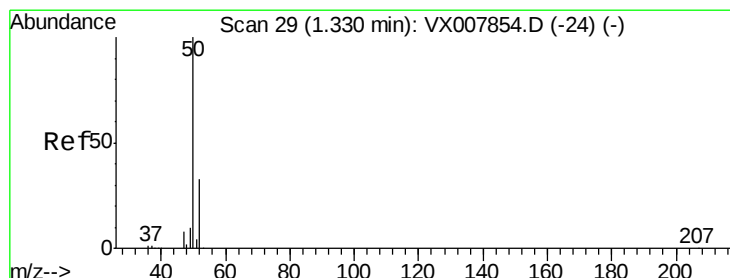
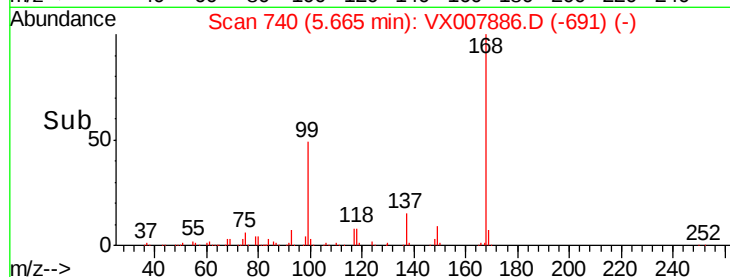
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 101.746 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX007886.D

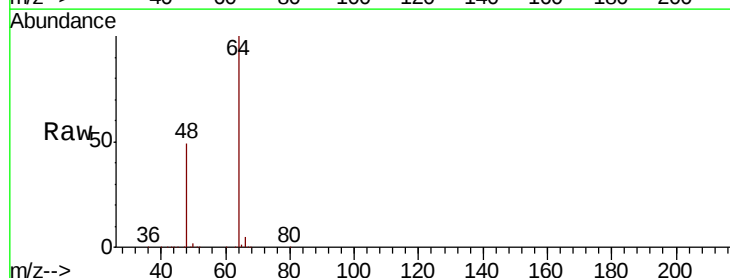
Acq: 07 Mar 2019 16:18

Tgt Ion: 50 Resp: 313395

Ion Ratio Lower Upper

50 100

52 0.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400000

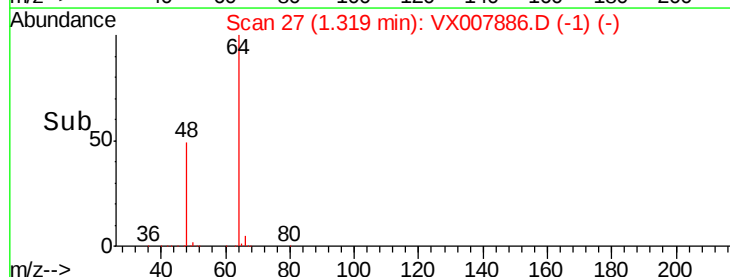
300000

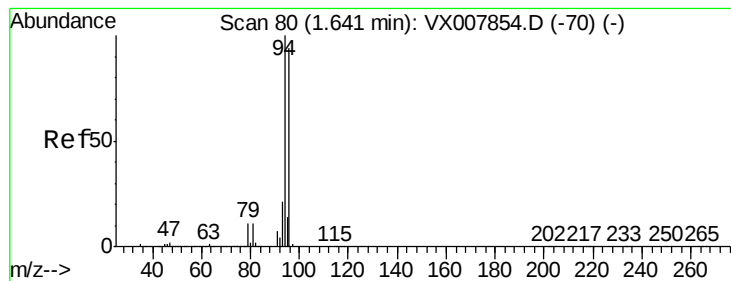
200000

100000

0

Time--> 1.20 1.40 1.60





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

Instrument :

MSVOA_X

ClientSampled :

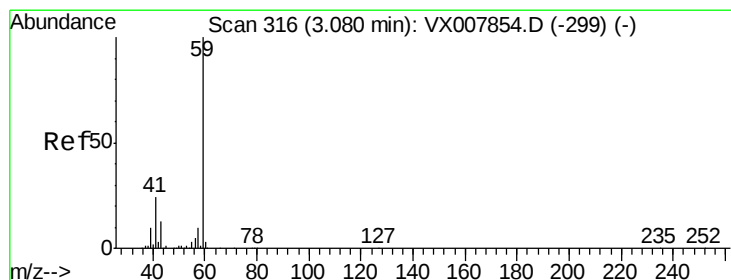
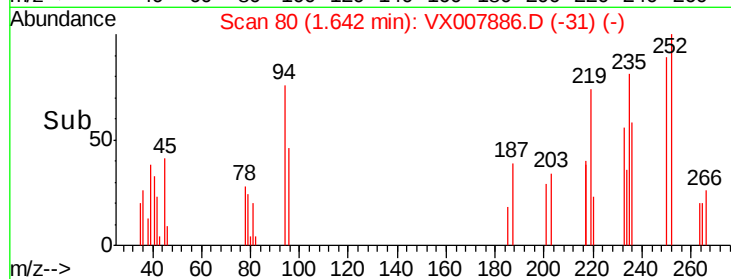
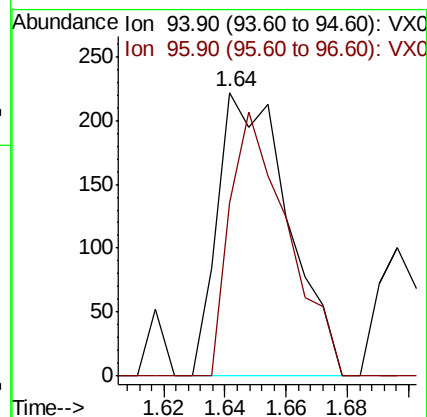
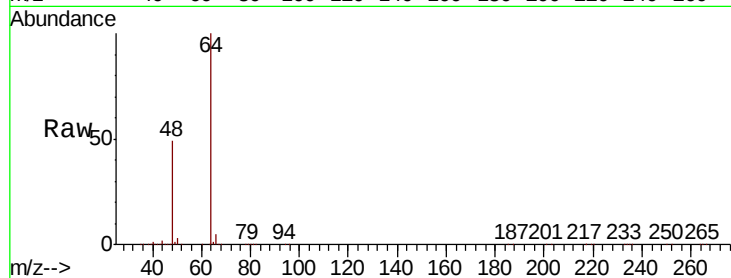
SW-2

Tgt Ion: 94 Resp: 355

Ion Ratio Lower Upper

94 100

96 61.3 75.5 113.3#



#11

Tert butyl alcohol

Concen: 1.321 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.07 min

Lab File: VX007886.D

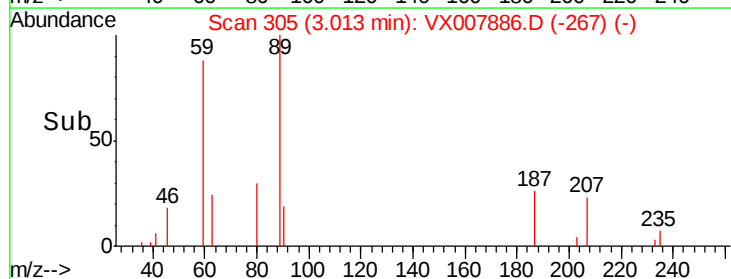
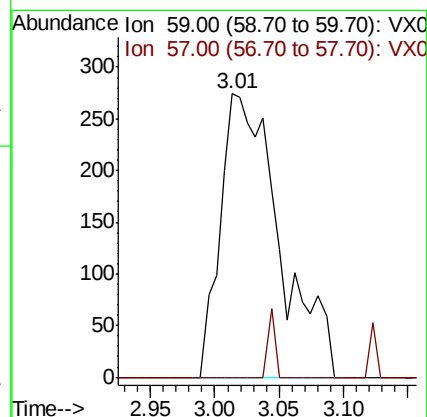
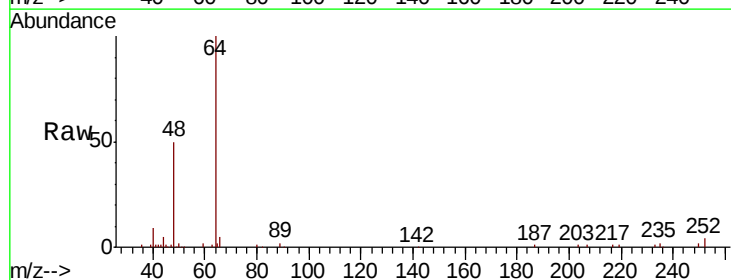
Acq: 07 Mar 2019 16:18

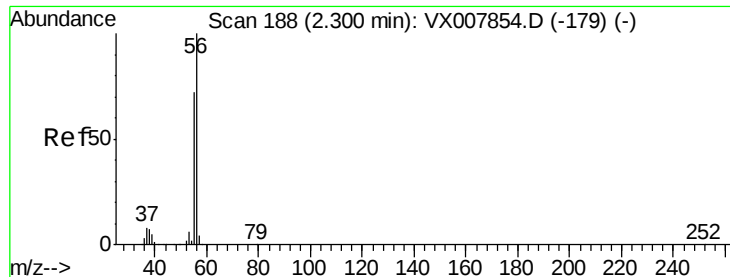
Tgt Ion: 59 Resp: 872

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 1.595 ug/l

RT: 2.14 min Scan# 162

Delta R.T. -0.16 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

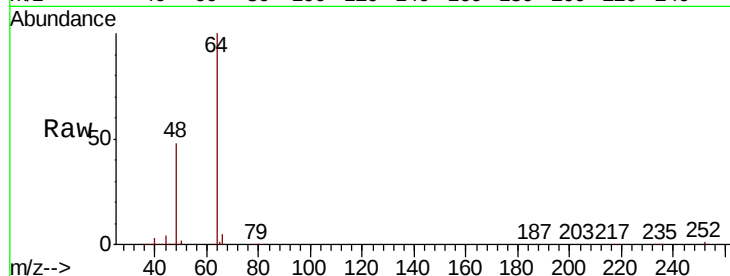
SW-2

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

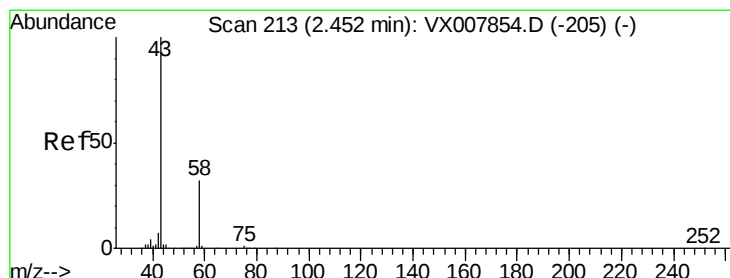
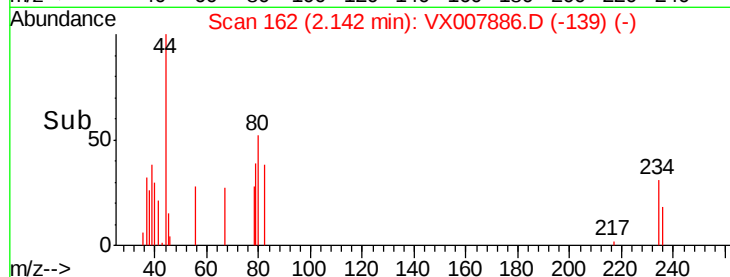
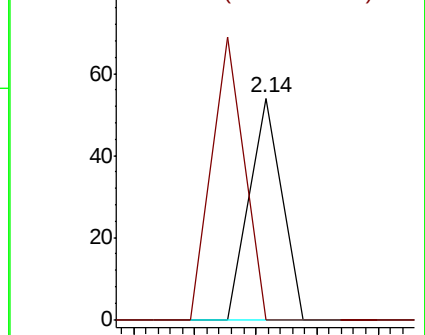
56 100

55 125.0 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.397 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007886.D

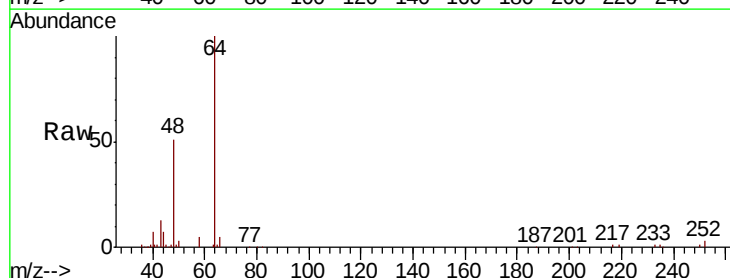
Acq: 07 Mar 2019 16:18

Tgt Ion: 43 Resp: 4094

Ion Ratio Lower Upper

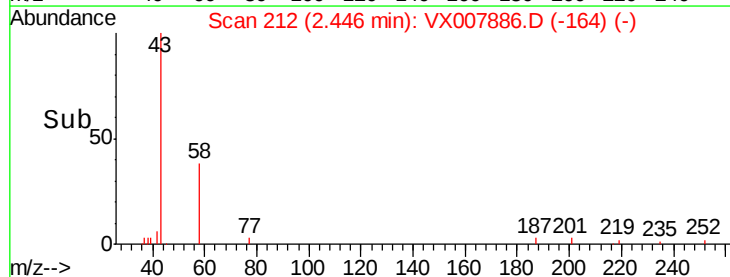
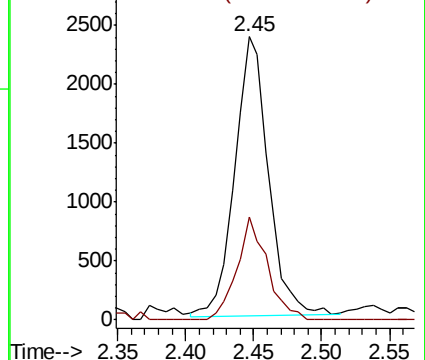
43 100

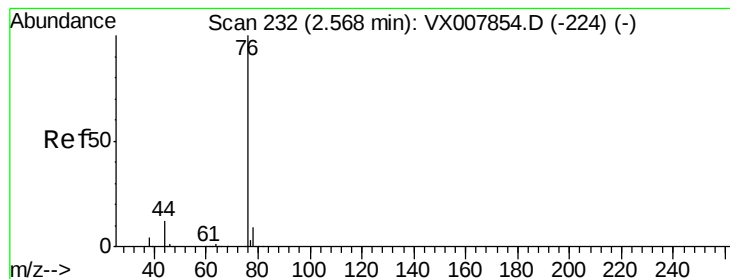
58 37.1 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

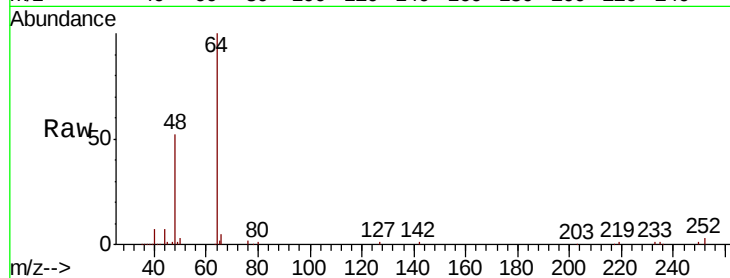
SW-2

Tgt Ion: 76 Resp: 840

Ion Ratio Lower Upper

76 100

78 20.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

400

300

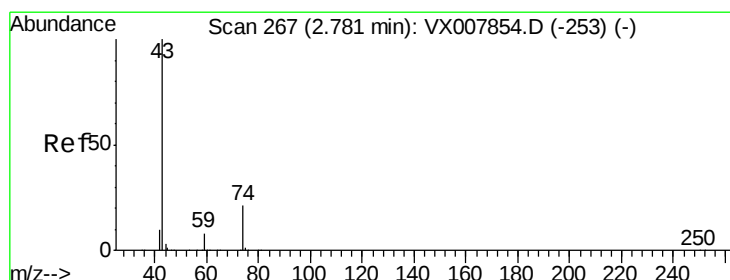
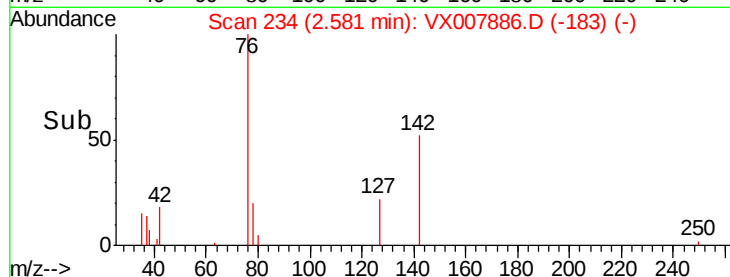
200

100

0

2.50 2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 0.272 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007886.D

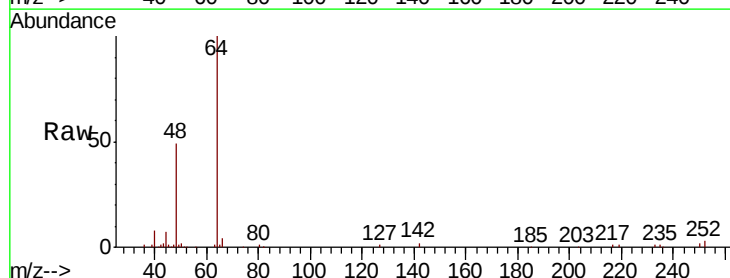
Acq: 07 Mar 2019 16:18

Tgt Ion: 43 Resp: 986

Ion Ratio Lower Upper

43 100

74 11.1 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

400

300

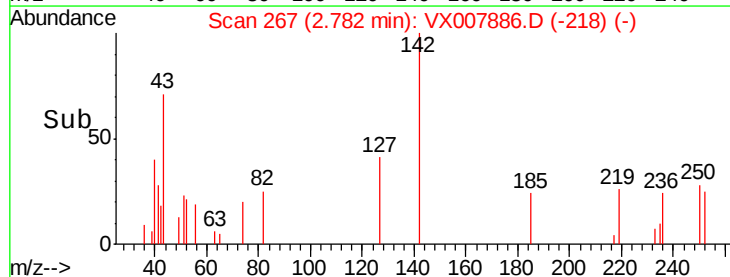
200

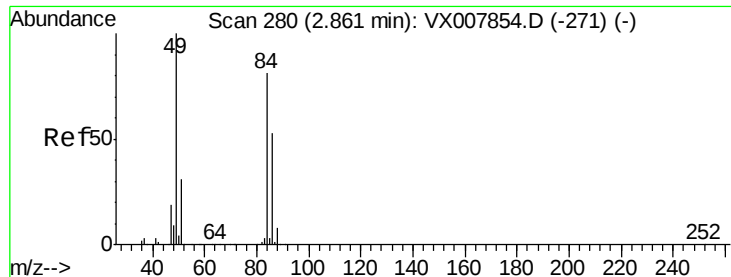
100

0

2.70 2.75 2.80 2.85

Time-->

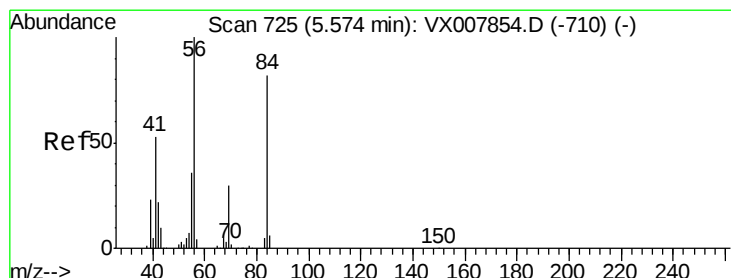
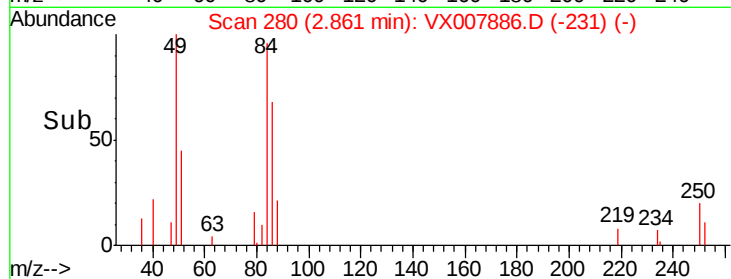
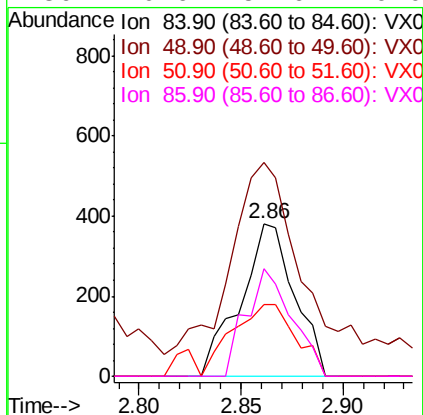
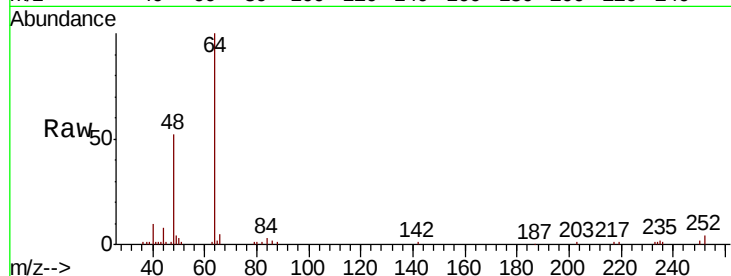




#20
Methylene Chloride
Concen: 0.259 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007886.D
Acq: 07 Mar 2019 16:18

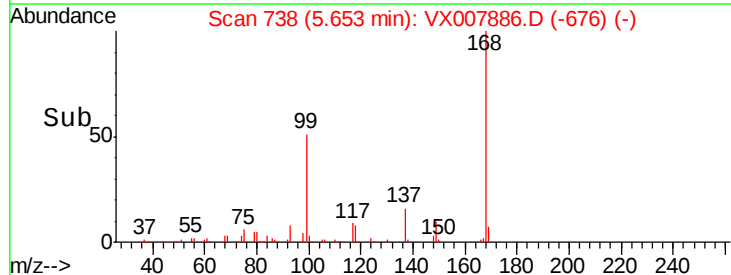
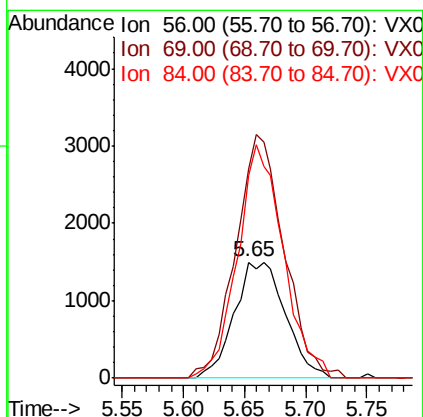
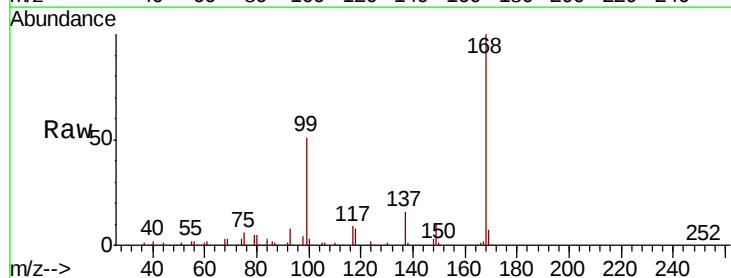
Instrument :
MSVOA_X
ClientSampleId :
SW-2

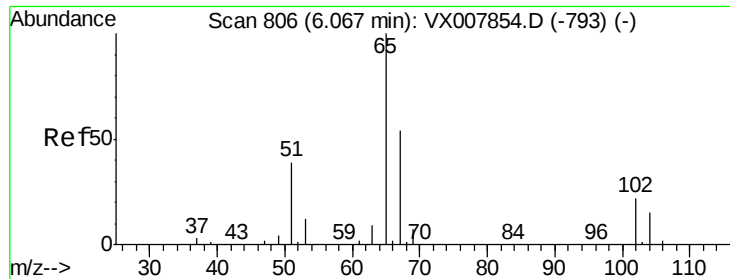
Tgt Ion:	84	Resp:	704
Ion	Ratio	Lower	Upper
84	100		
49	111.0	99.3	148.9
51	46.7	31.3	46.9
86	70.6	52.6	79.0



#31
Cyclohexane
Concen: 0.957 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX007886.D
Acq: 07 Mar 2019 16:18

Tgt Ion:	56	Resp:	4338
Ion	Ratio	Lower	Upper
56	100		
69	180.2	24.0	36.0#
84	174.4	65.3	97.9#

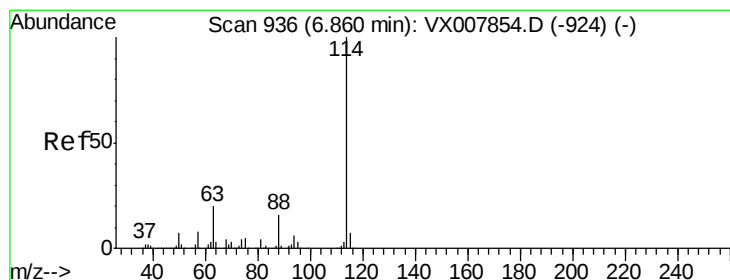
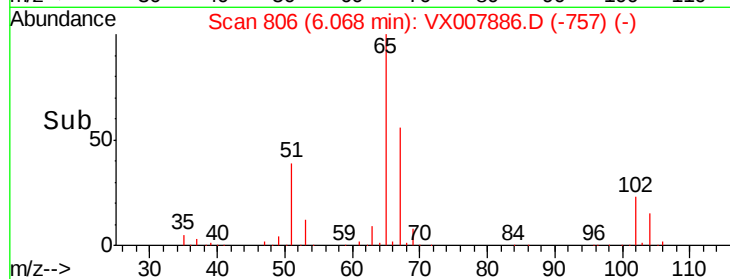
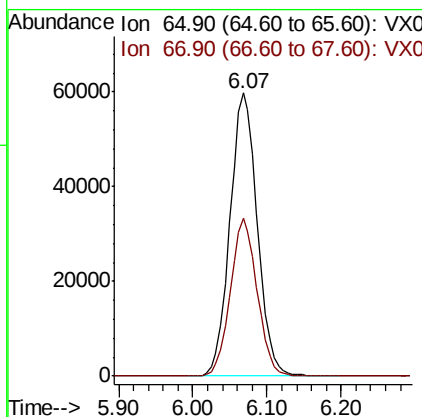
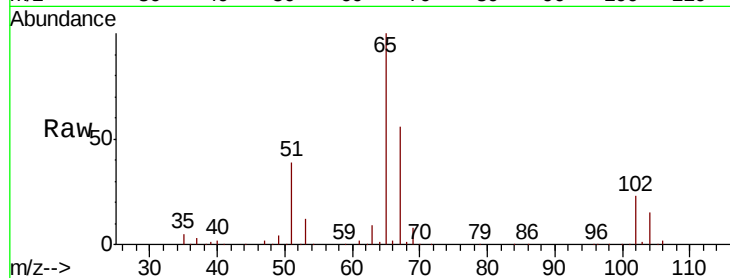




#33
 1,2-Dichloroethane-d4
 Concen: 52.098 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007886.D
 Acq: 07 Mar 2019 16:18

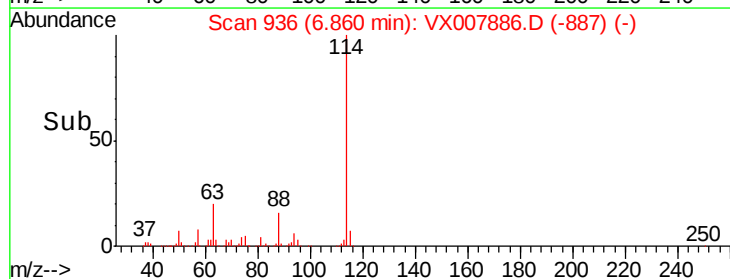
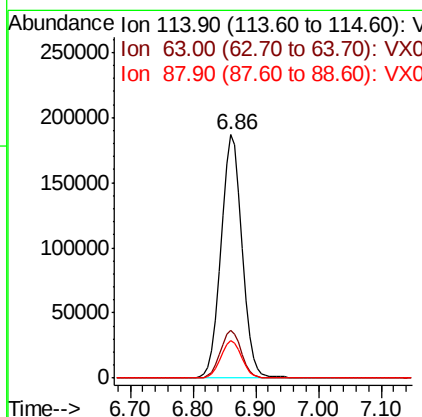
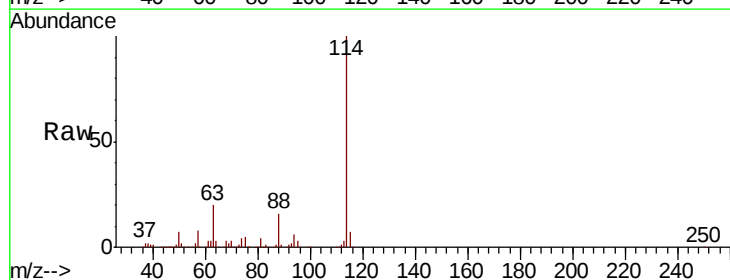
Instrument :
 MSVOA_X
 ClientSampleId :
 SW-2

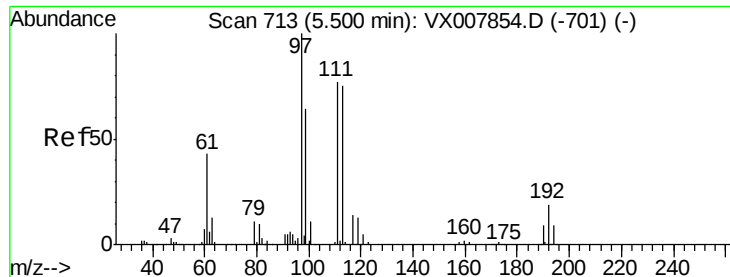
Tgt Ion: 65 Resp: 153750
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007886.D
 Acq: 07 Mar 2019 16:18

Tgt Ion: 114 Resp: 434832
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.941 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

SW-2

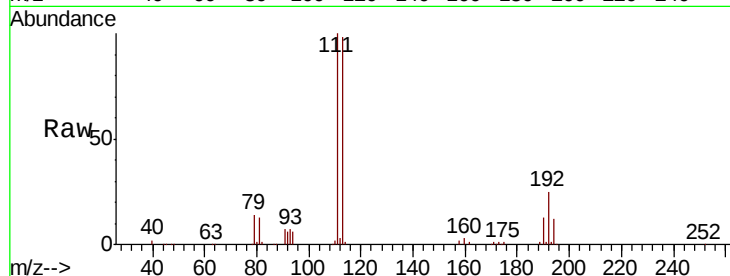
Tgt Ion:113 Resp: 144473

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

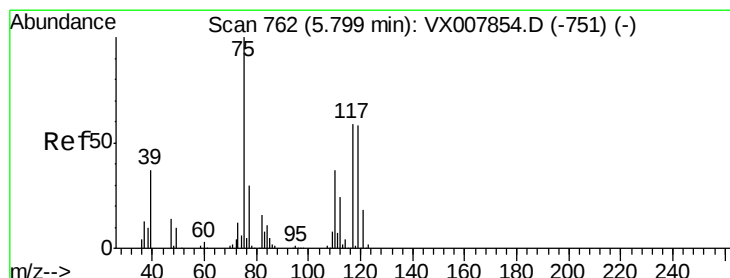
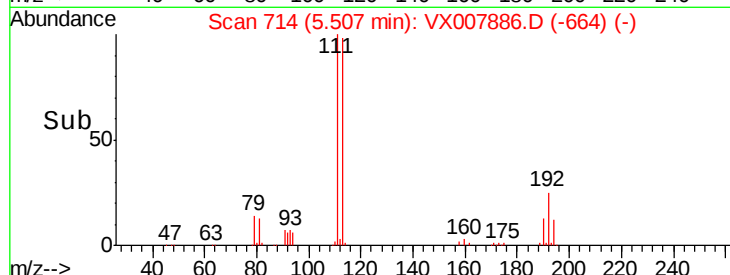
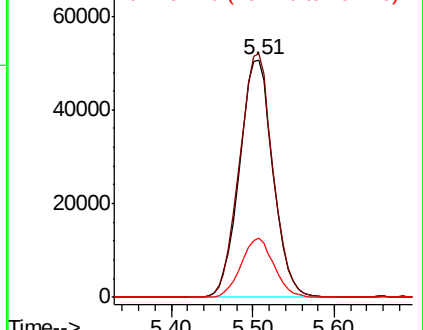
192 24.6 19.4 29.0



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: 4.385 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

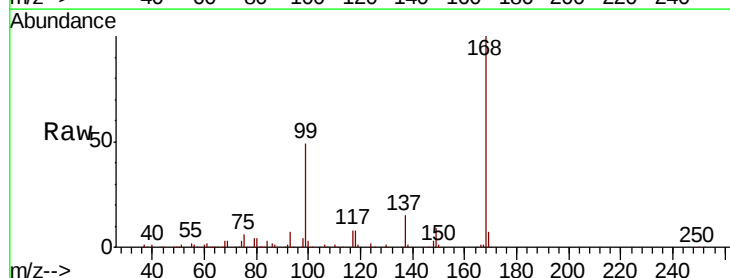
Tgt Ion: 75 Resp: 17265

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.0#

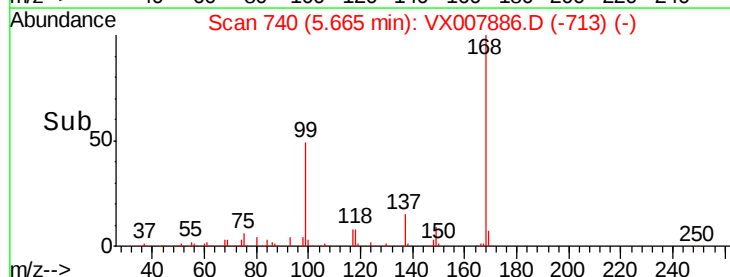
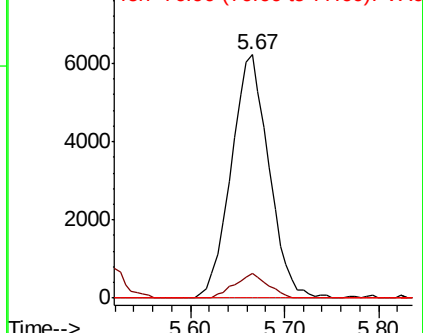
77 0.0 25.0 37.4#

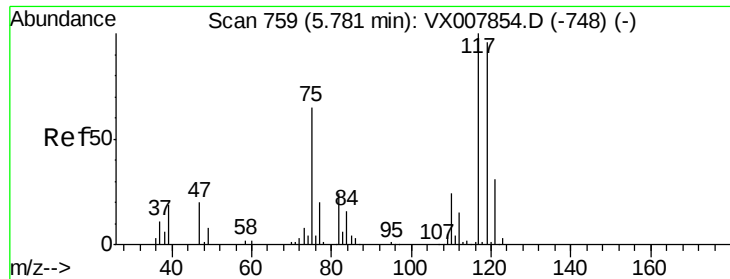


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.440 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

Instrument :

MSVOA_X

ClientSampled :

SW-2

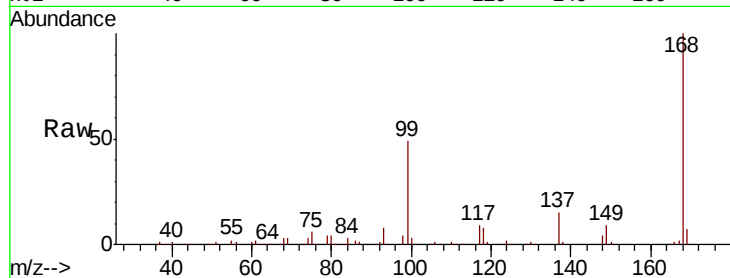
Tgt Ion:117 Resp: 24071

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

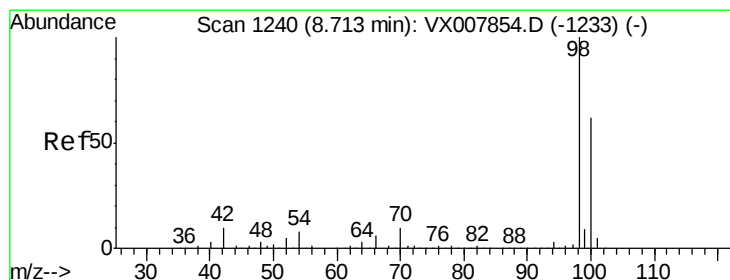
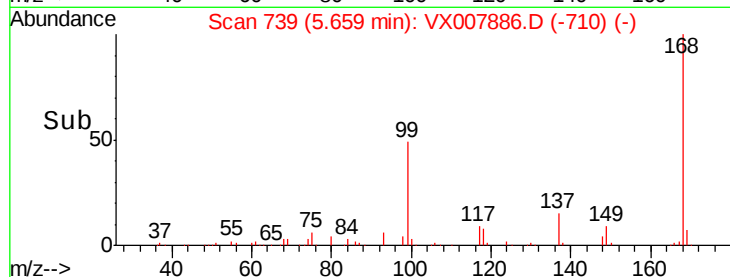
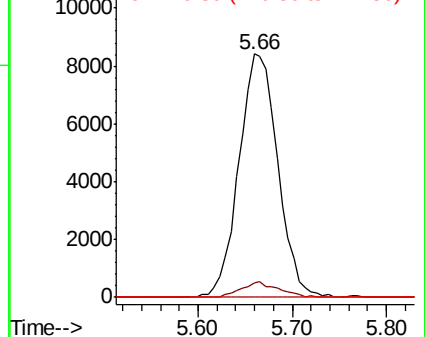
121 0.0 24.6 36.8#



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: 51.635 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007886.D

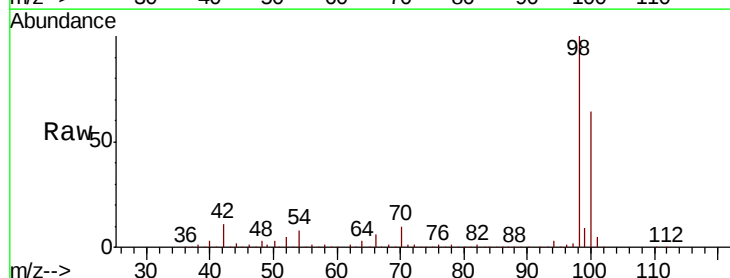
Acq: 07 Mar 2019 16:18

Tgt Ion: 98 Resp: 527459

Ion Ratio Lower Upper

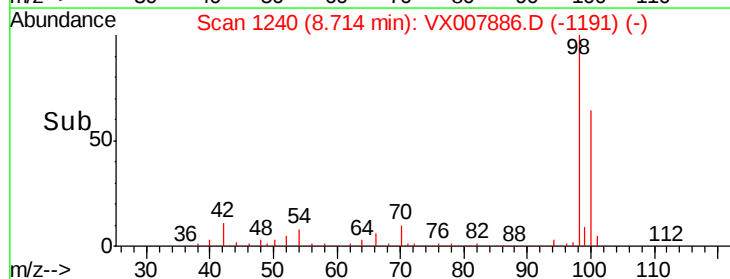
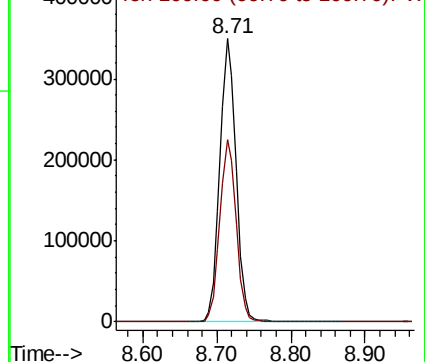
98 100

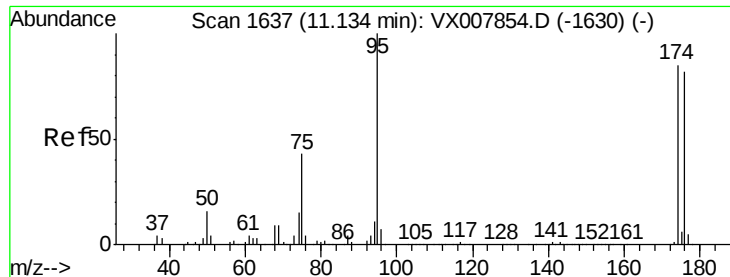
100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.013 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

SW-2

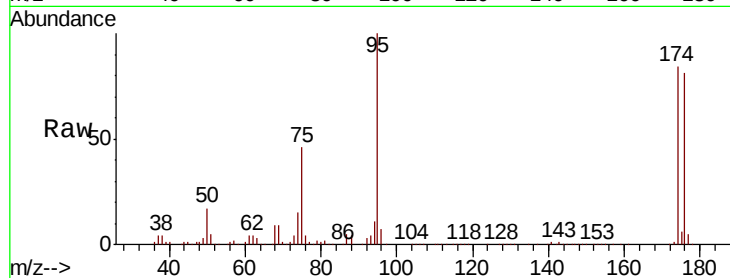
Tgt Ion: 95 Resp: 193446

Ion Ratio Lower Upper

95 100

174 92.6 0.0 182.8

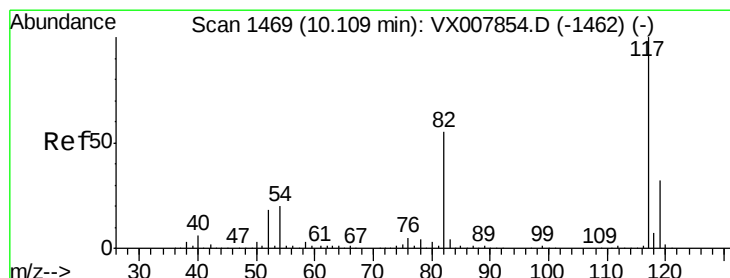
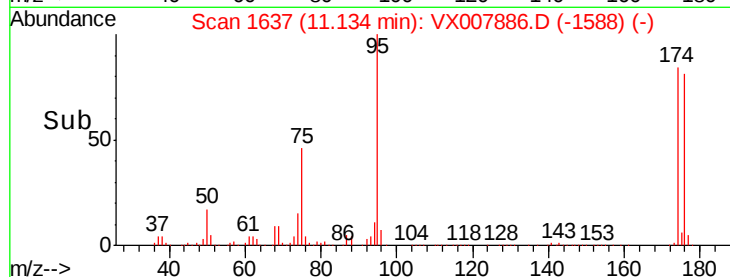
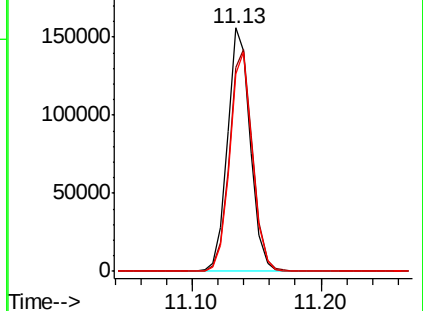
176 89.6 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

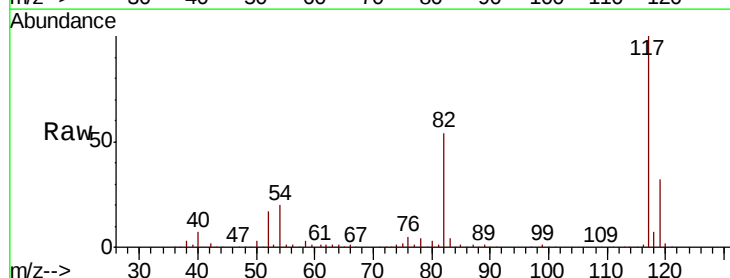
Tgt Ion: 117 Resp: 410962

Ion Ratio Lower Upper

117 100

82 54.3 44.3 66.5

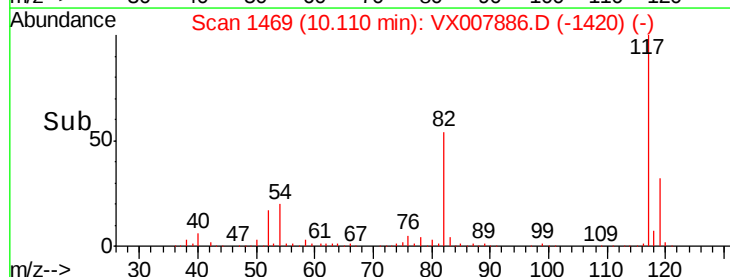
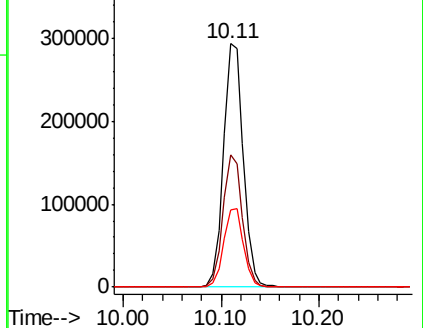
119 31.8 25.3 37.9

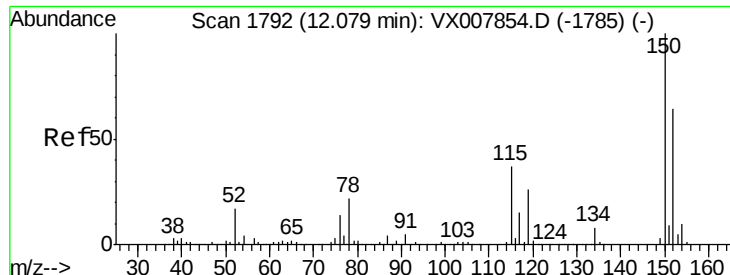


Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

SW-2

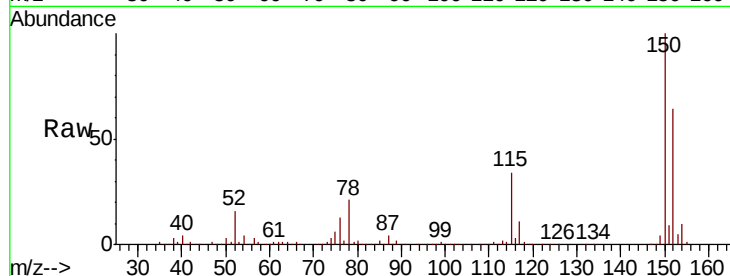
Tgt Ion:152 Resp: 198675

Ion Ratio Lower Upper

152 100

115 54.2 38.6 115.7

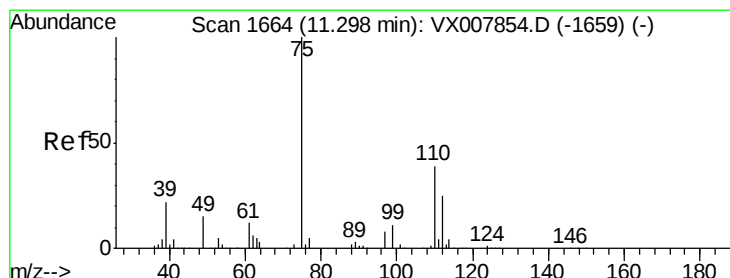
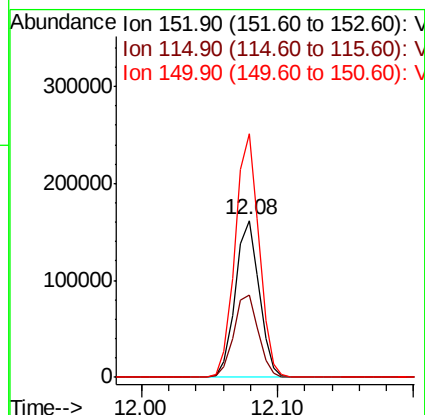
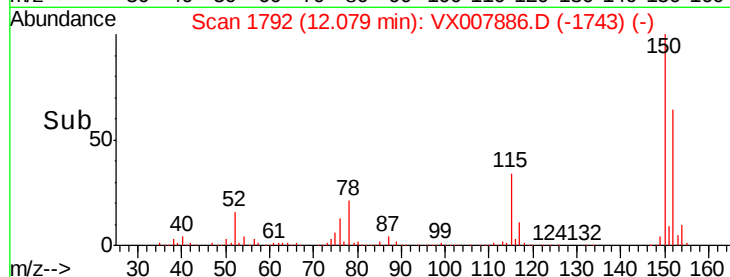
150 155.1 0.0 348.4



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: 21.274 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007886.D

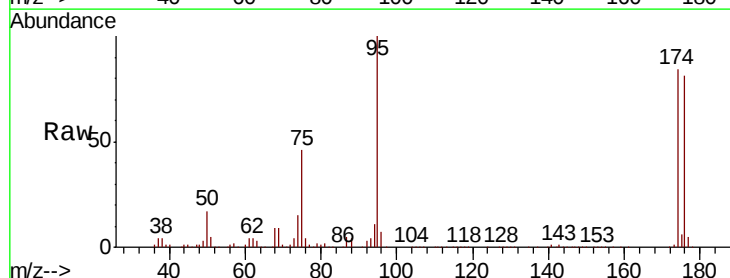
Acq: 07 Mar 2019 16:18

Tgt Ion: 75 Resp: 88694

Ion Ratio Lower Upper

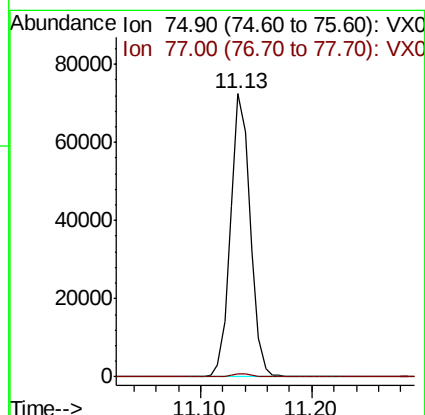
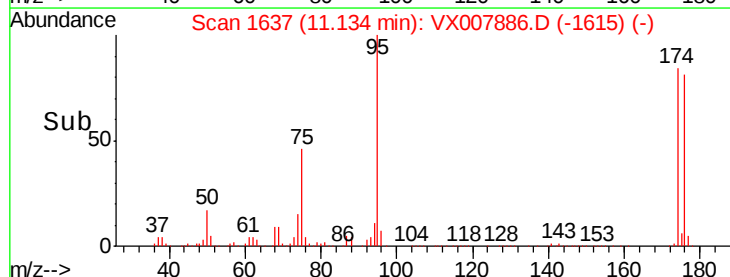
75 100

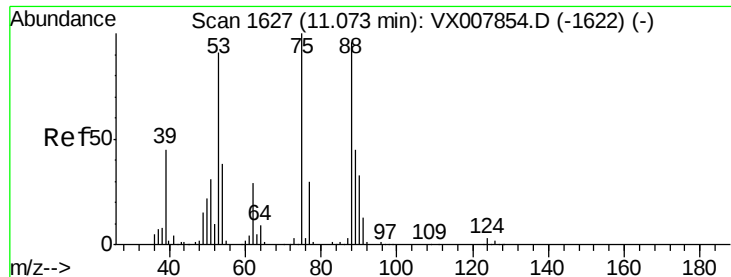
77 1.3 18.9 56.7#



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: 68.004 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007886.D

Acq: 07 Mar 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

SW-2

Tgt Ion: 75 Resp: 88694

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#

