

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007993.D
 Acq On : 12 Mar 2019 04:28
 Operator : JC/SP
 Sample : VX0311WBL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBL03

Quant Time: Mar 12 04:47:46 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

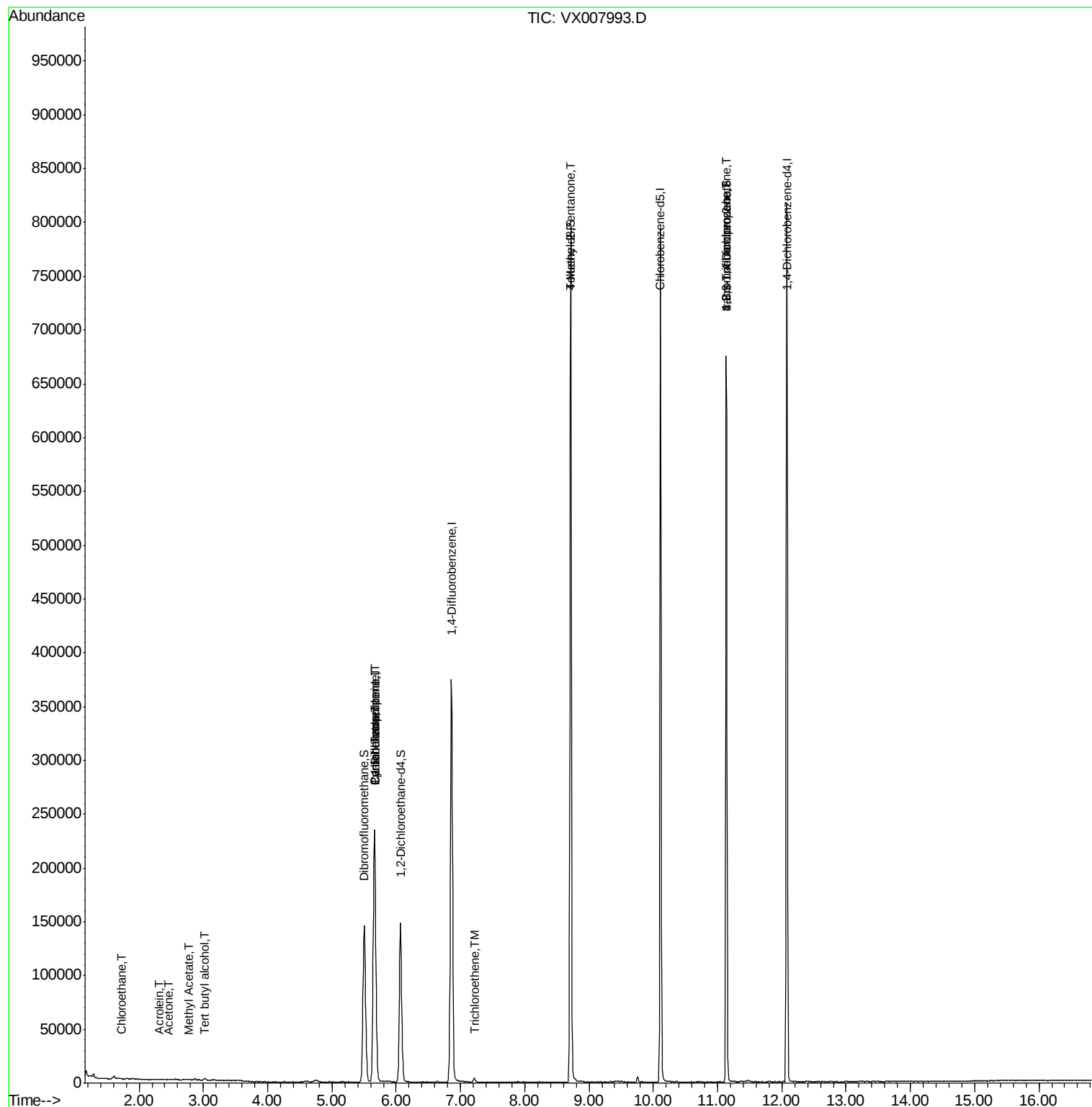
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389228	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	373573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183855	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	134548	50.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.14%	
35) Dibromofluoromethane	5.50	113	125032	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
50) Toluene-d8	8.71	98	478808	52.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	11.13	95	178271	55.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.22%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	708	Below Cal		94
6) Chloroethane	1.73	64	608	0.332 ug/l #		88
11) Tert butyl alcohol	3.03	59	1018	1.711 ug/l #		78
13) Acrolein	2.31	56	23	1.609 ug/l #		1
16) Acetone	2.45	43	529	0.344 ug/l #		43
17) Carbon Disulfide	2.57	76	1303	Below Cal		97
18) Methyl Acetate	2.78	43	870	0.266 ug/l		98
31) Cyclohexane	5.67	56	3902	0.954 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	15456	4.385 ug/l #		49
38) Carbon Tetrachloride	5.67	117	20876	6.239 ug/l #		17
44) Trichloroethene	7.21	130	1570	0.543 ug/l		95
51) 4-Methyl-2-Pentanone	8.71	43	1799	0.452 ug/l #		1
76) 1,2,3-Trichloropropane	11.13	75	80566	20.883 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.13	75	80566	66.751 ug/l #		11

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

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QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007993.D

Acq: 12 Mar 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

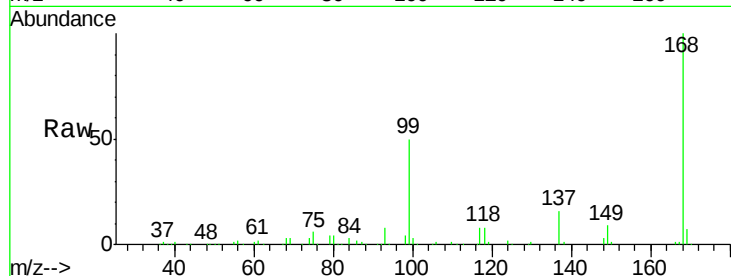
VX0311WBL03

Tot Ion:168 Resp: 252220

Ion Ratio Lower Upper

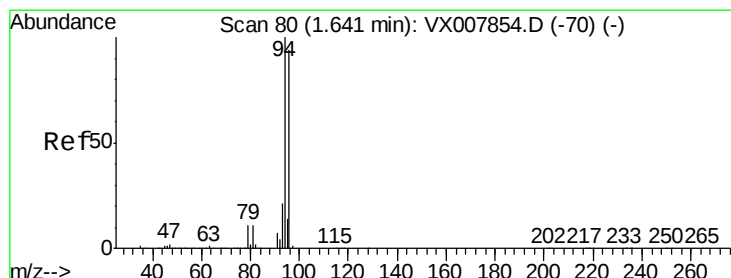
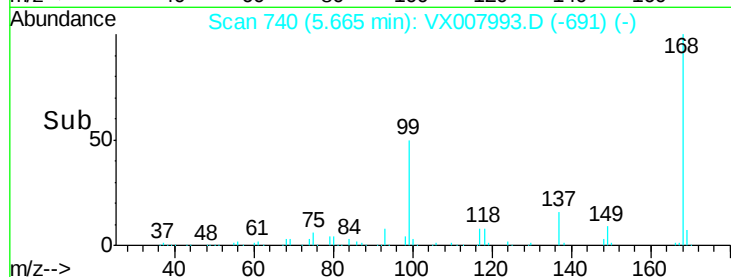
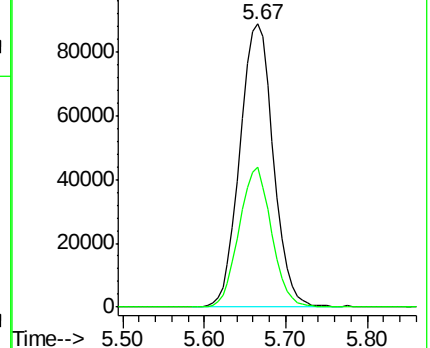
168 100

99 49.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007993.D

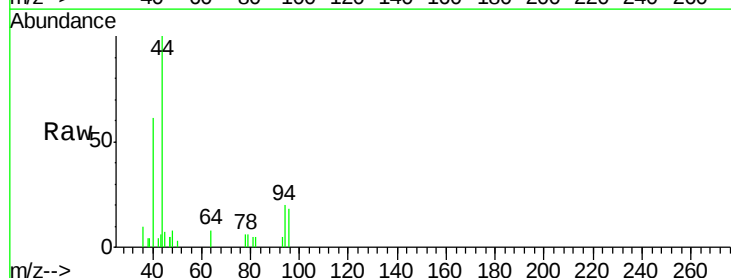
Acq: 12 Mar 2019 04:28

Tgt Ion: 94 Resp: 708

Ion Ratio Lower Upper

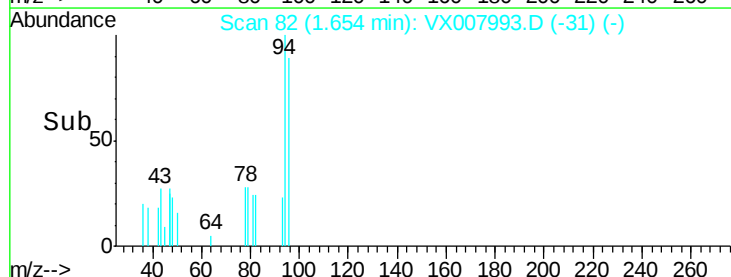
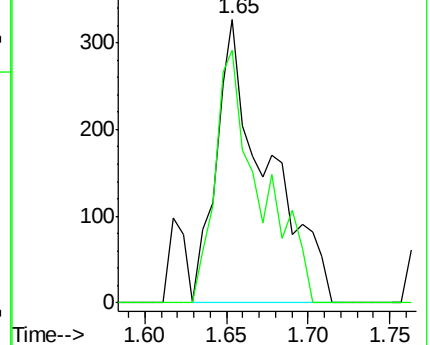
94 100

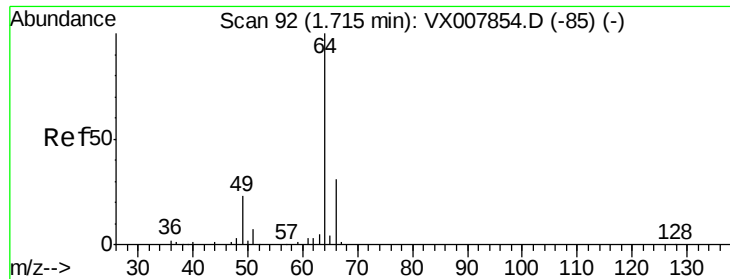
96 89.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.332 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007993.D

Acq: 12 Mar 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

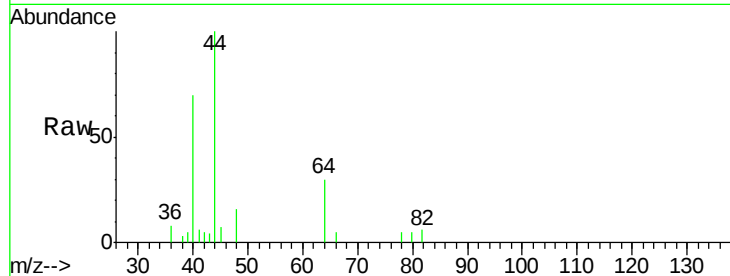
VX0311WBL03

Tot Ion: 64 Resp: 608

Ion Ratio Lower Upper

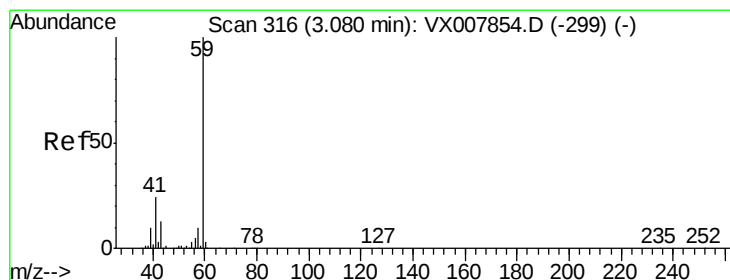
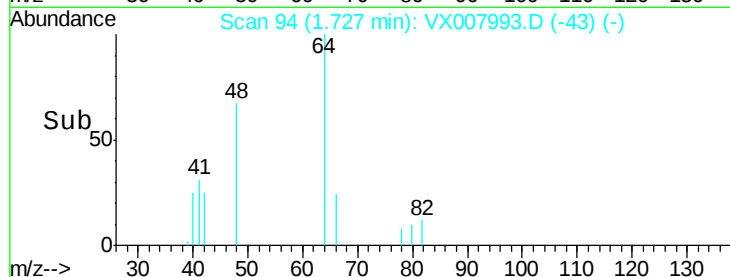
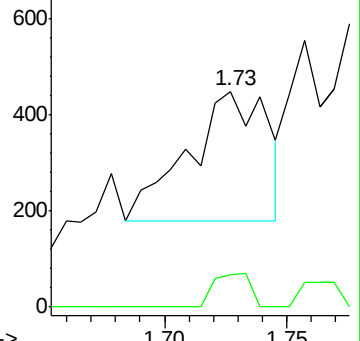
64 100

66 24.8 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: 1.711 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007993.D

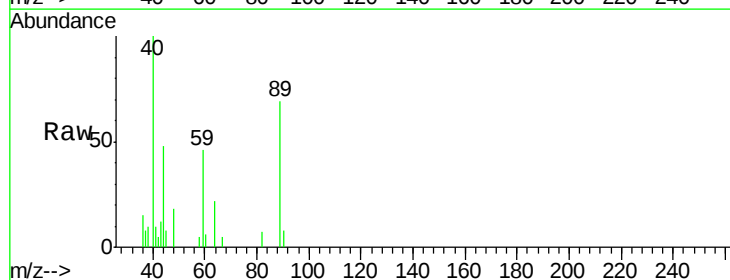
Acq: 12 Mar 2019 04:28

Tgt Ion: 59 Resp: 1018

Ion Ratio Lower Upper

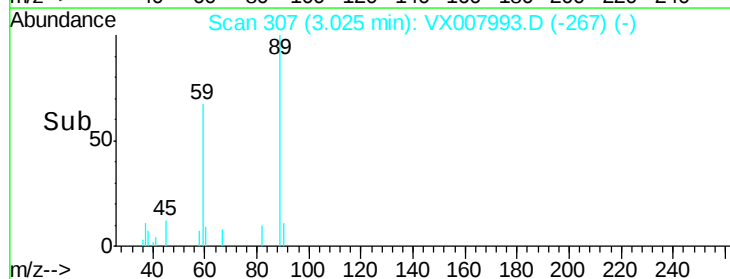
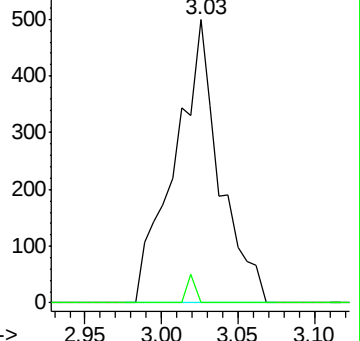
59 100

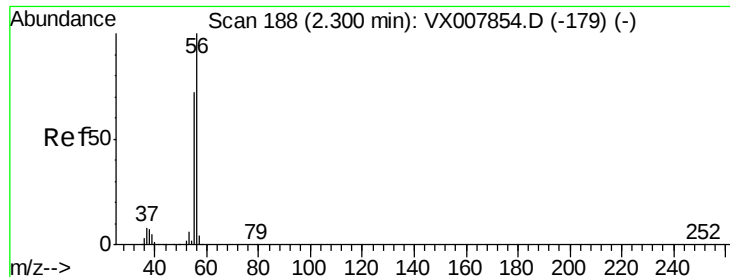
57 1.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.609 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007993.D

Acq: 12 Mar 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

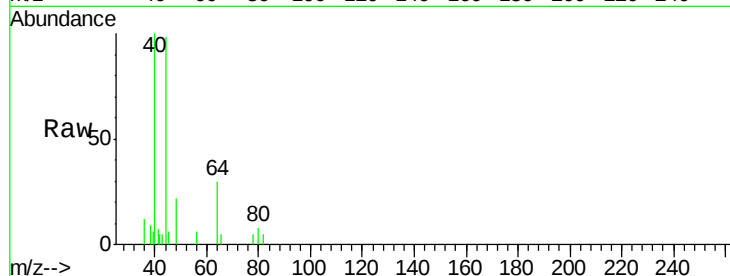
VX0311WBL03

Tot Ion: 56 Resp: 23

Ion Ratio Lower Upper

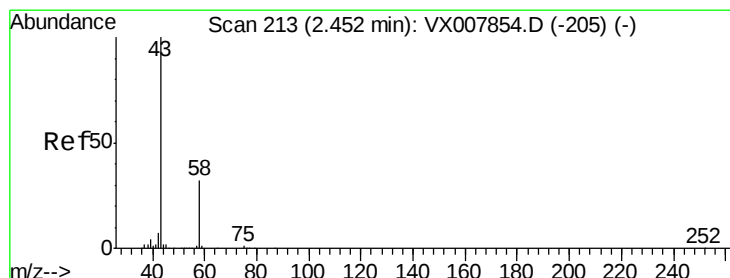
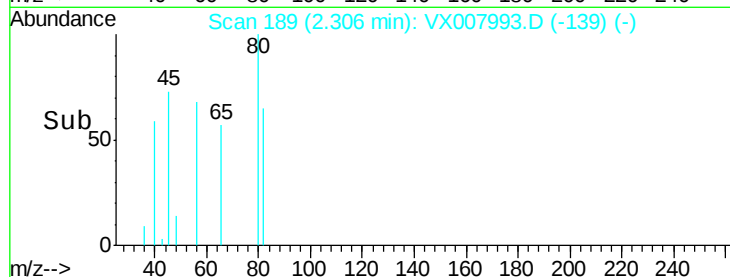
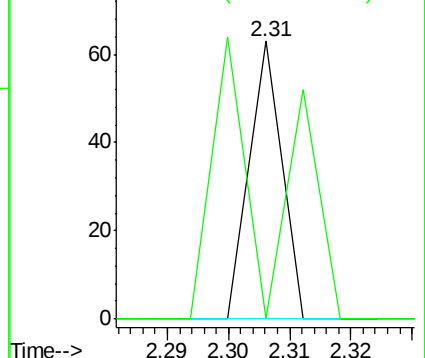
56 100

55 182.6 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: 0.344 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007993.D

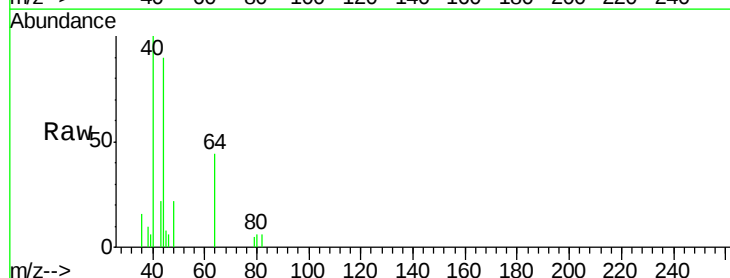
Acq: 12 Mar 2019 04:28

Tgt Ion: 43 Resp: 529

Ion Ratio Lower Upper

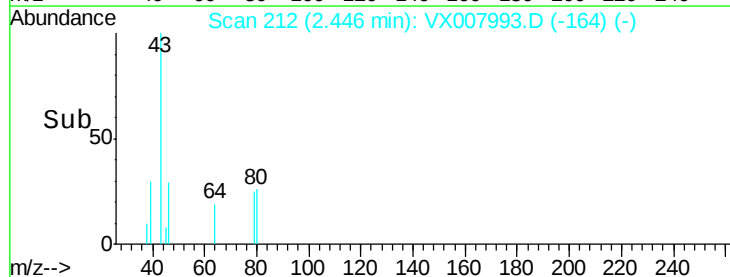
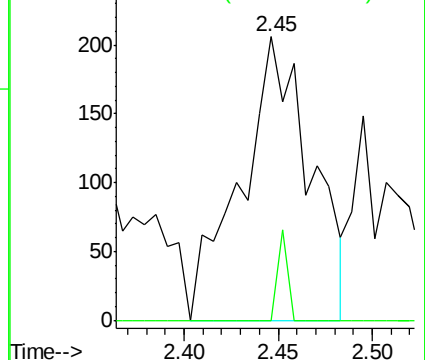
43 100

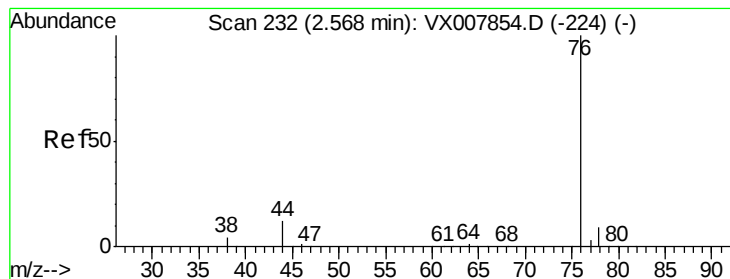
58 0.0 25.5 38.3#



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: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007993.D

Acq: 12 Mar 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

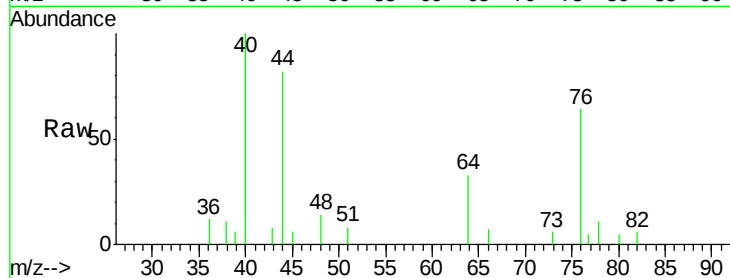
VX0311WBL03

Tot Ion: 76 Resp: 1303

Ion Ratio Lower Upper

76 100

78 8.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

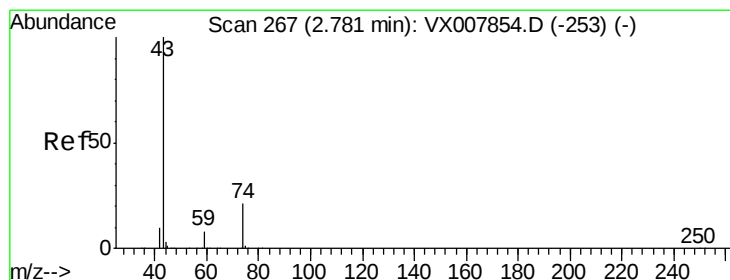
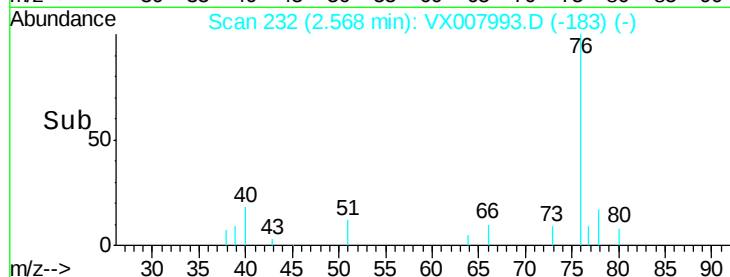
600

400

200

0

Time--> 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 0.266 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007993.D

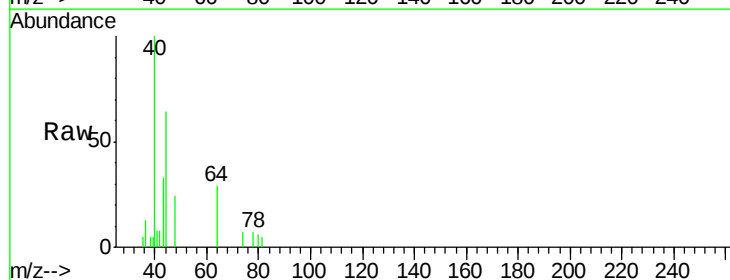
Acq: 12 Mar 2019 04:28

Tgt Ion: 43 Resp: 870

Ion Ratio Lower Upper

43 100

74 21.4 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

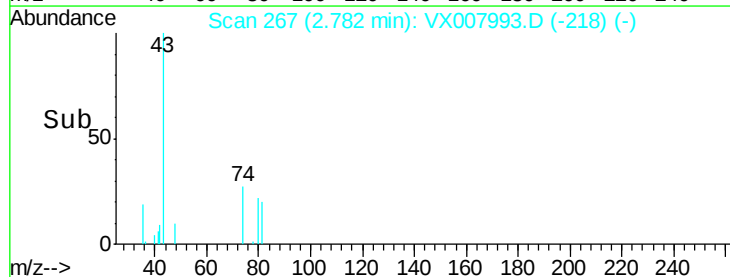
300

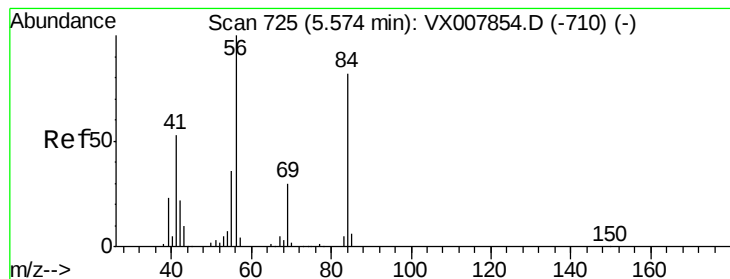
200

100

0

Time--> 2.70 2.75 2.80 2.85





#31

Cyclohexane

Concen: 0.954 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX007993.D

Acq: 12 Mar 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBL03

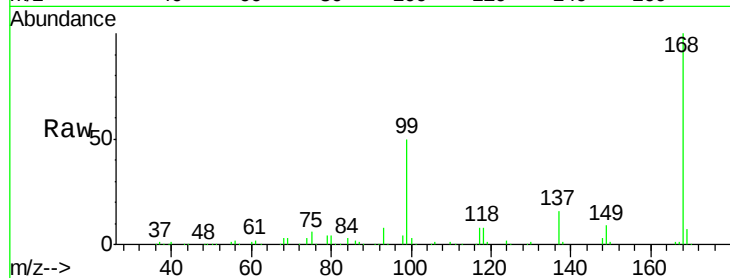
Tot Ion: 56 Resp: 3902

Ion Ratio Lower Upper

56 100

69 198.3 24.0 36.0#

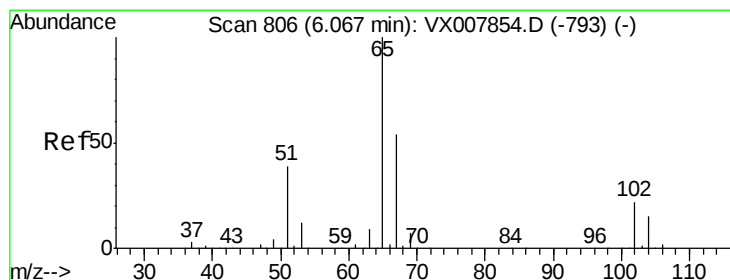
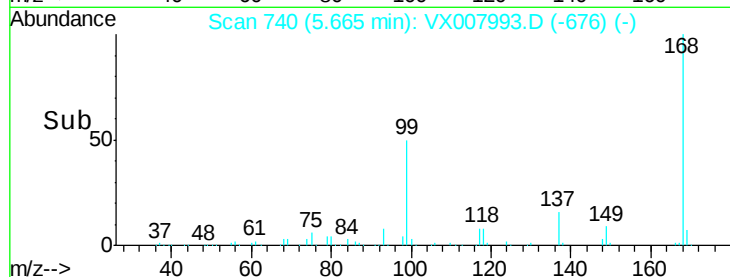
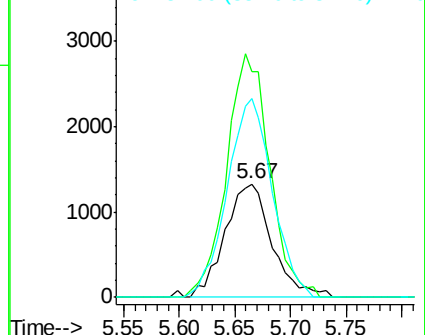
84 175.2 65.3 97.9#



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: 50.569 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007993.D

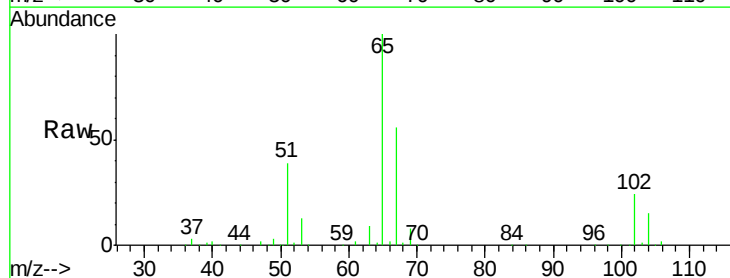
Acq: 12 Mar 2019 04:28

Tgt Ion: 65 Resp: 134548

Ion Ratio Lower Upper

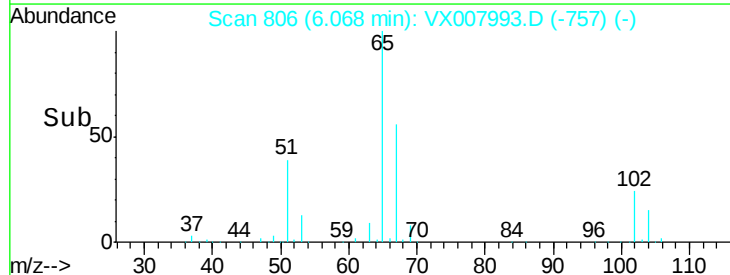
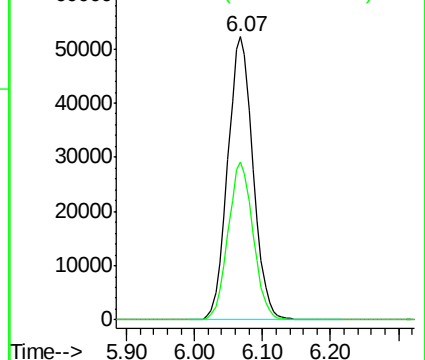
65 100

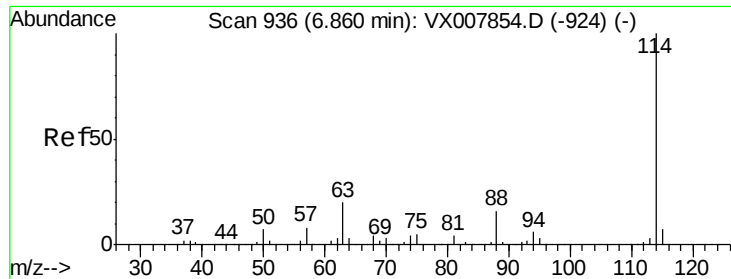
67 55.1 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

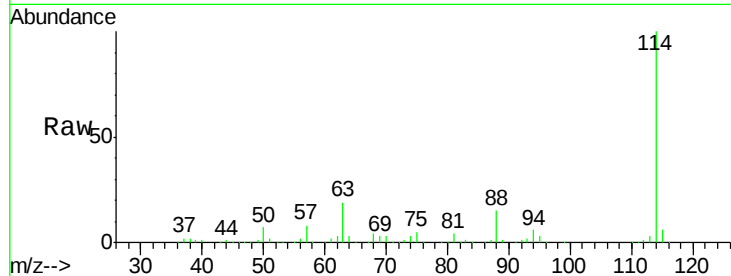




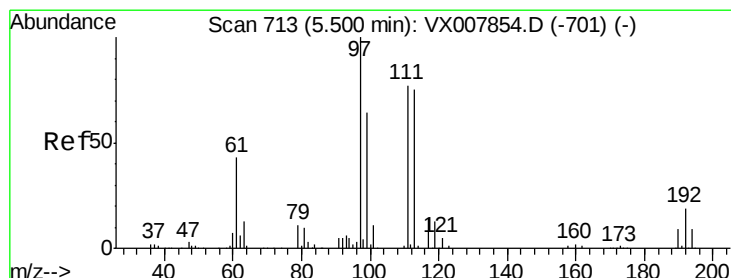
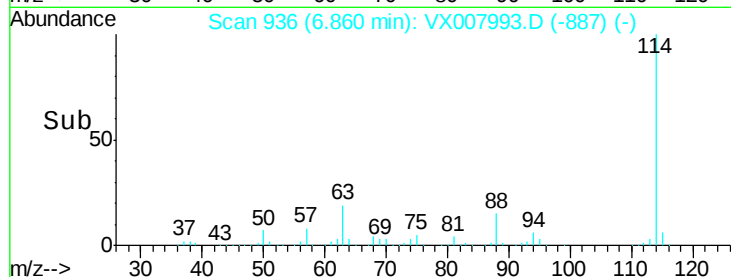
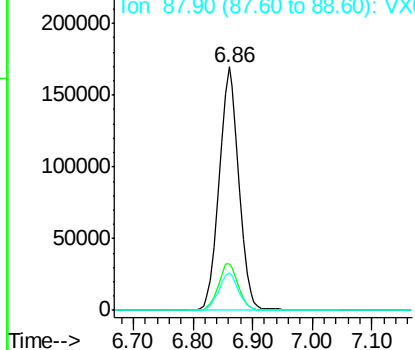
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007993.D
 Acq: 12 Mar 2019 04:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBL03

Tot Ion:114 Resp: 389228
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.4 0.0 31.4

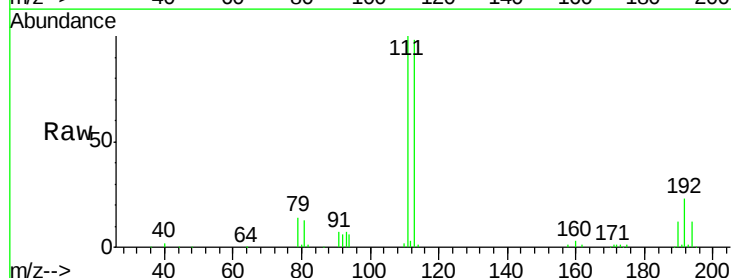


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

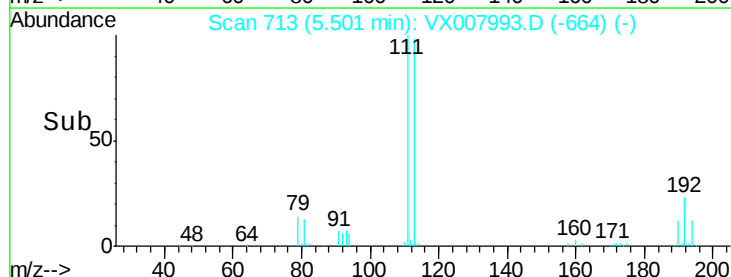
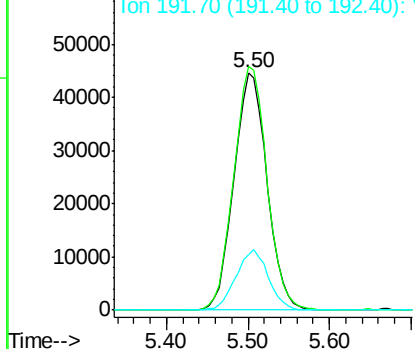


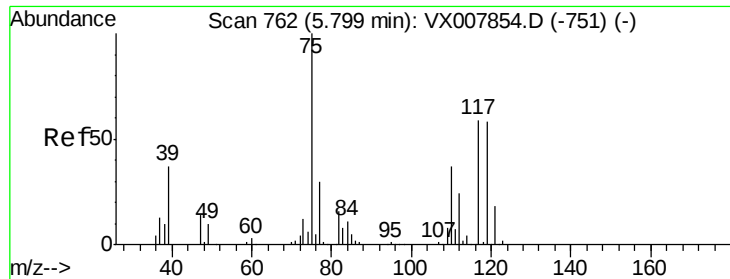
#35
 Dibromofluoromethane
 Concen: 50.218 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007993.D
 Acq: 12 Mar 2019 04:28

Tgt Ion:113 Resp: 125032
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.4 122.0
 192 24.9 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

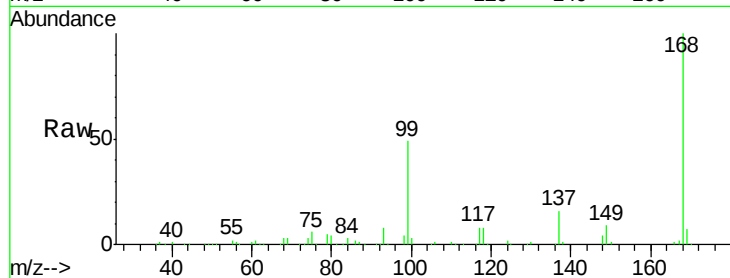




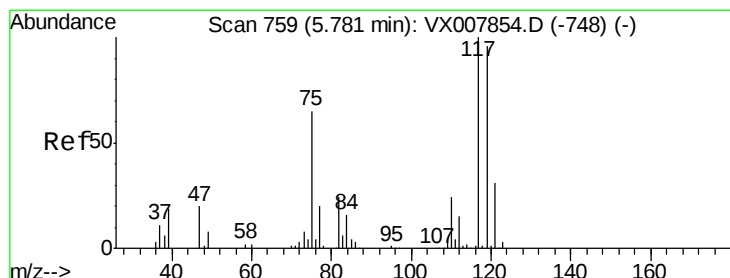
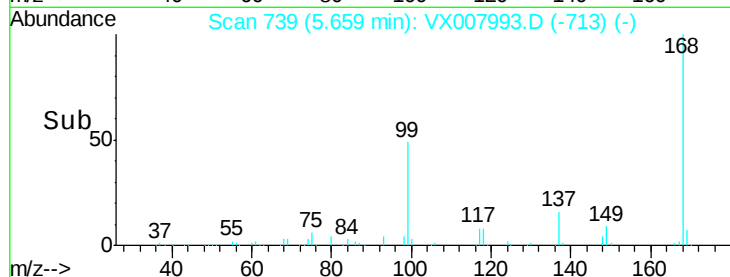
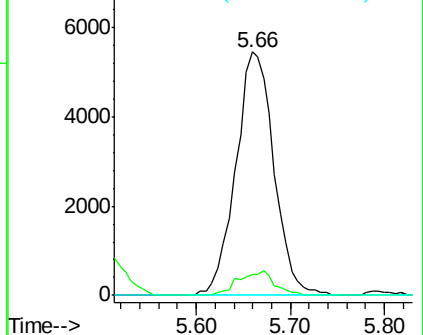
#36
 1,1-Dichloropropene
 Concen: 4.385 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007993.D
 Acq: 12 Mar 2019 04:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBL03

Tot Ion: 75 Resp: 15456
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.4 55.0#
 77 0.0 25.0 37.4#

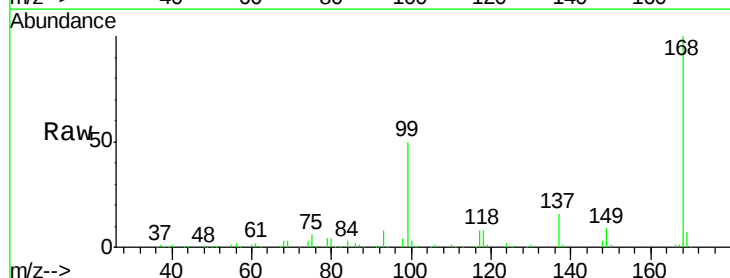


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

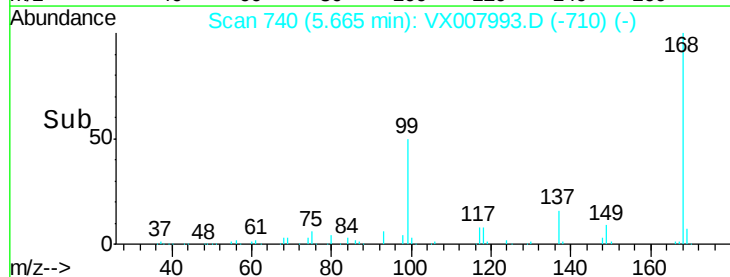
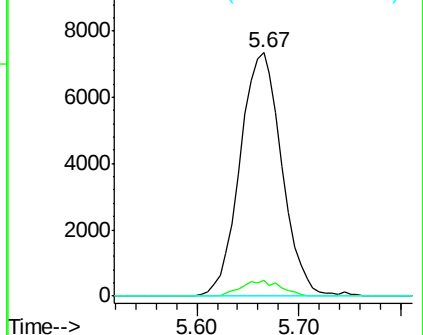


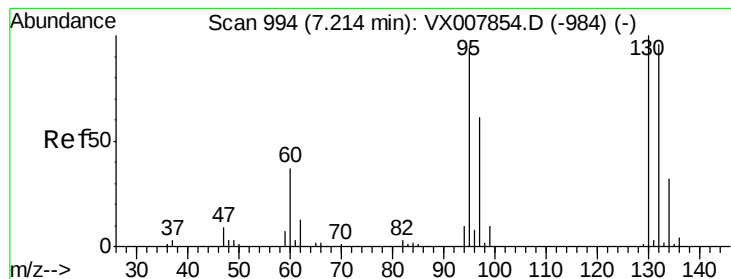
#38
 Carbon Tetrachloride
 Concen: 6.239 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007993.D
 Acq: 12 Mar 2019 04:28

Tgt Ion: 117 Resp: 20876
 Ion Ratio Lower Upper
 117 100
 119 6.5 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





#44

Trichloroethene

Concen: 0.543 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007993.D

Acq: 12 Mar 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

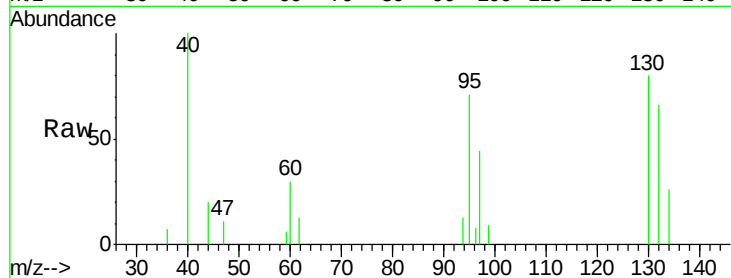
VX0311WBL03

Tot Ion:130 Resp: 1570

Ion Ratio Lower Upper

130 100

95 88.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

800

600

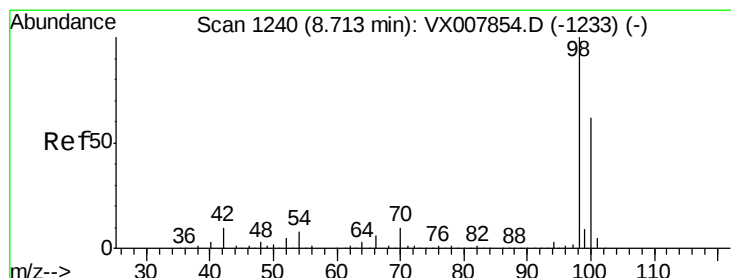
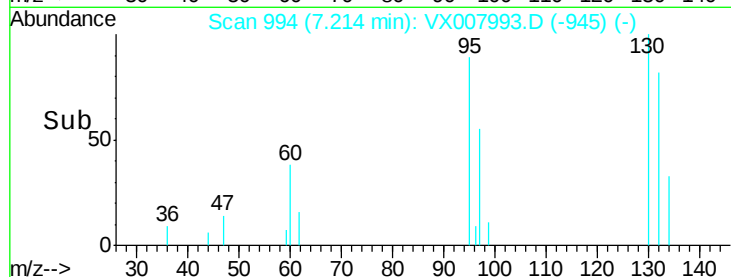
400

200

0

7.15 7.20 7.25

Time-->



#50

Toluene-d8

Concen: 52.364 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007993.D

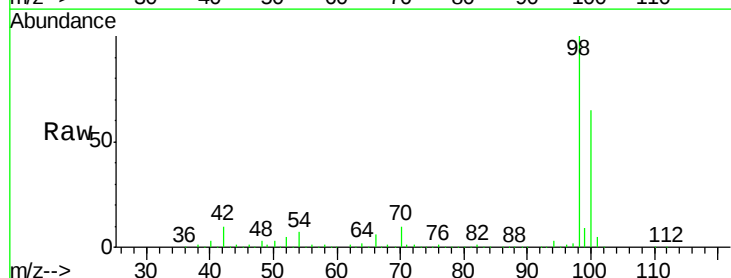
Acq: 12 Mar 2019 04:28

Tgt Ion: 98 Resp: 478808

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): VX0

8.71

300000

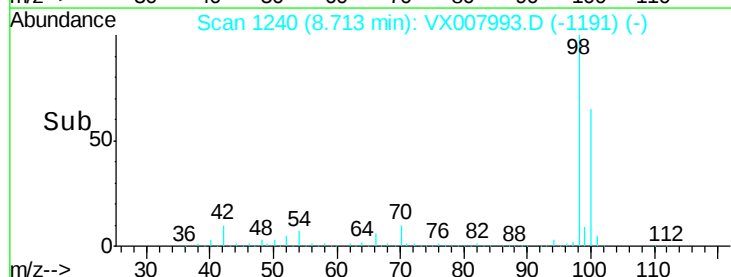
200000

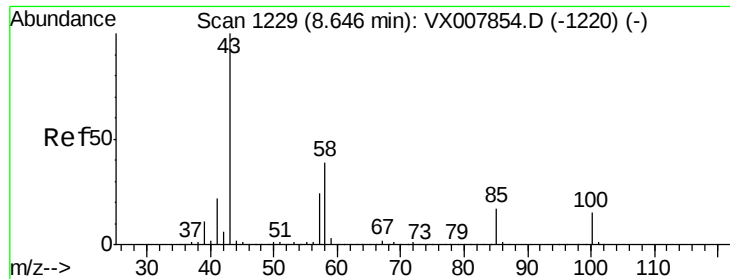
100000

0

8.60 8.80 9.00

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.452 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX007993.D

Acq: 12 Mar 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

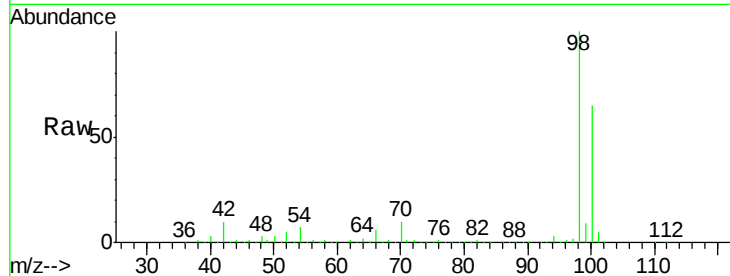
VX0311WBL03

Tot Ion: 43 Resp: 1799

Ion Ratio Lower Upper

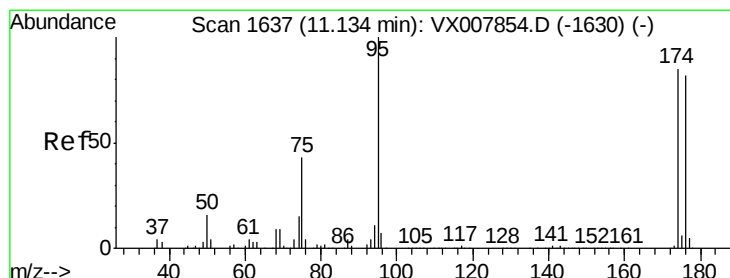
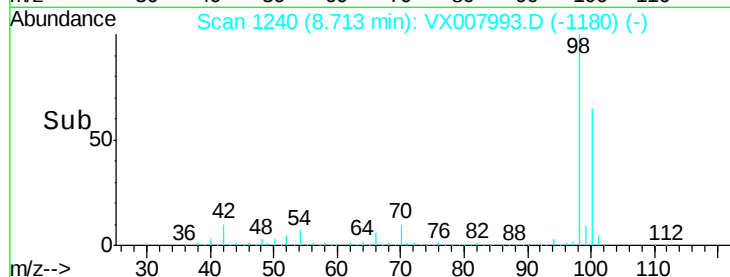
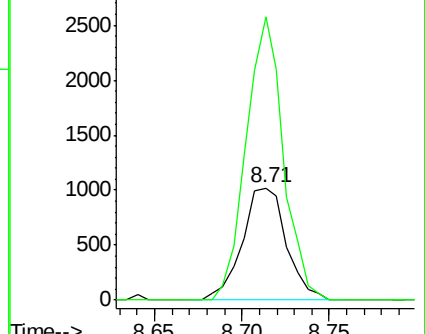
43 100

58 210.8 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 55.608 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007993.D

Acq: 12 Mar 2019 04:28

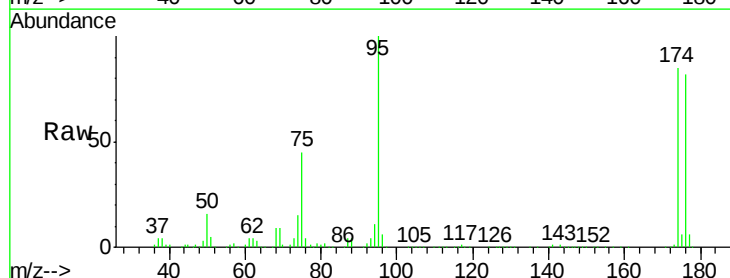
Tgt Ion: 95 Resp: 178271

Ion Ratio Lower Upper

95 100

174 92.4 0.0 182.8

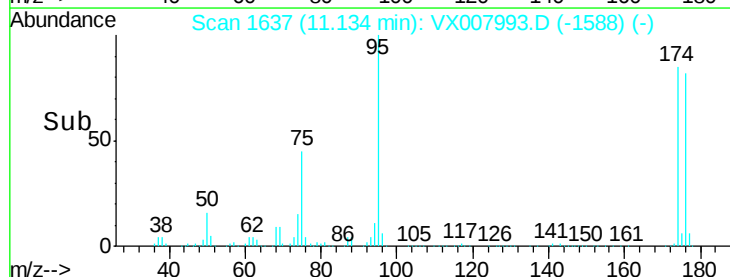
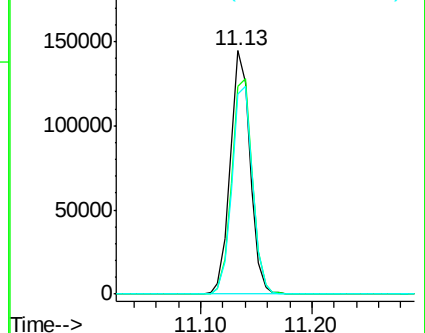
176 89.0 0.0 178.0

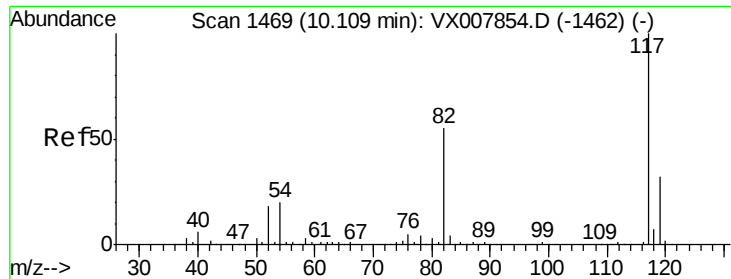


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

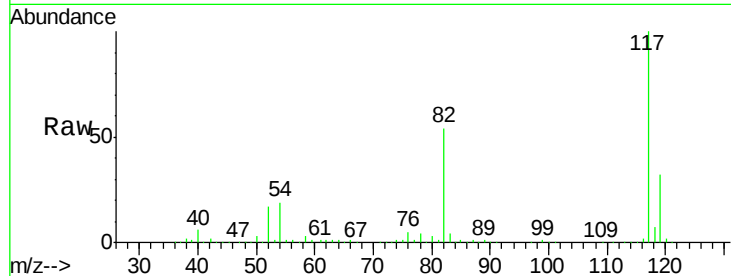




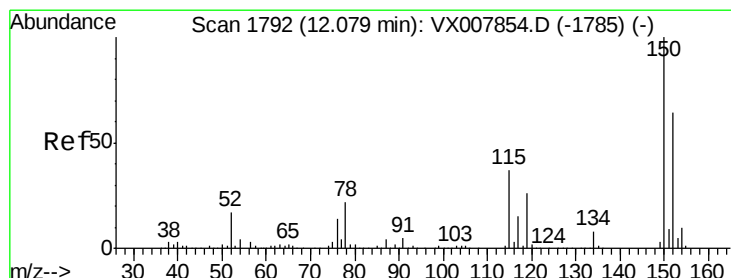
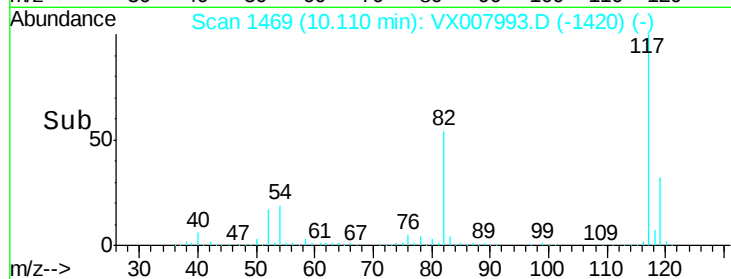
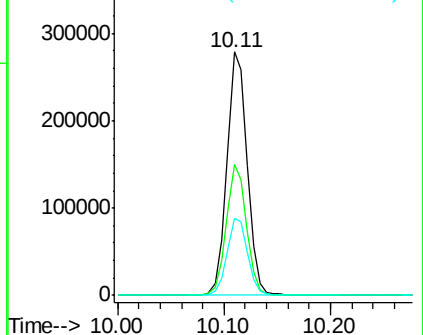
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007993.D
Acq: 12 Mar 2019 04:28

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBL03

Tot Ion:117 Resp: 373573
Ion Ratio Lower Upper
117 100
82 53.6 44.3 66.5
119 31.8 25.3 37.9

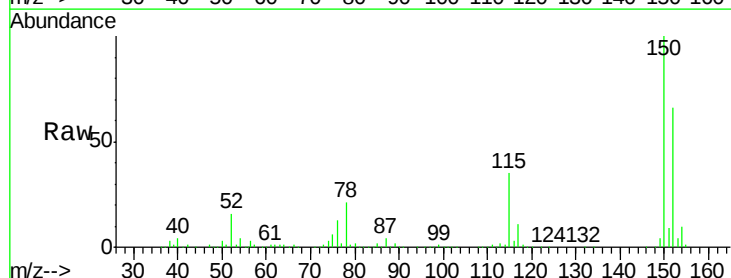


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

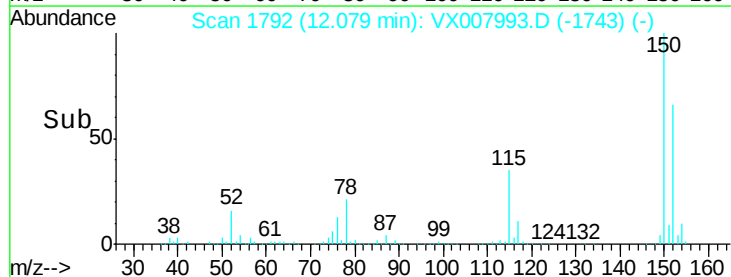
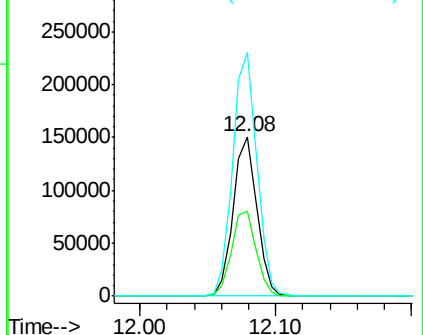


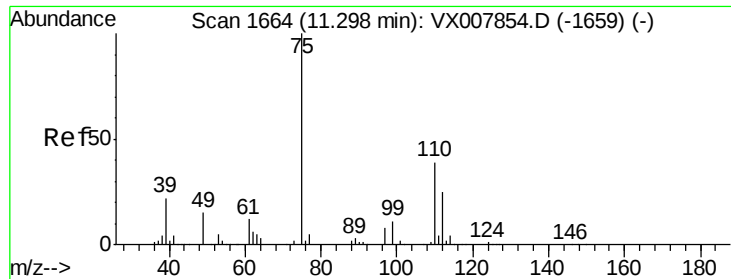
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007993.D
Acq: 12 Mar 2019 04:28

Tgt Ion:152 Resp: 183855
Ion Ratio Lower Upper
152 100
115 55.2 38.6 115.7
150 155.8 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: 20.883 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007993.D

Acq: 12 Mar 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

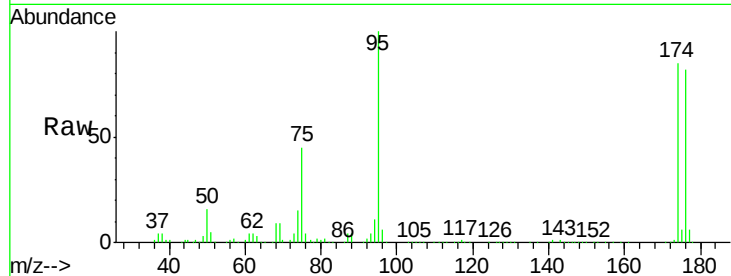
VX0311WBL03

Tot Ion: 75 Resp: 80566

Ion Ratio Lower Upper

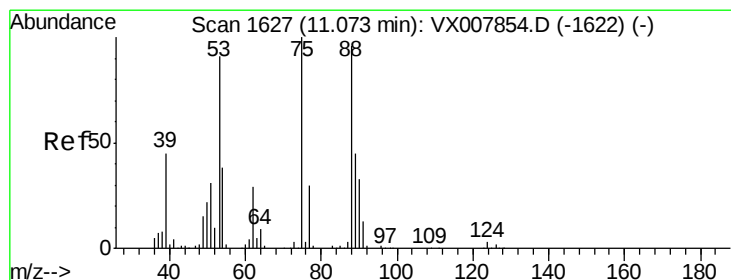
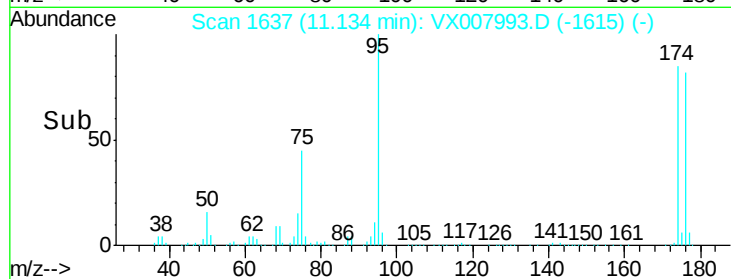
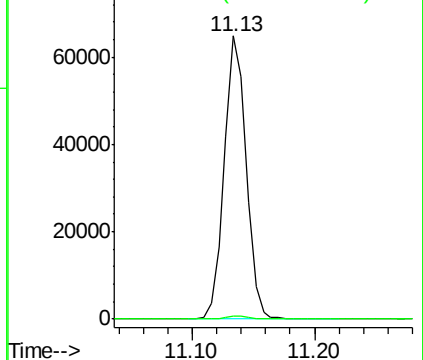
75 100

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: 66.751 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007993.D

Acq: 12 Mar 2019 04:28

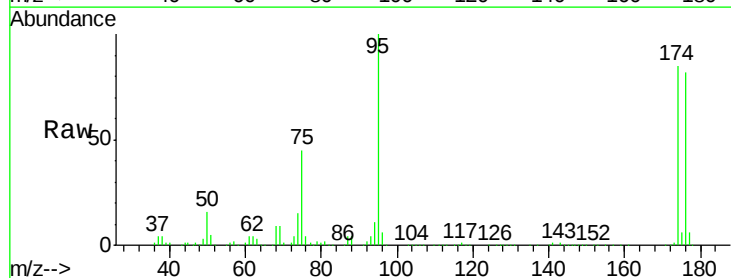
Tgt Ion: 75 Resp: 80566

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

