

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021519\
 Data File : VX007538.D
 Acq On : 14 Feb 2019 11:55
 Operator : JC/SP
 Sample : VX0215WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 15 02:41:17 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	479807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	762159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	713813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	331388	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	267764	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	5.50	113	249958	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	8.71	98	908931	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	312624	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

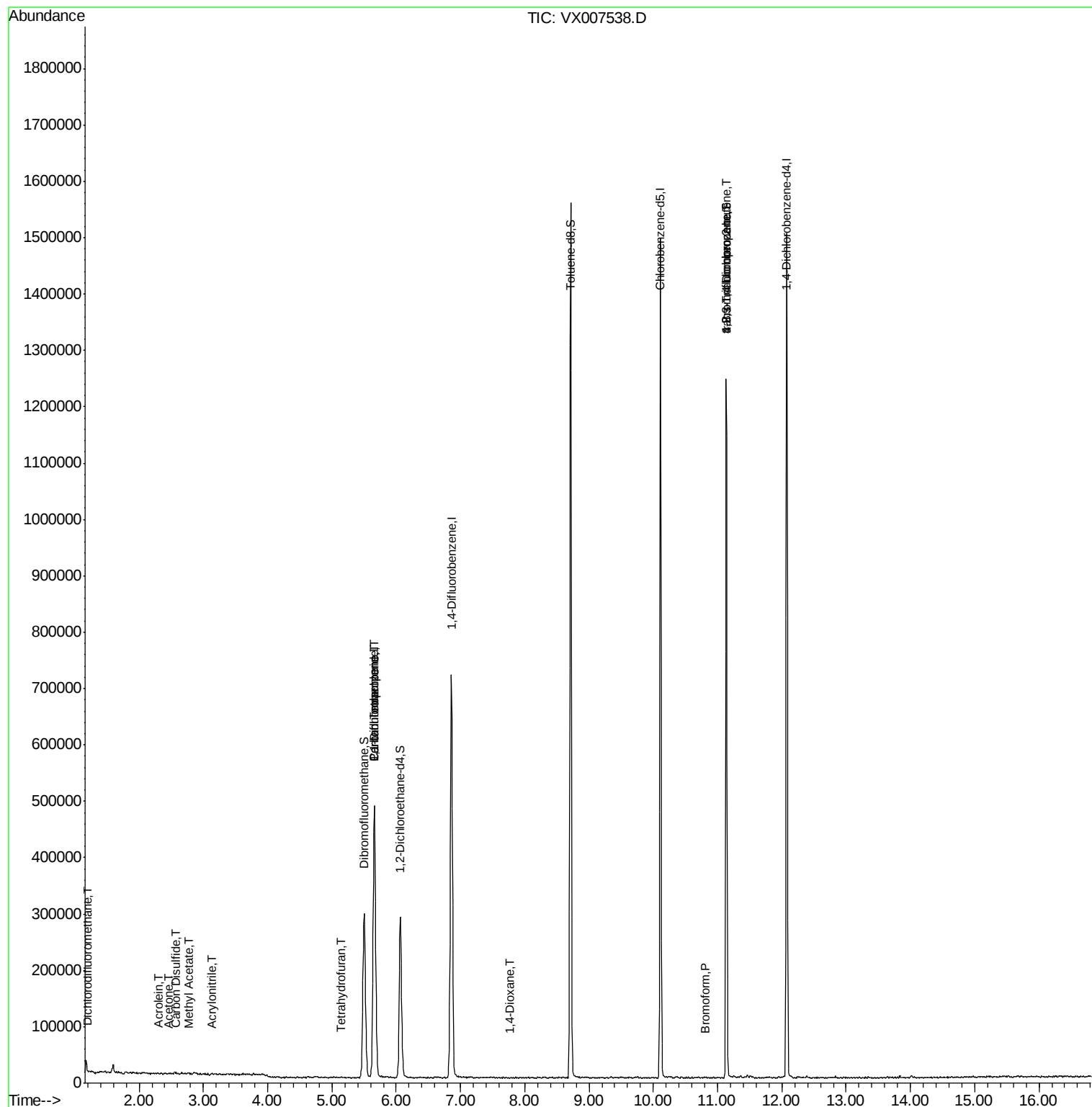
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	306	0.229	ug/l	73
5) Bromomethane	1.65	94	673	Below Cal	#	80
13) Acrolein	2.29	56	632	1.279	ug/l	83
15) Acrylonitrile	3.13	53	794	0.305	ug/l #	35
16) Acetone	2.45	43	933	0.400	ug/l #	53
17) Carbon Disulfide	2.57	76	2170	2.295	ug/l #	77
18) Methyl Acetate	2.78	43	1148	0.780	ug/l #	30
20) Methylene Chloride	2.86	84	1433	Below Cal	#	72
29) Tetrahydrofuran	5.13	42	612	0.293	ug/l #	64
36) 1,1-Dichloropropene	5.66	75	32243	4.715	ug/l #	51
38) Carbon Tetrachloride	5.65	117	44295	6.677	ug/l #	17
49) 1,4-Dioxane	7.76	88	351	9.751	ug/l #	11
71) Bromoform	10.81	173	87	4.047	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	150964	23.420	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	150964	70.496	ug/l #	9

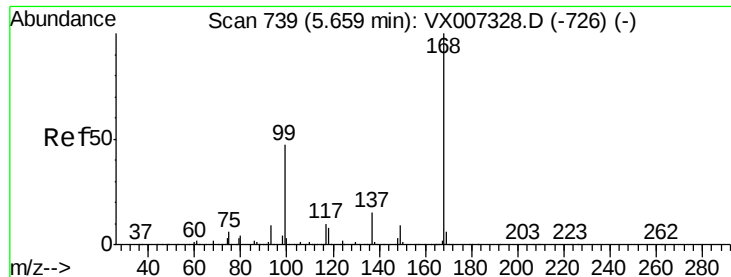
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

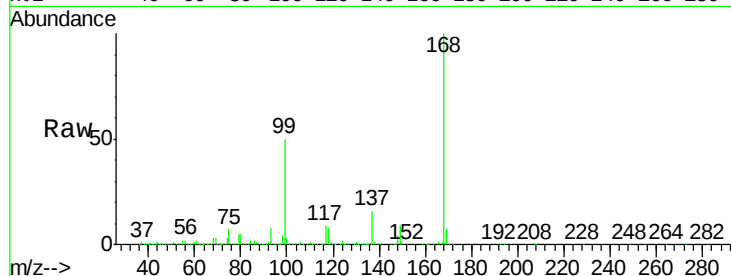
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 479807

Ion Ratio Lower Upper

168 100

99 49.4 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

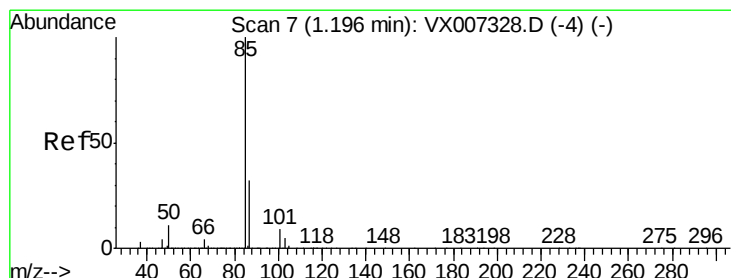
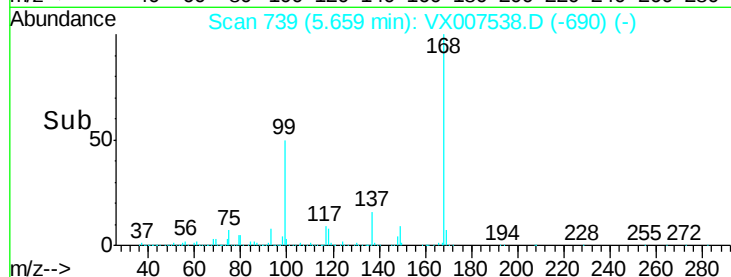
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.229 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX007538.D

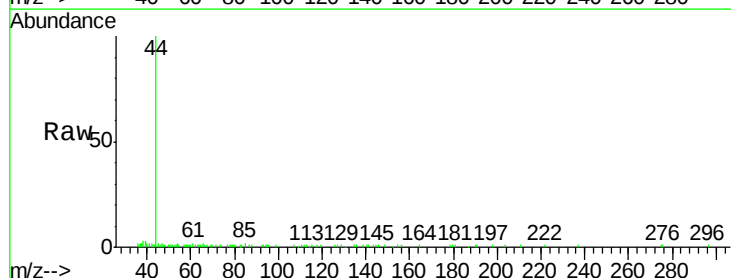
Acq: 14 Feb 2019 11:55

Tgt Ion: 85 Resp: 306

Ion Ratio Lower Upper

85 100

87 46.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.21

250

200

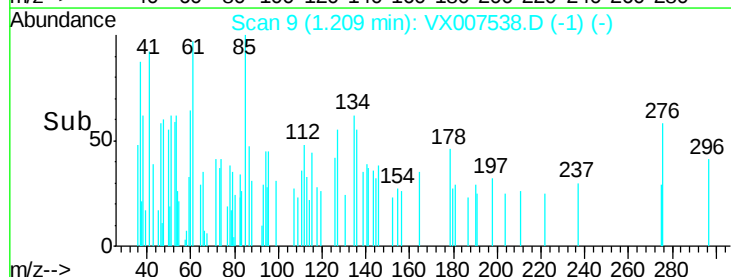
150

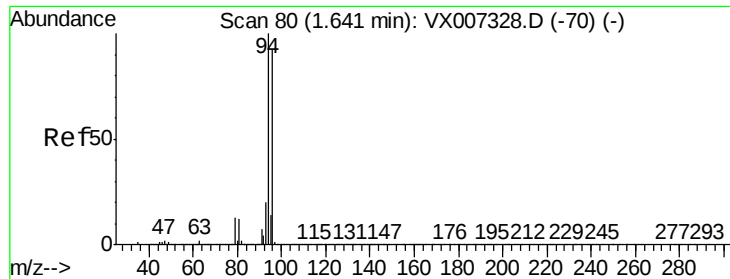
100

50

0

Time--> 1.18 1.20 1.22 1.24





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

Instrument :

MSVOA_X

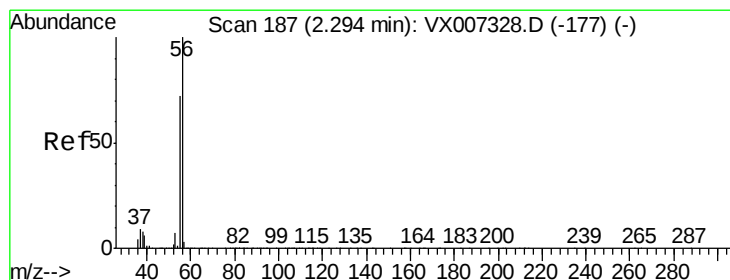
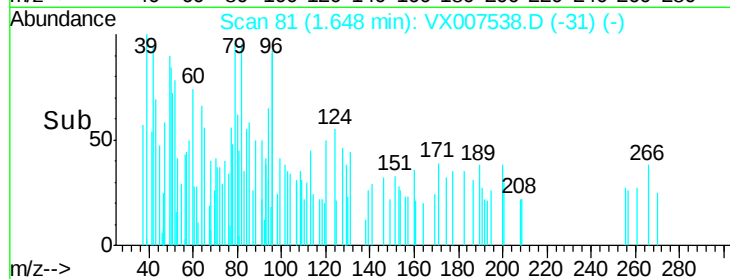
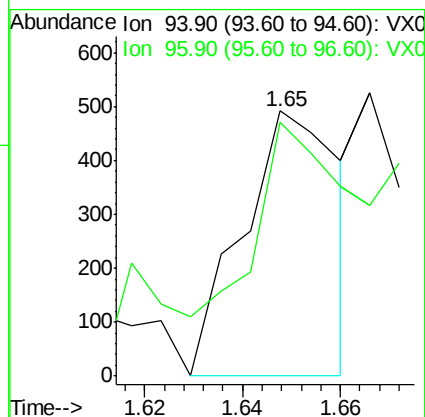
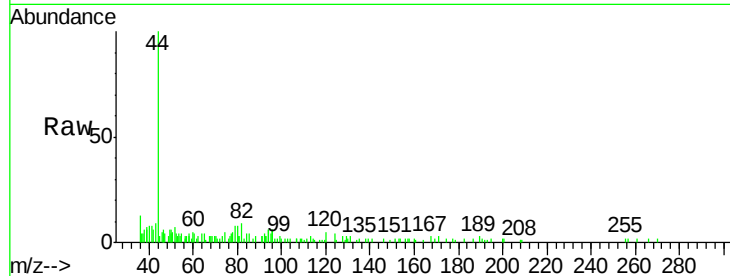
ClientSampled :

Tot Ion: 94 Resp: 673

Ion Ratio Lower Upper

94 100

96 73.6 73.9 110.9#



#13

Acrolein

Concen: 1.279 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007538.D

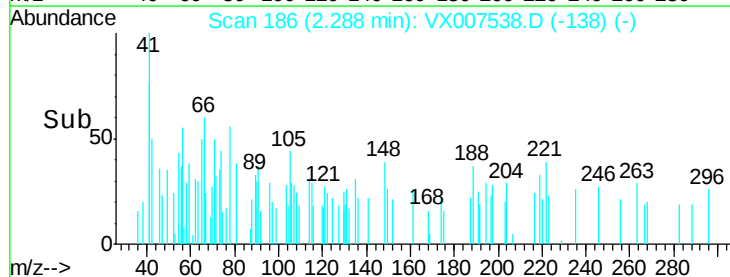
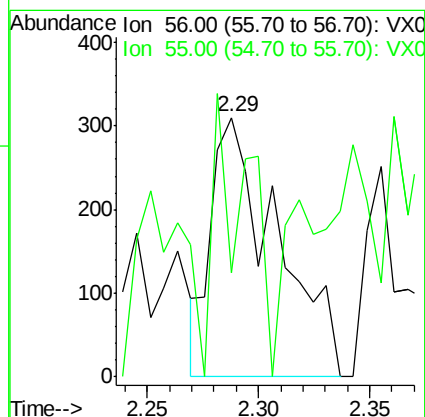
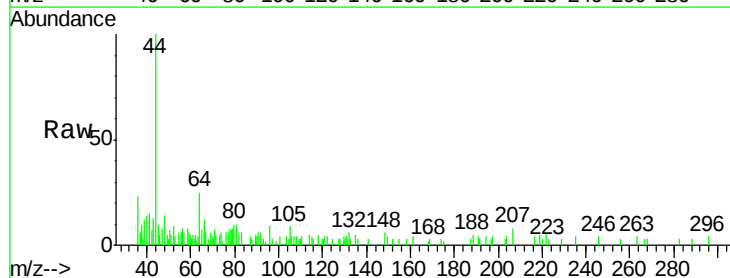
Acq: 14 Feb 2019 11:55

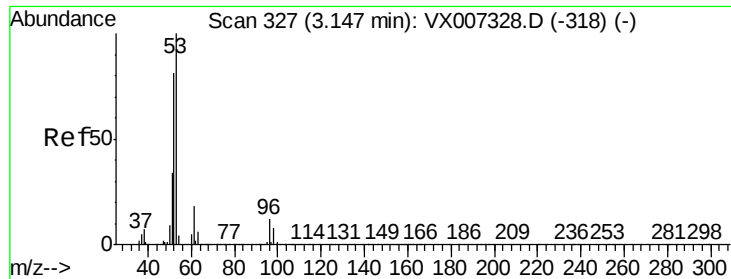
Tgt Ion: 56 Resp: 632

Ion Ratio Lower Upper

56 100

55 57.1 56.9 85.3





#15

Acrylonitrile

Concen: 0.305 ug/l

RT: 3.13 min Scan# 324

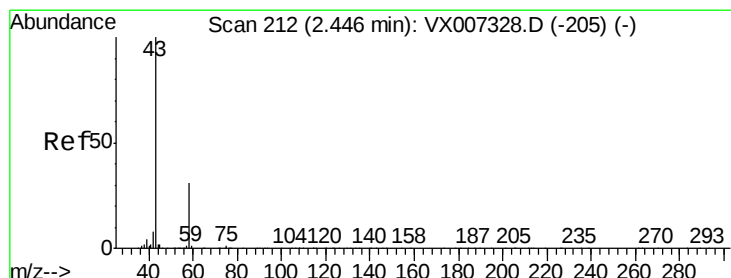
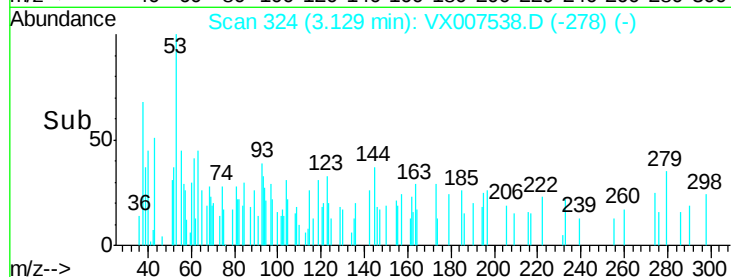
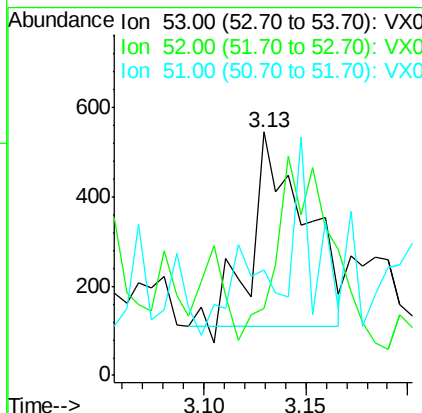
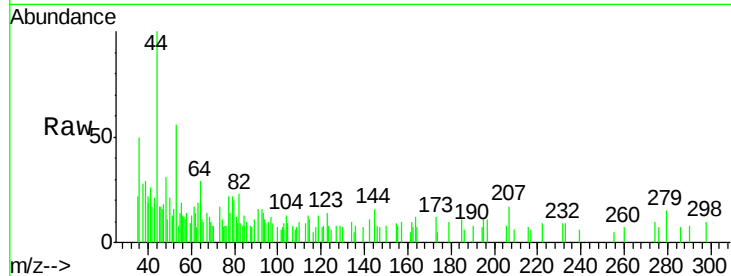
Delta R.T. -0.02 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	53	Resp:	794
Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.4	99.6#
51	35.3	28.4	42.6



#16

Acetone

Concen: 0.400 ug/l

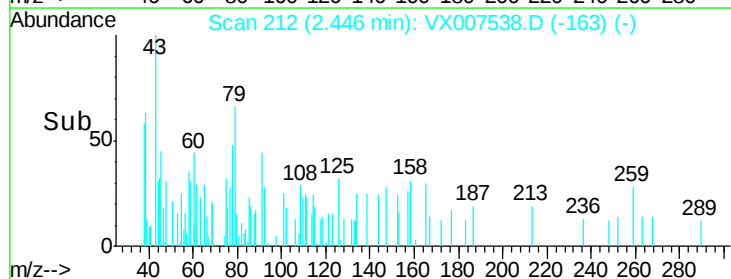
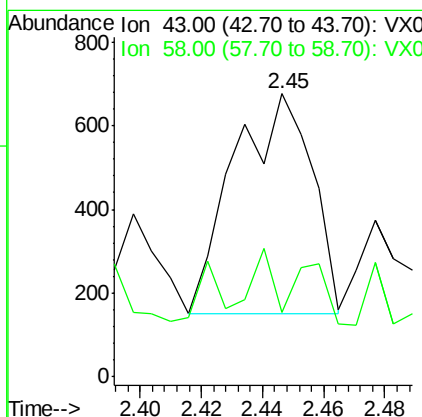
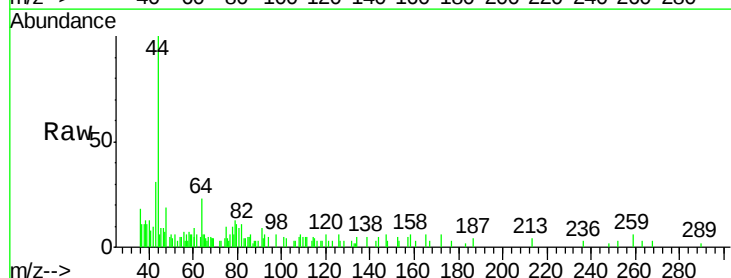
RT: 2.45 min Scan# 212

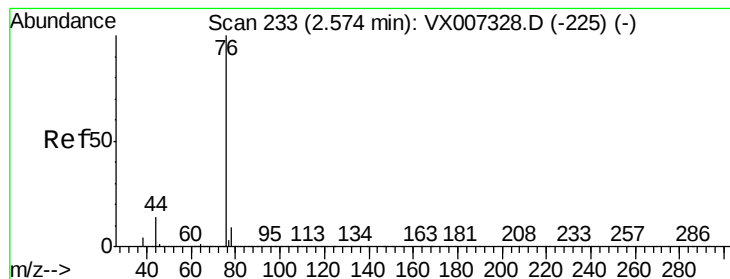
Delta R.T. 0.00 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

Tgt Ion:	43	Resp:	933
Ion	Ratio	Lower	Upper
43	100		
58	5.3	24.9	37.3#





#17

Carbon Disulfide

Concen: 2.295 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

Instrument :

MSVOA_X

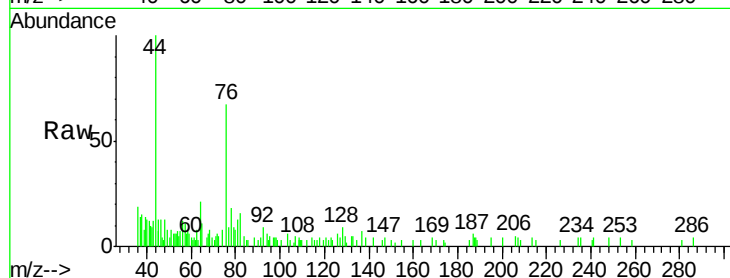
ClientSampleId :

Tot Ion: 76 Resp: 2170

Ion Ratio Lower Upper

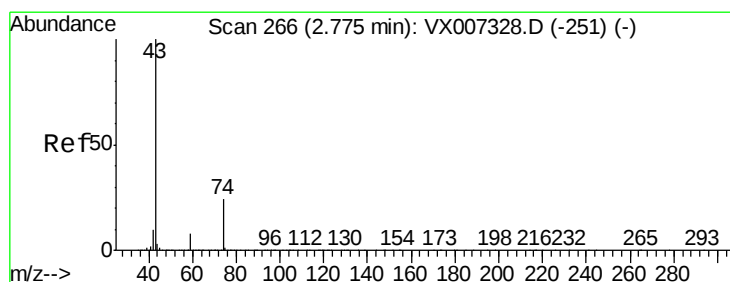
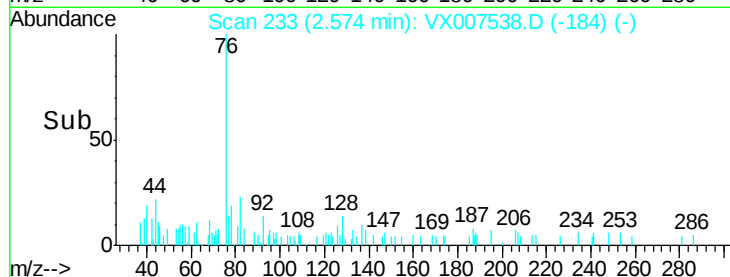
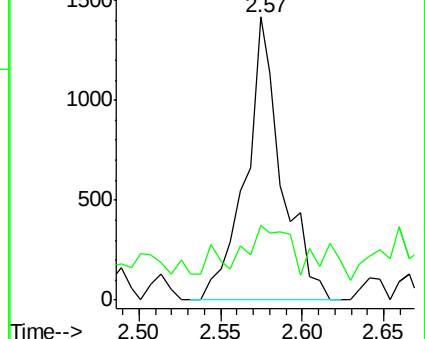
76 100

78 17.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.780 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007538.D

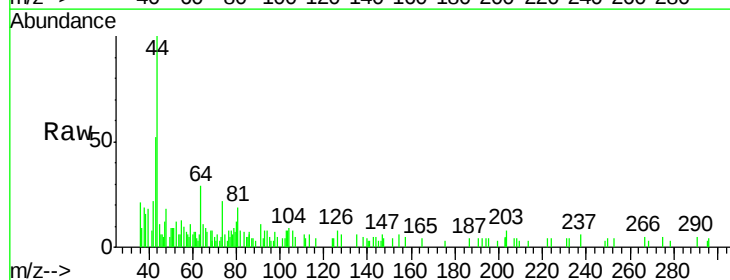
Acq: 14 Feb 2019 11:55

Tgt Ion: 43 Resp: 1148

Ion Ratio Lower Upper

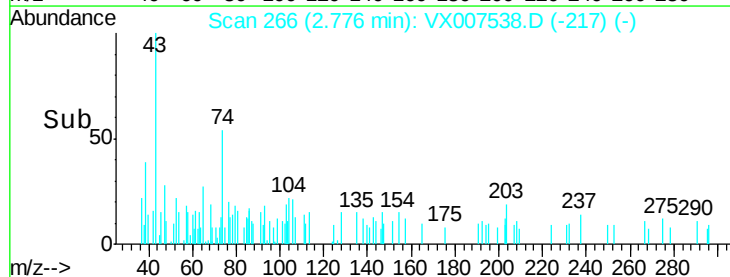
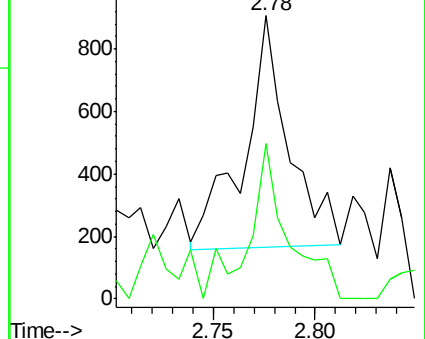
43 100

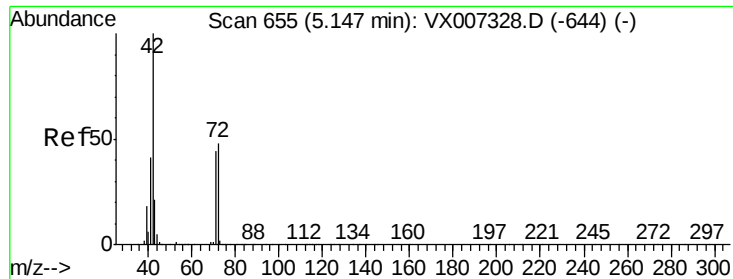
74 59.2 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

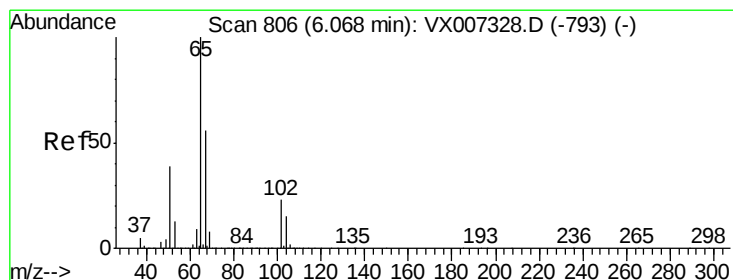
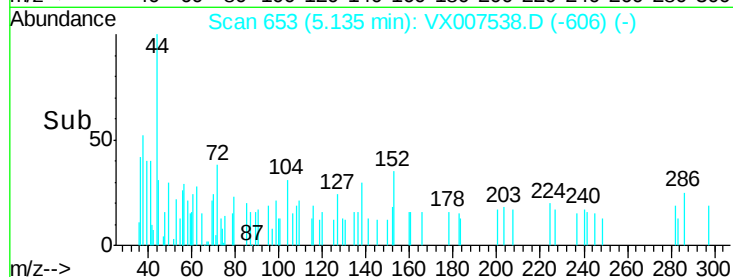
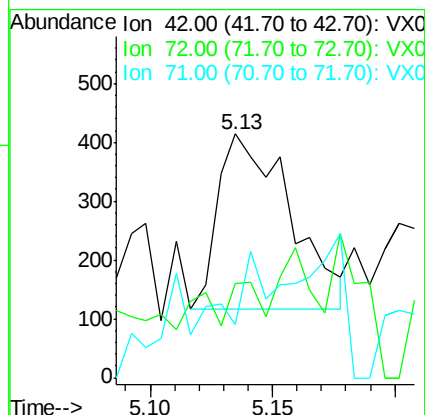
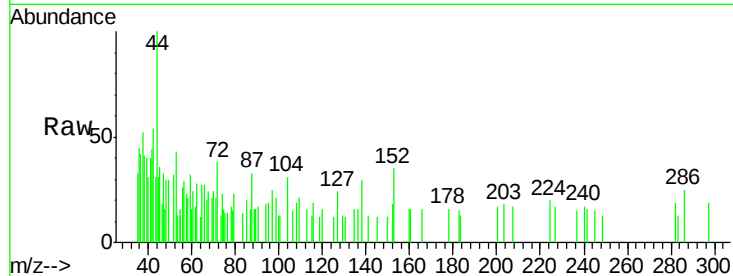




#29
Tetrahydrofuran
Concen: 0.293 ug/l
RT: 5.13 min Scan# 653
Delta R.T. -0.01 min
Lab File: VX007538.D
Acq: 14 Feb 2019 11:55

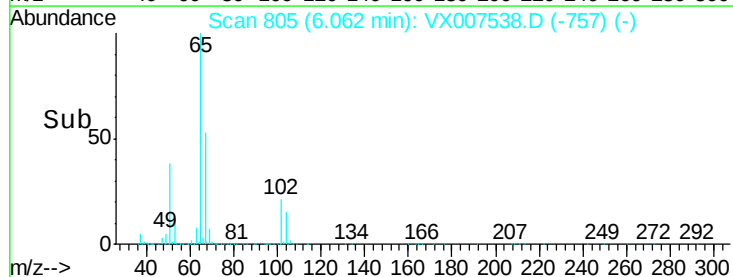
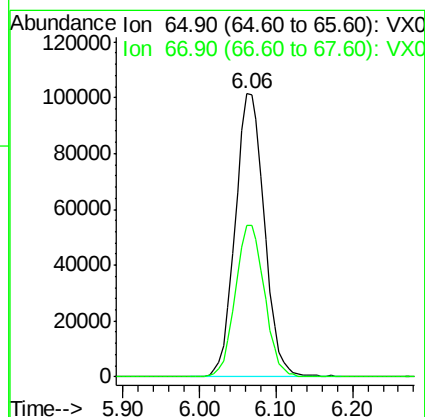
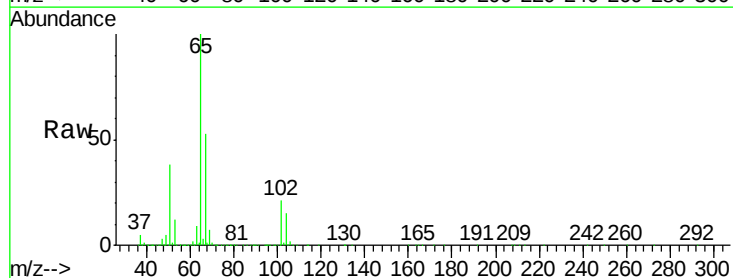
Instrument :
MSVOA_X
ClientSampleId :

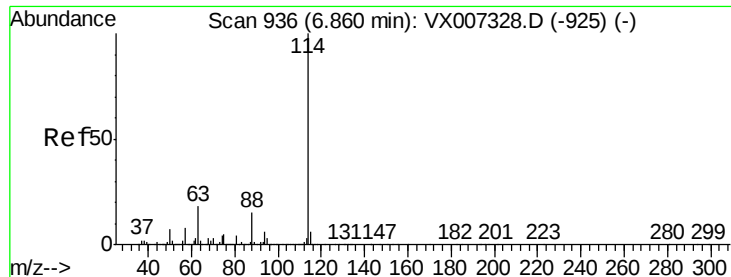
Tot Ion: 42 Resp: 612
Ion Ratio Lower Upper
42 100
72 25.5 37.6 56.4#
71 18.1 34.6 51.8#



#33
1,2-Dichloroethane-d4
Concen: 52.577 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX007538.D
Acq: 14 Feb 2019 11:55

Tgt Ion: 65 Resp: 267764
Ion Ratio Lower Upper
65 100
67 53.5 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: VX007538.D

Acq: 14 Feb 2019 11:55

Instrument :

MSVOA_X

ClientSampled :

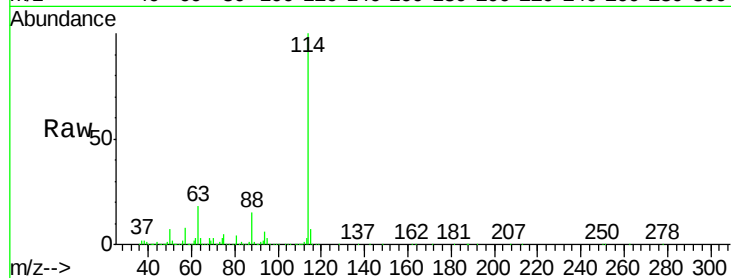
Tot Ion:114 Resp: 762159

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

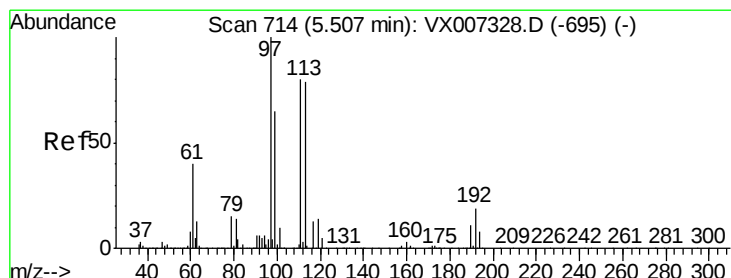
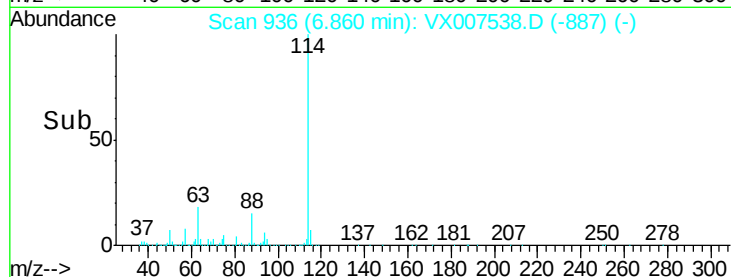
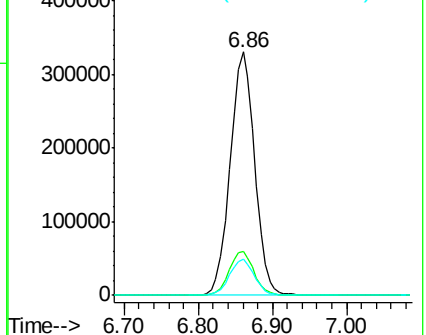
88 14.8 0.0 29.6



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: 50.404 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

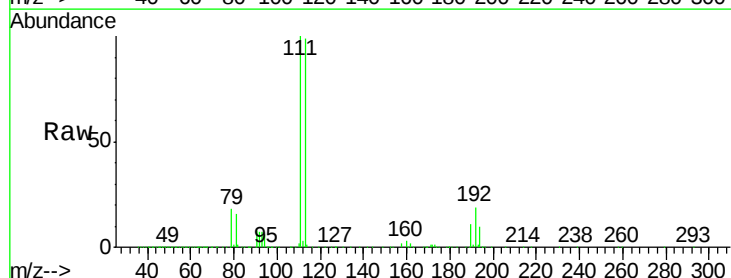
Tgt Ion:113 Resp: 249958

Ion Ratio Lower Upper

113 100

111 101.0 81.8 122.8

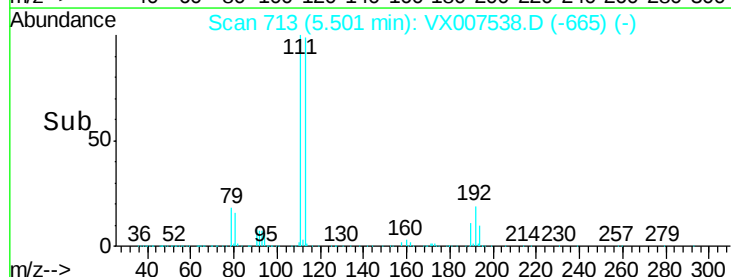
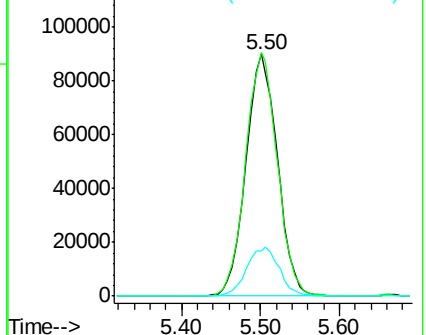
192 21.0 18.5 27.7

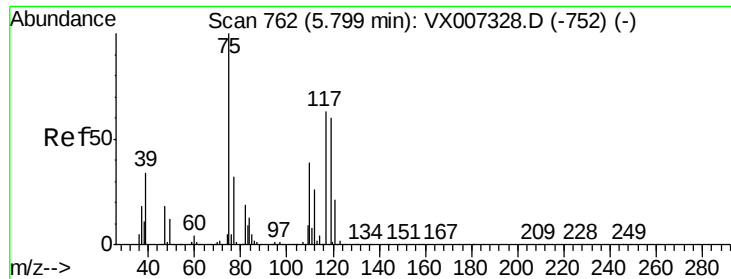


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.715 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

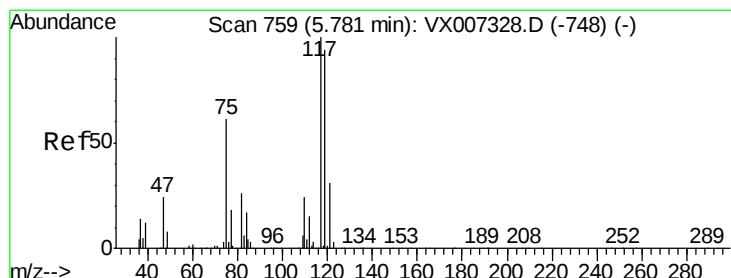
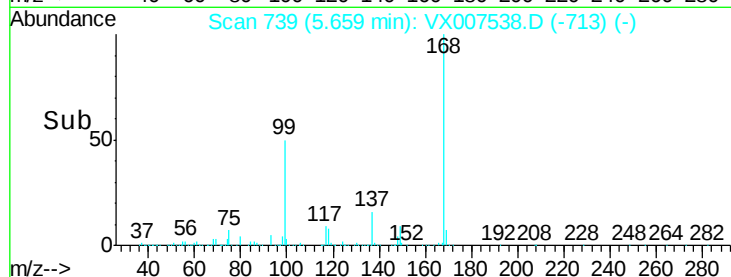
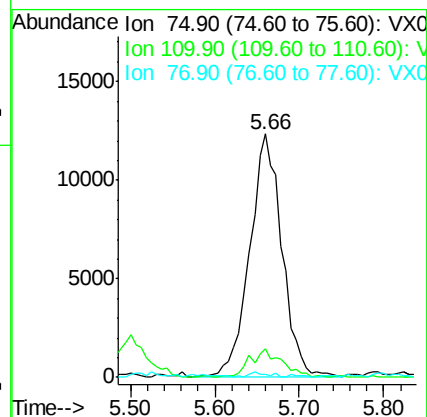
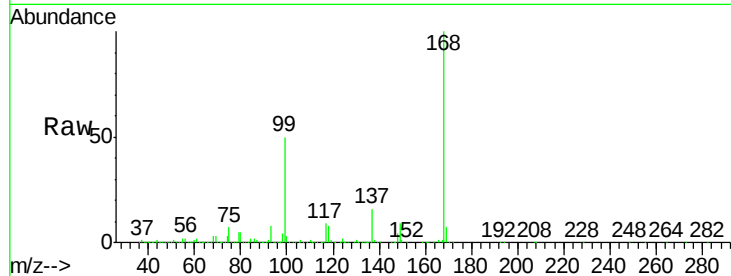
Tot Ion: 75 Resp: 32243

Ion Ratio Lower Upper

75 100

110 11.8 20.0 59.9#

77 1.3 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.677 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

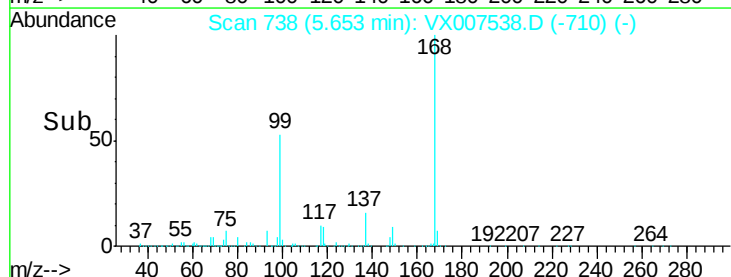
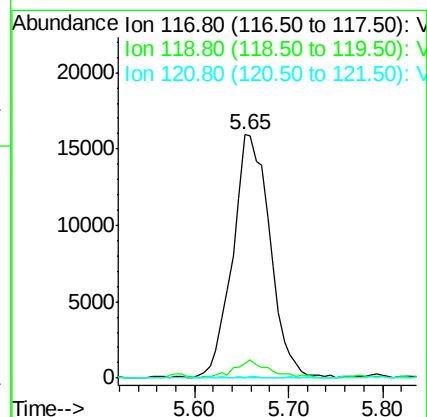
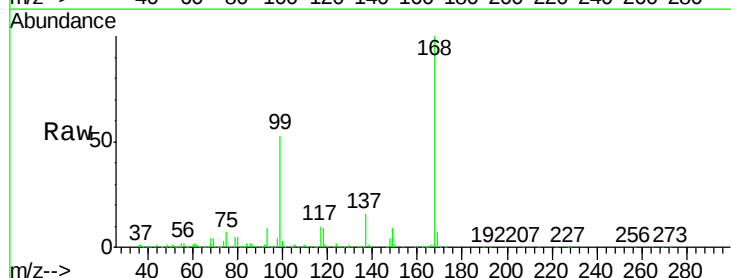
Tgt Ion: 117 Resp: 44295

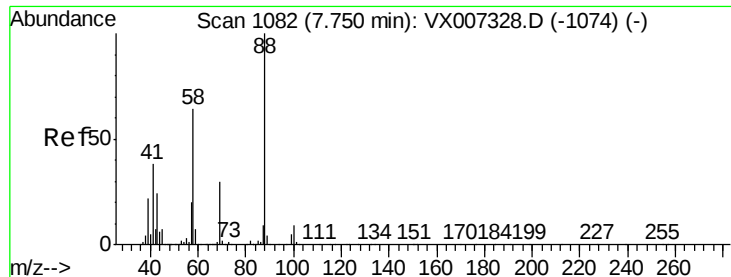
Ion Ratio Lower Upper

117 100

119 5.7 75.3 112.9#

121 0.0 25.0 37.4#

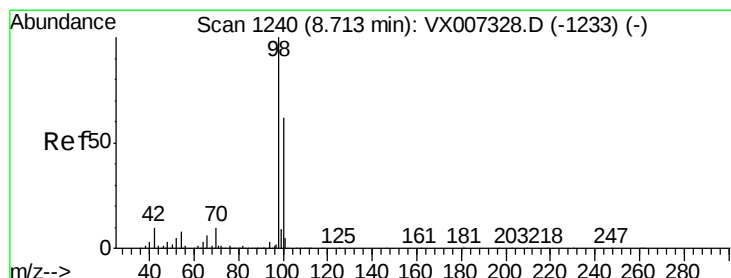
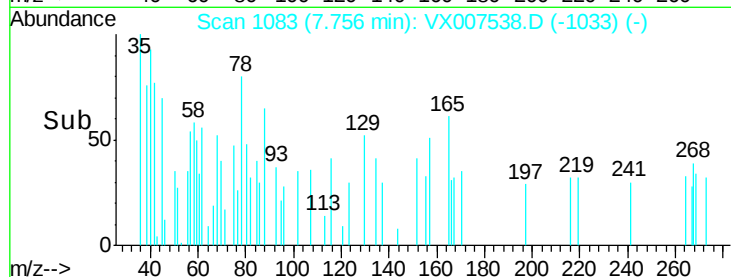
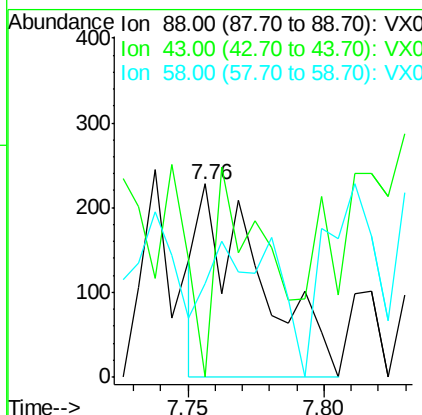
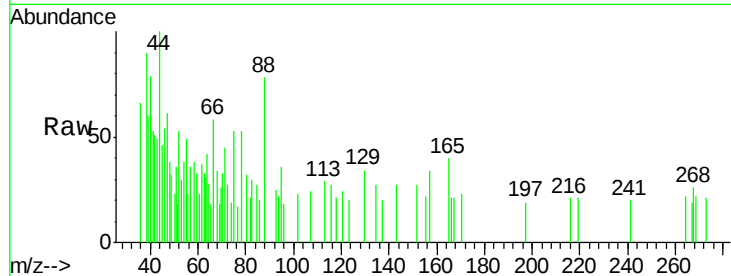




#49
1,4-Dioxane
Concen: 9.751 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007538.D
Acq: 14 Feb 2019 11:55

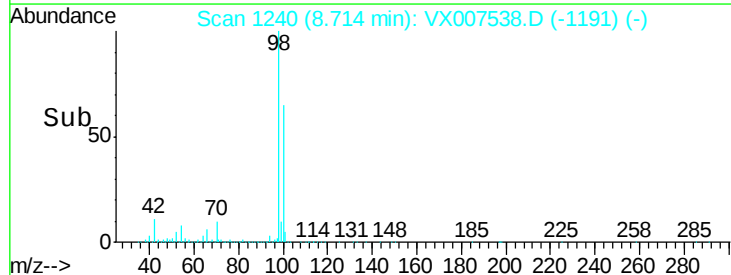
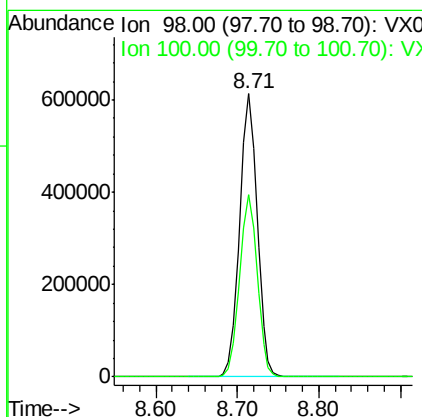
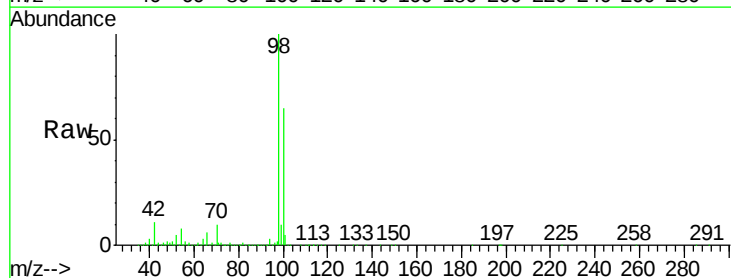
Instrument :
MSVOA_X
ClientSampleId :

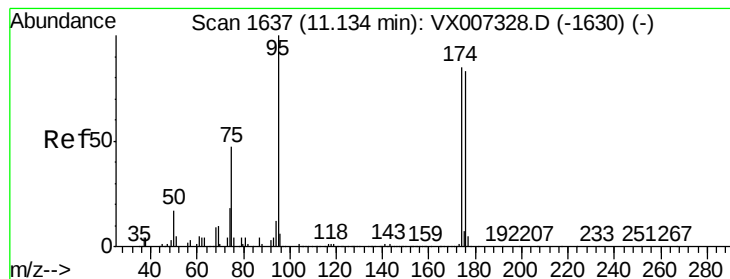
Tot Ion: 88 Resp: 351
Ion Ratio Lower Upper
88 100
43 85.5 24.2 36.4#
58 0.0 53.0 79.4#



#50
Toluene-d8
Concen: 49.401 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007538.D
Acq: 14 Feb 2019 11:55

Tgt Ion: 98 Resp: 908931
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 46.539 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

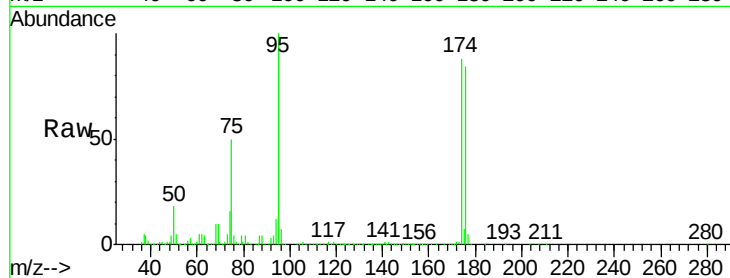
Tot Ion: 95 Resp: 312624

Ion Ratio Lower Upper

95 100

174 91.6 0.0 189.2

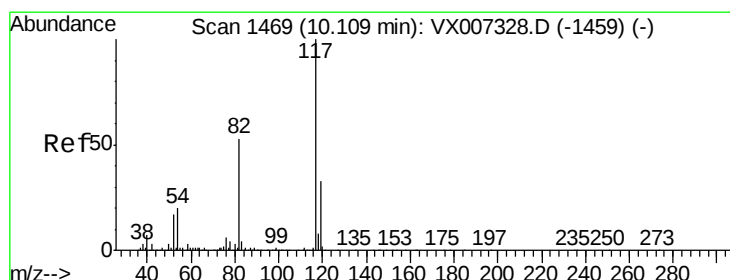
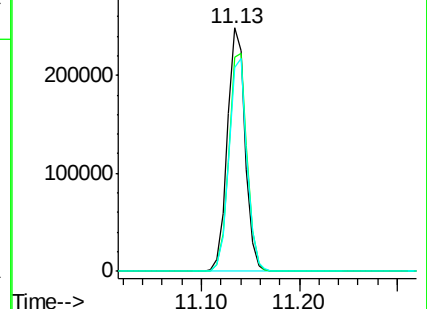
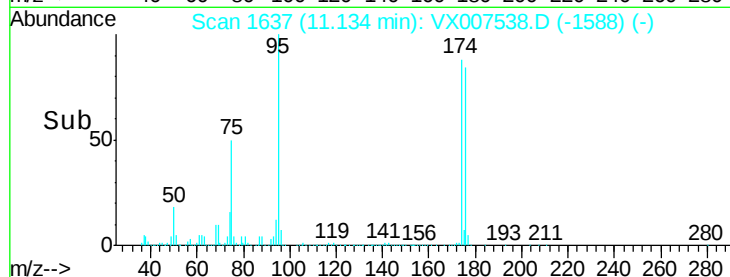
176 88.5 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007538.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007538.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007538.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

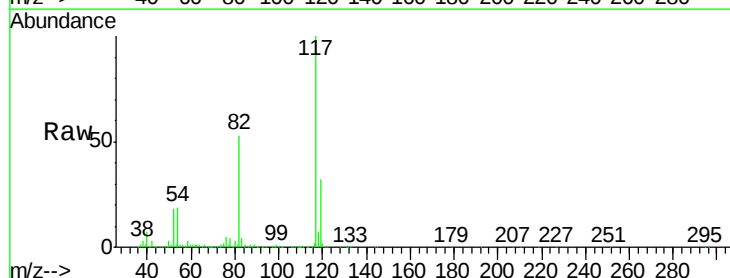
Tgt Ion: 117 Resp: 713813

Ion Ratio Lower Upper

117 100

82 53.2 42.1 63.1

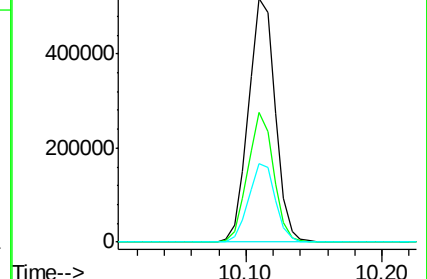
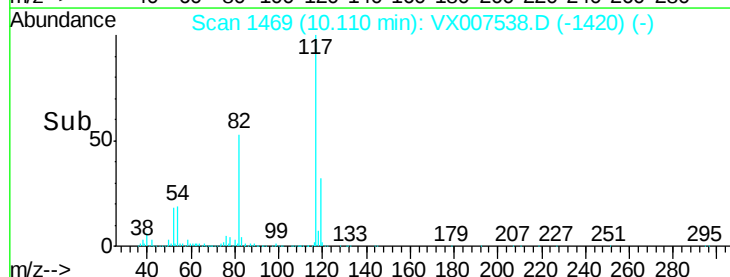
119 32.1 26.5 39.7

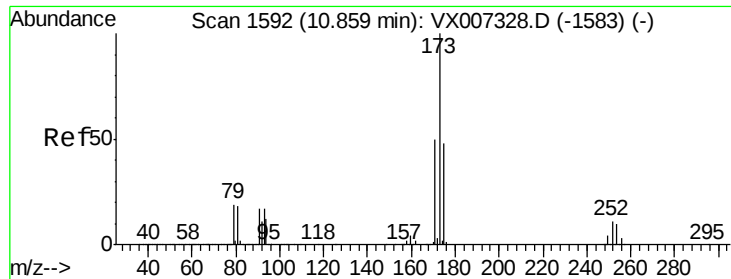


Abundance Ion 116.90 (116.60 to 117.60): VX007538.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007538.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007538.D (-1420) (-)





#71

Bromoform

Concen: 4.047 ug/l

RT: 10.81 min Scan# 1584

Delta R.T. -0.05 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

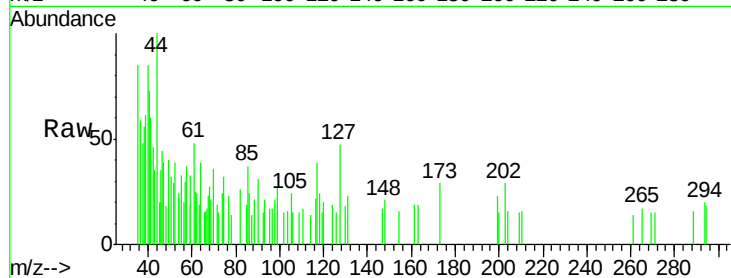
Tot Ion:173 Resp: 87

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

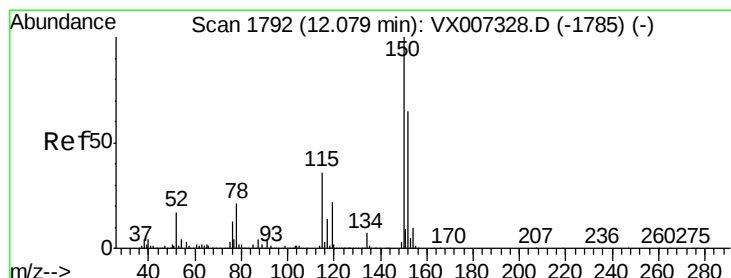
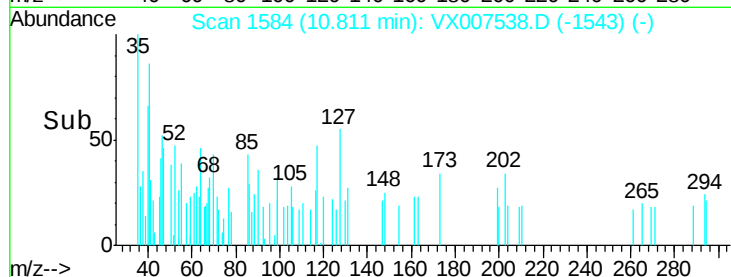
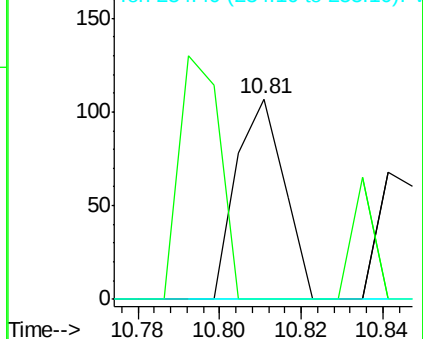
254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

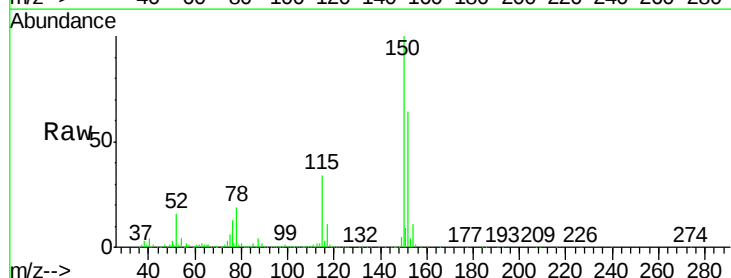
Tgt Ion:152 Resp: 331388

Ion Ratio Lower Upper

152 100

115 55.5 38.0 114.0

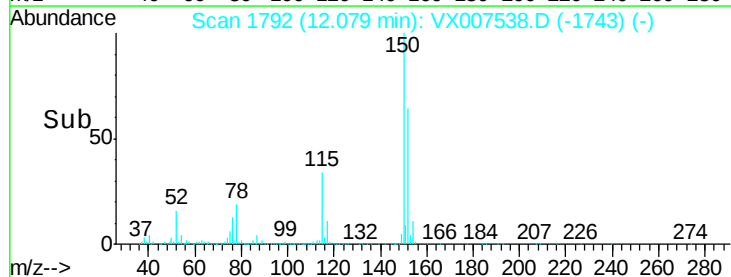
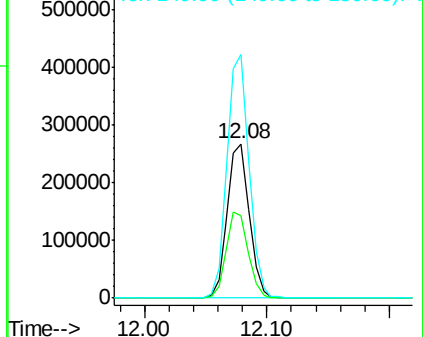
150 157.7 0.0 346.4

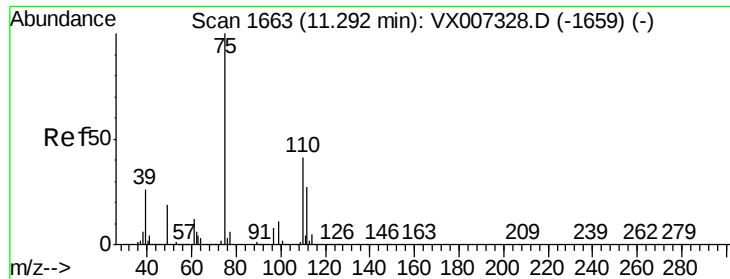


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.420 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

Instrument :

MSVOA_X

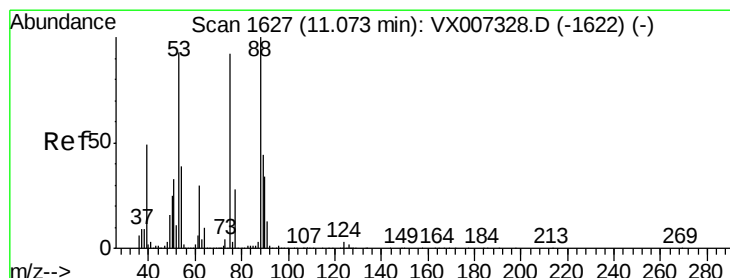
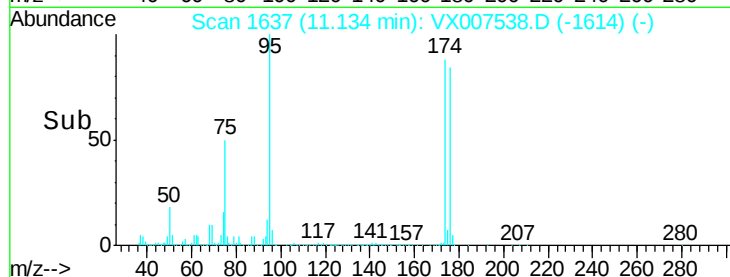
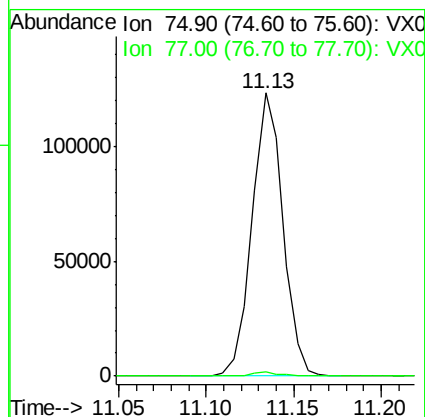
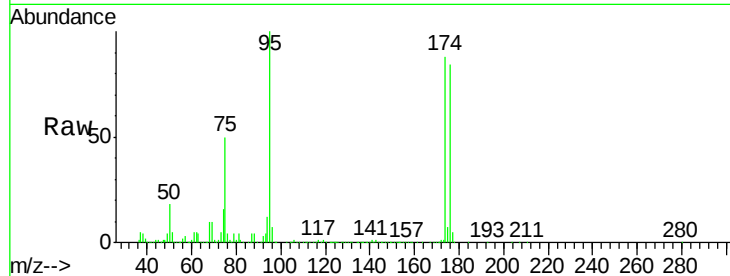
ClientSampled :

Tot Ion: 75 Resp: 150964

Ion Ratio Lower Upper

75 100

77 1.4 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.496 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007538.D

Acq: 14 Feb 2019 11:55

Tgt Ion: 75 Resp: 150964

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 41.4 62.0#

