

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030519\
 Data File : VX007830.D
 Acq On : 05 Mar 2019 12:08
 Operator : JC/SP
 Sample : K1659-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Mar 05 12:27:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	337141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	524048	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	490821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	237924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	183373	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	
35) Dibromofluoromethane	5.51	113	170031	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	8.71	98	633491	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
62) 4-Bromofluorobenzene	11.13	95	230236	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

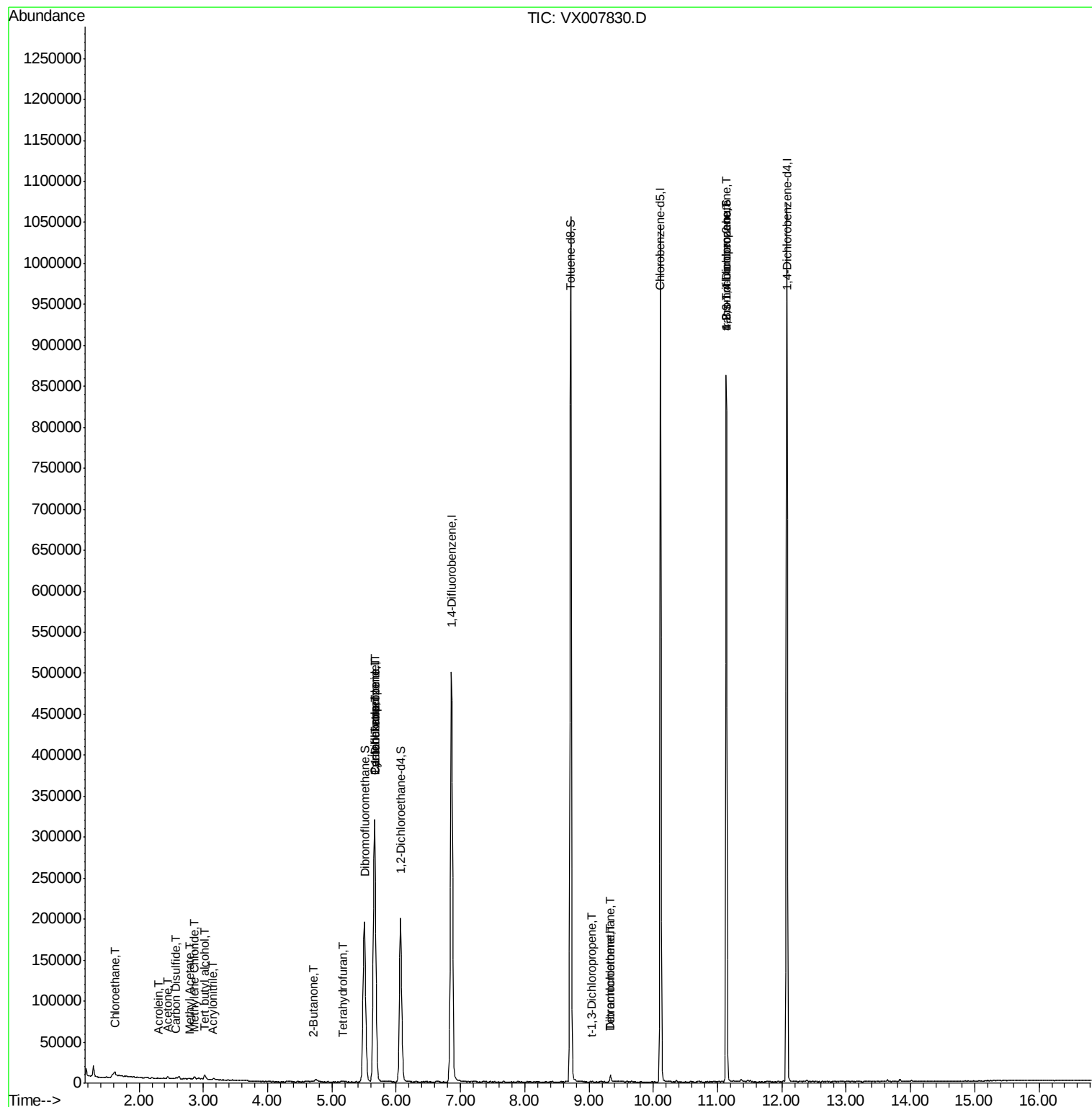
					Qvalue	
5) Bromomethane	1.65	94	496	Below Cal		94
6) Chloroethane	1.64	64	8831	3.915 ug/l #		58
11) Tert butyl alcohol	3.03	59	3224	4.069 ug/l #		73
13) Acrolein	2.30	56	206	0.293 ug/l #		56
15) Acrylonitrile	3.15	53	762	0.409 ug/l #		90
16) Acetone	2.45	43	2057	1.108 ug/l		90
17) Carbon Disulfide	2.57	76	1923	0.234 ug/l		99
18) Methyl Acetate	2.78	43	969	0.239 ug/l #		83
20) Methylene Chloride	2.86	84	1301	0.379 ug/l #		86
25) 2-Butanone	4.71	43	821	0.290 ug/l #		47
29) Tetrahydrofuran	5.17	42	483	0.259 ug/l #		41
31) Cyclohexane	5.67	56	5373	0.926 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	20984	4.454 ug/l #		47
38) Carbon Tetrachloride	5.66	117	29075	6.144 ug/l #		17
53) t-1,3-Dichloropropene	9.05	75	155	2.828 ug/l #		43
60) Dibromochloromethane	9.33	129	1413	0.384 ug/l #		12
64) Tetrachloroethene	9.34	164	1486	0.373 ug/l		88
76) 1,2,3-Trichloropropane	11.13	75	105828	20.867 ug/l #		32
81) trans-1,4-Dichloro-2-buten	11.13	75	105828	55.562 ug/l #		9

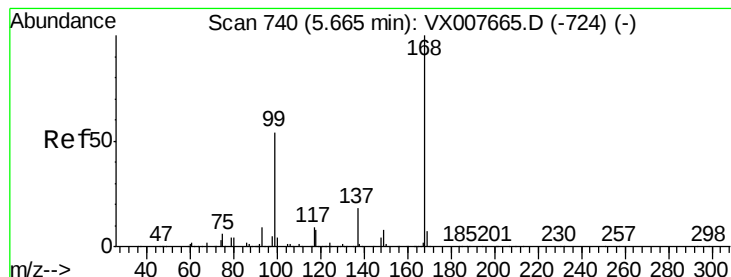
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX030519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 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: VX007830.D

Acq: 05 Mar 2019 12:08

Instrument :

MSVOA_X

ClientSampled :

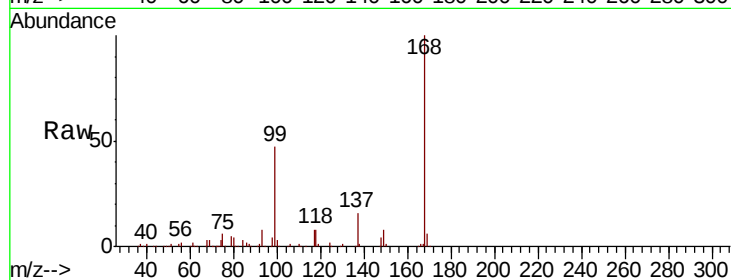
TB

Tgt Ion:168 Resp: 337141

Ion Ratio Lower Upper

168 100

99 46.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

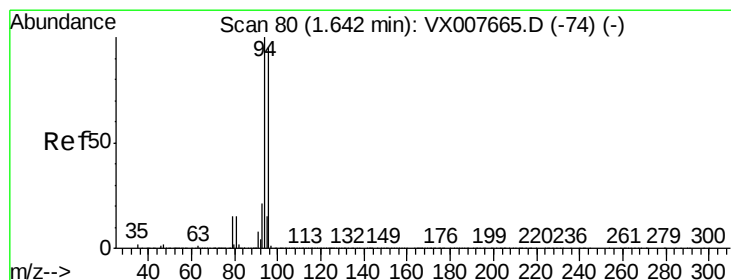
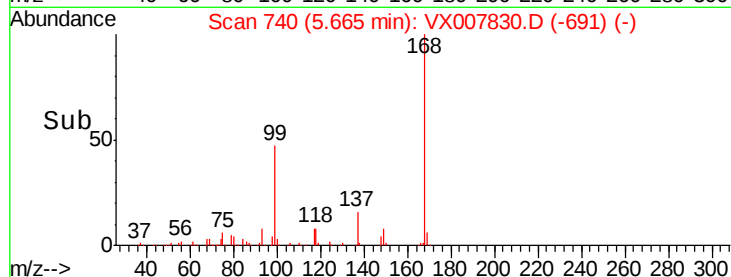
5.67

100000

50000

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: VX007830.D

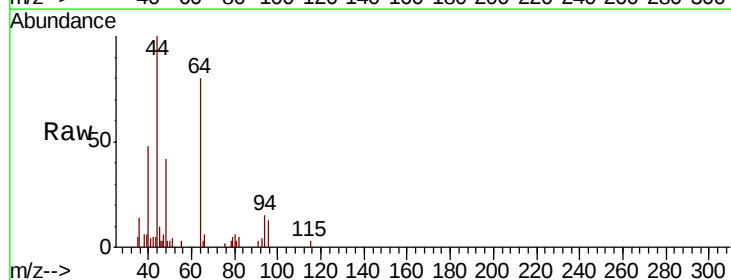
Acq: 05 Mar 2019 12:08

Tgt Ion: 94 Resp: 496

Ion Ratio Lower Upper

94 100

96 87.0 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

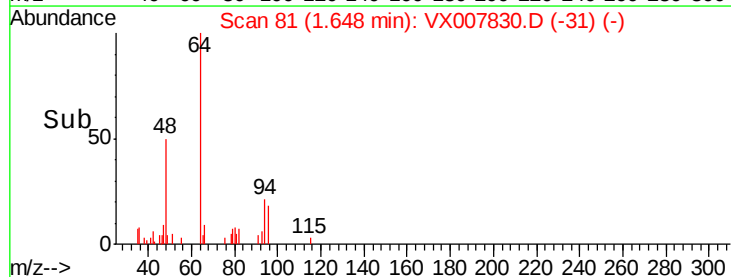
300

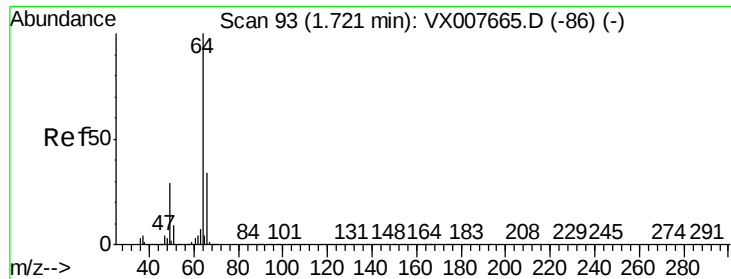
200

100

0

Time--> 1.60 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 3.915 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.09 min

Lab File: VX007830.D

Acq: 05 Mar 2019 12:08

Instrument :

MSVOA_X

ClientSampled :

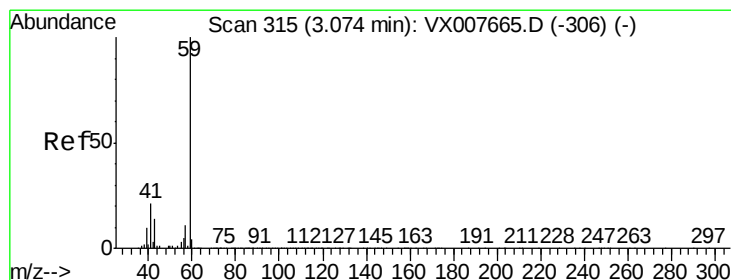
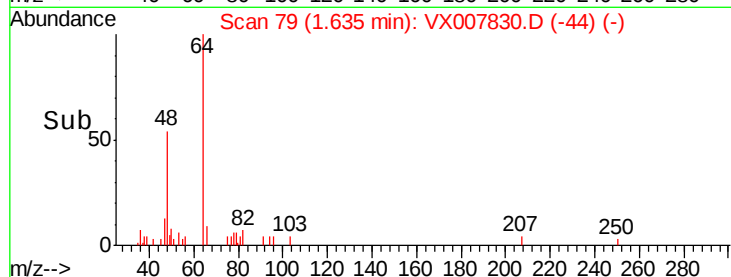
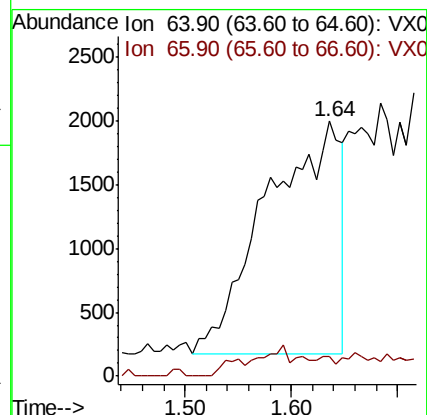
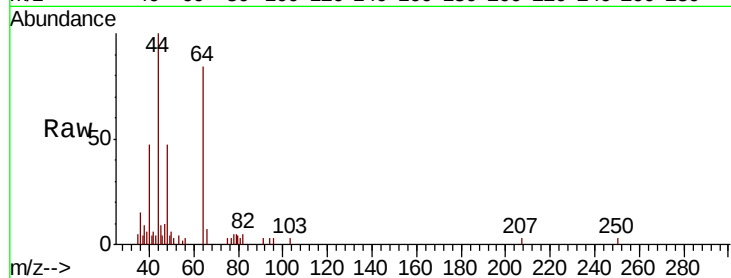
TB

Tgt Ion: 64 Resp: 8831

Ion Ratio Lower Upper

64 100

66 8.7 25.5 38.3#



#11

Tert butyl alcohol

Concen: 4.069 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007830.D

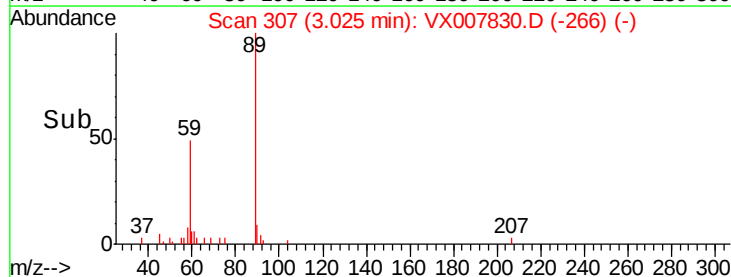
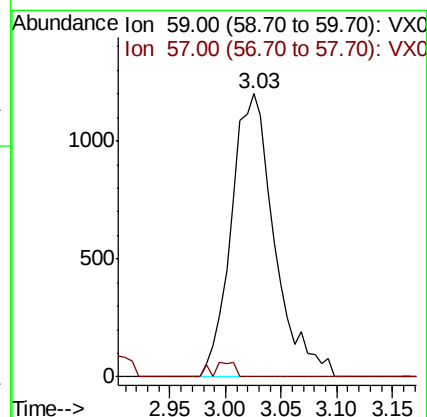
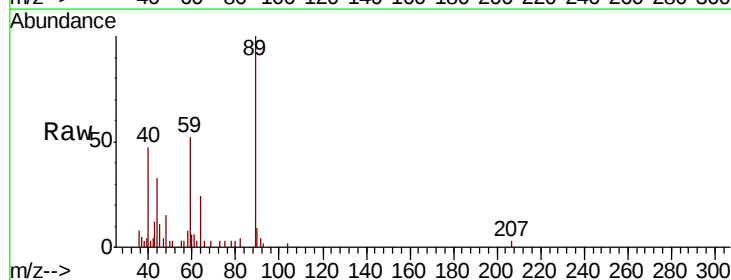
Acq: 05 Mar 2019 12:08

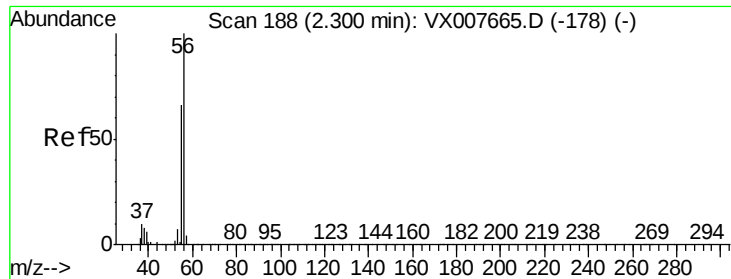
Tgt Ion: 59 Resp: 3224

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

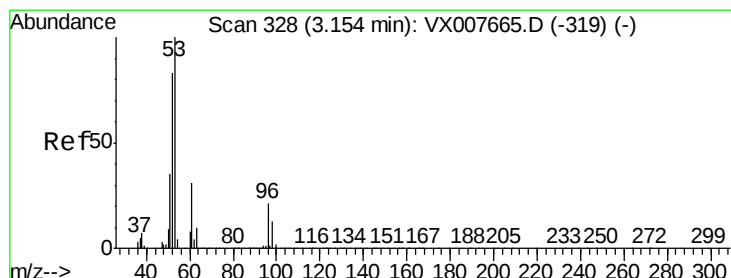
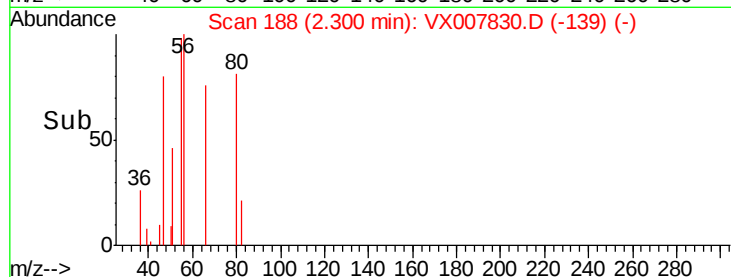
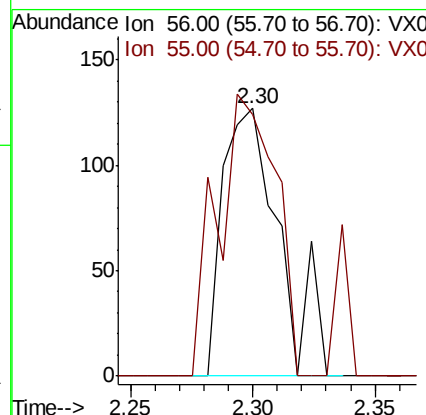
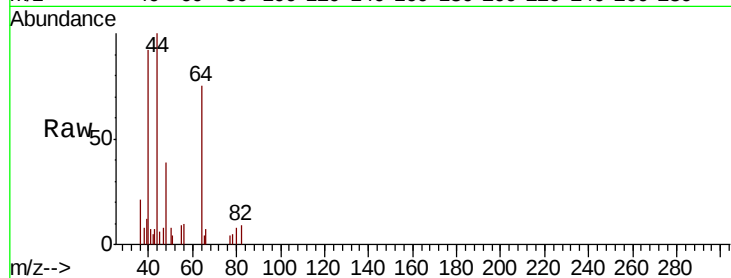




#13
Acrolein
Concen: 0.293 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX007830.D
Acq: 05 Mar 2019 12:08

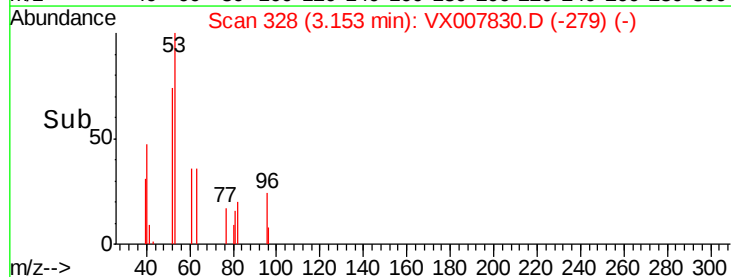
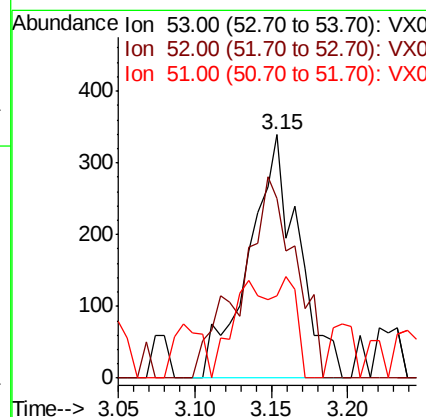
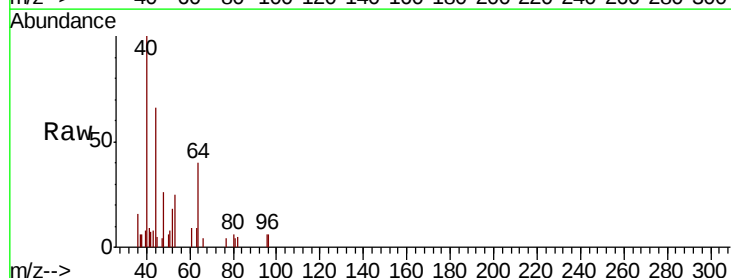
Instrument :
MSVOA_X
ClientSampled :
TB

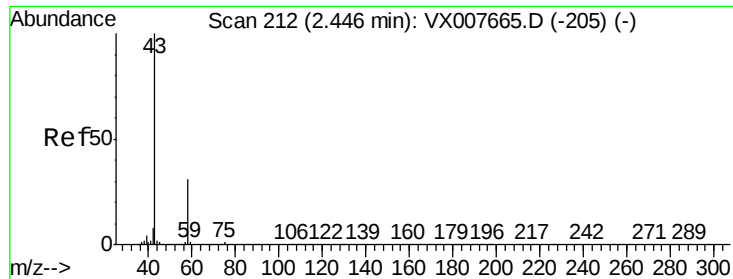
Tgt Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
55 107.3 56.9 85.3#



#15
Acrylonitrile
Concen: 0.409 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.00 min
Lab File: VX007830.D
Acq: 05 Mar 2019 12:08

Tgt Ion: 53 Resp: 762
Ion Ratio Lower Upper
53 100
52 91.3 66.4 99.6
51 28.2 28.4 42.6#





#16

Acetone

Concen: 1.108 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007830.D

Acq: 05 Mar 2019 12:08

Instrument :

MSVOA_X

ClientSampled :

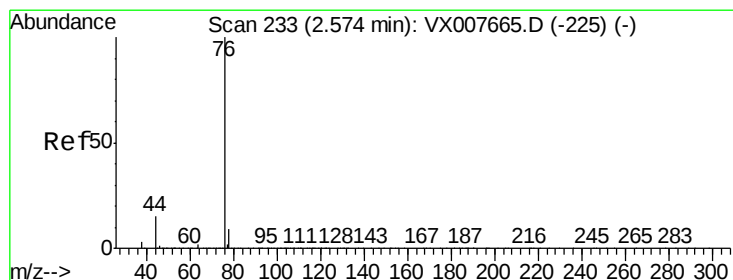
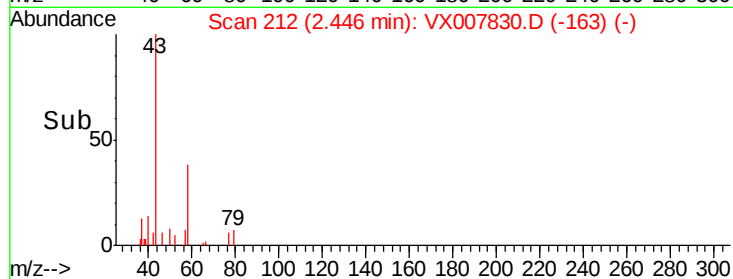
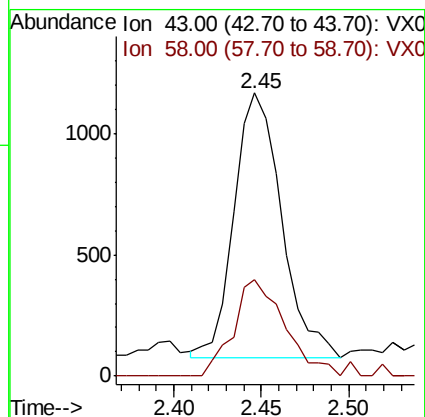
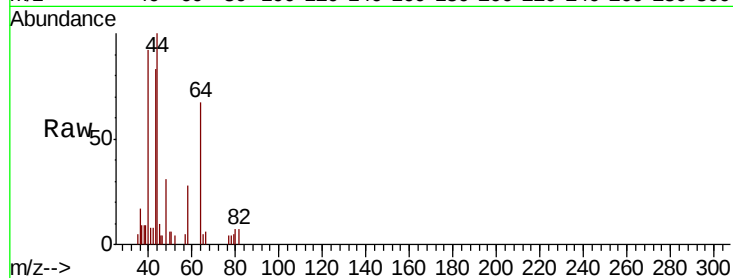
TB

Tgt Ion: 43 Resp: 2057

Ion Ratio Lower Upper

43 100

58 36.3 24.9 37.3



#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007830.D

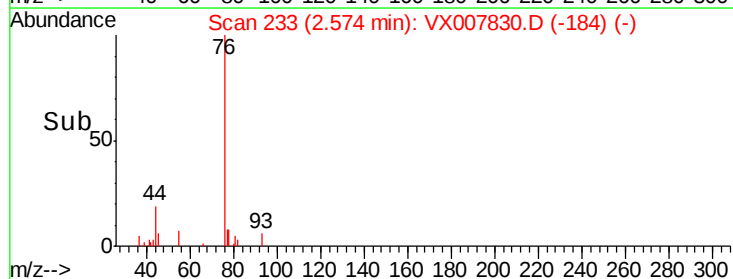
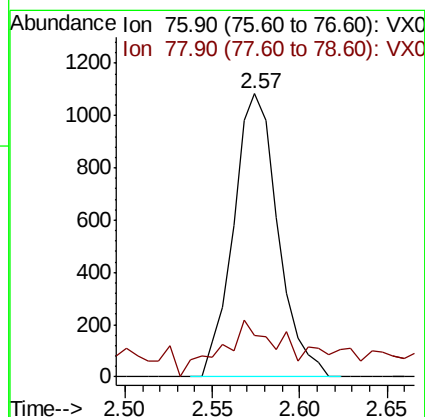
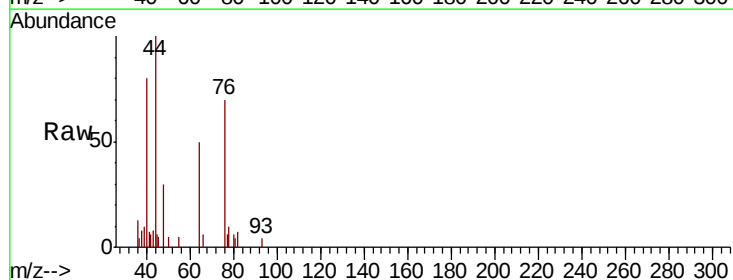
Acq: 05 Mar 2019 12:08

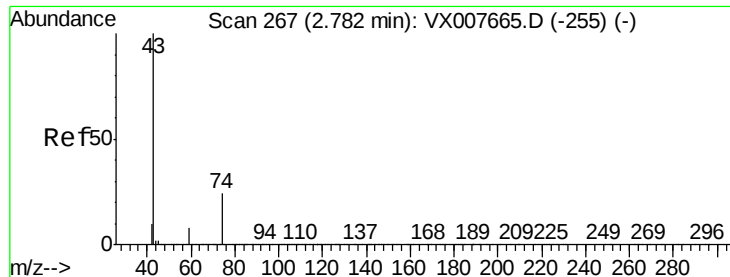
Tgt Ion: 76 Resp: 1923

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7





#18

Methyl Acetate

Concen: 0.239 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007830.D

Acq: 05 Mar 2019 12:08

Instrument :

MSVOA_X

ClientSampled :

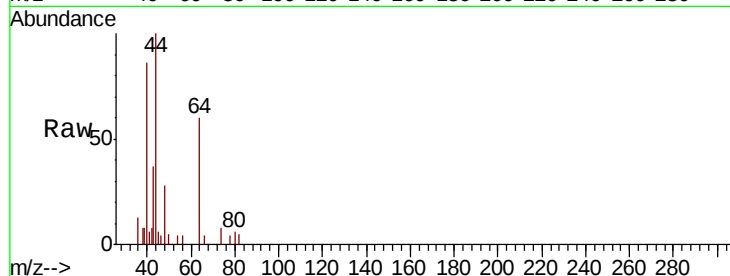
TB

Tgt Ion: 43 Resp: 969

Ion Ratio Lower Upper

43 100

74 15.8 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

600

500

400

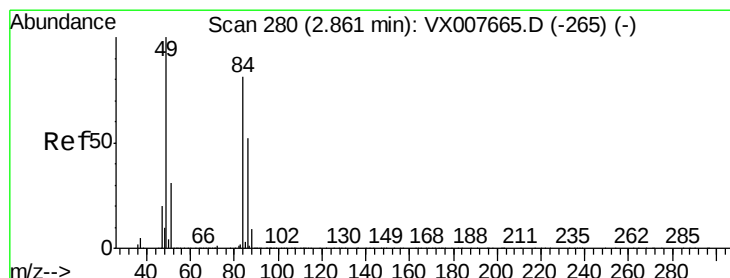
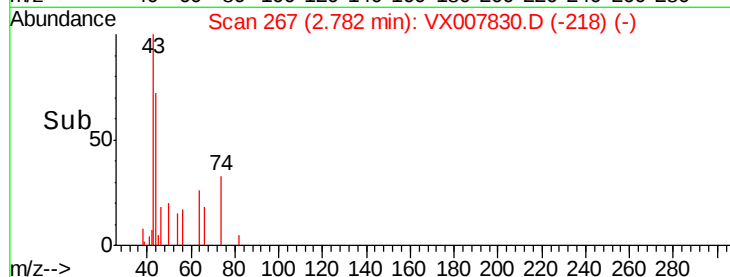
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.379 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX007830.D

Acq: 05 Mar 2019 12:08

Tgt Ion: 84 Resp: 1301

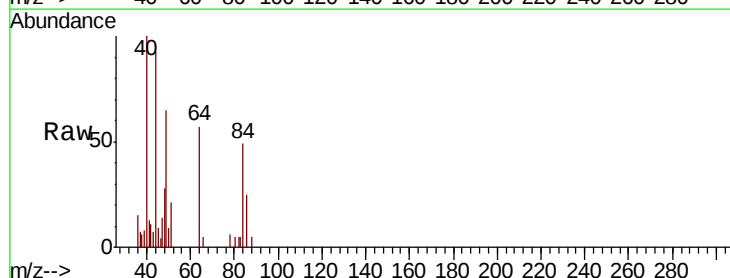
Ion Ratio Lower Upper

84 100

49 131.9 94.8 142.2

51 42.7 29.8 44.8

86 51.4 54.1 81.1#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

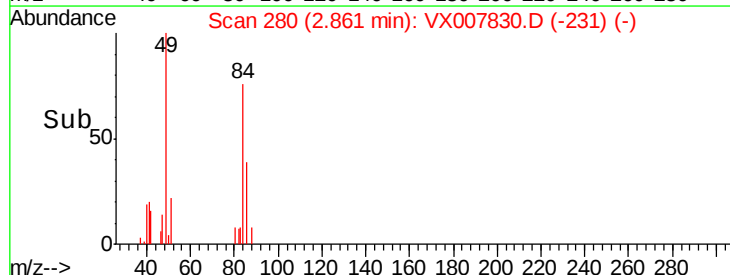
Ion 85.90 (85.60 to 86.60): VX0

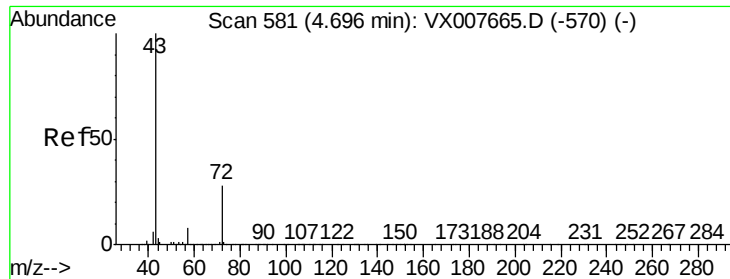
1000

500

0

Time-->

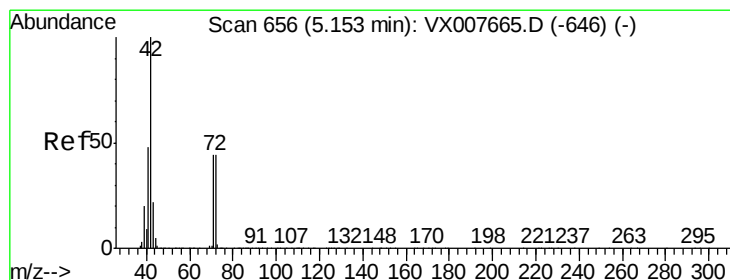
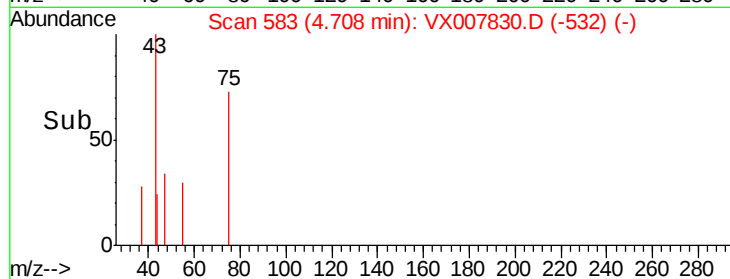
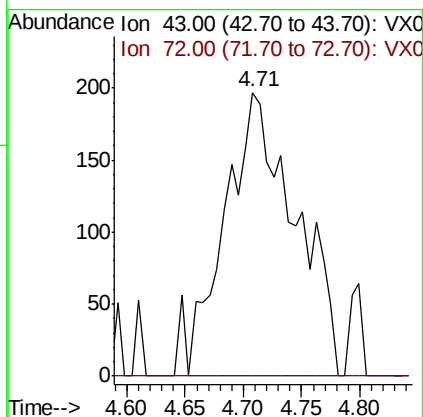
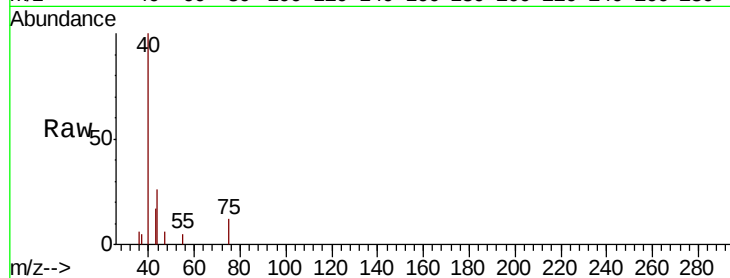




#25
2-Butanone
Concen: 0.290 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX007830.D
Acq: 05 Mar 2019 12:08

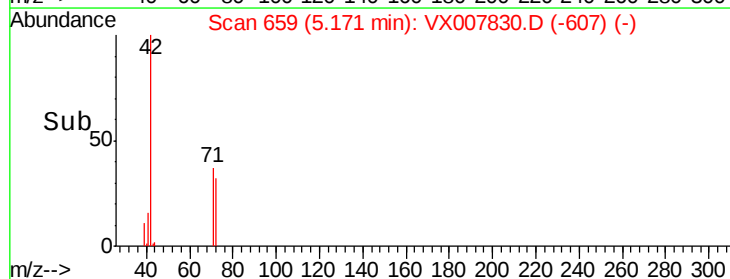
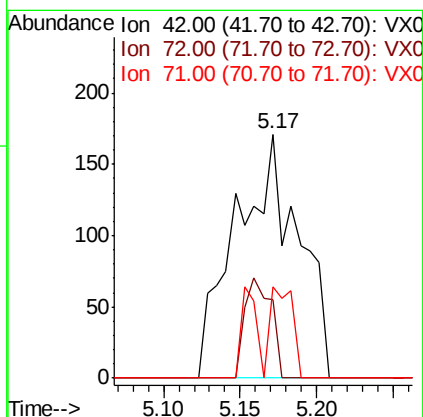
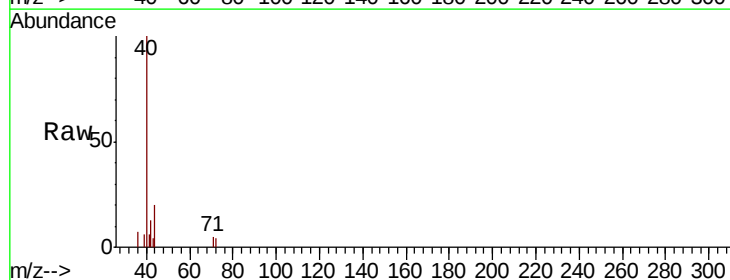
Instrument :
MSVOA_X
ClientSampled :
TB

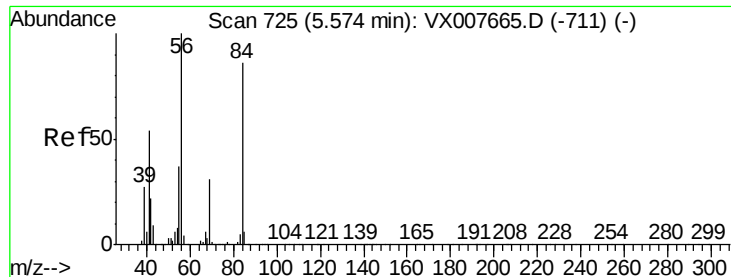
Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#



#29
Tetrahydrofuran
Concen: 0.259 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX007830.D
Acq: 05 Mar 2019 12:08

Tgt Ion: 42 Resp: 483
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 13.7 34.6 51.8#

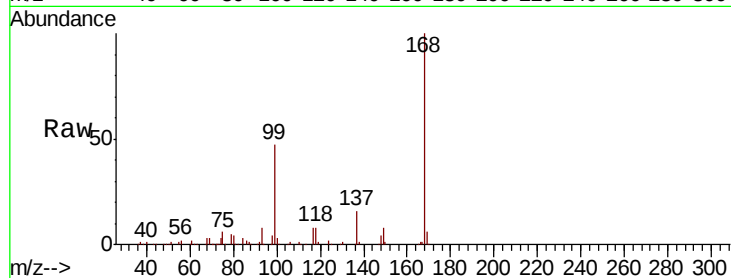




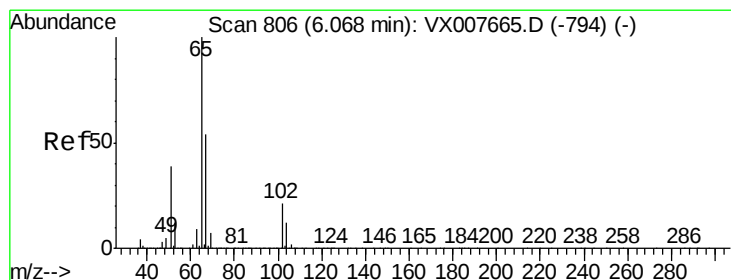
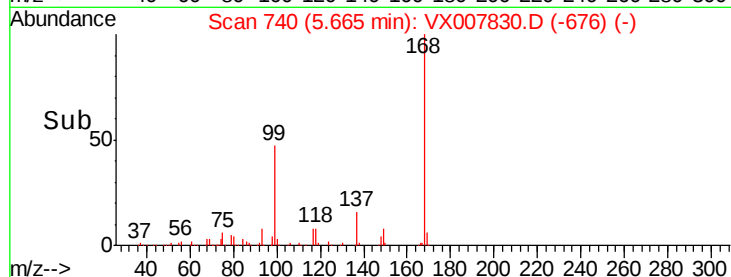
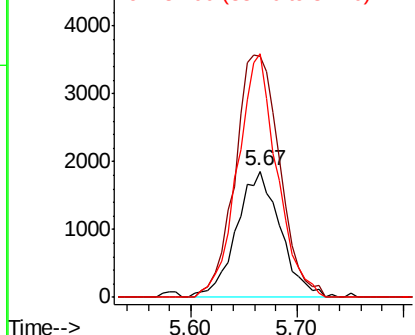
#31
Cyclohexane
Concen: 0.926 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007830.D
Acq: 05 Mar 2019 12:08

Instrument :
MSVOA_X
ClientSampled :
TB

Tgt Ion: 56 Resp: 5373
Ion Ratio Lower Upper
56 100
69 191.5 23.0 34.6#
84 193.3 69.8 104.6#

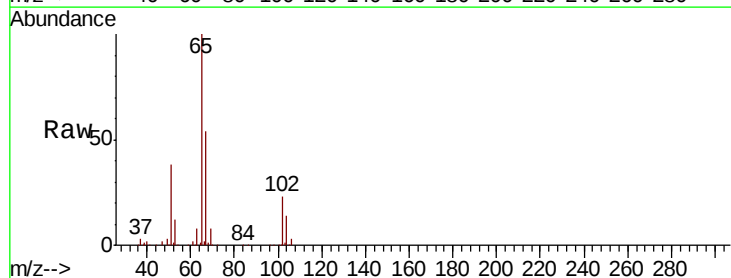


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

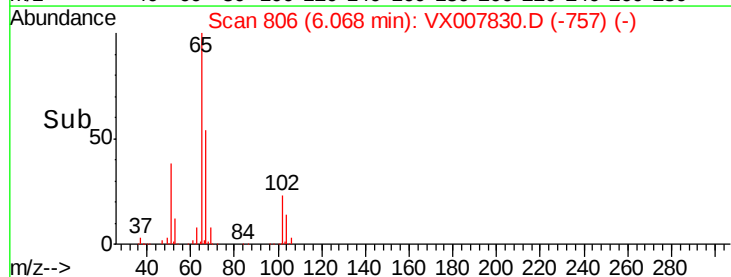
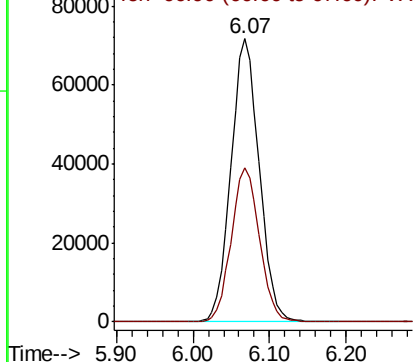


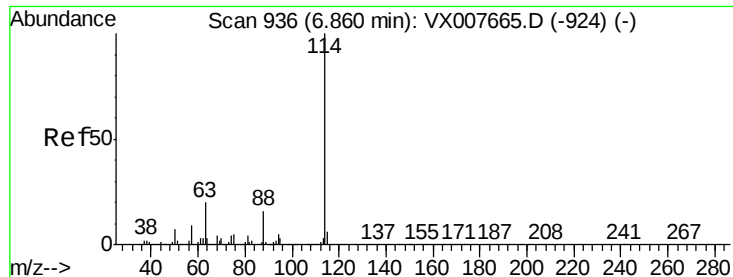
#33
1,2-Dichloroethane-d4
Concen: 43.910 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007830.D
Acq: 05 Mar 2019 12:08

Tgt Ion: 65 Resp: 183373
Ion Ratio Lower Upper
65 100
67 54.5 0.0 108.8



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: VX007830.D

Acq: 05 Mar 2019 12:08

Instrument :

MSVOA_X

ClientSampleId :

TB

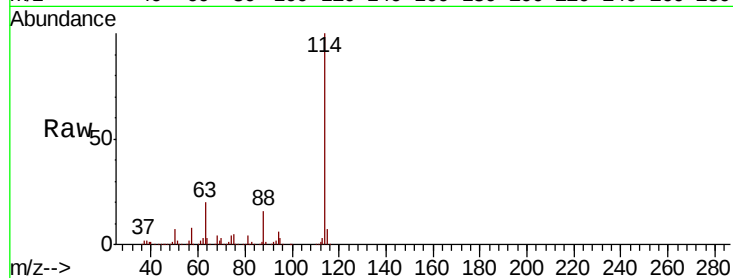
Tgt Ion:114 Resp: 524048

Ion Ratio Lower Upper

114 100

63 19.8 0.0 35.6

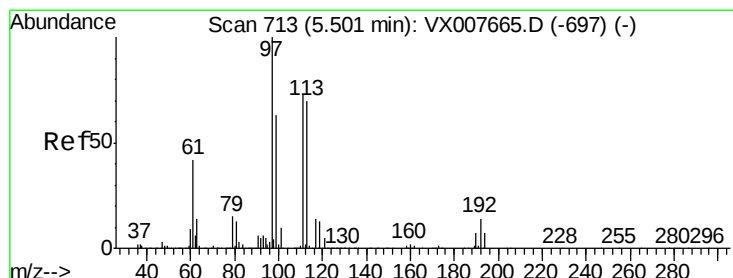
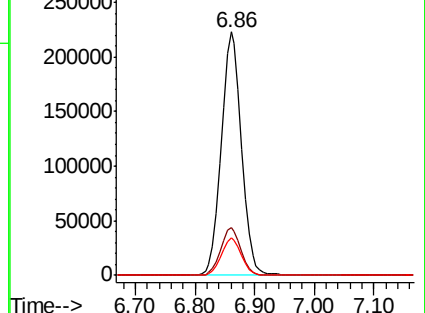
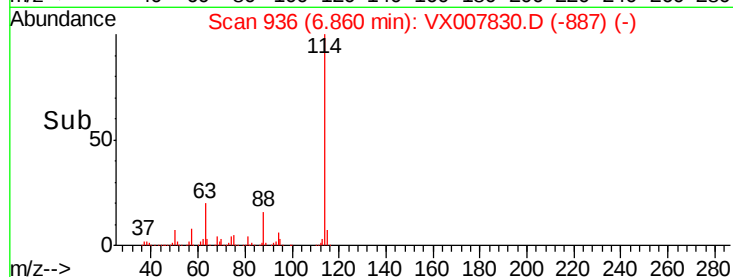
88 15.6 0.0 29.6



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: 48.537 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007830.D

Acq: 05 Mar 2019 12:08

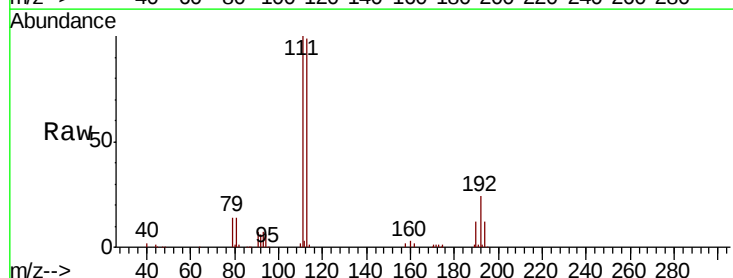
Tgt Ion:113 Resp: 170031

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

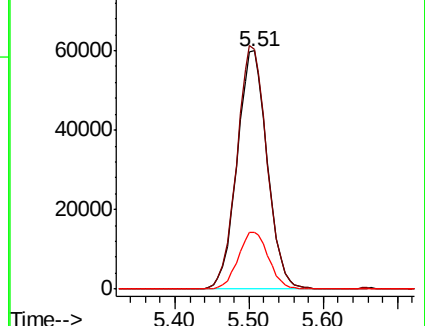
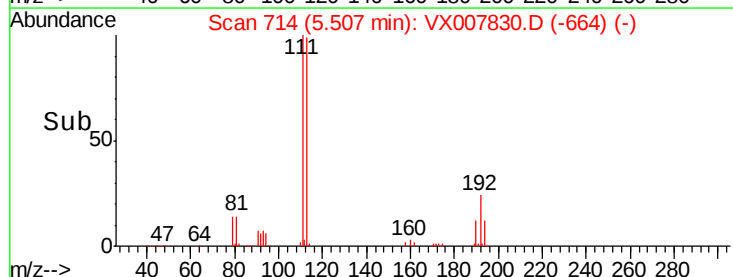
192 24.3 18.5 27.7

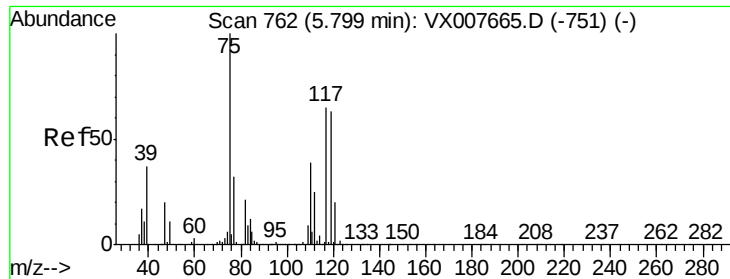


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

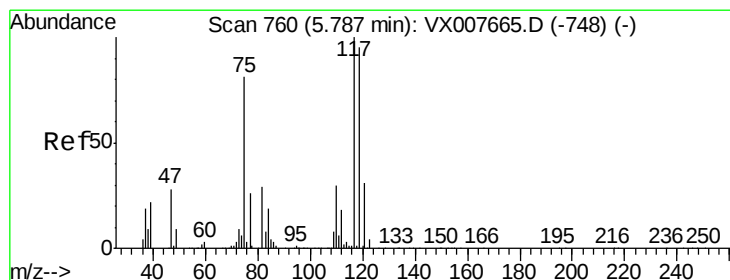
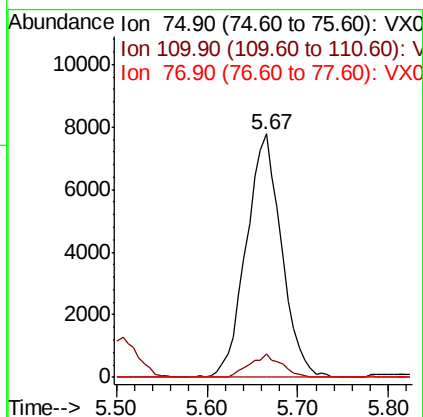
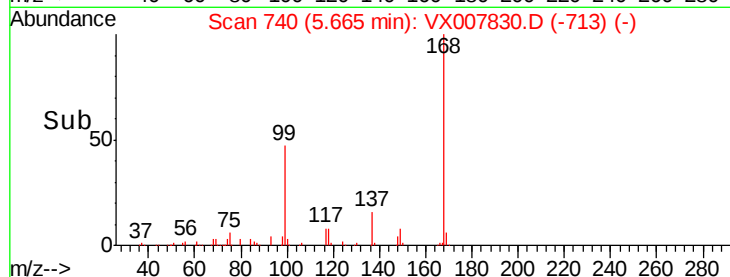
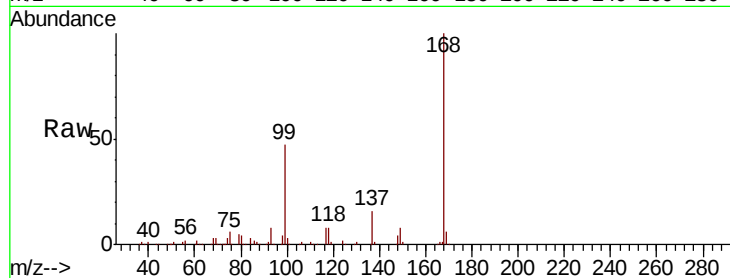




#36
 1,1-Dichloropropene
 Concen: 4.454 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007830.D
 Acq: 05 Mar 2019 12:08

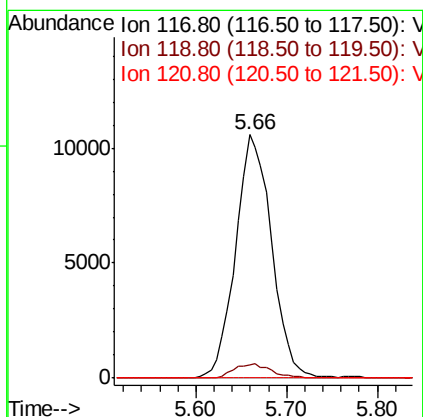
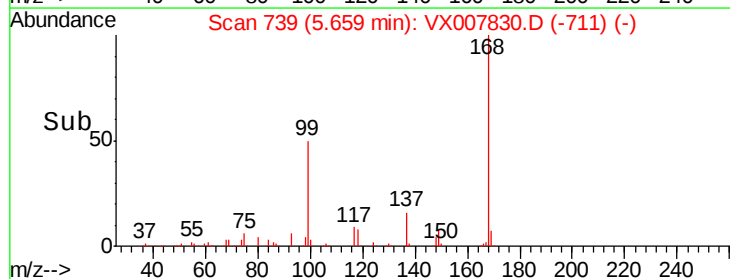
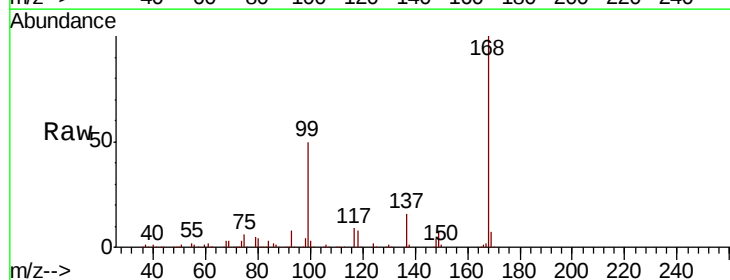
Instrument :
 MSVOA_X
 ClientSampled :
 TB

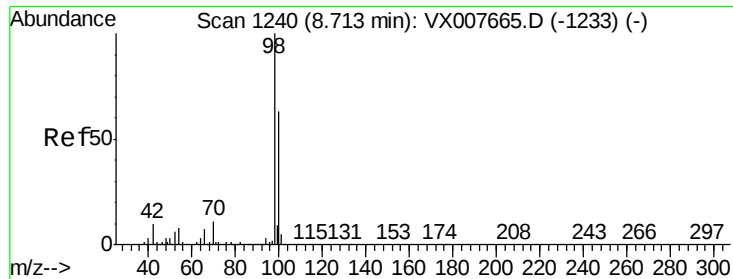
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	20.0	59.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.144 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX007830.D
 Acq: 05 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.3	112.9#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: 47.236 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007830.D

Acq: 05 Mar 2019 12:08

Instrument :

MSVOA_X

ClientSampled :

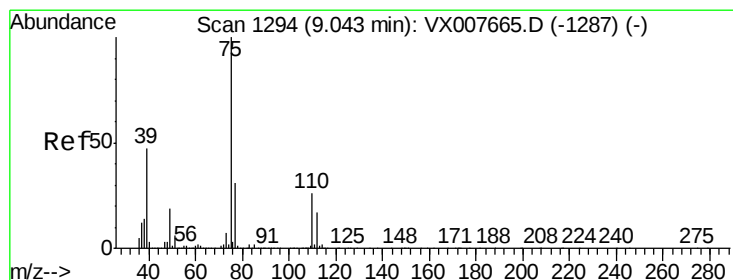
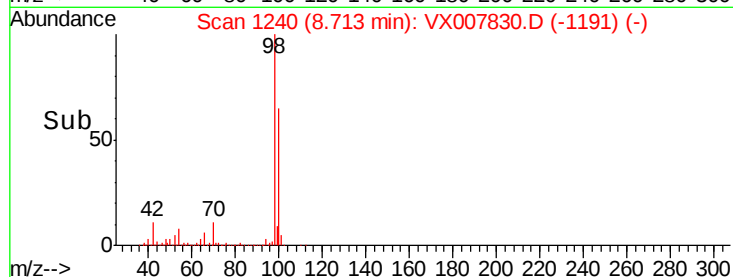
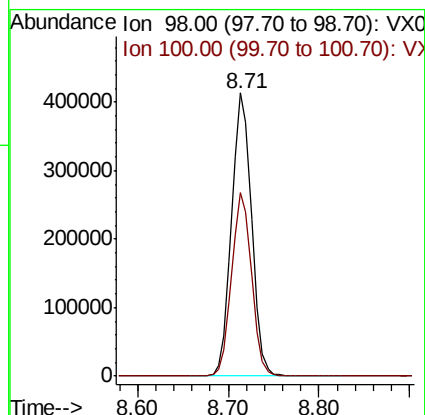
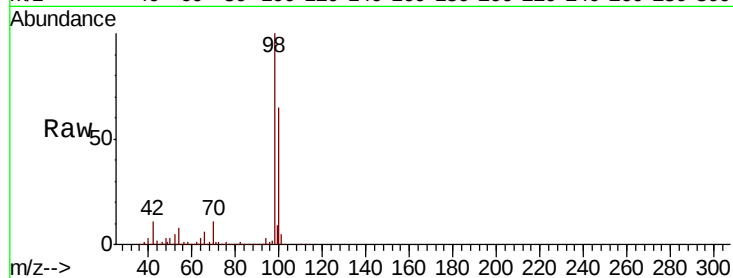
TB

Tgt Ion: 98 Resp: 633491

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



#53

t-1,3-Dichloropropene

Concen: 2.828 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX007830.D

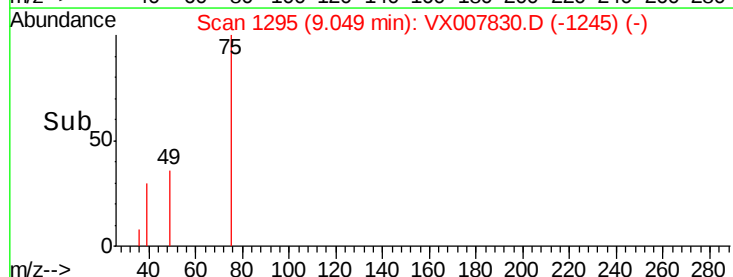
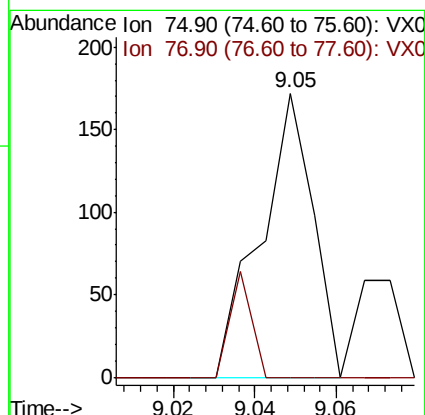
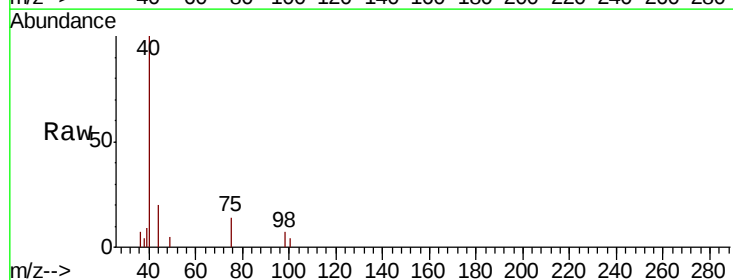
Acq: 05 Mar 2019 12:08

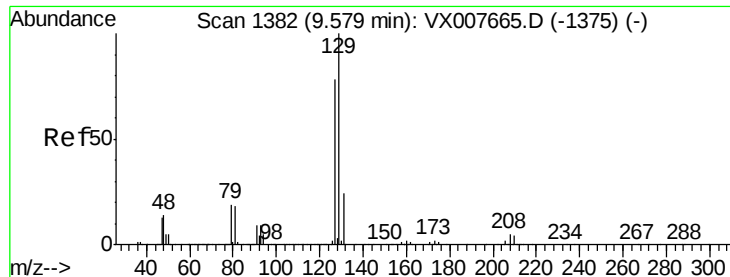
Tgt Ion: 75 Resp: 155

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

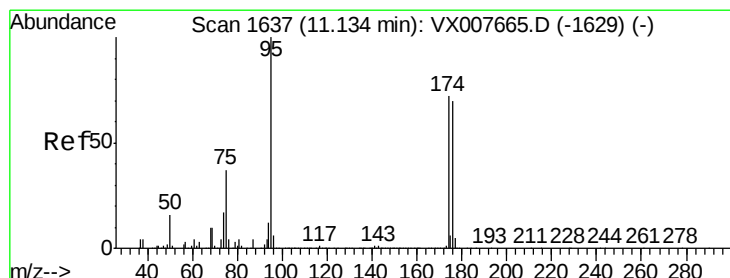
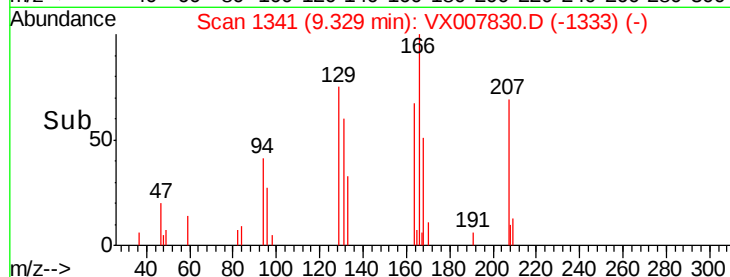
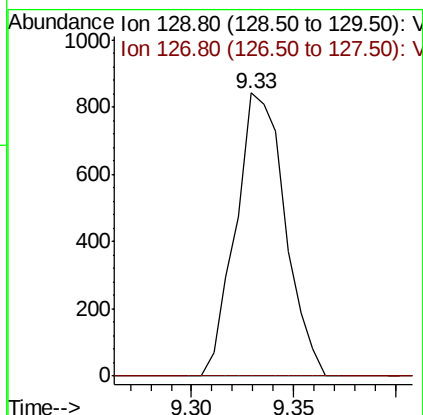
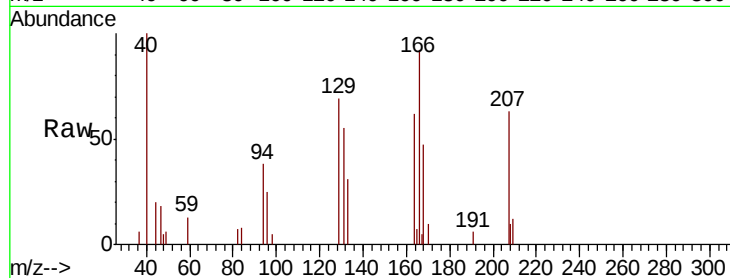




#60
Dibromochloromethane
Concen: 0.384 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.25 min
Lab File: VX007830.D
Acq: 05 Mar 2019 12:08

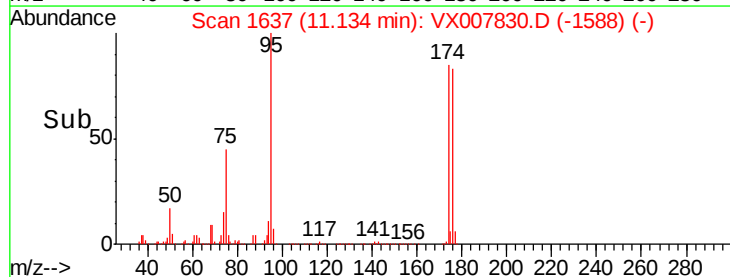
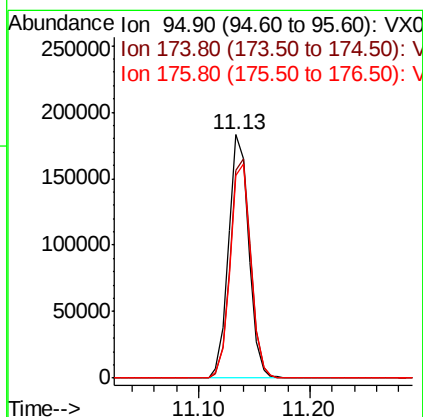
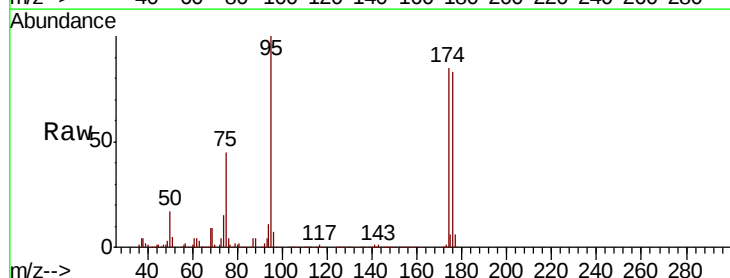
Instrument :
MSVOA_X
ClientSampleId :
TB

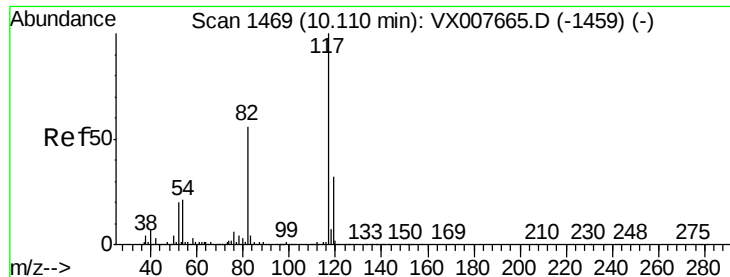
Tgt Ion: 129 Resp: 1413
Ion Ratio Lower Upper
129 100
127 0.0 37.8 113.4#



#62
4-Bromofluorobenzene
Concen: 46.773 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007830.D
Acq: 05 Mar 2019 12:08

Tgt Ion: 95 Resp: 230236
Ion Ratio Lower Upper
95 100
174 92.0 0.0 189.2
176 89.6 0.0 186.2

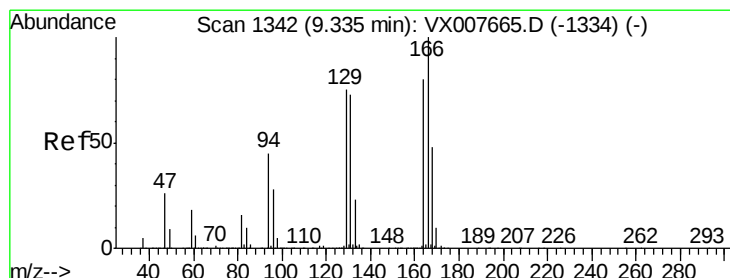
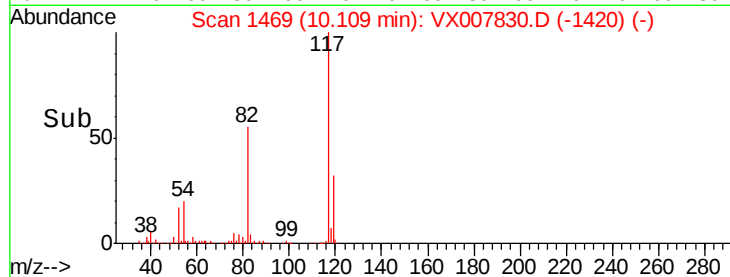
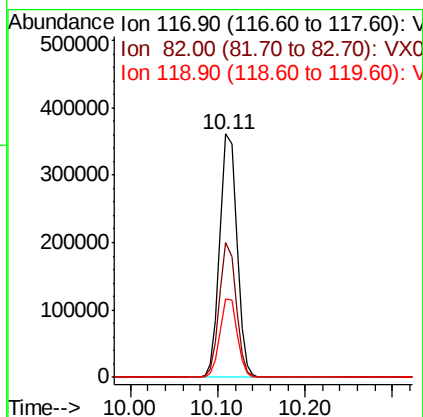
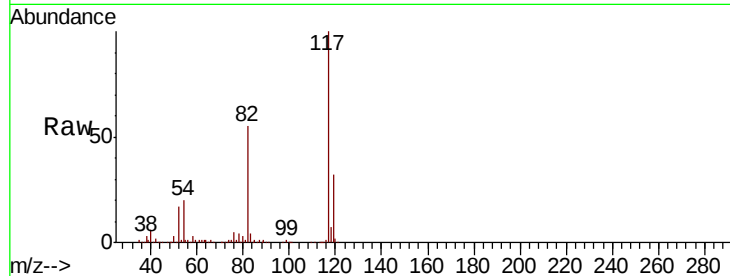




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007830.D
Acq: 05 Mar 2019 12:08

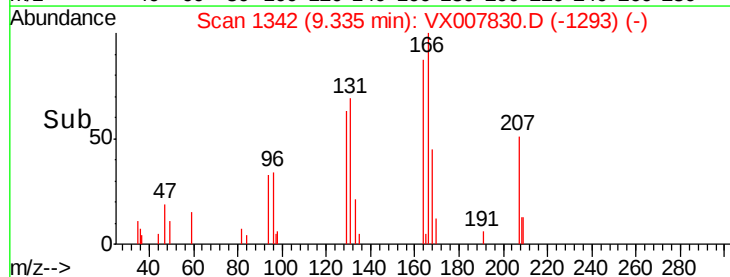
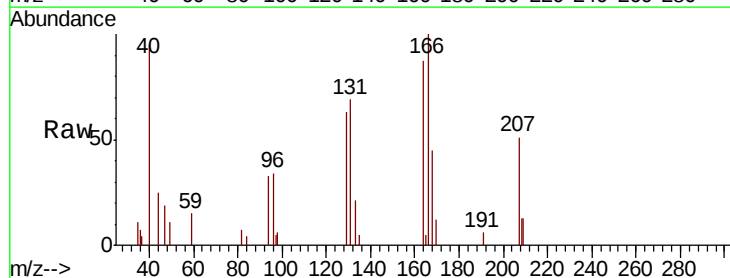
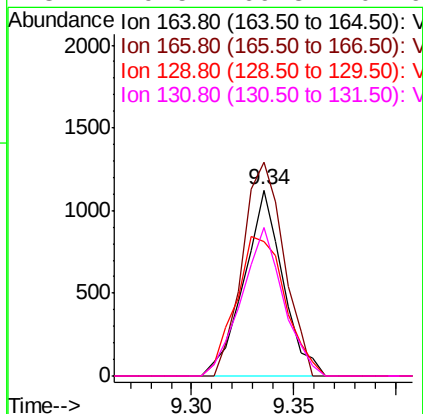
Instrument :
MSVOA_X
ClientSampleId :
TB

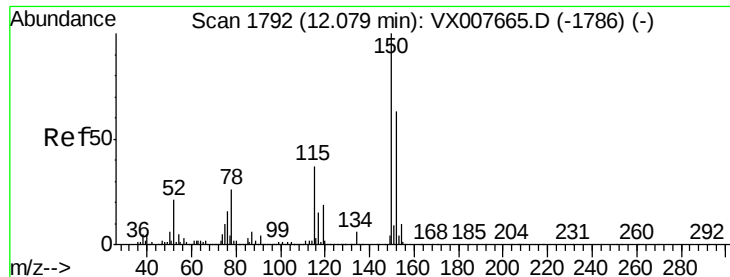
Tgt Ion:117 Resp: 490821
Ion Ratio Lower Upper
117 100
82 55.2 42.1 63.1
119 32.1 26.5 39.7



#64
Tetrachloroethene
Concen: 0.373 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007830.D
Acq: 05 Mar 2019 12:08

Tgt Ion:164 Resp: 1486
Ion Ratio Lower Upper
164 100
166 114.9 101.0 151.4
129 72.1 70.5 105.7
131 79.5 69.8 104.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007830.D

Acq: 05 Mar 2019 12:08

Instrument :

MSVOA_X

ClientSampleId :

TB

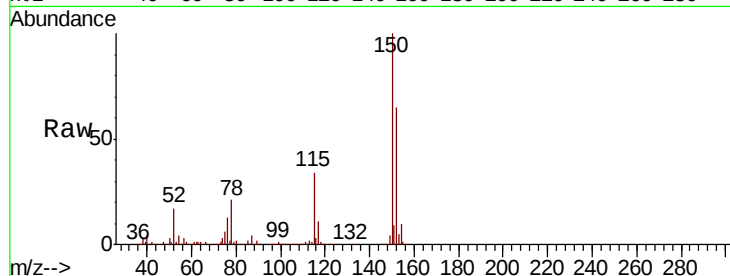
Tgt Ion: 152 Resp: 237924

Ion Ratio Lower Upper

152 100

115 54.1 38.0 114.0

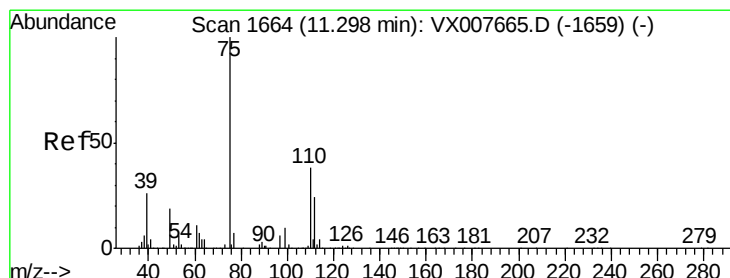
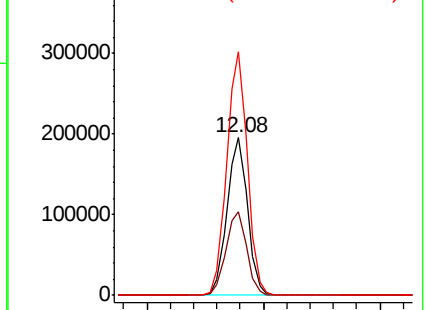
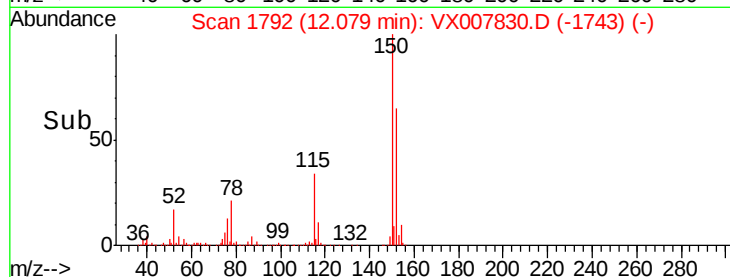
150 155.8 0.0 346.4



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: 20.867 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007830.D

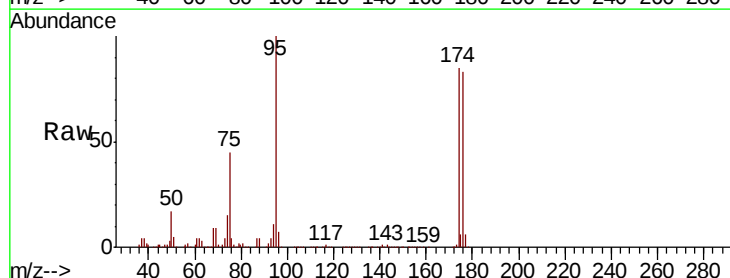
Acq: 05 Mar 2019 12:08

Tgt Ion: 75 Resp: 105828

Ion Ratio Lower Upper

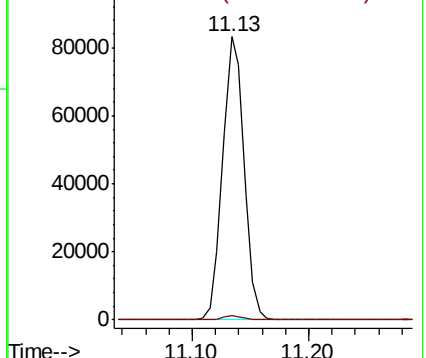
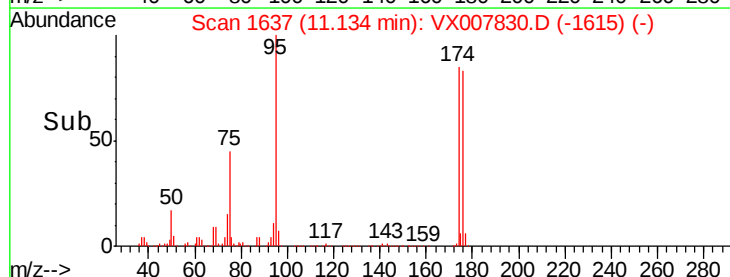
75 100

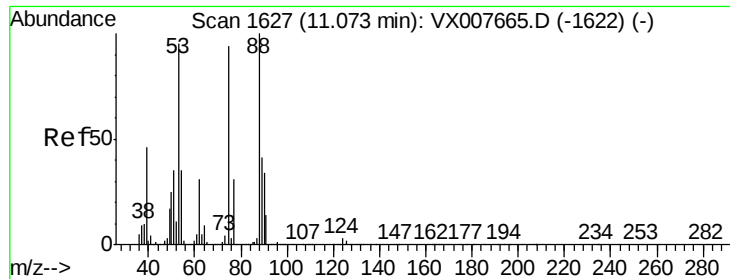
77 1.3 23.0 69.0#



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: 55.562 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007830.D

Acq: 05 Mar 2019 12:08

Instrument :

MSVOA_X

ClientSampleId :

TB

Tgt Ion: 75 Resp: 105828

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 41.4 62.0#

