

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030619\
 Data File : VX007866.D
 Acq On : 06 Mar 2019 18:01
 Operator : JC/SP
 Sample : K1781-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190305

Quant Time: Mar 07 07:51:26 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	305409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	475188	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	447962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213326	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	167967	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	5.51	113	155227	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	8.71	98	578613	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	11.13	95	209541	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	

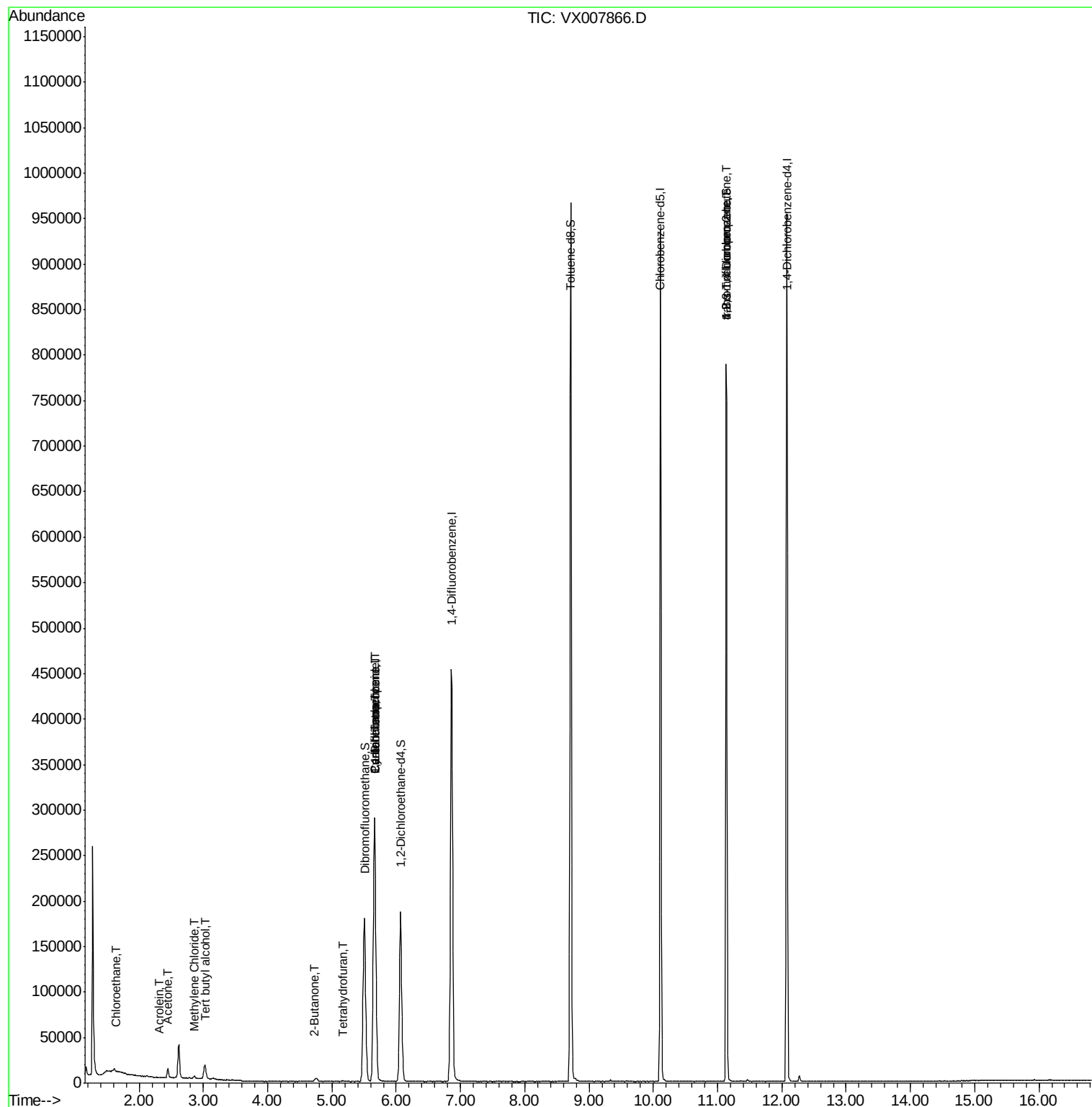
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	271	Below Cal	#	57
6) Chloroethane	1.65	64	3110	1.401	ug/l #	43
11) Tert butyl alcohol	3.03	59	9755	13.539	ug/l #	75
13) Acrolein	2.31	56	50	1.663	ug/l #	66
16) Acetone	2.45	43	10822	5.803	ug/l	99
17) Carbon Disulfide	2.57	76	1109	Below Cal	#	93
20) Methylene Chloride	2.87	84	894	0.301	ug/l	92
25) 2-Butanone	4.71	43	780	0.295	ug/l #	50
29) Tetrahydrofuran	5.17	42	641	0.389	ug/l #	88
31) Cyclohexane	5.67	56	4827	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19222	4.467	ug/l #	49
38) Carbon Tetrachloride	5.66	117	26646	6.523	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	97074	21.685	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	97074	69.317	ug/l #	11

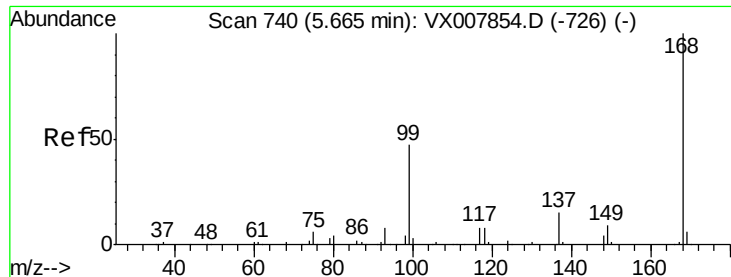
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX030619\
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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: VX007866.D

Acq: 06 Mar 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

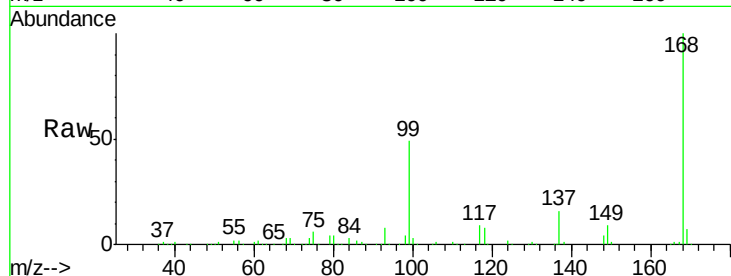
TB-01-190305

Tgt Ion:168 Resp: 305409

Ion Ratio Lower Upper

168 100

99 48.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

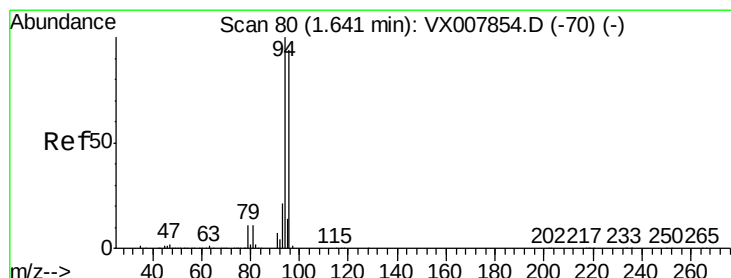
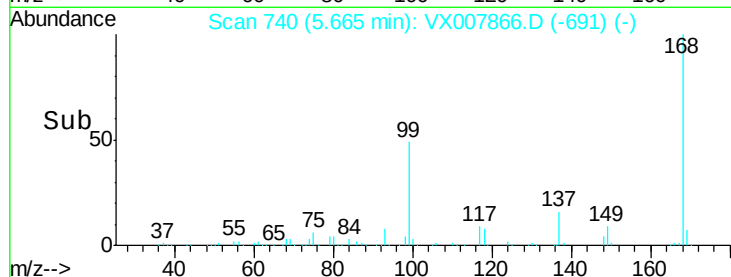
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007866.D

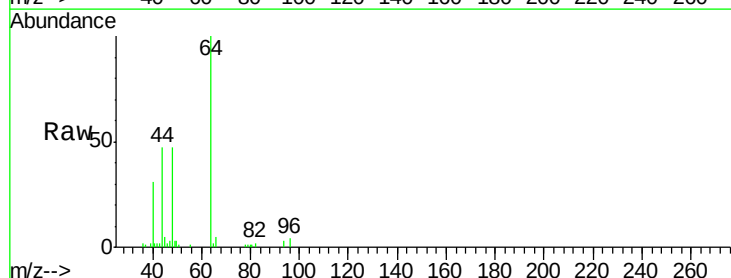
Acq: 06 Mar 2019 18:01

Tgt Ion: 94 Resp: 271

Ion Ratio Lower Upper

94 100

96 136.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

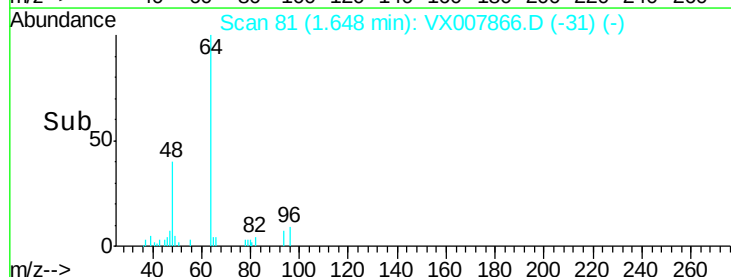
150

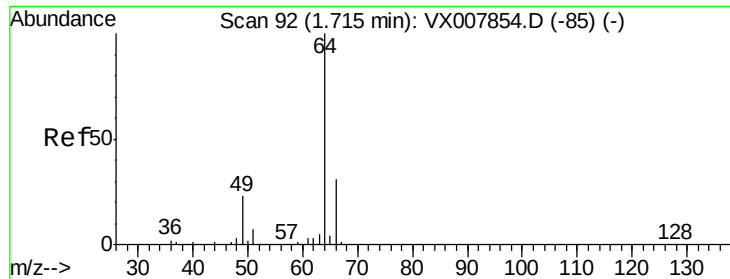
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 1.401 ug/l

RT: 1.65 min Scan# 81

Delta R.T. -0.07 min

Lab File: VX007866.D

Acq: 06 Mar 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

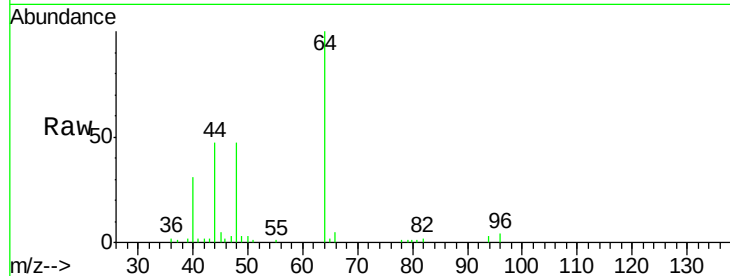
TB-01-190305

Tgt Ion: 64 Resp: 3110

Ion Ratio Lower Upper

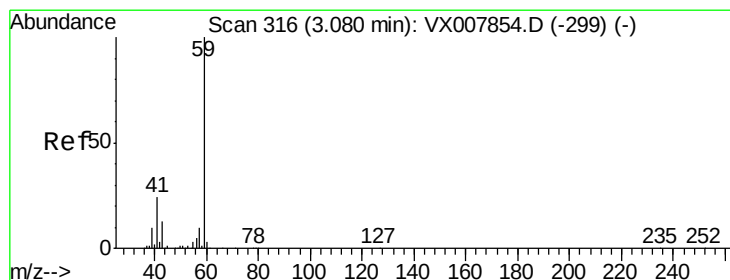
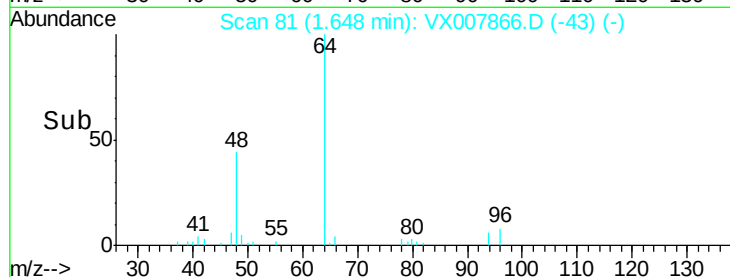
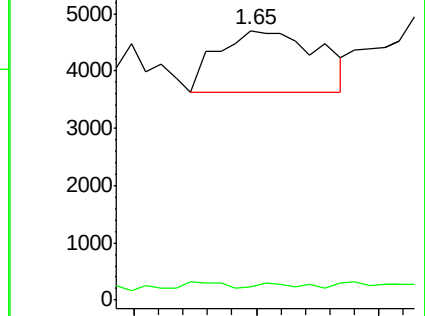
64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 13.539 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007866.D

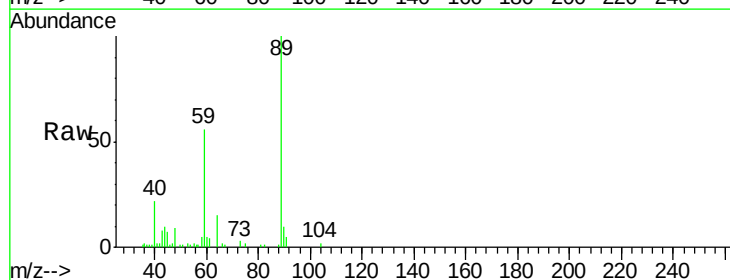
Acq: 06 Mar 2019 18:01

Tgt Ion: 59 Resp: 9755

Ion Ratio Lower Upper

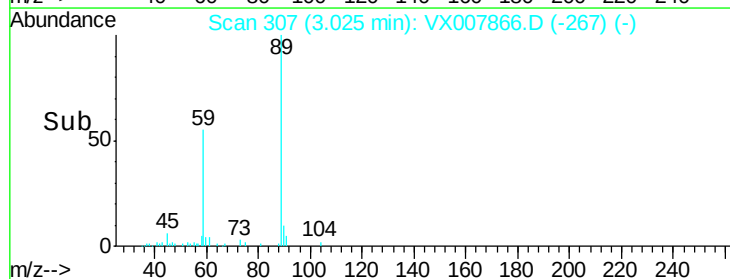
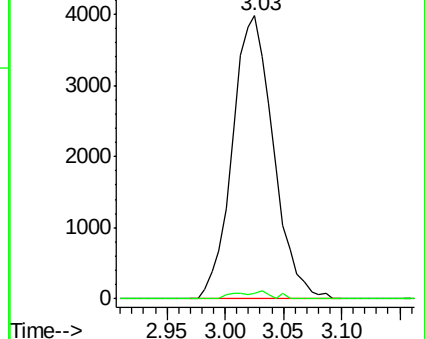
59 100

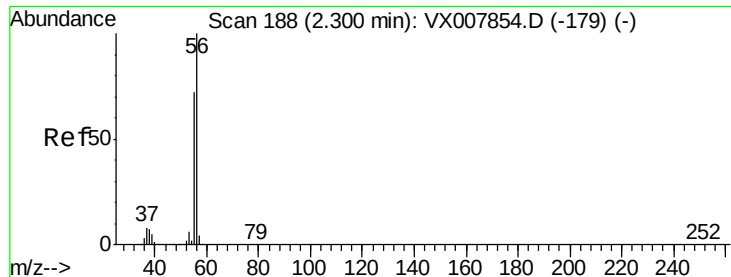
57 1.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.663 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007866.D

Acq: 06 Mar 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

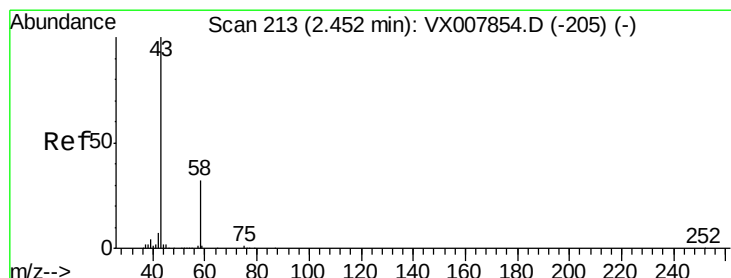
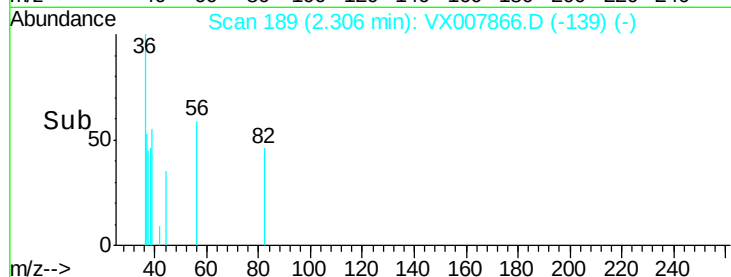
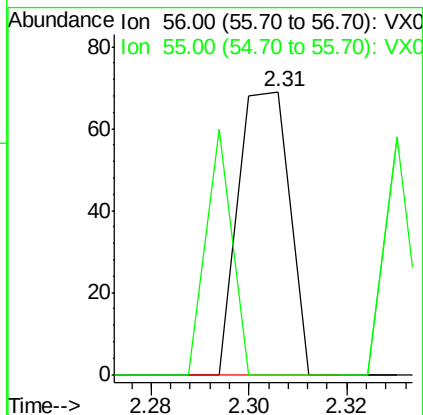
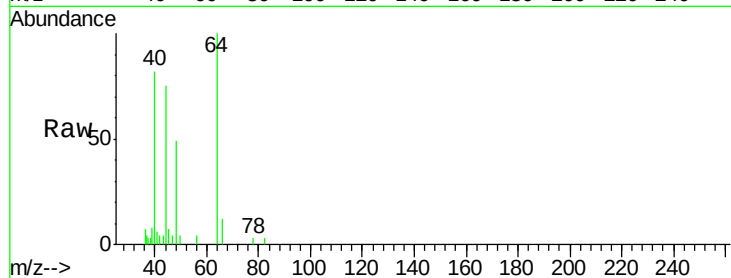
TB-01-190305

Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

56 100

55 44.0 57.8 86.6#



#16

Acetone

Concen: 5.803 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007866.D

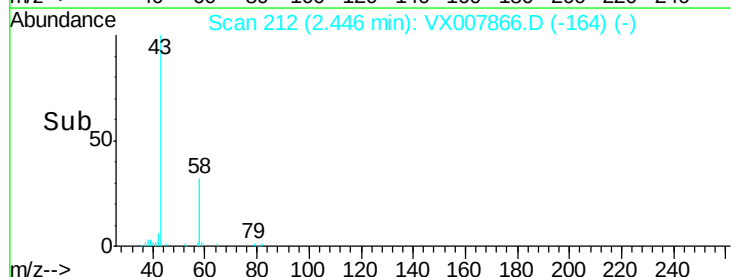
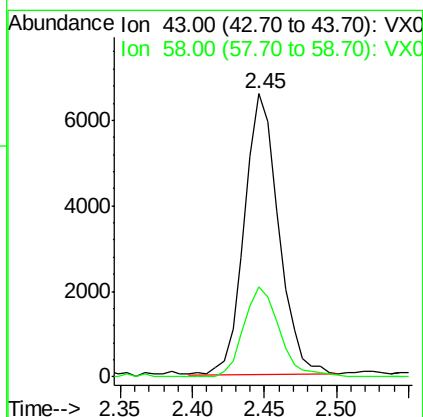
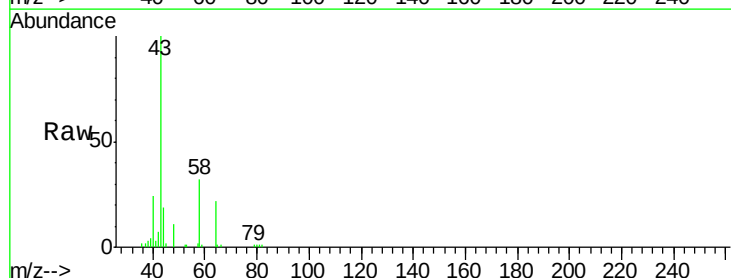
Acq: 06 Mar 2019 18:01

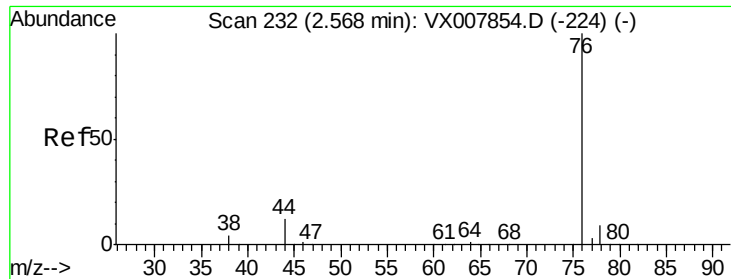
Tgt Ion: 43 Resp: 10822

Ion Ratio Lower Upper

43 100

58 32.4 25.5 38.3

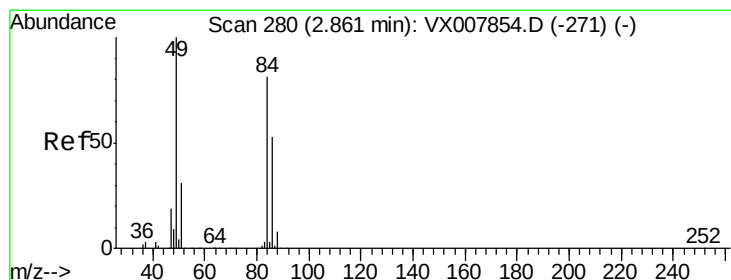
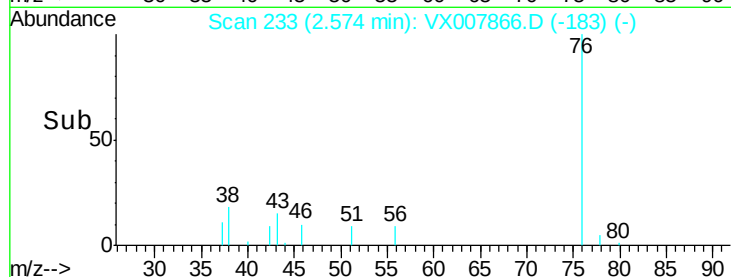
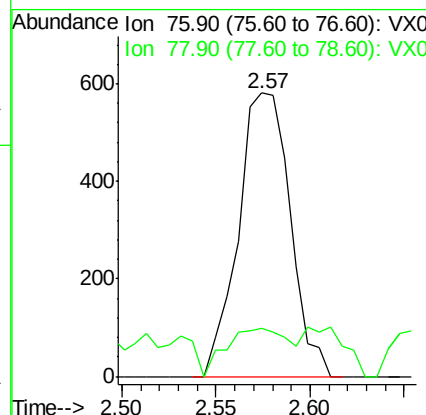
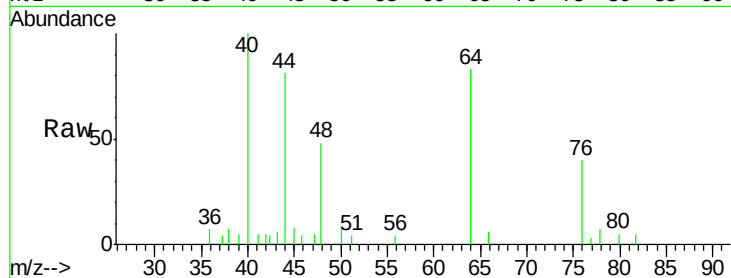




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007866.D
Acq: 06 Mar 2019 18:01

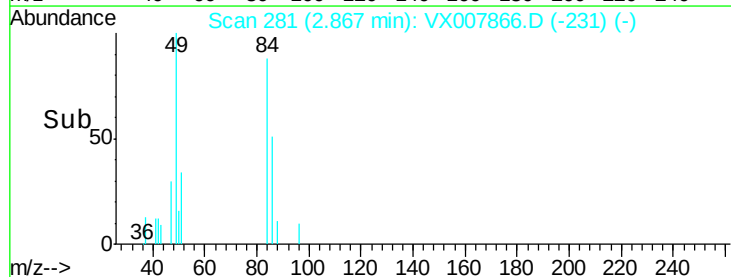
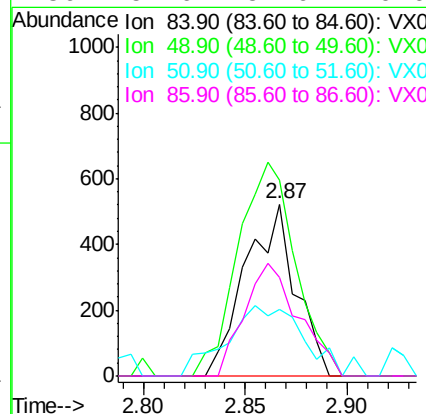
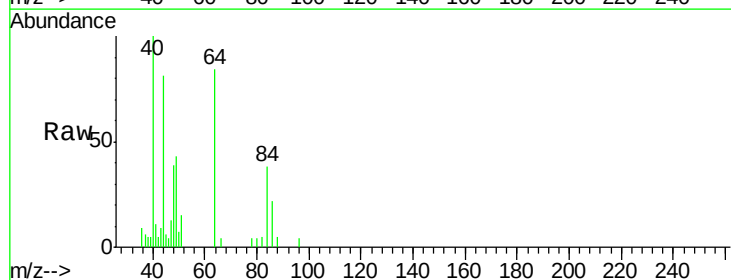
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190305

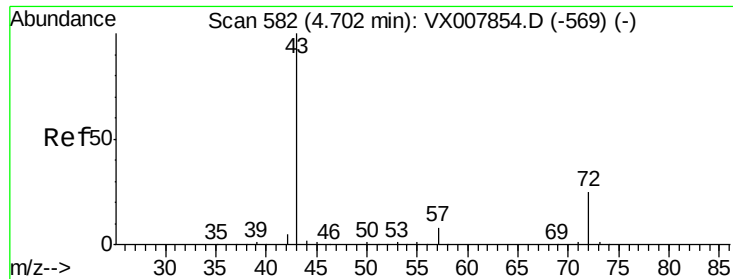
Tgt Ion: 76 Resp: 1109
Ion Ratio Lower Upper
76 100
78 6.4 7.2 10.8#



#20
Methylene Chloride
Concen: 0.301 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX007866.D
Acq: 06 Mar 2019 18:01

Tgt Ion: 84 Resp: 894
Ion Ratio Lower Upper
84 100
49 113.8 99.3 148.9
51 38.8 31.3 46.9
86 57.6 52.6 79.0





#25

2-Butanone

Concen: 0.295 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX007866.D

Acq: 06 Mar 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

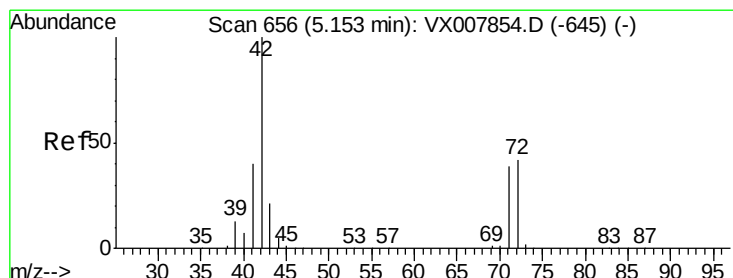
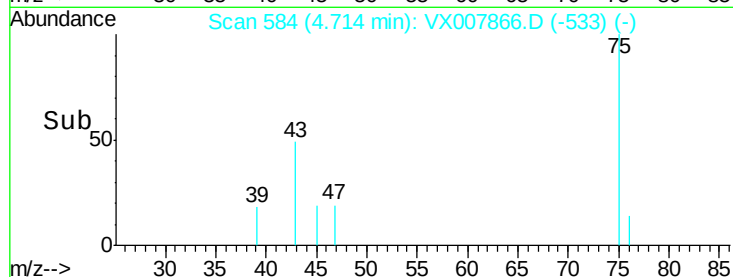
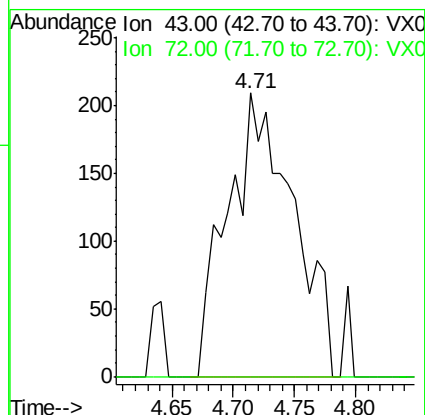
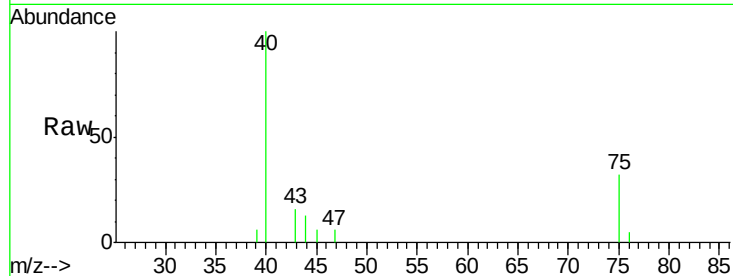
TB-01-190305

Tgt Ion: 43 Resp: 780

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#29

Tetrahydrofuran

Concen: 0.389 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX007866.D

Acq: 06 Mar 2019 18:01

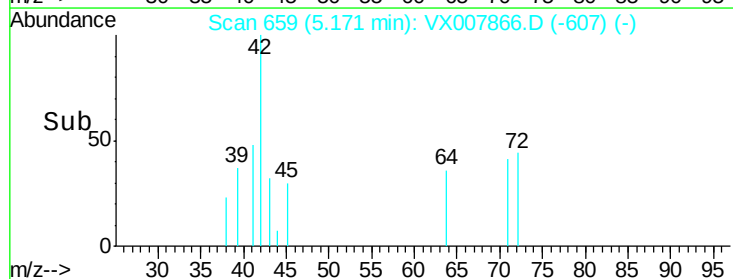
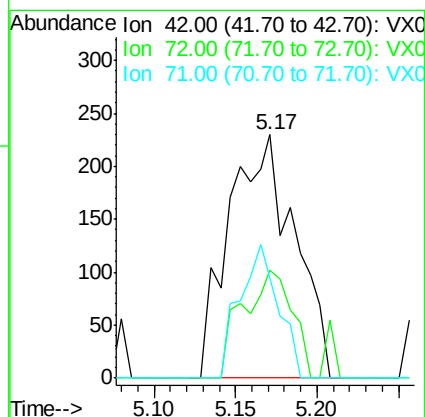
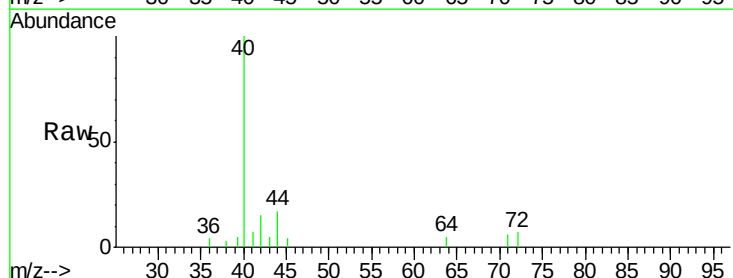
Tgt Ion: 42 Resp: 641

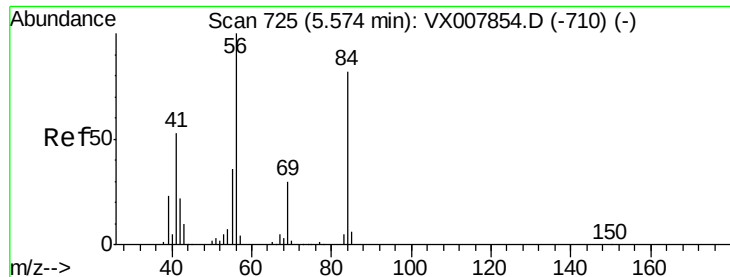
Ion Ratio Lower Upper

42 100

72 33.5 33.8 50.6#

71 32.6 31.5 47.3

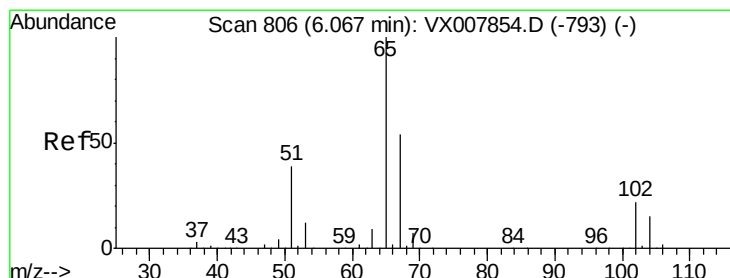
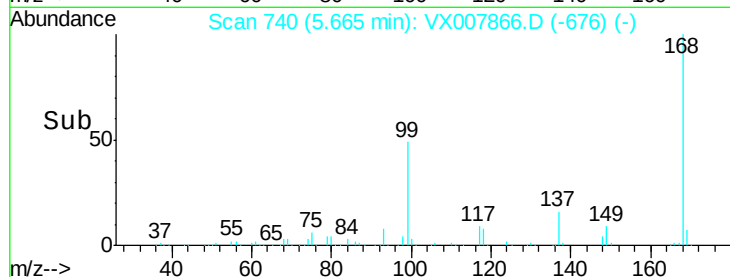
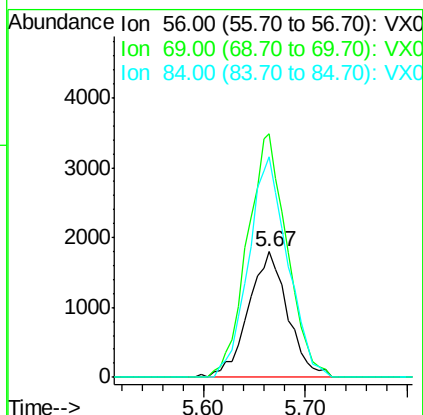
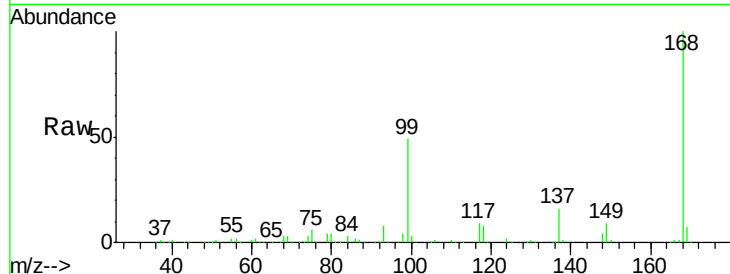




#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007866.D
Acq: 06 Mar 2019 18:01

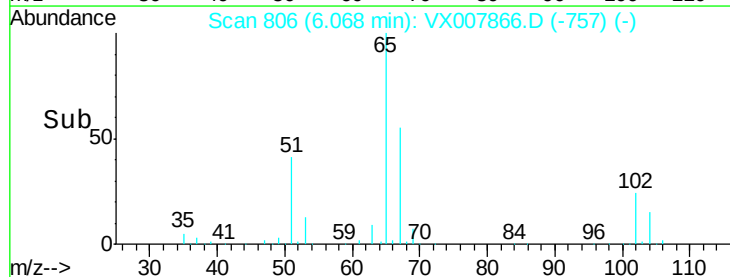
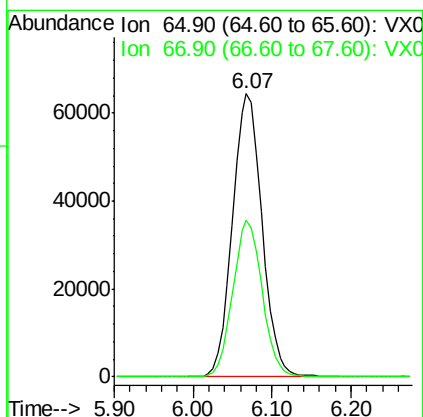
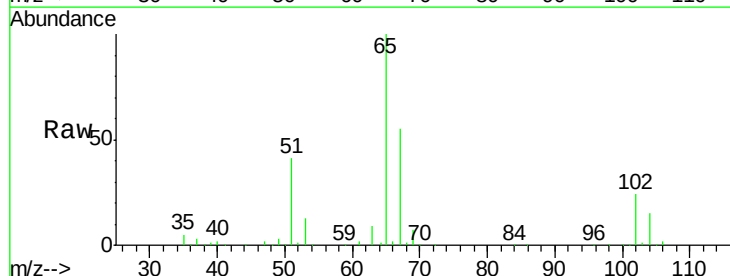
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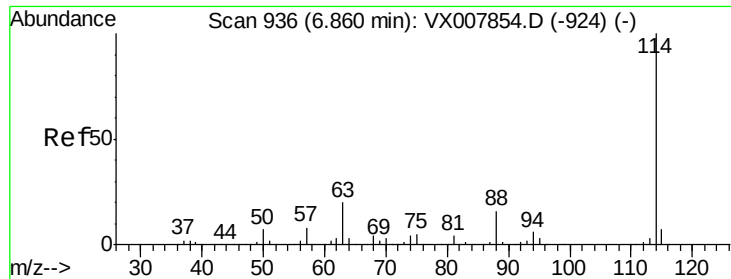
Tgt Ion: 56 Resp: 4827
Ion Ratio Lower Upper
56 100
69 193.8 24.0 36.0#
84 175.5 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 52.135 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007866.D
Acq: 06 Mar 2019 18:01

Tgt Ion: 65 Resp: 167967
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.0

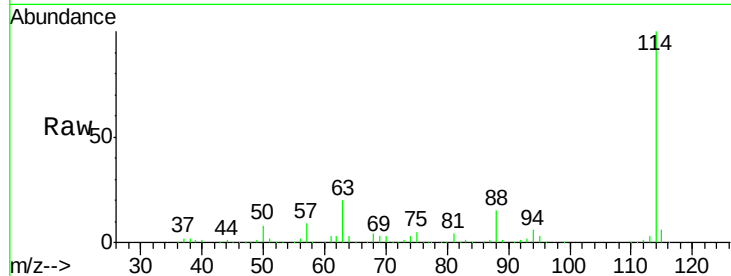




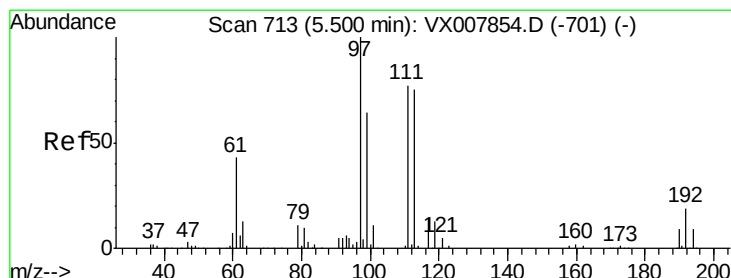
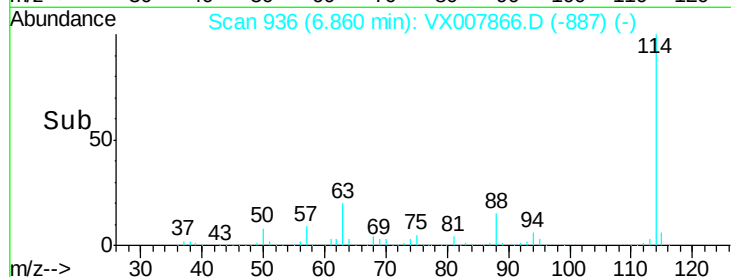
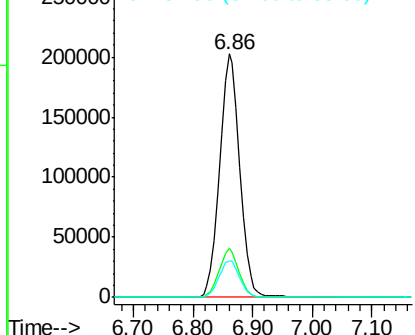
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007866.D
Acq: 06 Mar 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
TB-01-190305

Tgt Ion:114 Resp: 475188
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.8
88 15.1 0.0 31.4

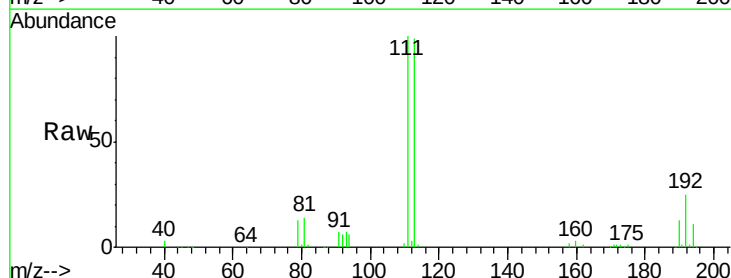


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

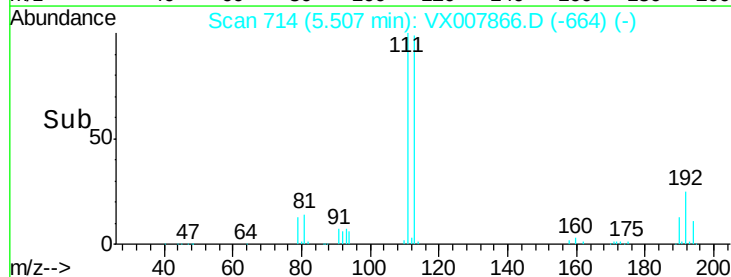
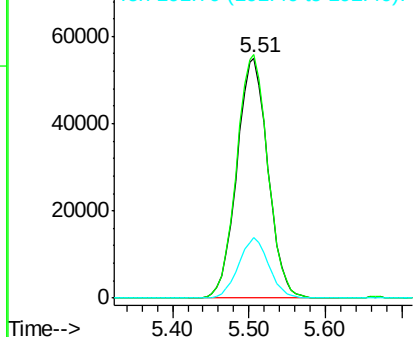


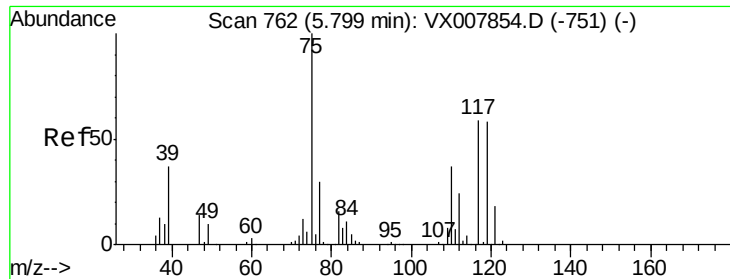
#35
Dibromofluoromethane
Concen: 51.068 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX007866.D
Acq: 06 Mar 2019 18:01

Tgt Ion:113 Resp: 155227
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.0
192 24.5 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

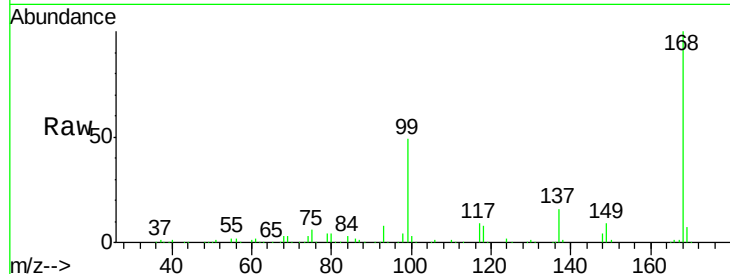




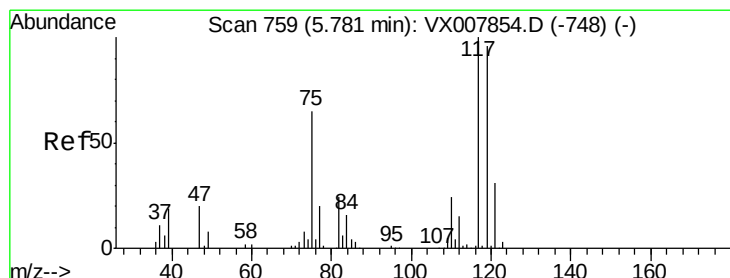
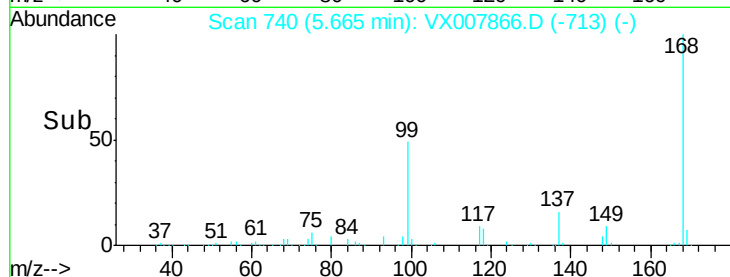
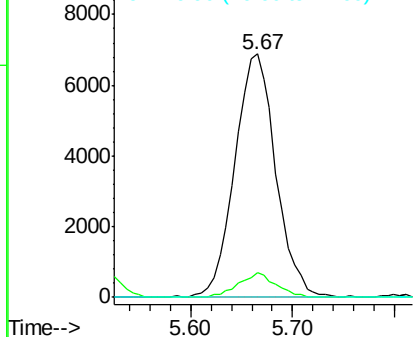
#36
 1,1-Dichloropropene
 Concen: 4.467 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007866.D
 Acq: 06 Mar 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190305

Tgt Ion: 75 Resp: 19222
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.4 55.0#
 77 0.0 25.0 37.4#

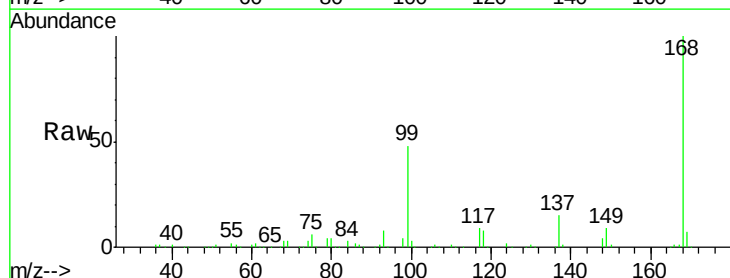


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

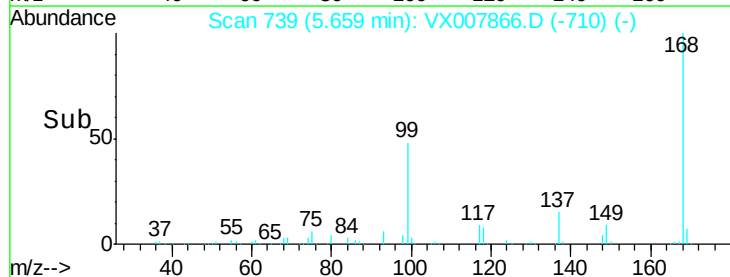
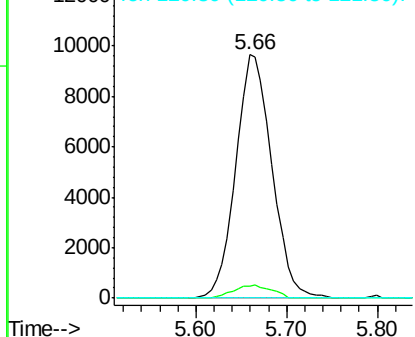


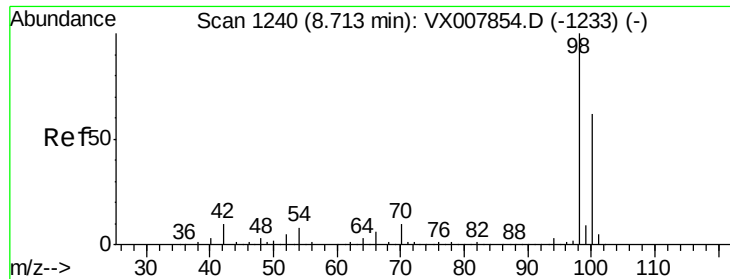
#38
 Carbon Tetrachloride
 Concen: 6.523 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX007866.D
 Acq: 06 Mar 2019 18:01

Tgt Ion: 117 Resp: 26646
 Ion Ratio Lower Upper
 117 100
 119 4.8 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: 51.832 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007866.D

Acq: 06 Mar 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

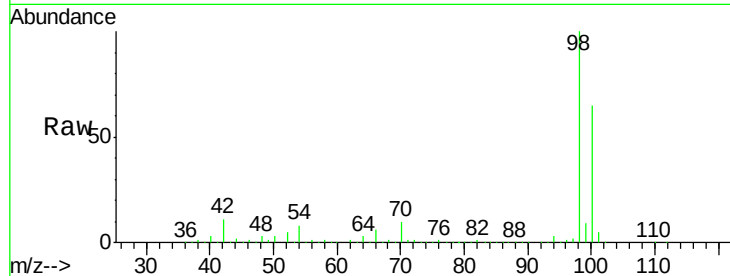
TB-01-190305

Tgt Ion: 98 Resp: 578613

Ion Ratio Lower Upper

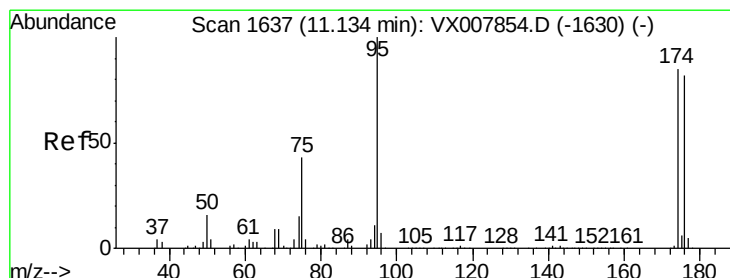
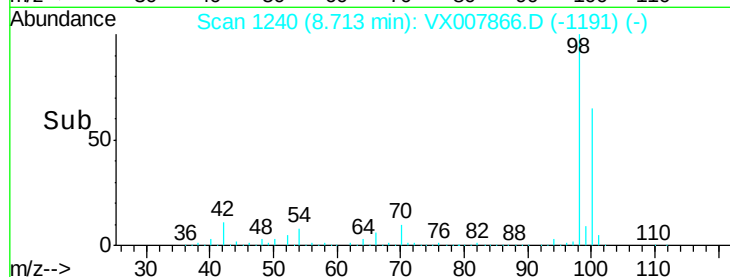
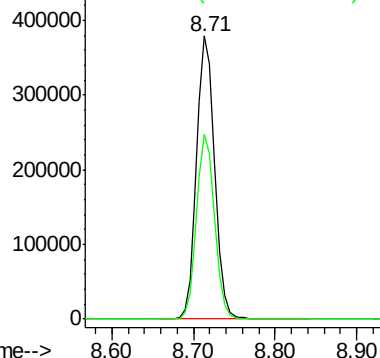
98 100

100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 53.539 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007866.D

Acq: 06 Mar 2019 18:01

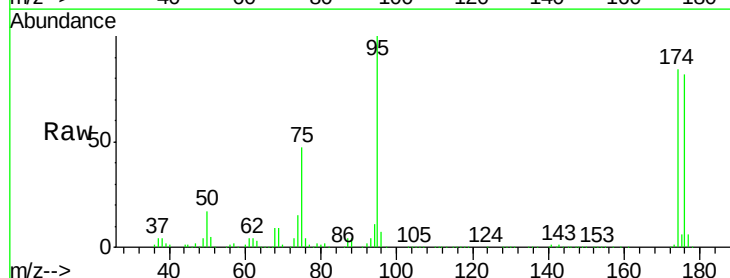
Tgt Ion: 95 Resp: 209541

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.8

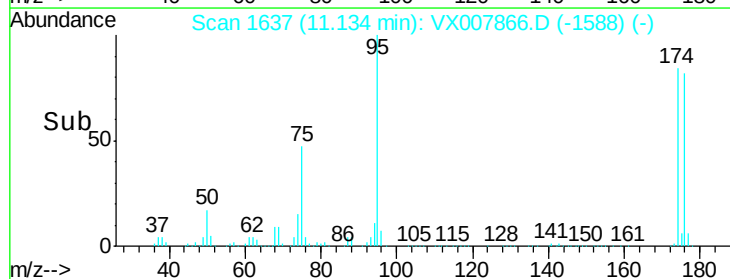
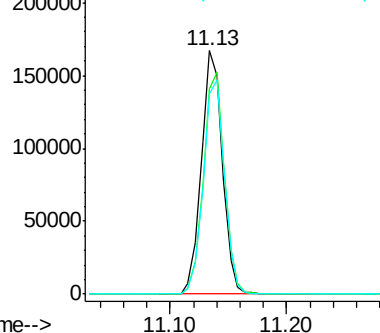
176 89.4 0.0 178.0

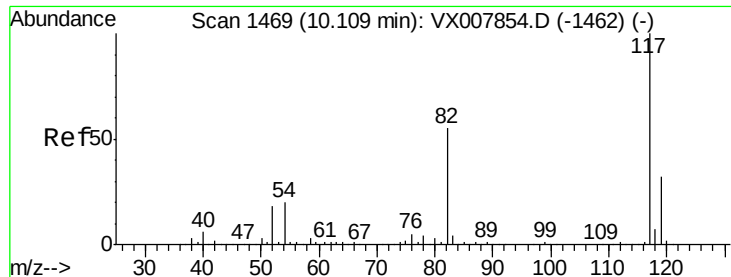


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

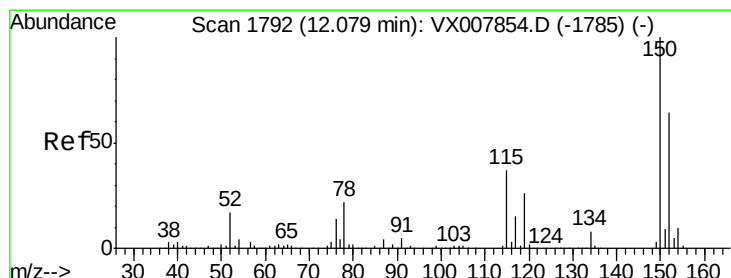
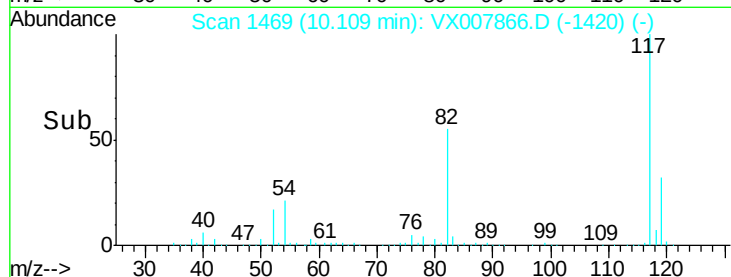
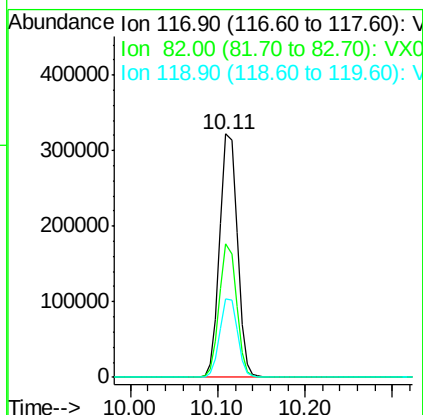
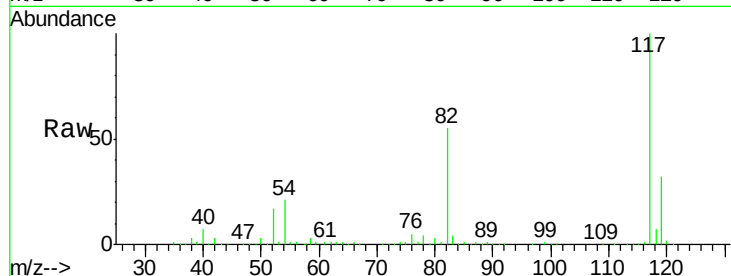




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007866.D
Acq: 06 Mar 2019 18:01

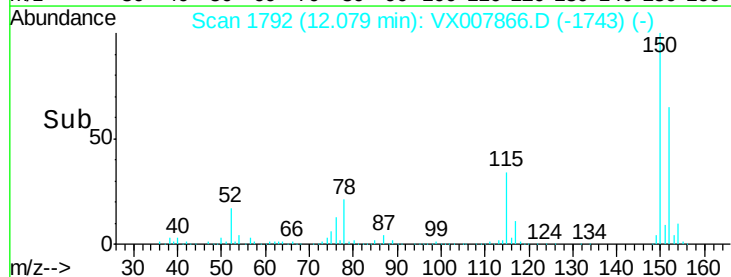
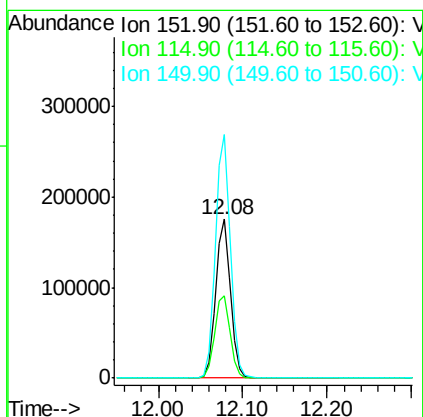
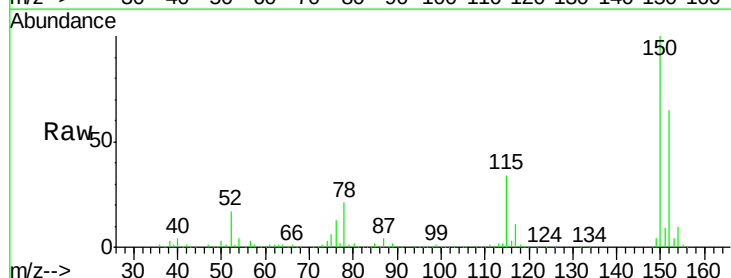
Instrument :
MSVOA_X
ClientSampled :
TB-01-190305

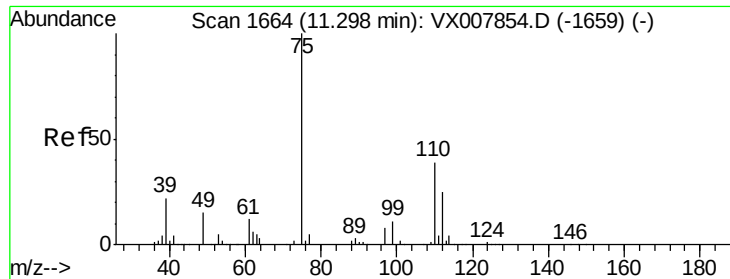
Tgt Ion:117 Resp: 447962
Ion Ratio Lower Upper
117 100
82 54.8 44.3 66.5
119 32.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007866.D
Acq: 06 Mar 2019 18:01

Tgt Ion:152 Resp: 213326
Ion Ratio Lower Upper
152 100
115 54.6 38.6 115.7
150 155.0 0.0 348.4

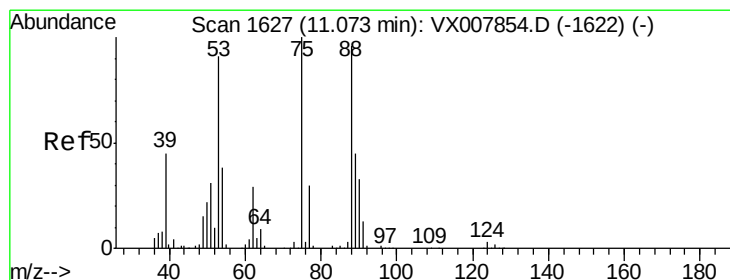
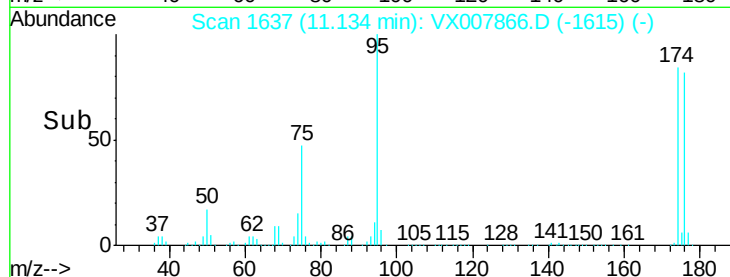
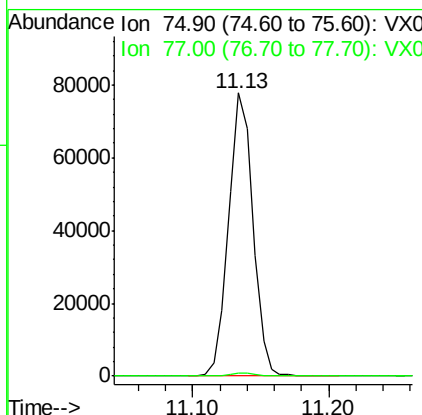
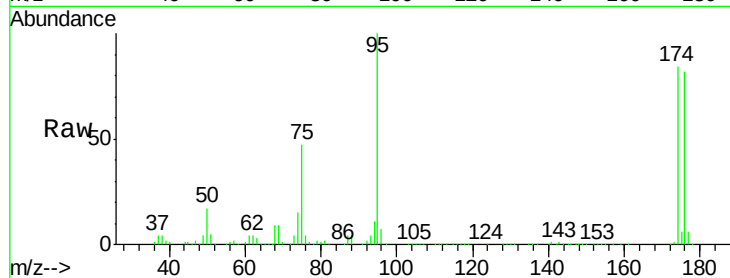




#76
 1,2,3-Trichloropropane
 Concen: 21.685 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007866.D
 Acq: 06 Mar 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190305

Tgt Ion: 75 Resp: 97074
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.317 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007866.D
 Acq: 06 Mar 2019 18:01

Tgt Ion: 75 Resp: 97074
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.3 54.5#

