

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
 Data File : VX007458.D
 Acq On : 11 Feb 2019 10:53
 Operator : JC/SP
 Sample : VX0211WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBL01

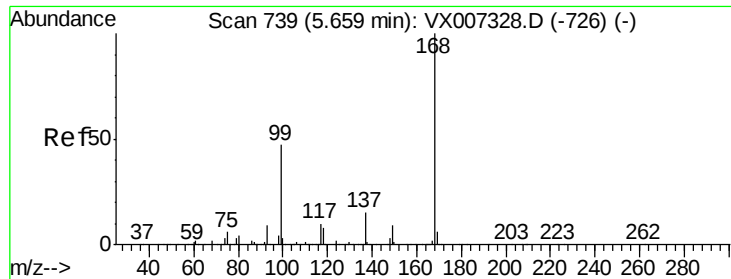
Quant Time: Feb 11 23:59:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	499727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	779629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	729703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	361217	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	276954	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
35) Dibromofluoromethane	5.50	113	253435	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	8.71	98	931261	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	329768	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	276	0.222	ug/l #	58
3) Chloromethane	1.33	50	1401	0.249	ug/l #	84
5) Bromomethane	1.63	94	175	Below Cal	#	44
11) Tert butyl alcohol	3.04	59	1413	1.287	ug/l #	69
13) Acrolein	2.28	56	464	0.901	ug/l #	14
15) Acrylonitrile	3.16	53	733	0.270	ug/l #	68
16) Acetone	2.43	43	1578	0.649	ug/l #	71
17) Carbon Disulfide	2.57	76	2229	2.292	ug/l #	33
18) Methyl Acetate	2.78	43	1977	0.902	ug/l #	82
20) Methylene Chloride	2.85	84	1266	Below Cal	#	64
25) 2-Butanone	4.70	43	891	0.258	ug/l	97
28) Bromochloromethane	5.02	49	832	0.220	ug/l #	12
36) 1,1-Dichloropropene	5.66	75	33198	4.746	ug/l #	50
38) Carbon Tetrachloride	5.66	117	44750	6.594	ug/l #	19
49) 1,4-Dioxane	7.61	88	181	8.327	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	158534	22.564	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	158534	68.072	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

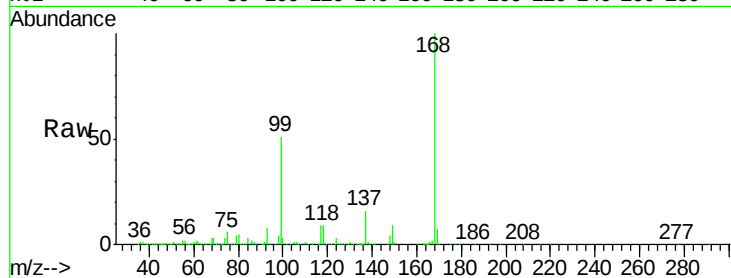
VX0211WBL01

Tot Ion:168 Resp: 499727

Ion Ratio Lower Upper

168 100

99 50.8 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

200000

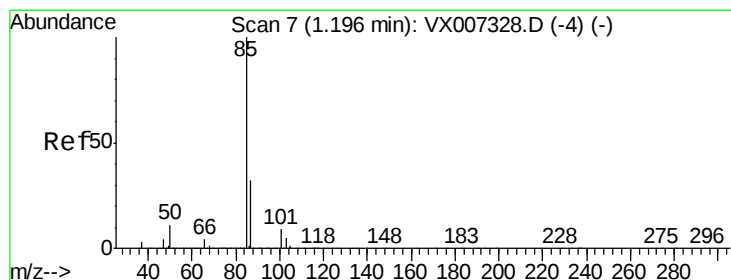
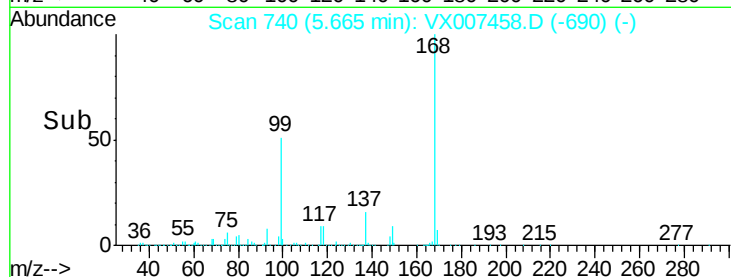
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.222 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.01 min

Lab File: VX007458.D

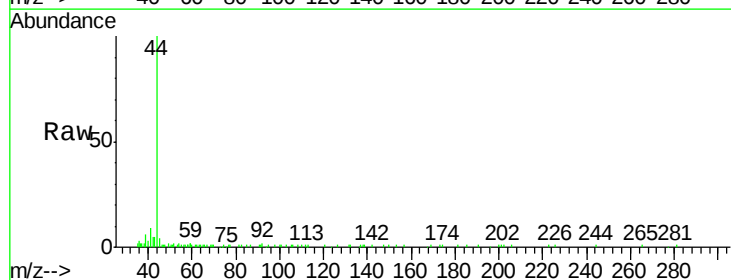
Acq: 11 Feb 2019 10:53

Tgt Ion: 85 Resp: 276

Ion Ratio Lower Upper

85 100

87 55.2 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

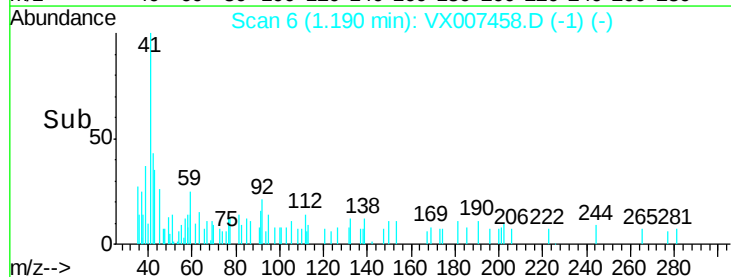
150

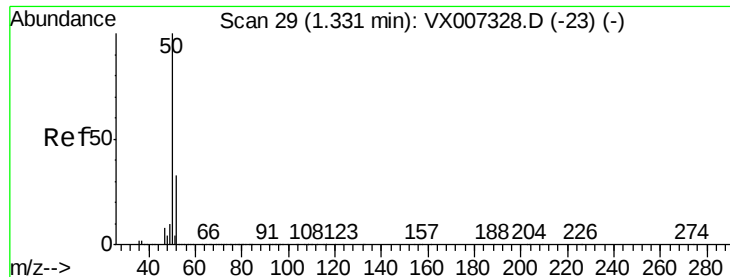
100

50

0

Time--> 1.15 1.20





#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampled :

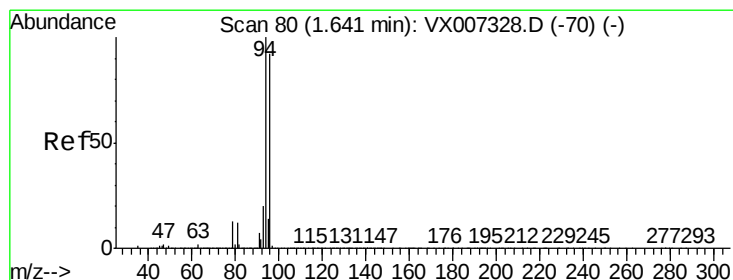
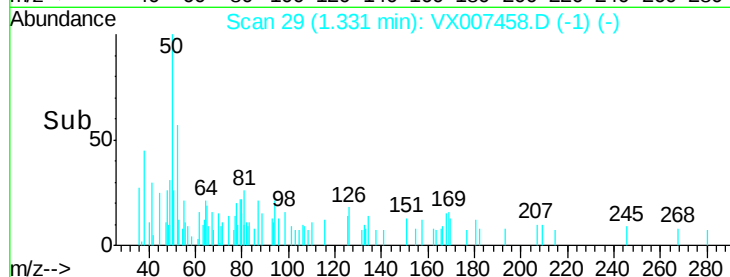
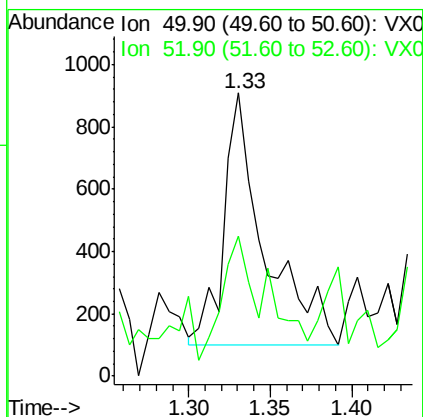
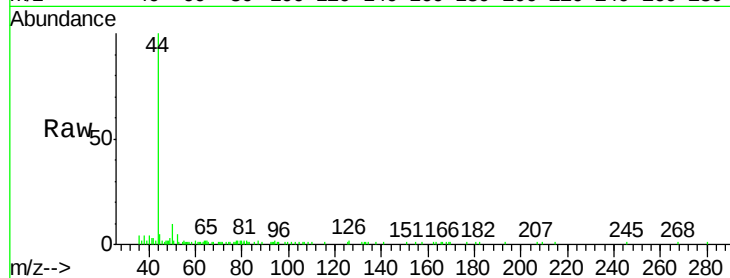
VX0211WBL01

Tot Ion: 50 Resp: 1401

Ion Ratio Lower Upper

50 100

52 23.6 26.1 39.1#



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX007458.D

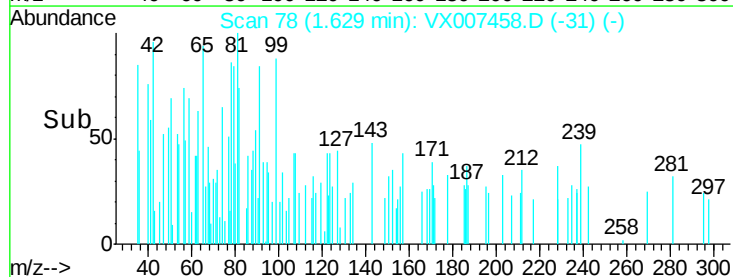
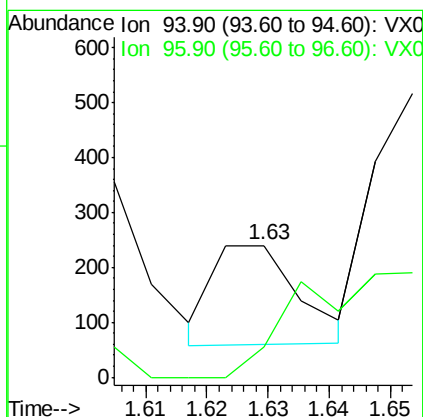
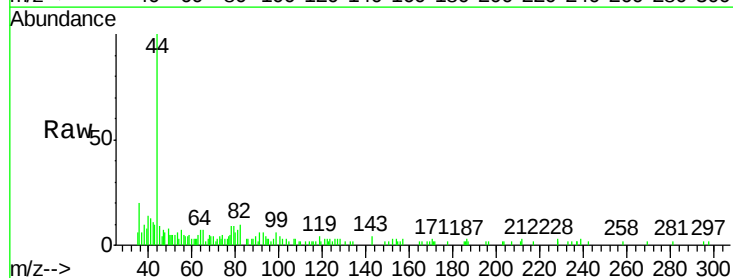
Acq: 11 Feb 2019 10:53

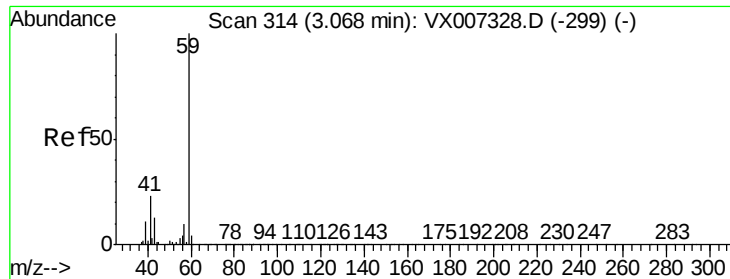
Tgt Ion: 94 Resp: 175

Ion Ratio Lower Upper

94 100

96 39.0 73.9 110.9#



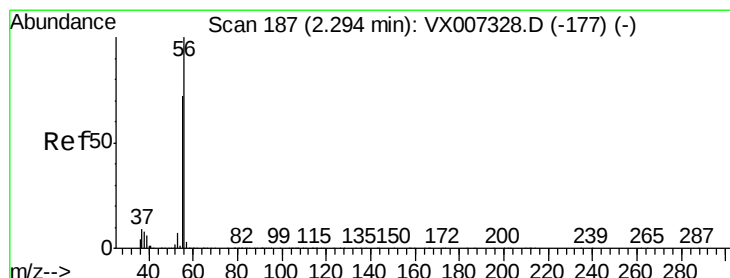
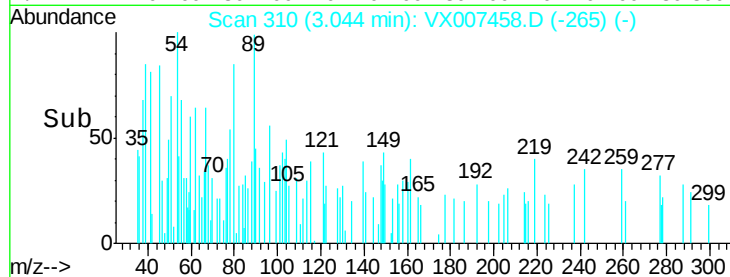
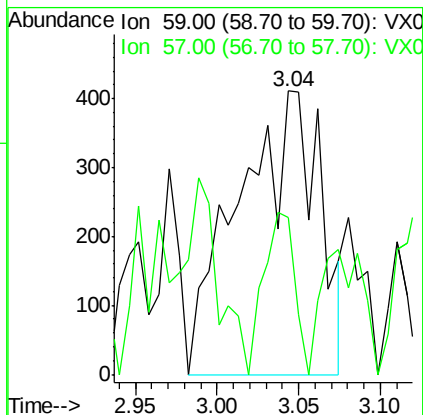
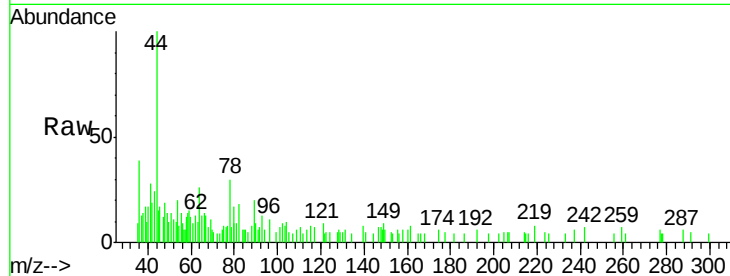


#11

Tert butyl alcohol
 Concen: 1.287 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.02 min
 Lab File: VX007458.D
 Acq: 11 Feb 2019 10:53

Instrument :
 MSVOA_X
 ClientSampled :
 VX0211WBL01

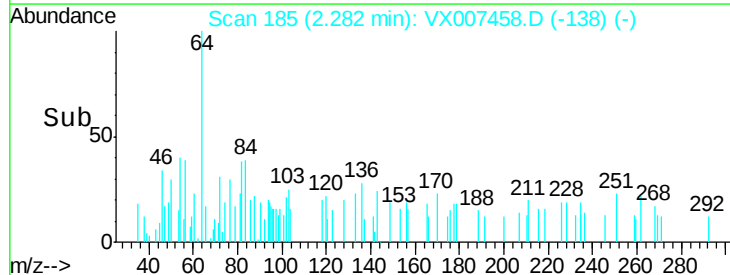
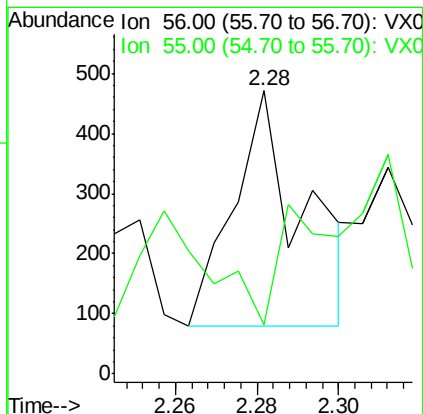
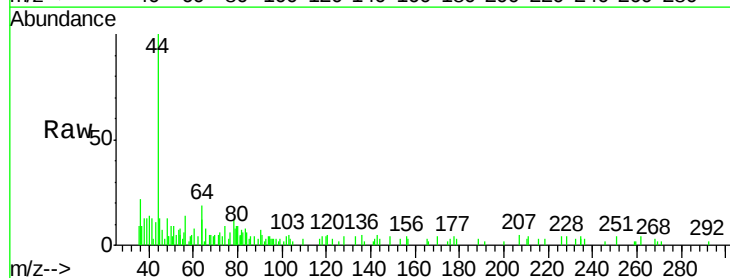
Tot Ion: 59 Resp: 1413
 Ion Ratio Lower Upper
 59 100
 57 21.6 8.1 12.1#

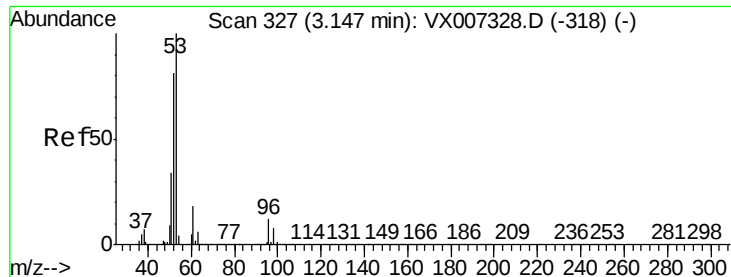


#13

Acrolein
 Concen: 0.901 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX007458.D
 Acq: 11 Feb 2019 10:53

Tgt Ion: 56 Resp: 464
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#15

Acrylonitrile

Concen: 0.270 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBL01

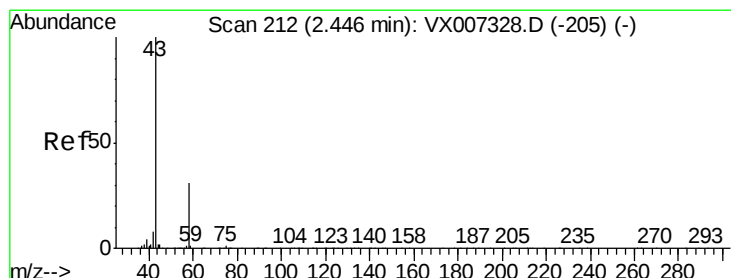
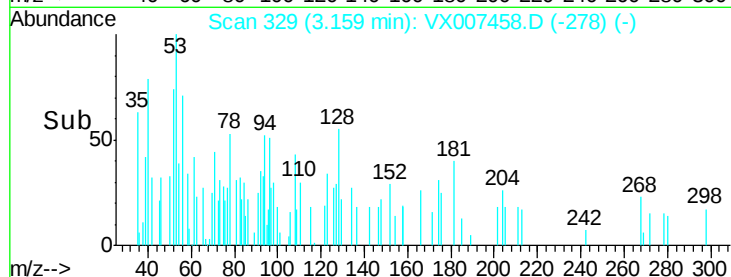
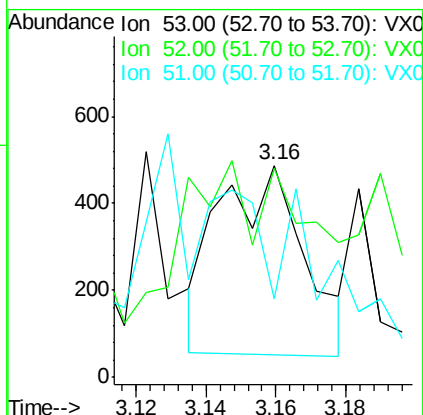
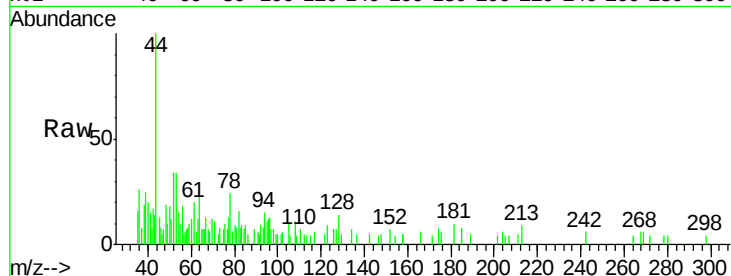
Tot Ion: 53 Resp: 733

Ion Ratio Lower Upper

53 100

52 65.3 66.4 99.6#

51 0.0 28.4 42.6#



#16

Acetone

Concen: 0.649 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX007458.D

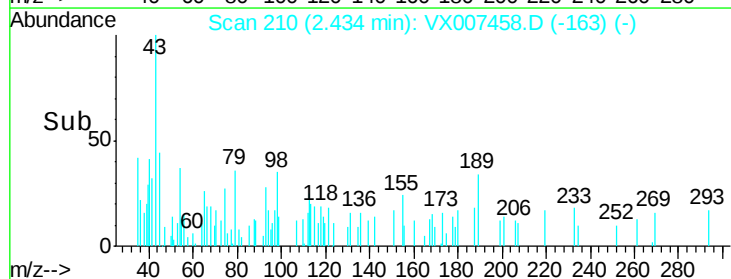
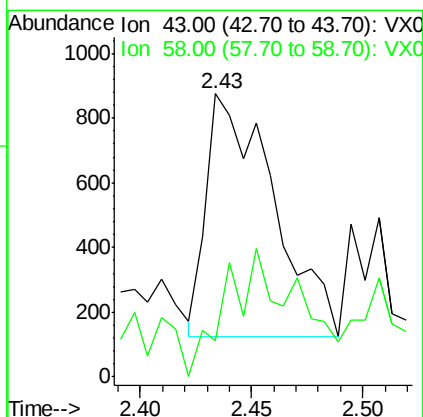
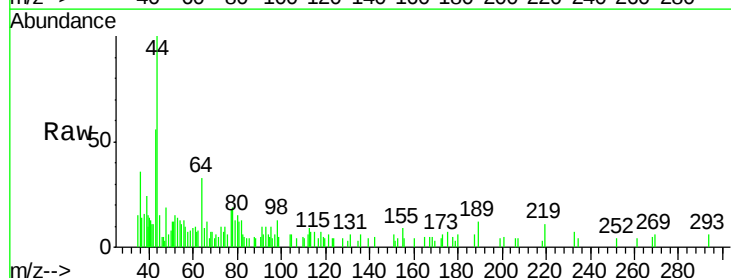
Acq: 11 Feb 2019 10:53

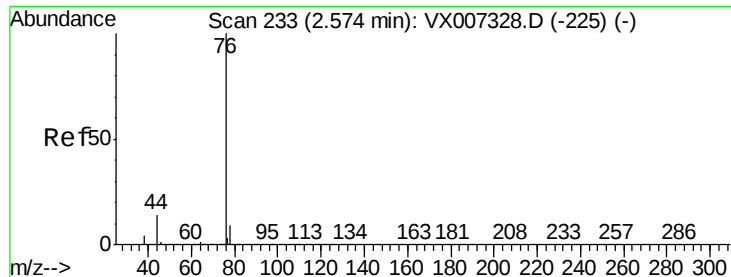
Tgt Ion: 43 Resp: 1578

Ion Ratio Lower Upper

43 100

58 14.9 24.9 37.3#





#17

Carbon Disulfide

Concen: 2.292 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

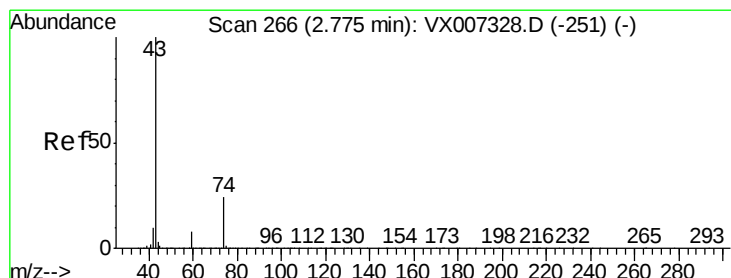
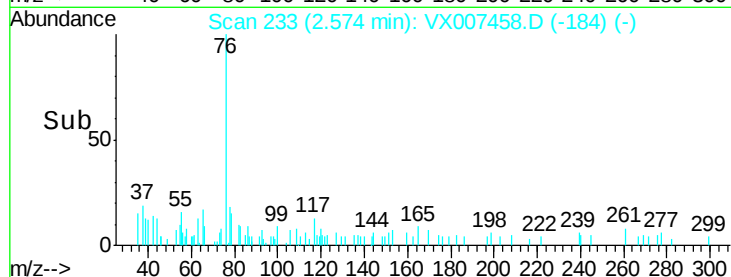
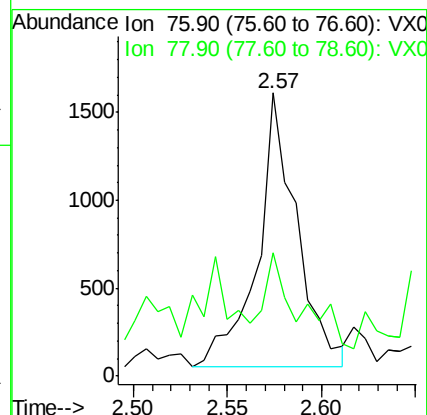
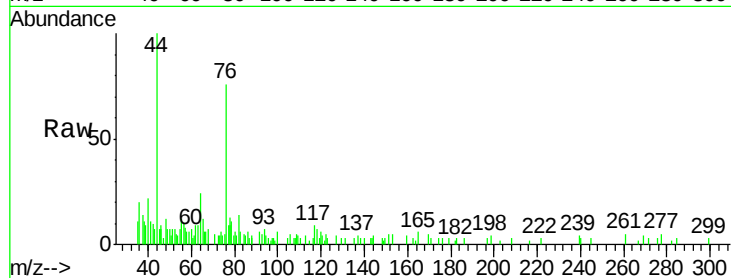
VX0211WBL01

Tot Ion: 76 Resp: 2229

Ion Ratio Lower Upper

76 100

78 33.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.902 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007458.D

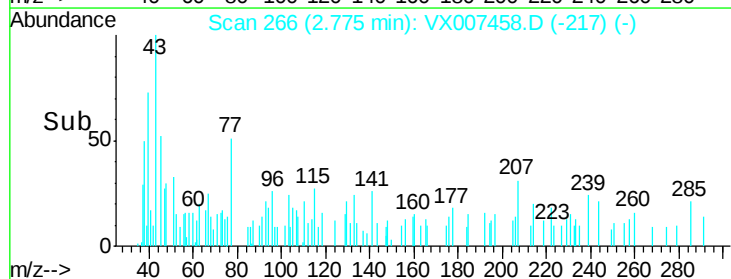
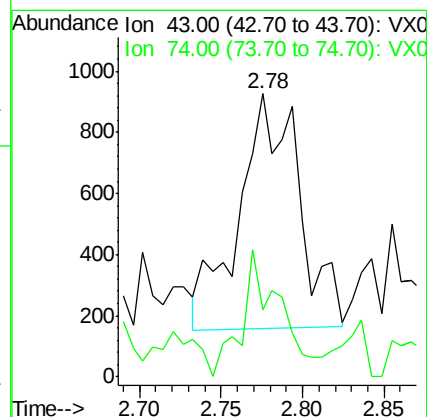
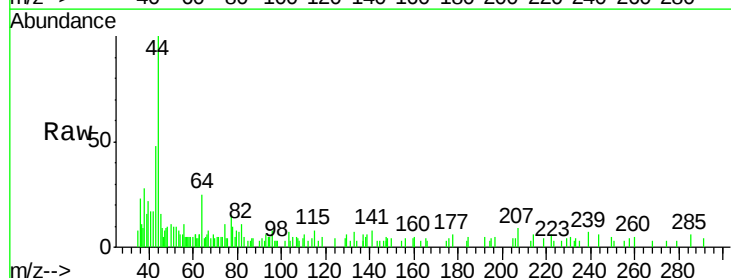
Acq: 11 Feb 2019 10:53

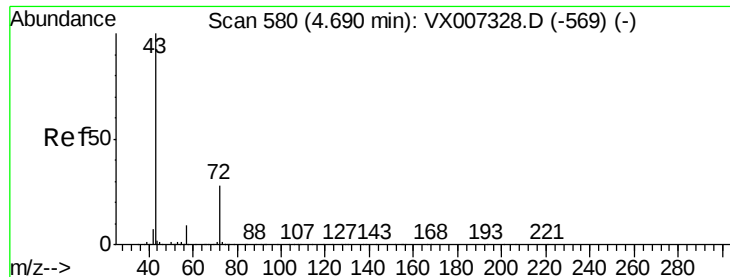
Tgt Ion: 43 Resp: 1977

Ion Ratio Lower Upper

43 100

74 33.3 19.4 29.2#





#25

2-Butanone

Concen: 0.258 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

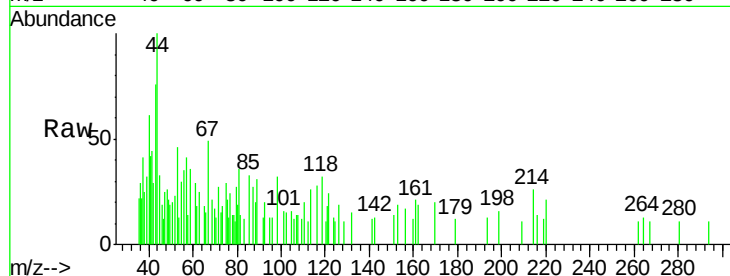
VX0211WBL01

Tot Ion: 43 Resp: 891

Ion Ratio Lower Upper

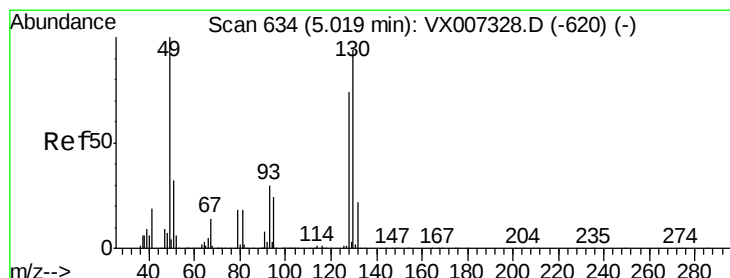
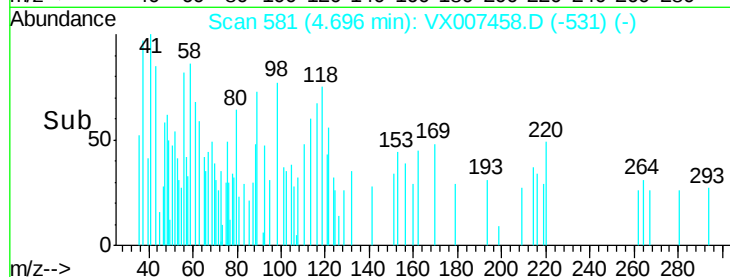
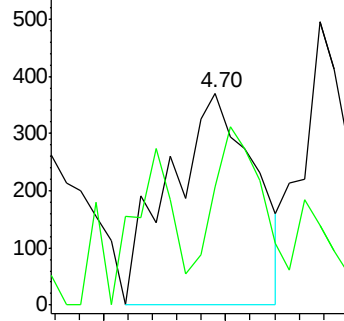
43 100

72 26.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: 0.220 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

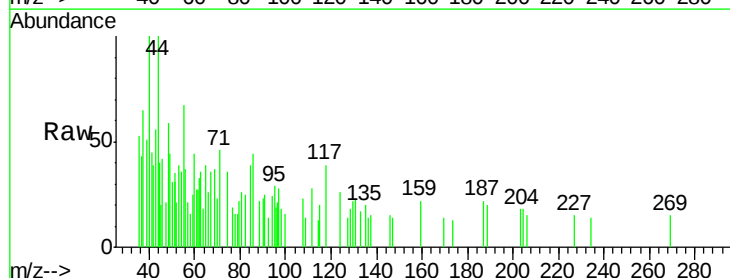
Tgt Ion: 49 Resp: 832

Ion Ratio Lower Upper

49 100

129 7.2 0.0 5.6#

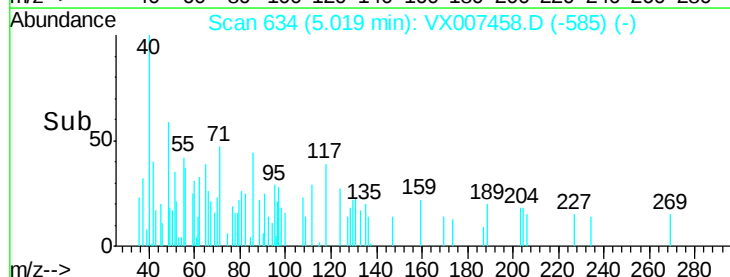
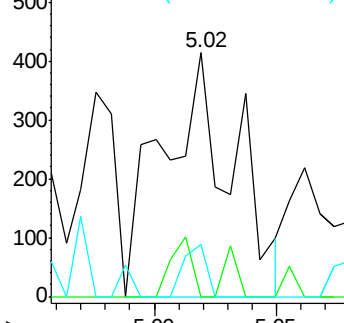
130 6.9 75.6 113.4#

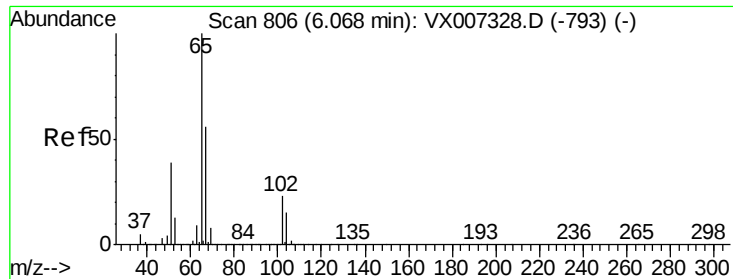


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

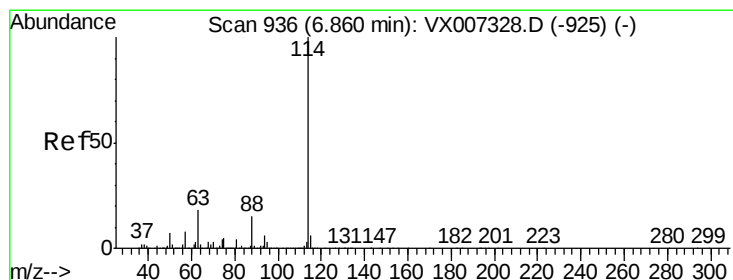
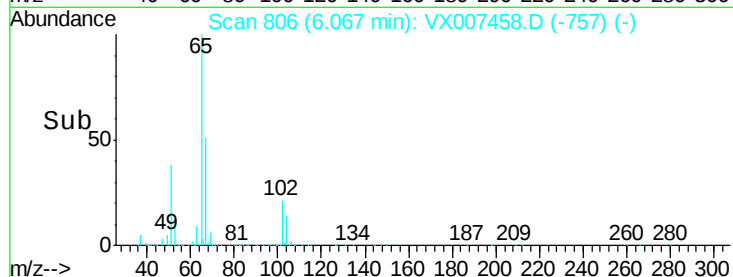
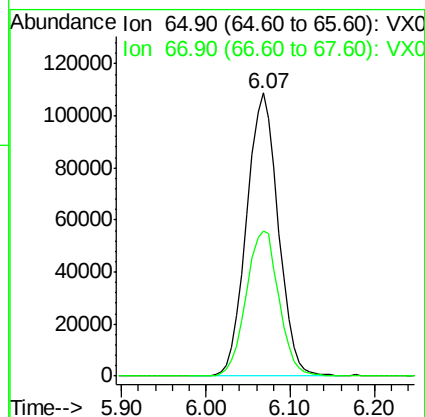
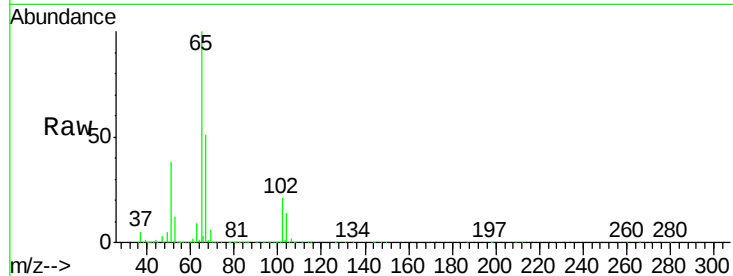




#33
 1,2-Dichloroethane-d4
 Concen: 52.214 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007458.D
 Acq: 11 Feb 2019 10:53

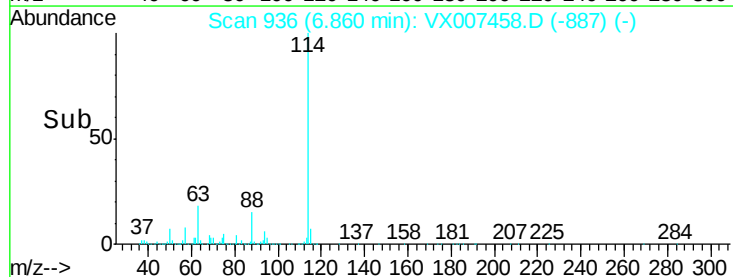
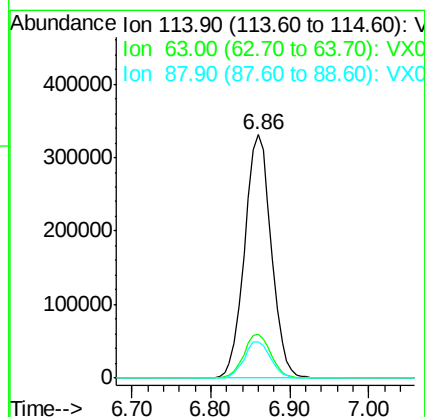
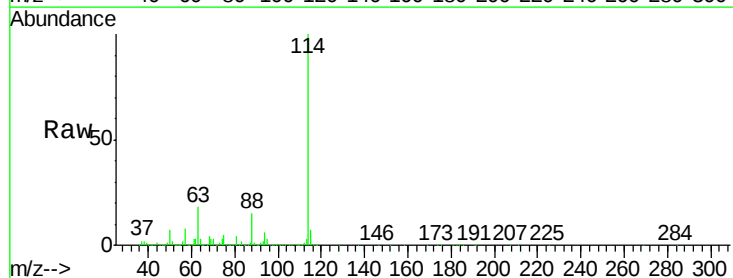
Instrument :
 MSVOA_X
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 VX0211WBL01

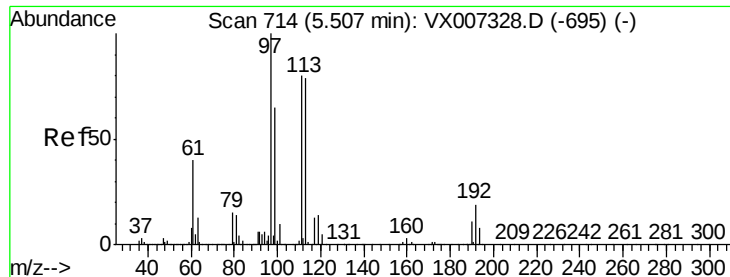
Tot Ion: 65 Resp: 276954
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007458.D
 Acq: 11 Feb 2019 10:53

Tgt Ion: 114 Resp: 779629
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.6
 88 14.9 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.960 ug/l

RT: 5.50 min Scan# 713

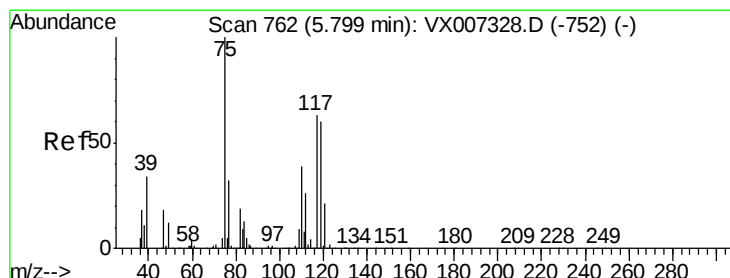
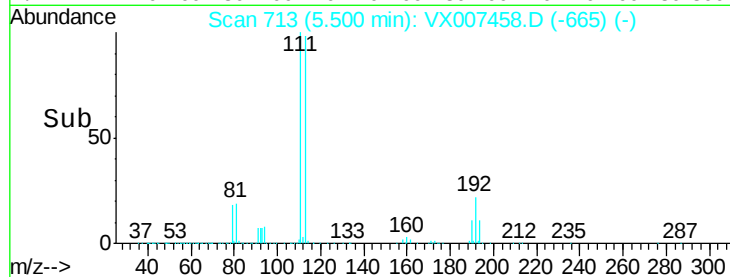
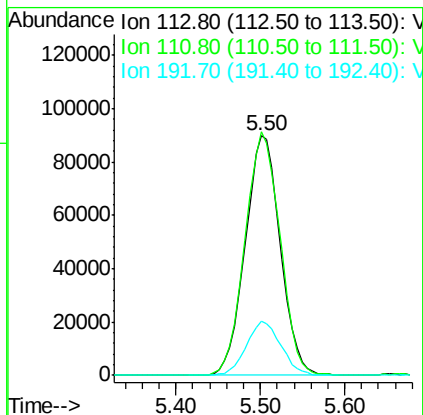
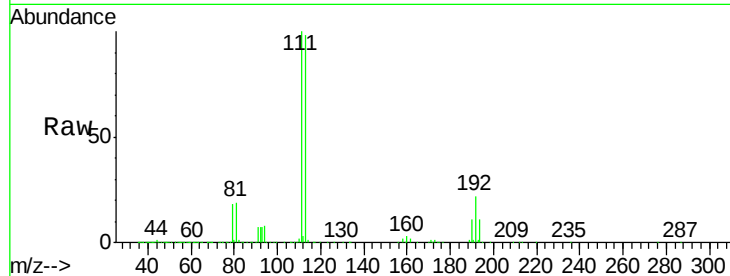
Delta R.T. -0.01 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

Tot Ion:	113	Resp:	253435
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	22.3	18.5	27.7



#36

1,1-Dichloropropene

Concen: 4.746 ug/l

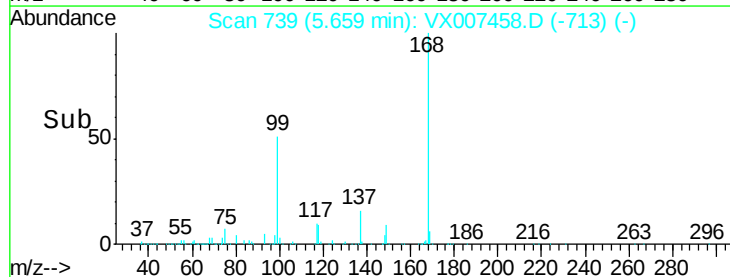
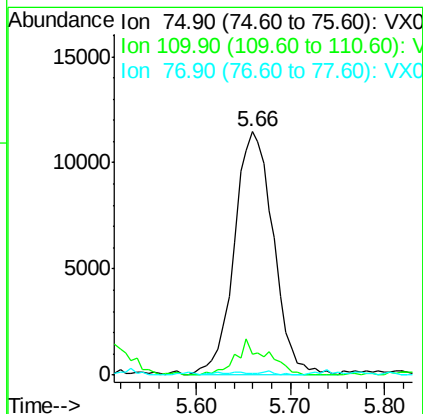
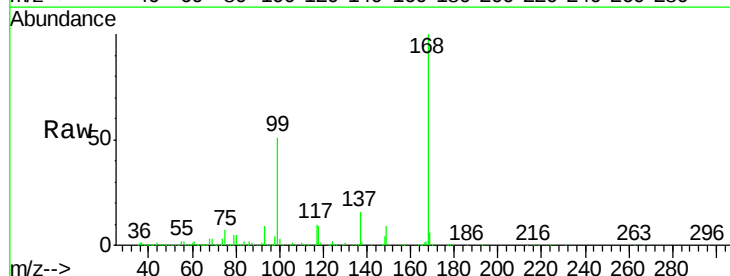
RT: 5.66 min Scan# 739

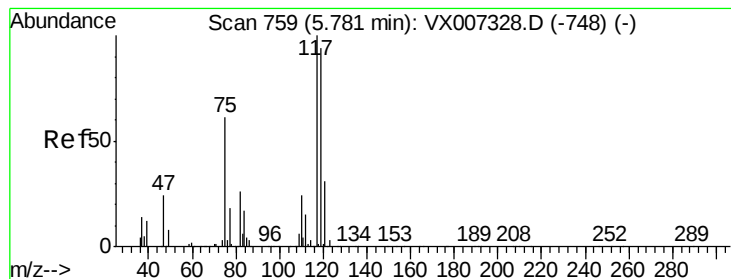
Delta R.T. -0.14 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

Tgt Ion:	75	Resp:	33198
Ion	Ratio	Lower	Upper
75	100		
110	11.8	20.0	59.9#
77	0.4	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.594 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBL01

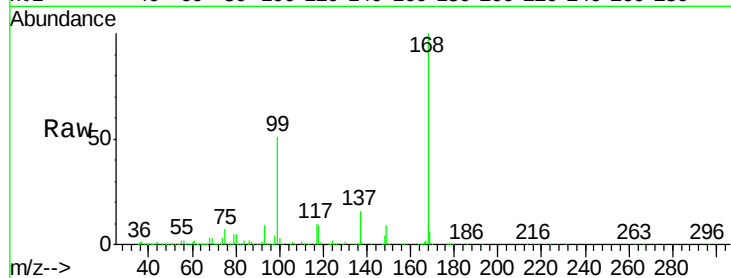
Tot Ion:117 Resp: 44750

Ion Ratio Lower Upper

117 100

119 7.5 75.3 112.9#

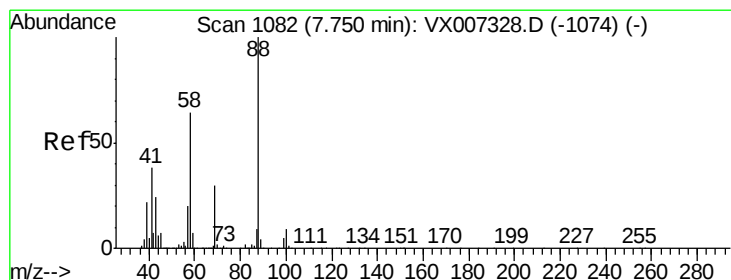
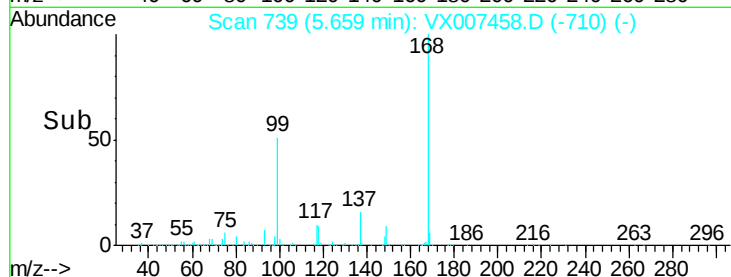
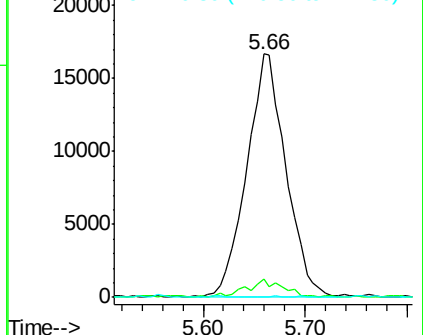
121 0.0 25.0 37.4#



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



#49

1,4-Dioxane

Concen: 8.327 ug/l

RT: 7.61 min Scan# 1059

Delta R.T. -0.14 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

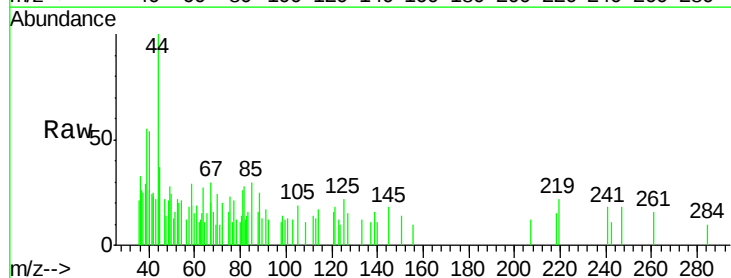
Tgt Ion: 88 Resp: 181

Ion Ratio Lower Upper

88 100

43 28.7 24.2 36.4

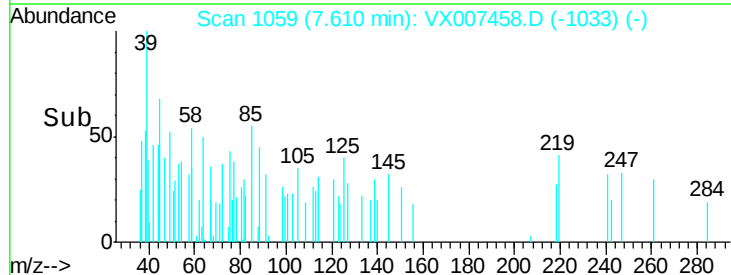
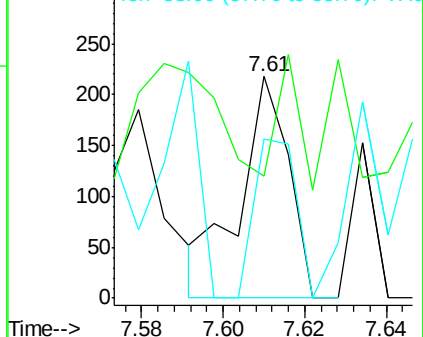
58 62.4 53.0 79.4

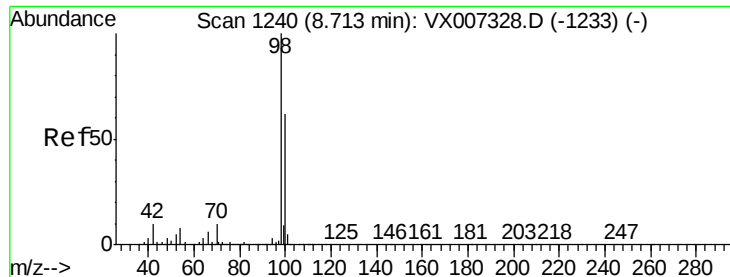


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.480 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

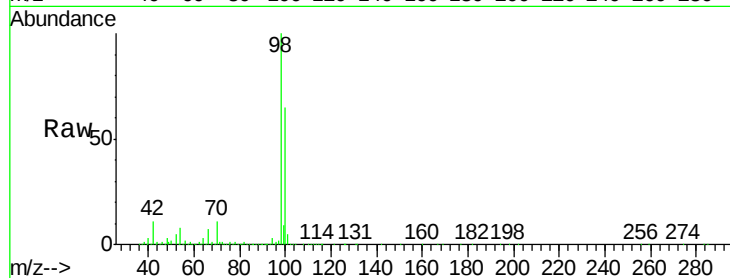
VX0211WBL01

Tot Ion: 98 Resp: 931261

Ion Ratio Lower Upper

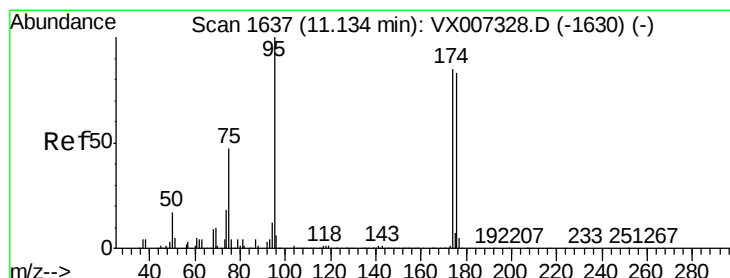
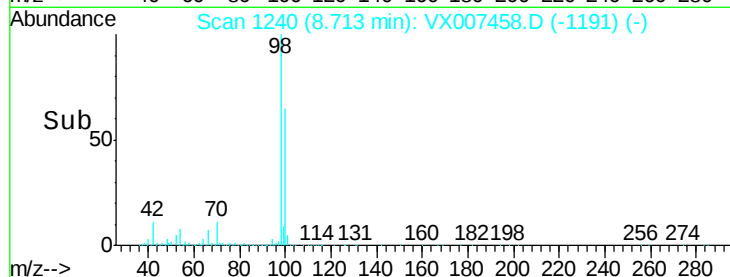
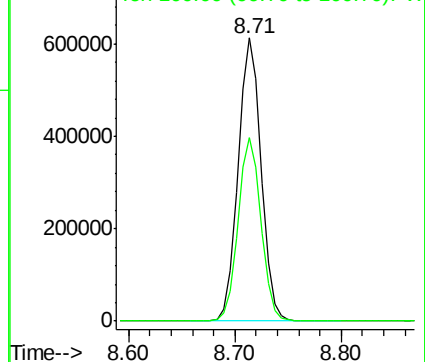
98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 47.991 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007458.D

Acq: 11 Feb 2019 10:53

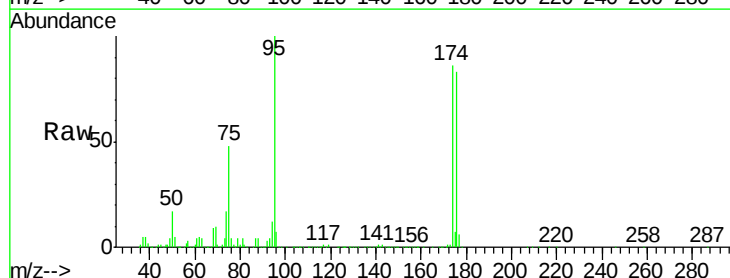
Tgt Ion: 95 Resp: 329768

Ion Ratio Lower Upper

95 100

174 94.3 0.0 189.2

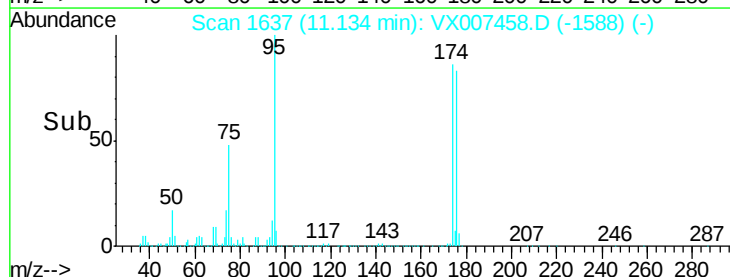
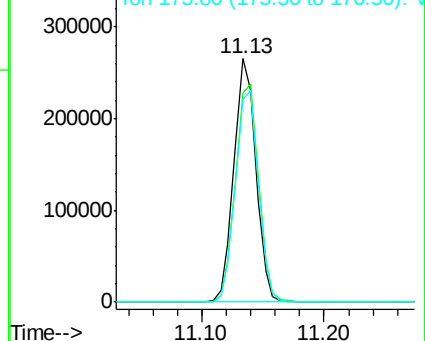
176 91.1 0.0 186.2

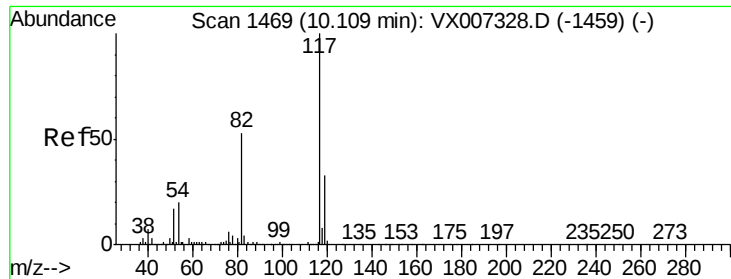


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

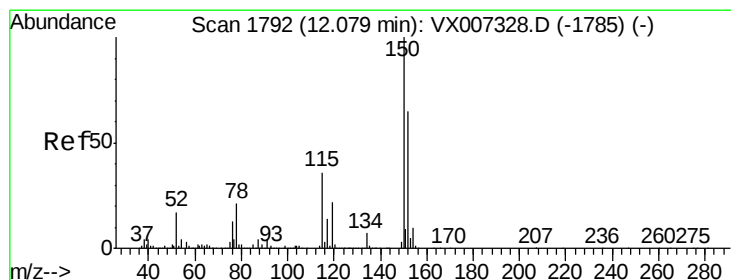
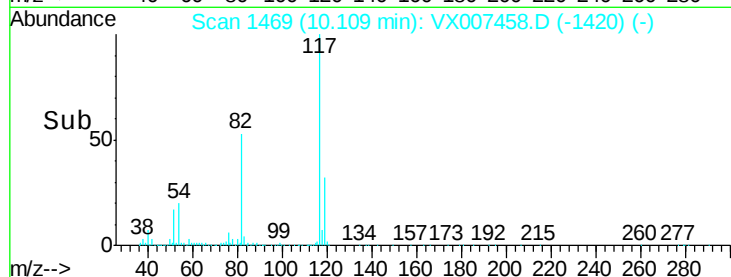
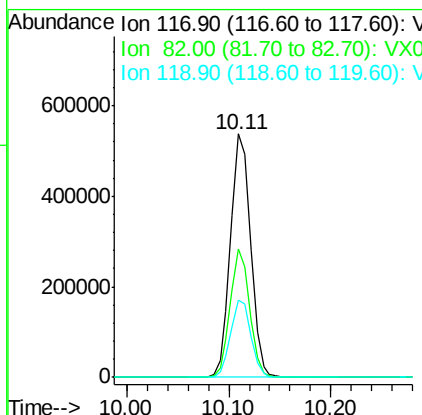
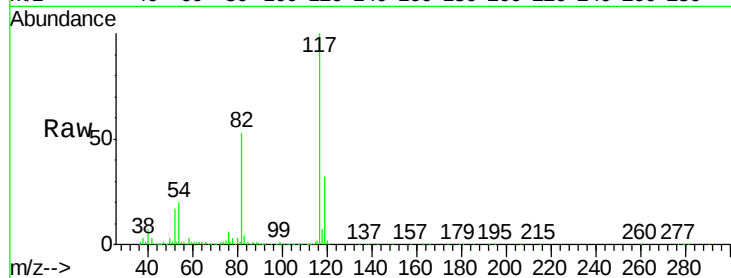




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007458.D
Acq: 11 Feb 2019 10:53

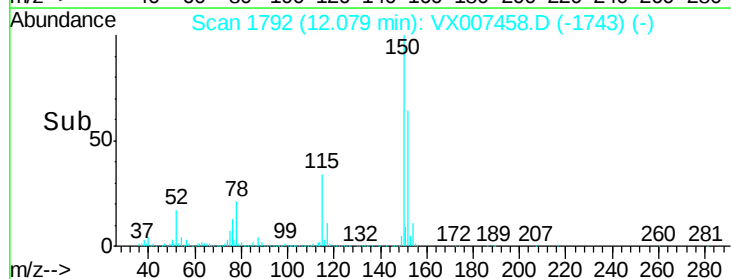
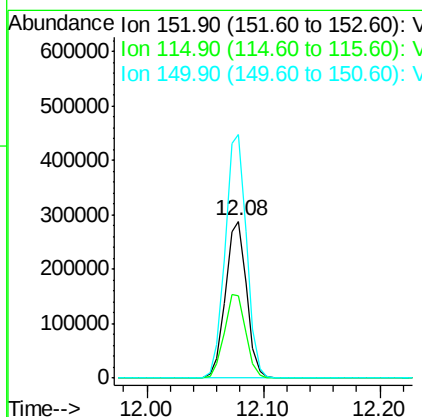
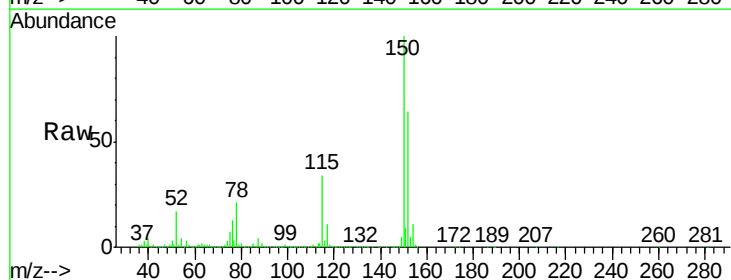
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

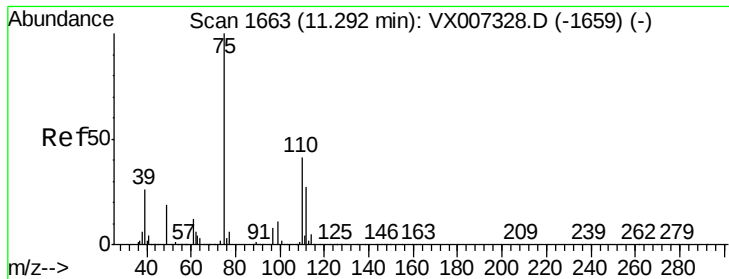
Tot Ion:117 Resp: 729703
Ion Ratio Lower Upper
117 100
82 52.8 42.1 63.1
119 31.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007458.D
Acq: 11 Feb 2019 10:53

Tgt Ion:152 Resp: 361217
Ion Ratio Lower Upper
152 100
115 54.4 38.0 114.0
150 157.4 0.0 346.4

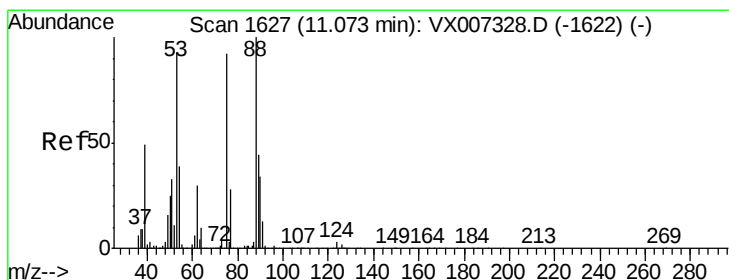
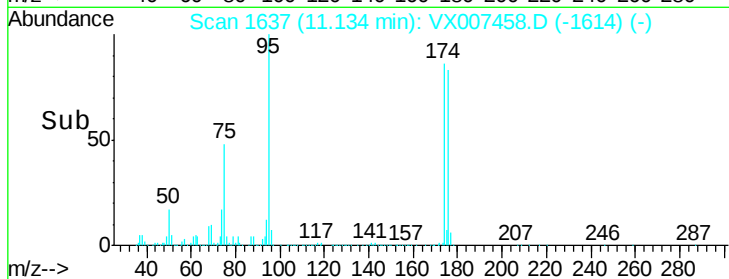
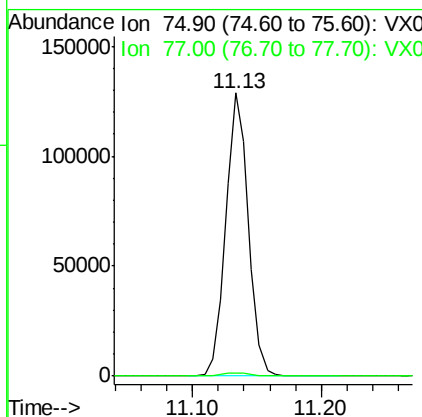
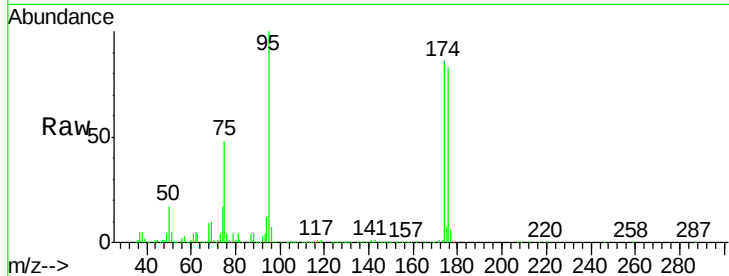




#76
 1,2,3-Trichloropropane
 Concen: 22.564 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007458.D
 Acq: 11 Feb 2019 10:53

Instrument :
 MSVOA_X
 ClientSampled :
 VX0211WBL01

Tot Ion: 75 Resp: 158534
 Ion Ratio Lower Upper
 75 100
 77 1.4 23.0 69.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.072 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007458.D
 Acq: 11 Feb 2019 10:53

Tgt Ion: 75 Resp: 158534
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.0 121.6#
 89 0.0 41.4 62.0#

