

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007484.D
 Acq On : 12 Feb 2019 13:08
 Operator : JC/SP
 Sample : VX0212WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBL01

Quant Time: Feb 13 00:09:35 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	5.66	168	479974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	759149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	713482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	341447	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	265974	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
35) Dibromofluoromethane	5.50	113	248010	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	8.71	98	911028	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.13	95	321365	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

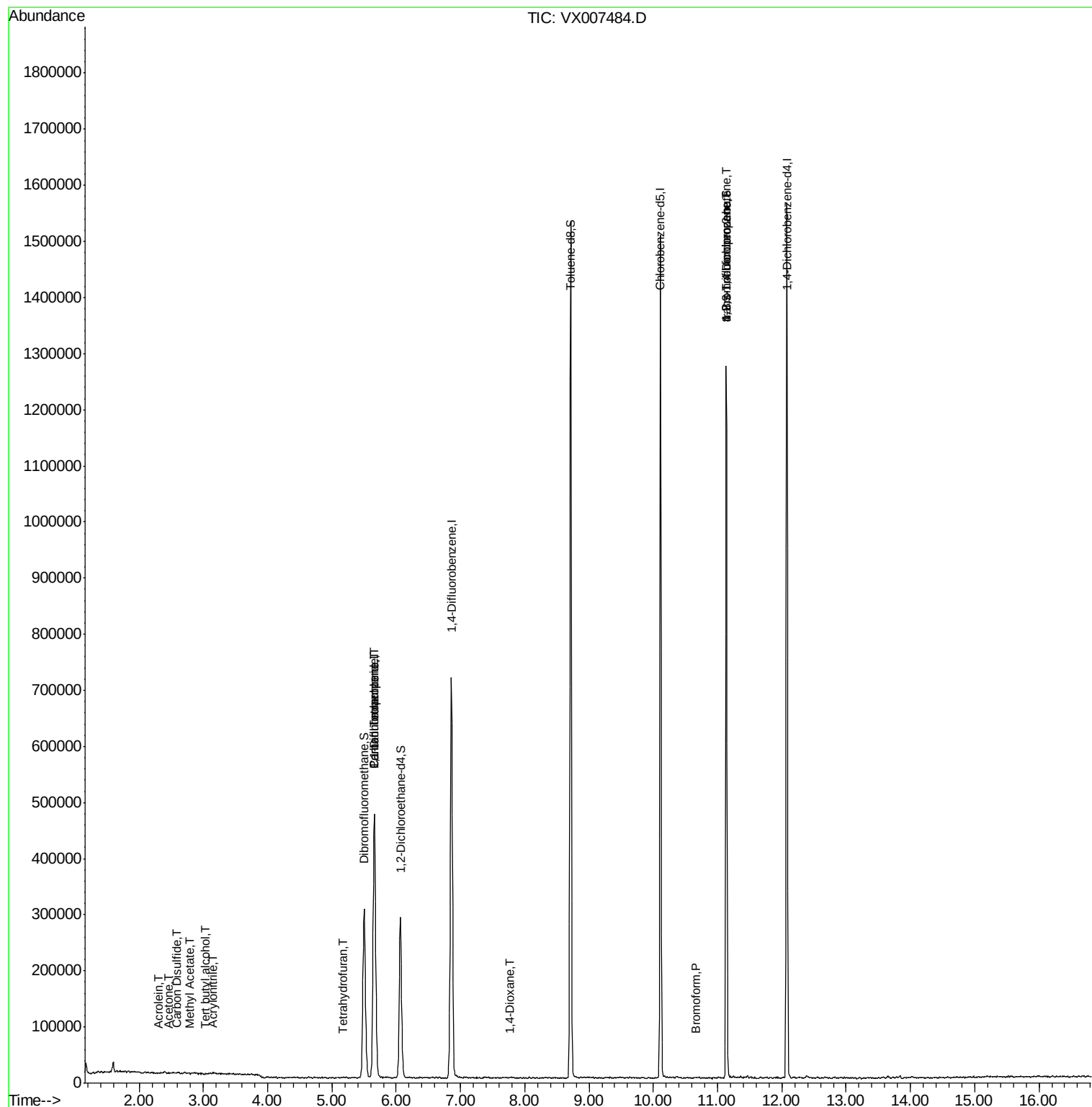
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	1422	Below Cal	#	55
11) Tert butyl alcohol	3.04	59	427	0.405	ug/l #	81
13) Acrolein	2.29	56	256	0.518	ug/l #	51
15) Acrylonitrile	3.14	53	794	0.304	ug/l #	61
16) Acetone	2.45	43	589	0.252	ug/l #	53
17) Carbon Disulfide	2.57	76	1582	2.247	ug/l #	54
18) Methyl Acetate	2.78	43	1481	0.834	ug/l	95
20) Methylene Chloride	2.87	84	1119	Below Cal	#	66
29) Tetrahydrofuran	5.16	42	517	0.248	ug/l #	10
36) 1,1-Dichloropropene	5.66	75	32103	4.713	ug/l #	49
38) Carbon Tetrachloride	5.67	117	44809	6.781	ug/l #	17
49) 1,4-Dioxane	7.76	88	123	7.889	ug/l #	1
71) Bromoform	10.66	173	123	4.054	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	151653	22.834	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	151653	68.837	ug/l #	9

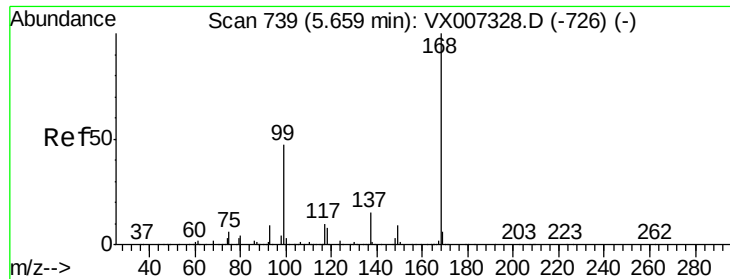
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 02 01:32:36 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

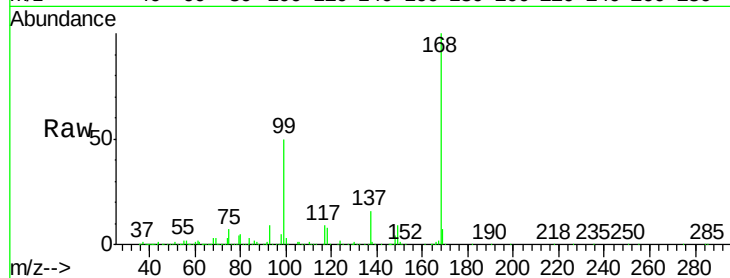
VX0212WBL01

Tot Ion:168 Resp: 479974

Ion Ratio Lower Upper

168 100

99 50.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

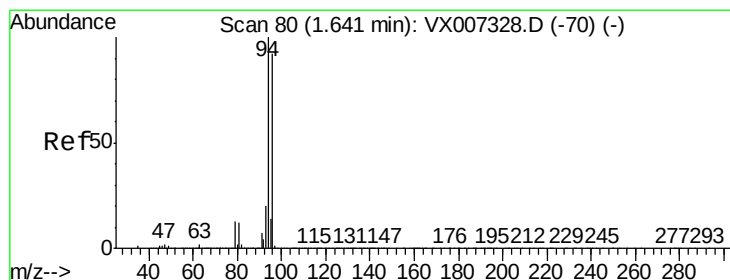
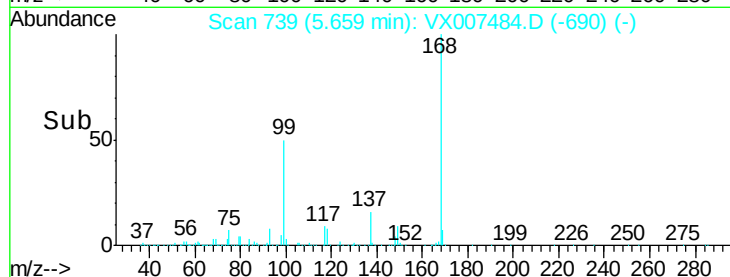
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX007484.D

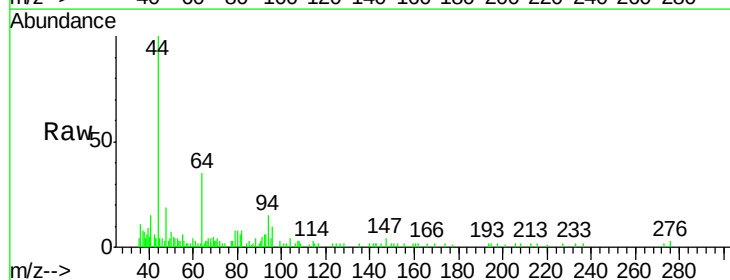
Acq: 12 Feb 2019 13:08

Tgt Ion: 94 Resp: 1422

Ion Ratio Lower Upper

94 100

96 49.7 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

600

500

400

300

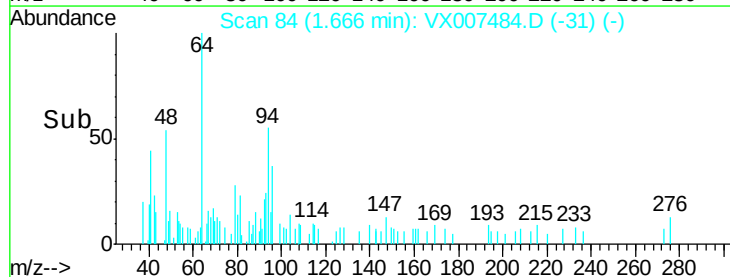
200

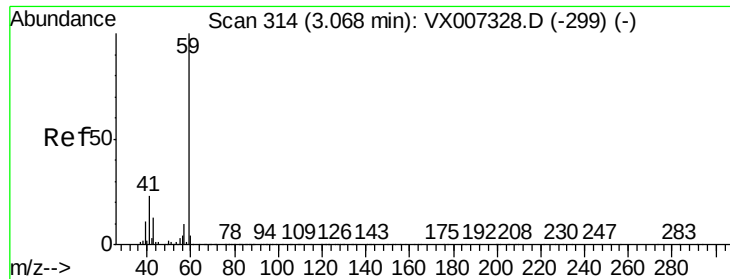
100

0

Time-->

1.60 1.65 1.70



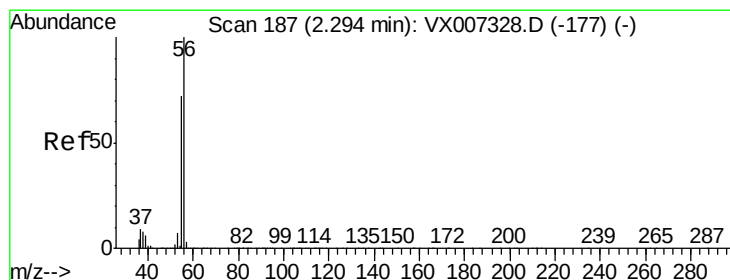
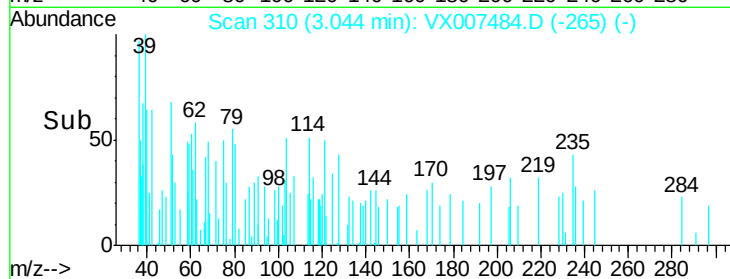
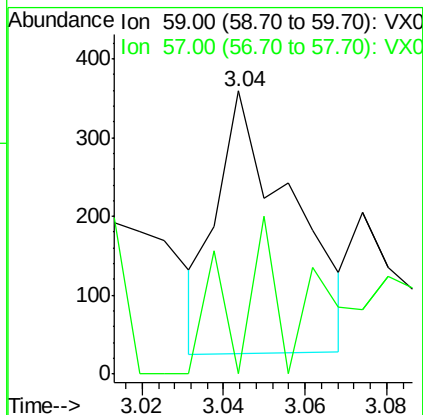
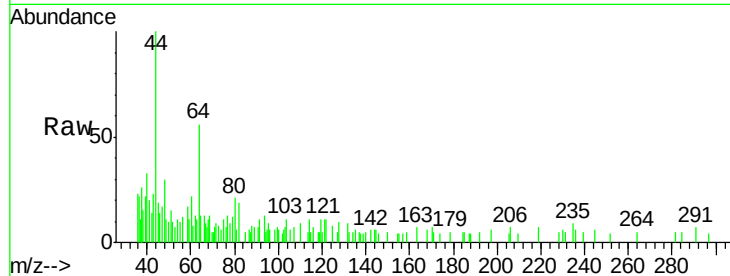


#11

Tert butyl alcohol
Concen: 0.405 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.02 min
Lab File: VX007484.D
Acq: 12 Feb 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

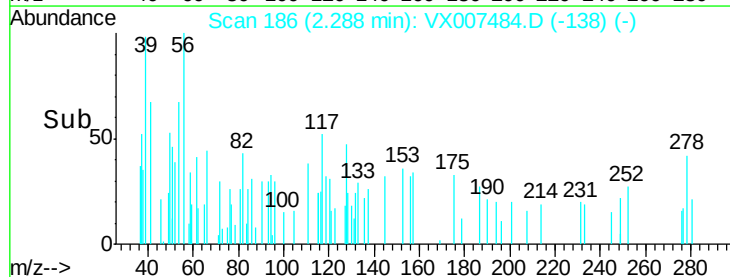
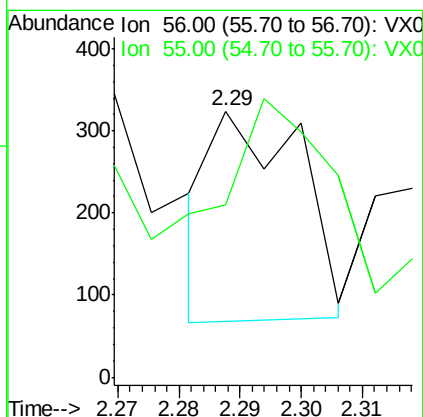
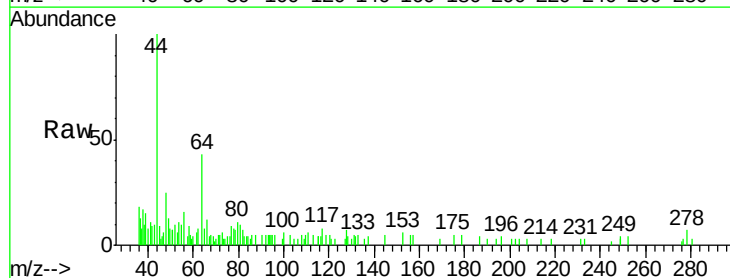
Tot Ion: 59 Resp: 427
Ion Ratio Lower Upper
59 100
57 17.1 8.1 12.1#

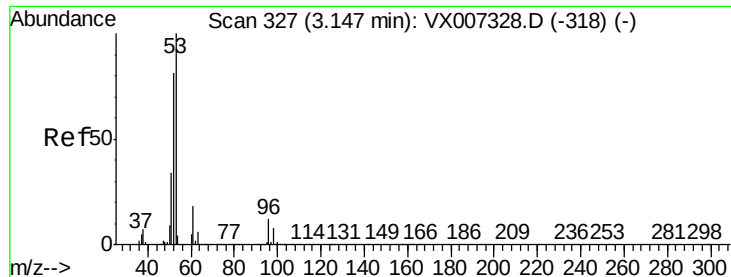


#13

Acrolein
Concen: 0.518 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX007484.D
Acq: 12 Feb 2019 13:08

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 111.7 56.9 85.3#





#15

Acrylonitrile

Concen: 0.304 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBL01

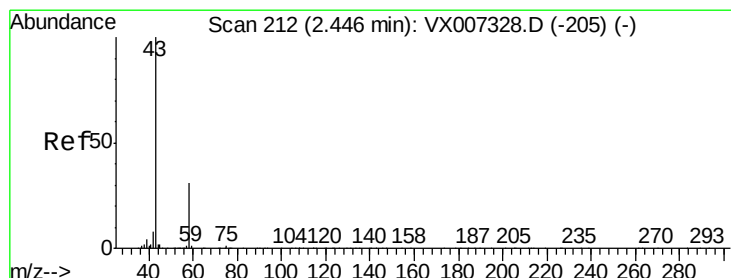
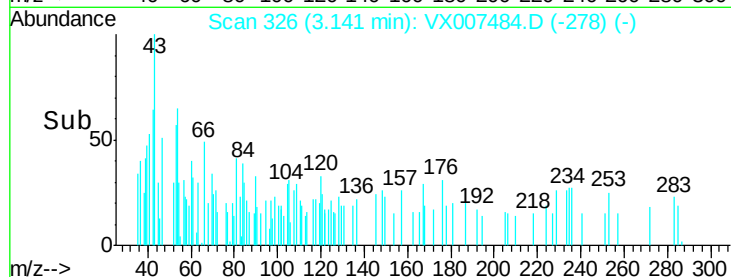
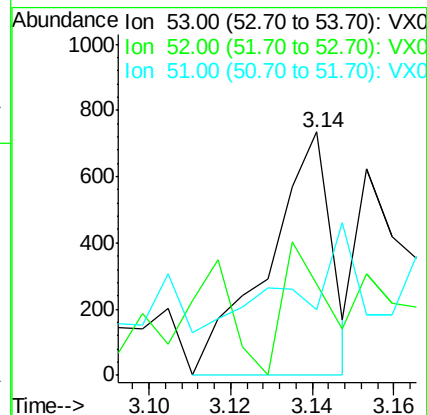
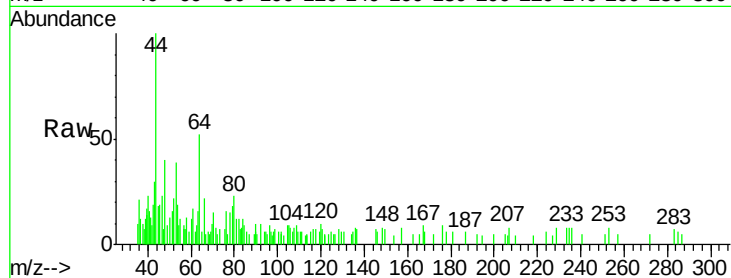
Tot Ion: 53 Resp: 794

Ion Ratio Lower Upper

53 100

52 37.8 66.4 99.6#

51 42.3 28.4 42.6



#16

Acetone

Concen: 0.252 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007484.D

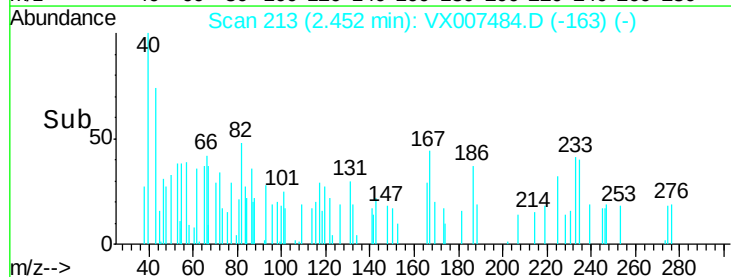
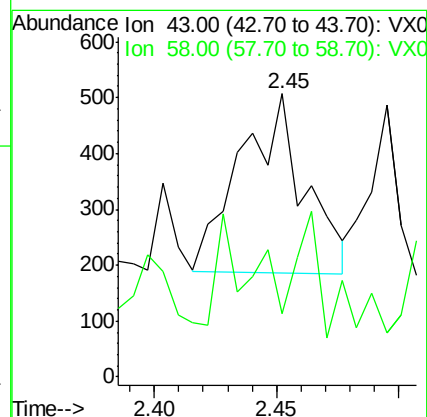
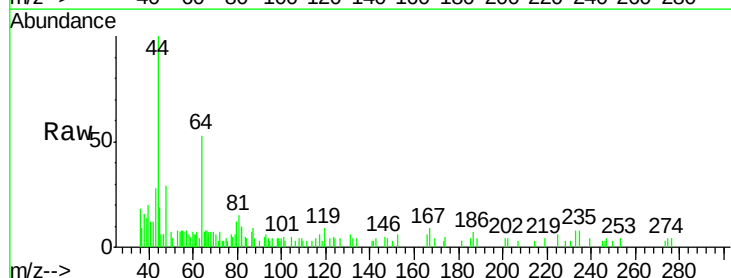
Acq: 12 Feb 2019 13:08

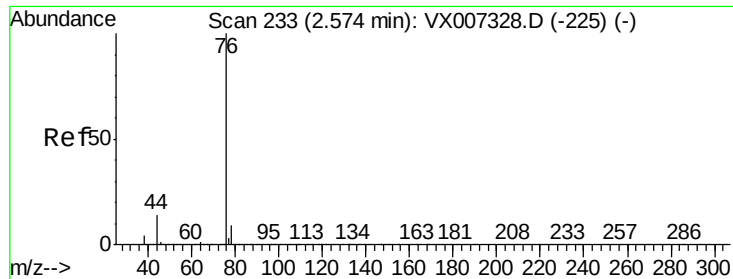
Tgt Ion: 43 Resp: 589

Ion Ratio Lower Upper

43 100

58 5.4 24.9 37.3#





#17

Carbon Disulfide

Concen: 2.247 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

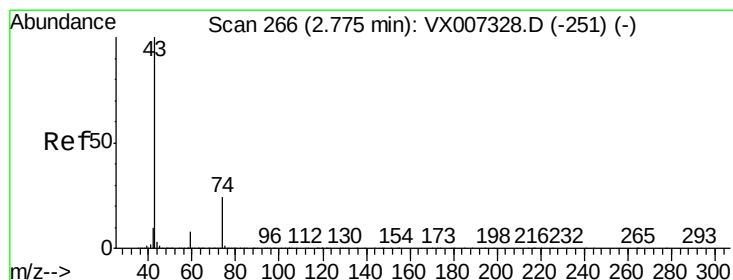
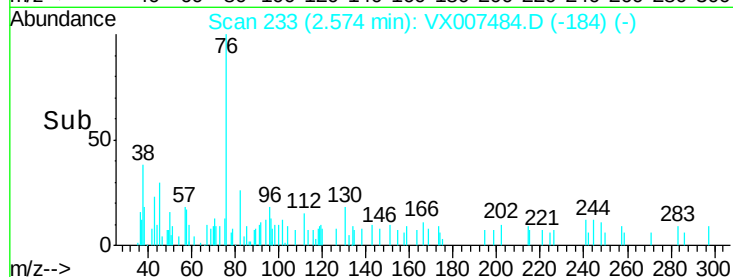
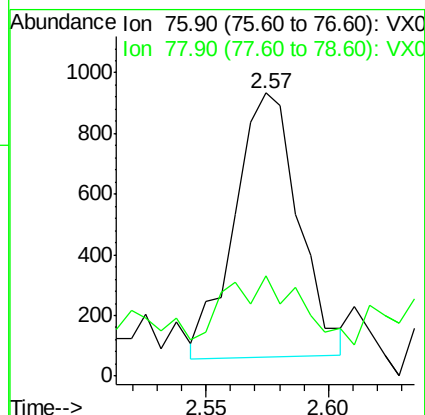
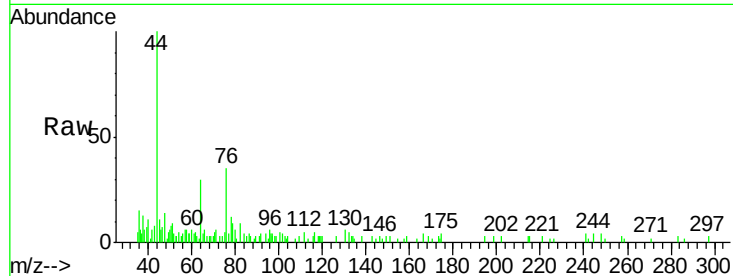
VX0212WBL01

Tot Ion: 76 Resp: 1582

Ion Ratio Lower Upper

76 100

78 25.4 7.1 10.7#



#18

Methyl Acetate

Concen: 0.834 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007484.D

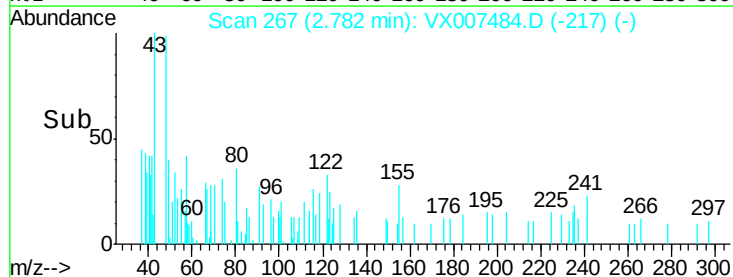
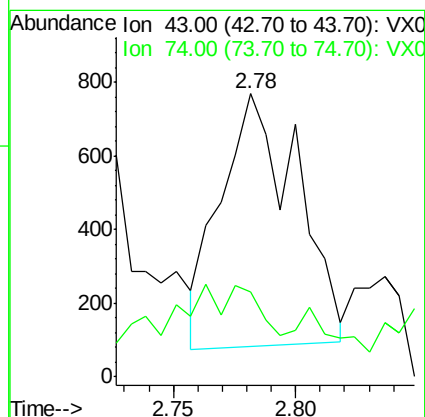
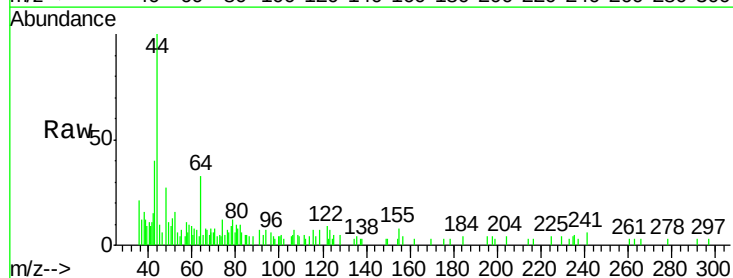
Acq: 12 Feb 2019 13:08

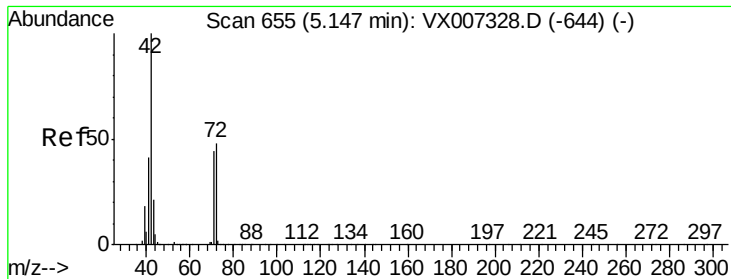
Tgt Ion: 43 Resp: 1481

Ion Ratio Lower Upper

43 100

74 21.6 19.4 29.2

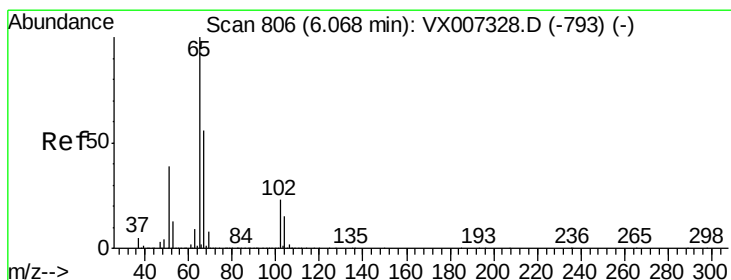
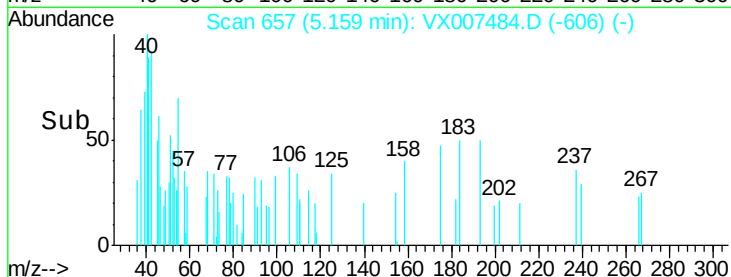
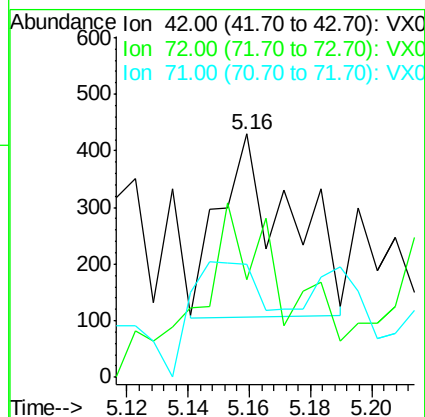
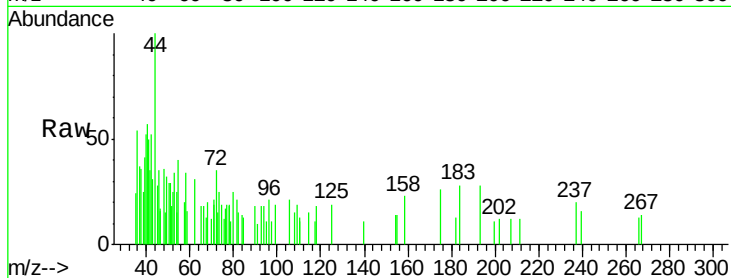




#29
Tetrahydrofuran
Concen: 0.248 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007484.D
Acq: 12 Feb 2019 13:08

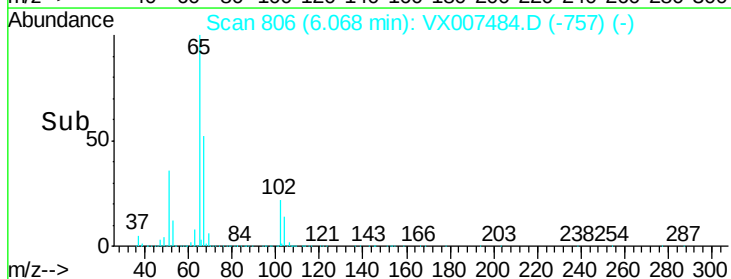
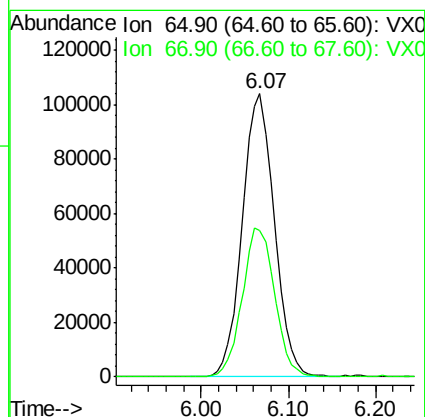
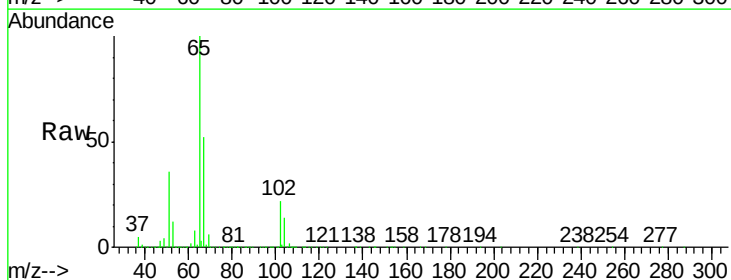
Instrument :
MSVOA_X
ClientSampleId :
VX0212WBL01

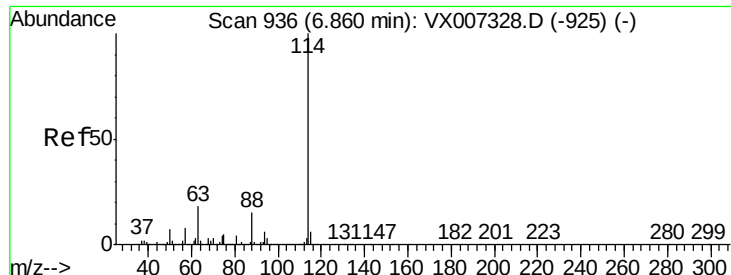
Tot Ion: 42 Resp: 517
Ion Ratio Lower Upper
42 100
72 128.4 37.6 56.4#
71 78.9 34.6 51.8#



#33
1,2-Dichloroethane-d4
Concen: 52.208 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007484.D
Acq: 12 Feb 2019 13:08

Tgt Ion: 65 Resp: 265974
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.8

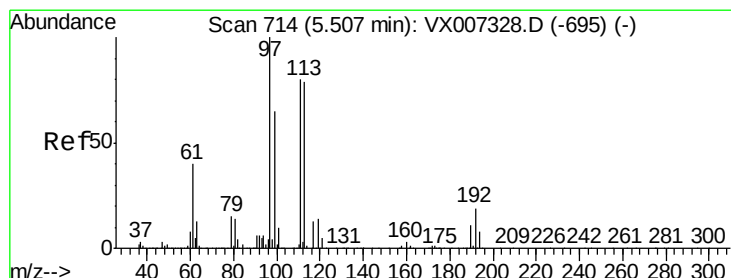
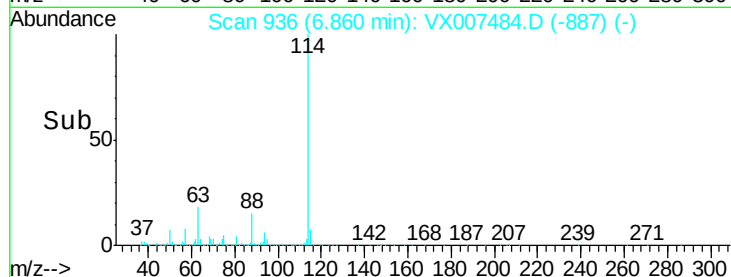
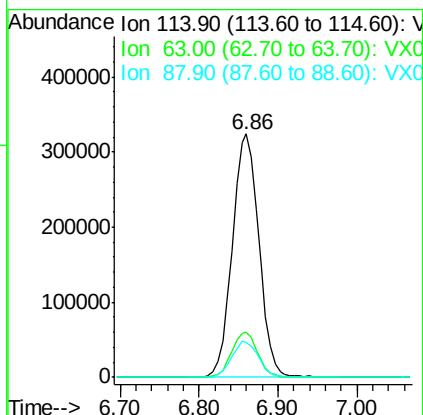
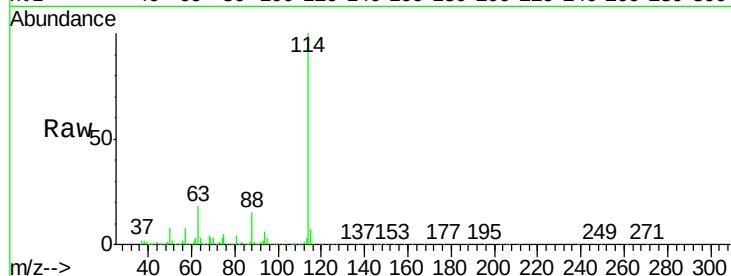




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007484.D
 Acq: 12 Feb 2019 13:08

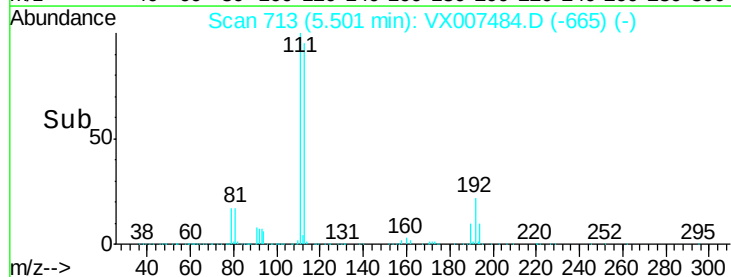
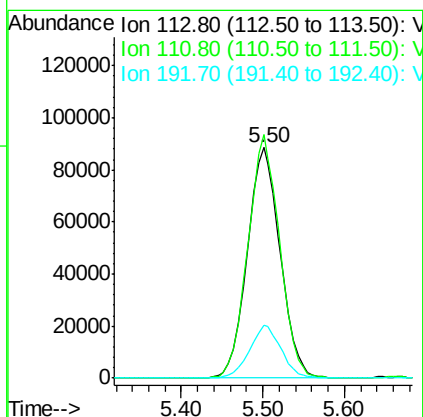
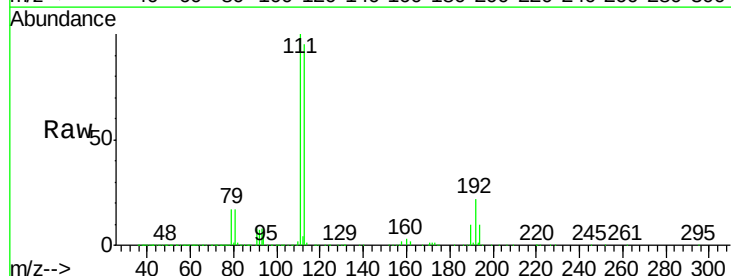
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBL01

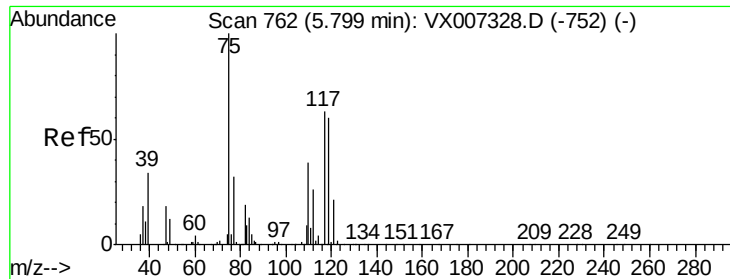
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	35.6
88	14.5	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 50.209 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX007484.D
 Acq: 12 Feb 2019 13:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	22.1	18.5	27.7





#36

1,1-Dichloropropene

Concen: 4.713 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBL01

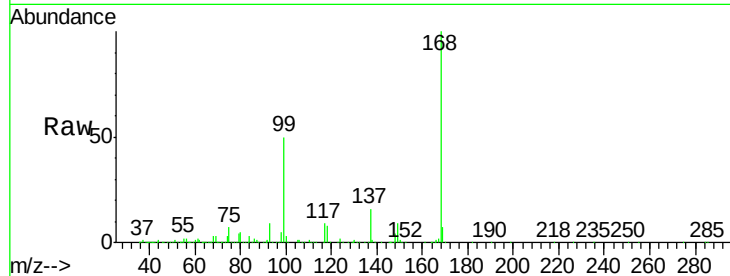
Tot Ion: 75 Resp: 32103

Ion Ratio Lower Upper

75 100

110 10.0 20.0 59.9#

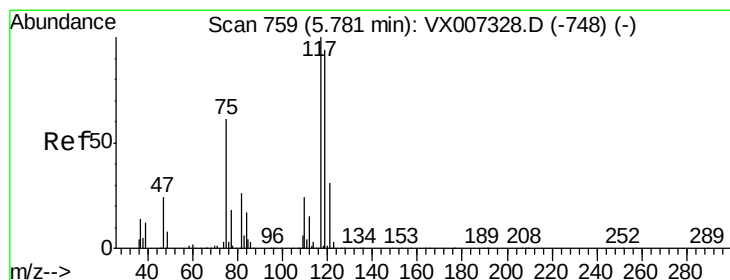
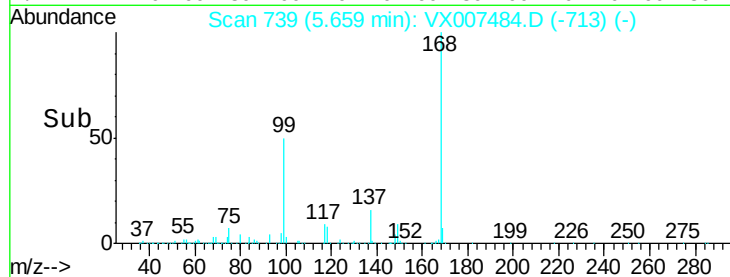
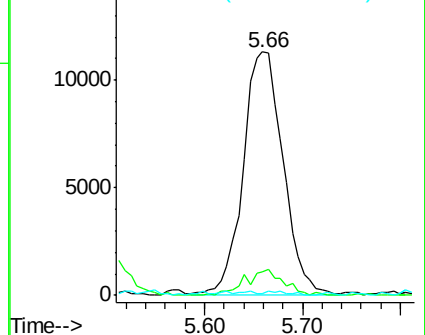
77 1.0 24.7 37.1#



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: 6.781 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

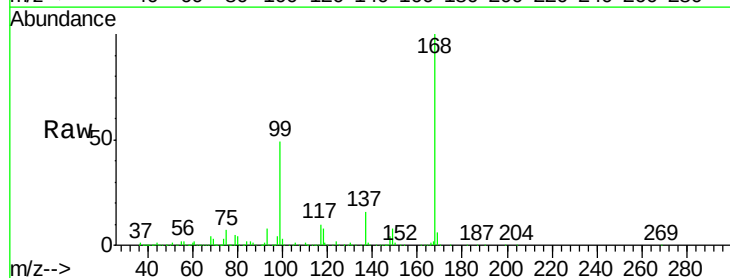
Tgt Ion:117 Resp: 44809

Ion Ratio Lower Upper

117 100

119 4.9 75.3 112.9#

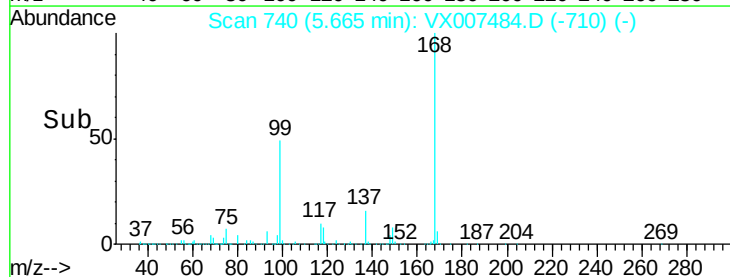
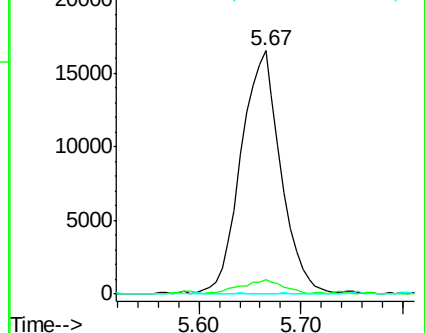
121 0.0 25.0 37.4#

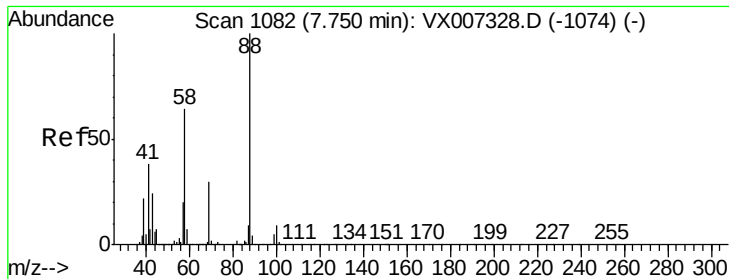


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 7.889 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBL01

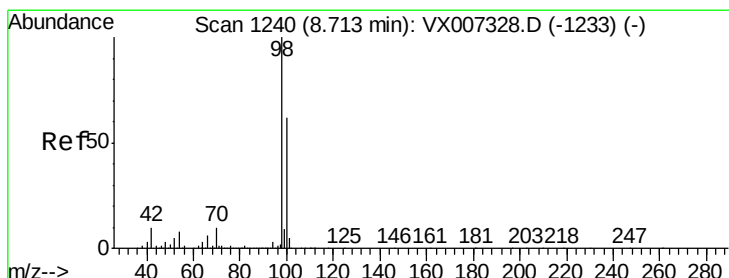
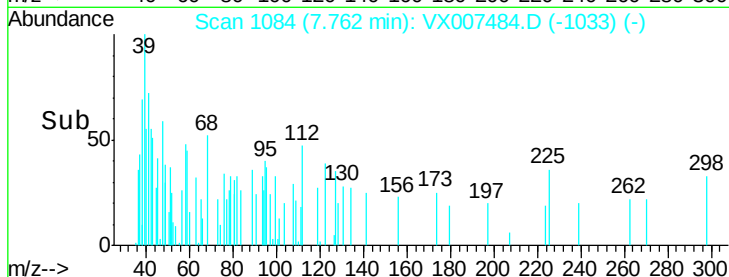
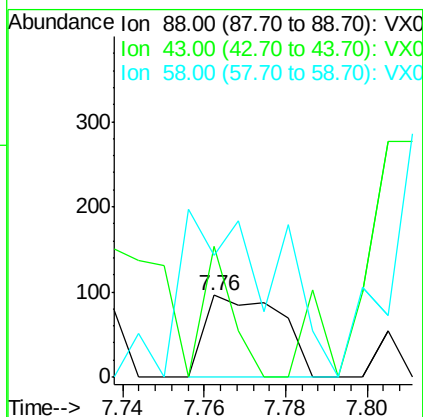
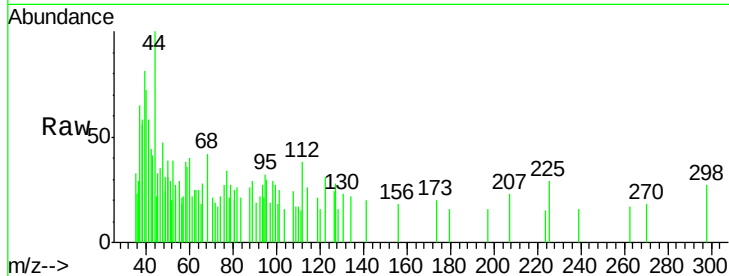
Tot Ion: 88 Resp: 123

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

58 248.0 53.0 79.4#



#50

Toluene-d8

Concen: 49.711 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007484.D

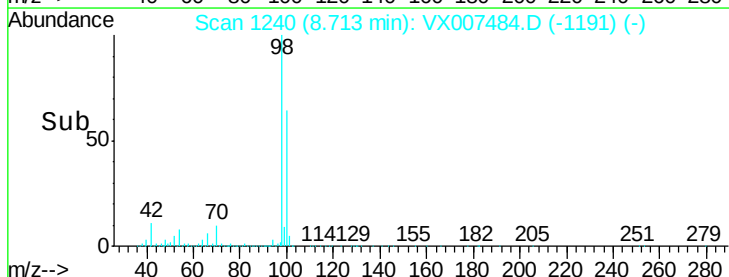
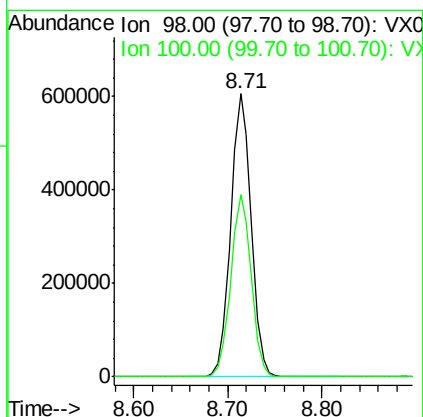
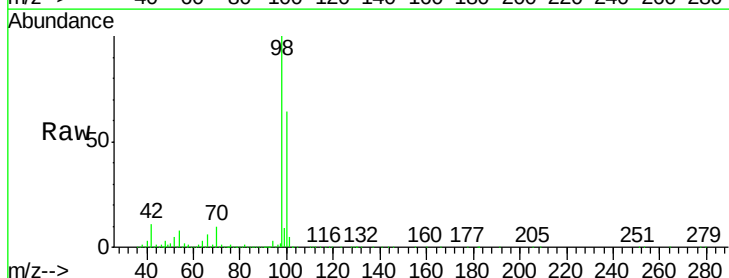
Acq: 12 Feb 2019 13:08

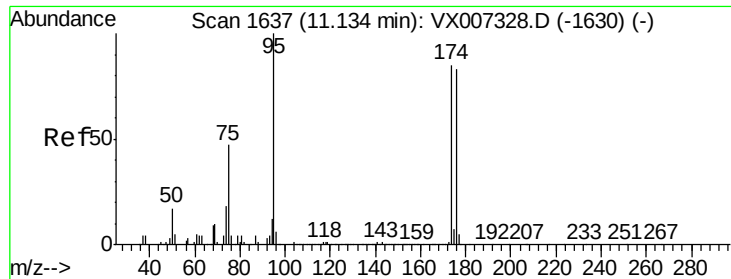
Tgt Ion: 98 Resp: 911028

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 48.029 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBL01

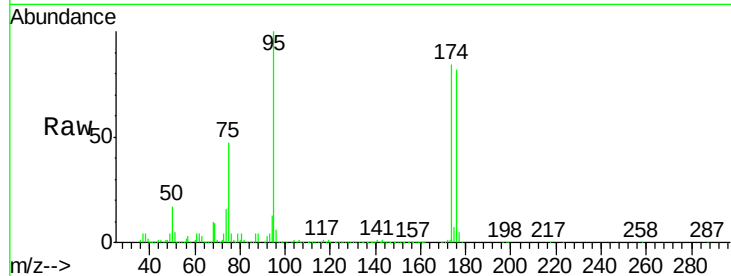
Tot Ion: 95 Resp: 321365

Ion Ratio Lower Upper

95 100

174 90.8 0.0 189.2

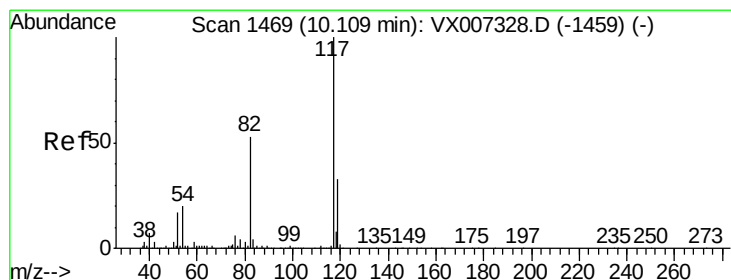
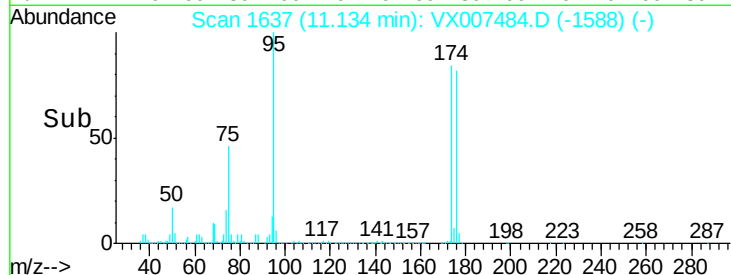
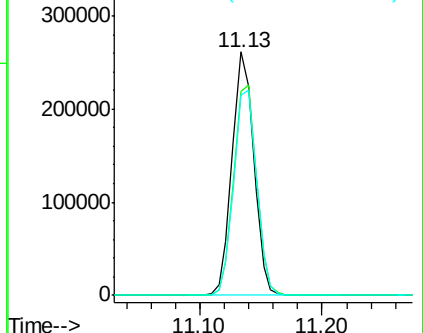
176 88.9 0.0 186.2



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: VX007484.D

Acq: 12 Feb 2019 13:08

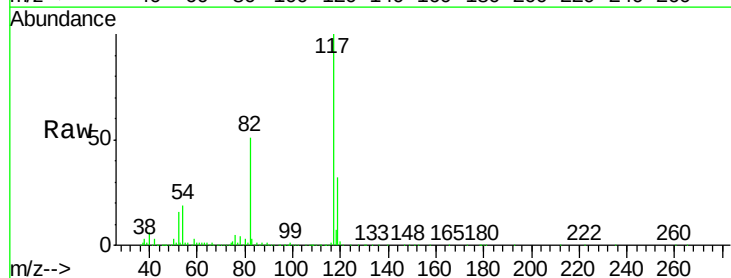
Tgt Ion: 117 Resp: 713482

Ion Ratio Lower Upper

117 100

82 50.5 42.1 63.1

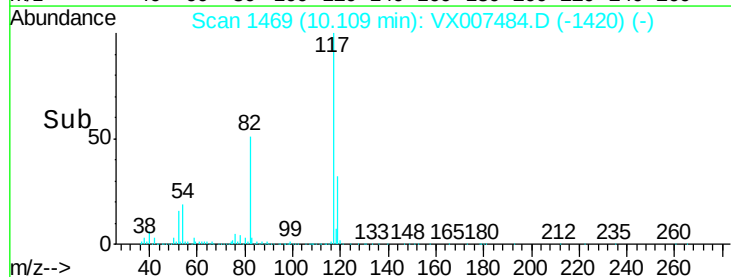
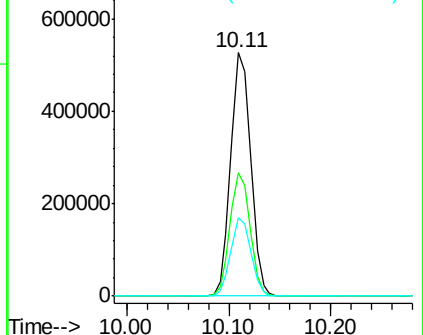
119 32.2 26.5 39.7

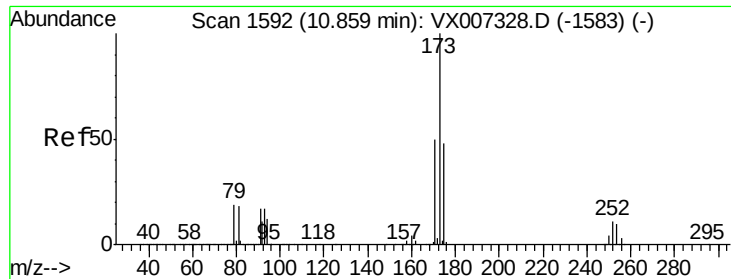


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 4.054 ug/l

RT: 10.66 min Scan# 1559

Delta R.T. -0.20 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBL01

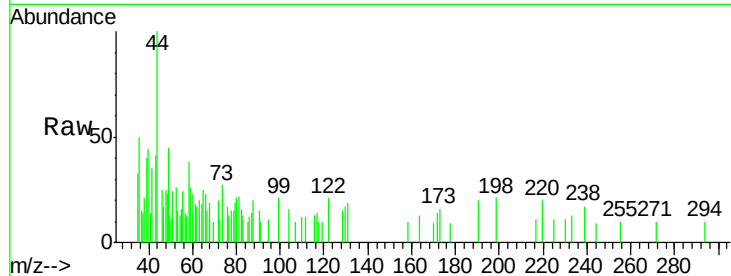
Tot Ion:173 Resp: 123

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

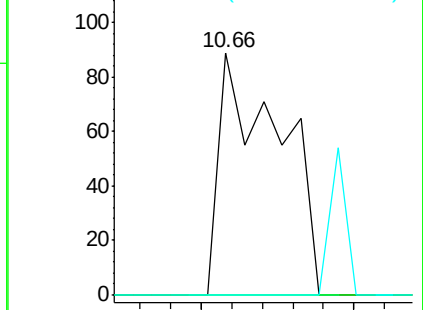
254 0.0 0.2 0.2#



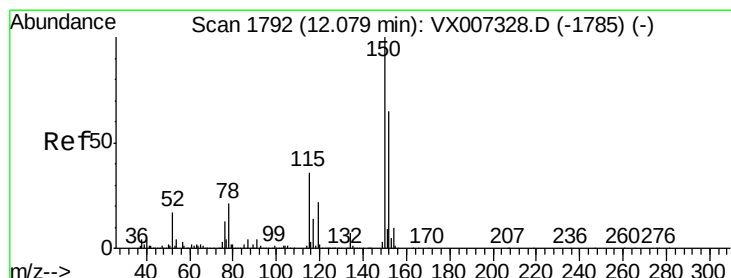
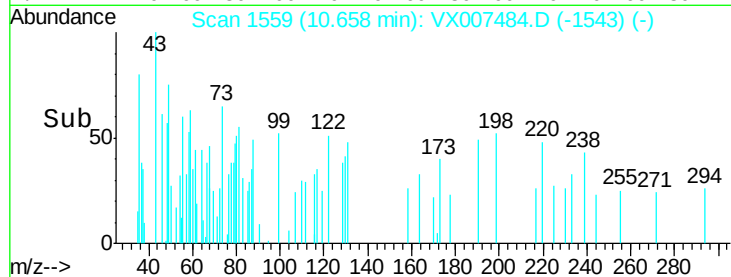
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

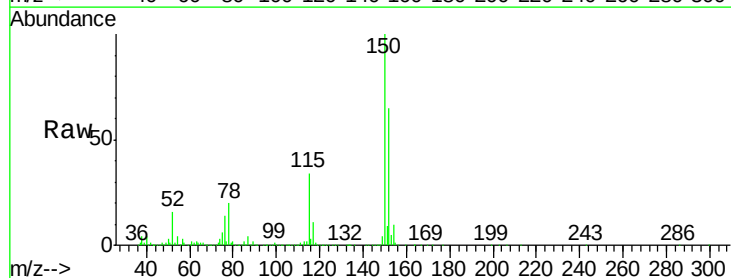
Tgt Ion:152 Resp: 341447

Ion Ratio Lower Upper

152 100

115 54.9 38.0 114.0

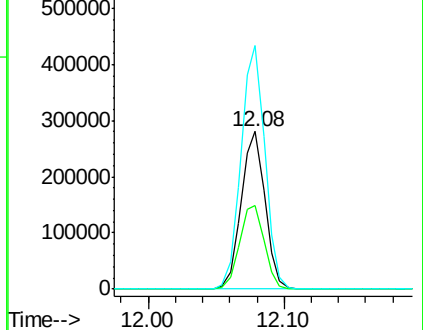
150 155.8 0.0 346.4



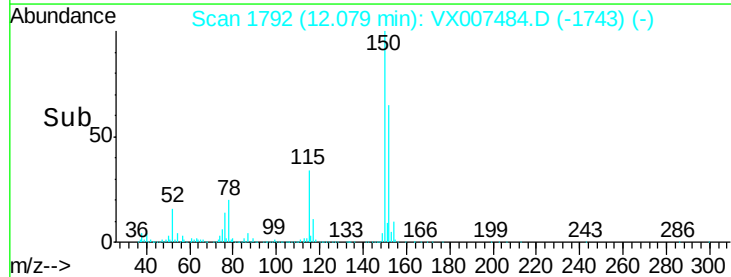
Abundance Ion 151.90 (151.60 to 152.60): V

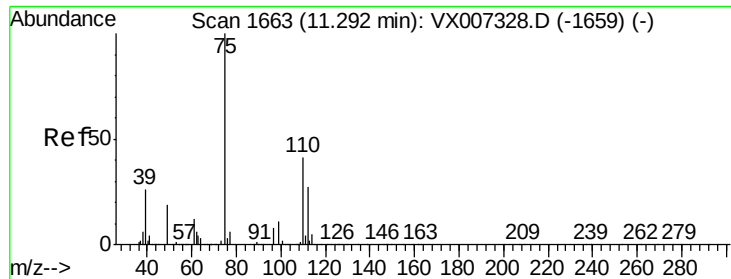
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 22.834 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

Instrument :

MSVOA_X

ClientSampled :

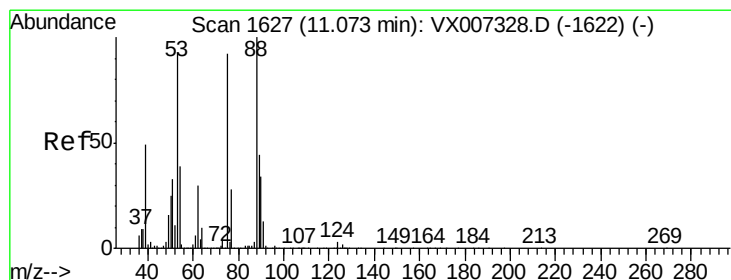
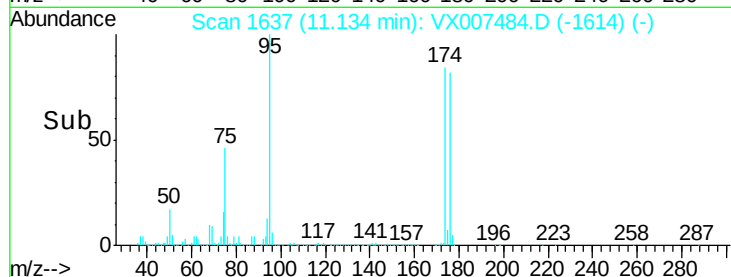
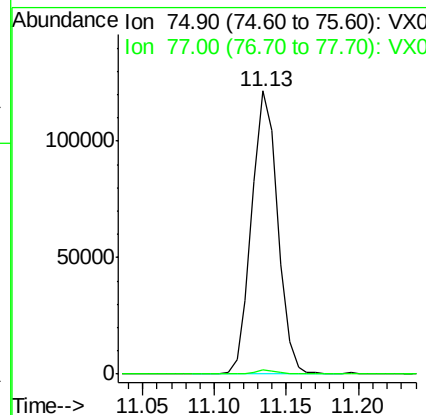
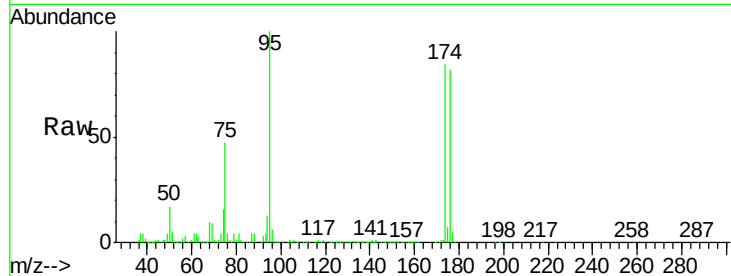
VX0212WBL01

Tot Ion: 75 Resp: 151653

Ion Ratio Lower Upper

75 100

77 1.5 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.837 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007484.D

Acq: 12 Feb 2019 13:08

Tgt Ion: 75 Resp: 151653

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#

