

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020719\
 Data File : VX007415.D
 Acq On : 07 Feb 2019 10:43
 Operator : JC/SP
 Sample : VX0207WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBL01

Quant Time: Feb 08 22:04:39 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	541514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	835063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	776292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	371975	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	293131	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	5.50	113	268232	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	8.71	98	997104	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.13	95	345464	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	

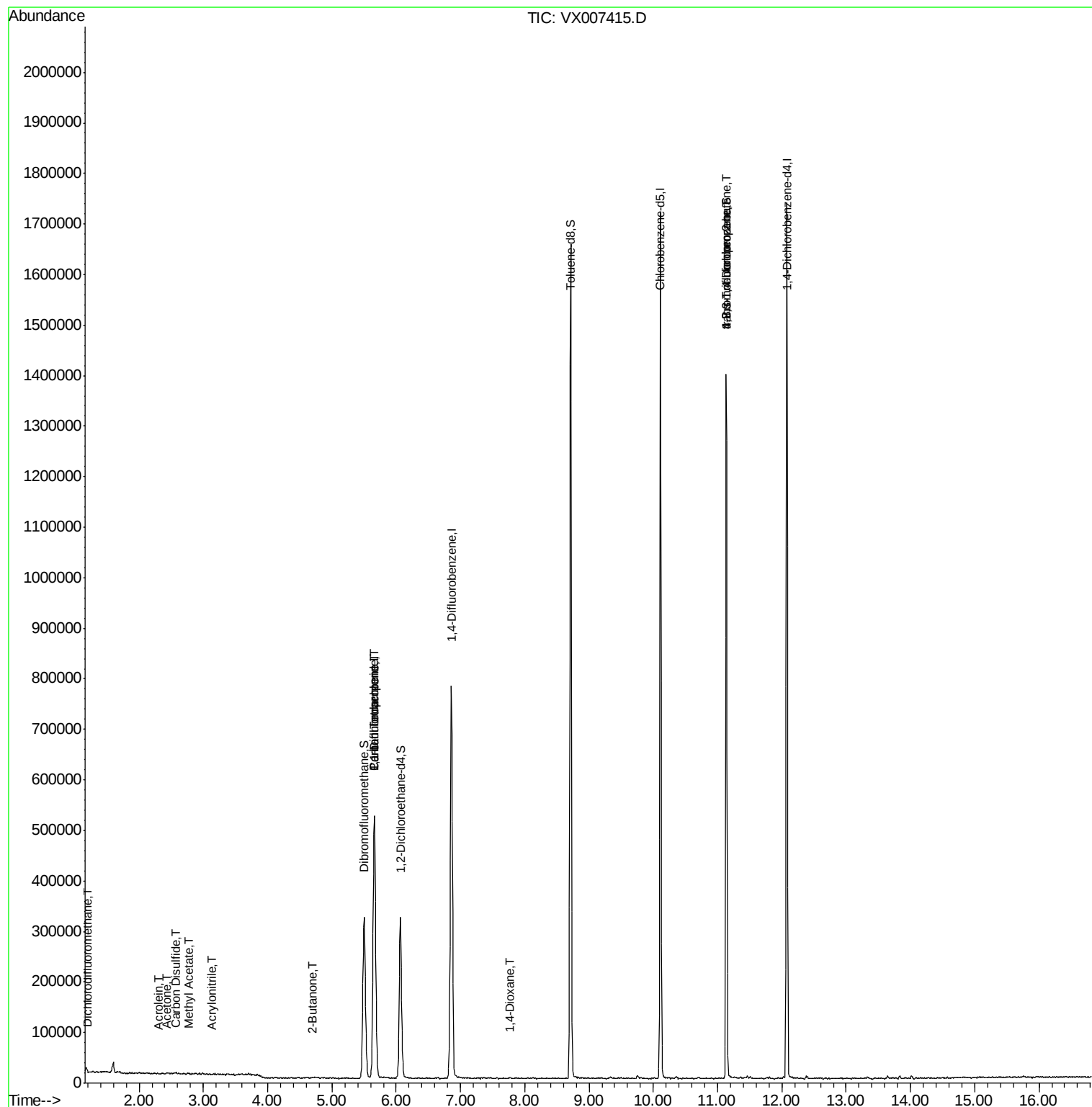
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	289	0.221	ug/l	87
5) Bromomethane	1.67	94	1126	Below Cal	#	56
13) Acrolein	2.30	56	523	0.938	ug/l	85
15) Acrylonitrile	3.14	53	1155	0.393	ug/l #	72
16) Acetone	2.44	43	1061	0.403	ug/l #	70
17) Carbon Disulfide	2.57	76	3130	2.343	ug/l #	79
18) Methyl Acetate	2.77	43	2140	0.901	ug/l #	71
20) Methylene Chloride	2.85	84	784	Below Cal	#	79
25) 2-Butanone	4.70	43	1011	0.270	ug/l #	47
36) 1,1-Dichloropropene	5.66	75	35961	4.800	ug/l #	50
38) Carbon Tetrachloride	5.66	117	48261	6.639	ug/l #	17
49) 1,4-Dioxane	7.77	88	224	8.552	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	167017	23.083	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	167017	69.543	ug/l #	9

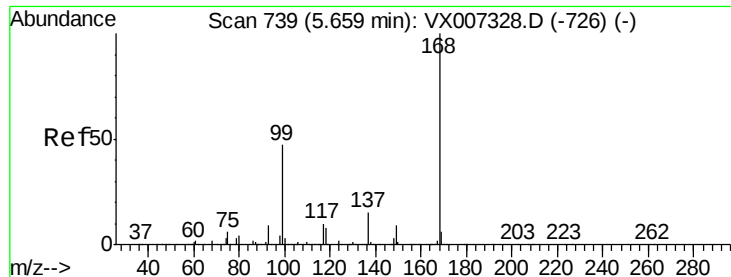
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 08 22:04:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
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: VX007415.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

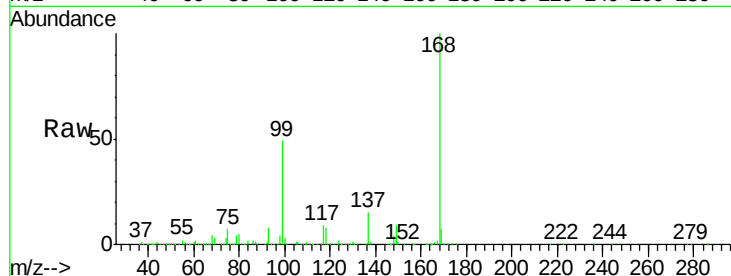
VX0207WBL01

Tot Ion:168 Resp: 541514

Ion Ratio Lower Upper

168 100

99 48.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

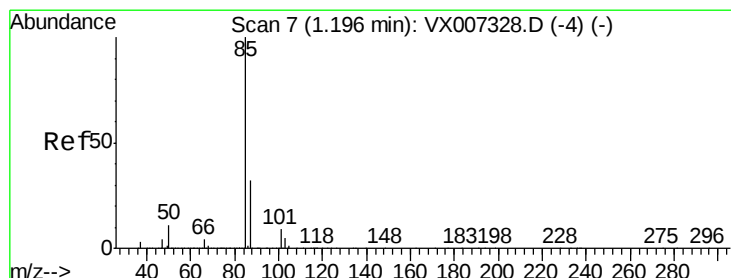
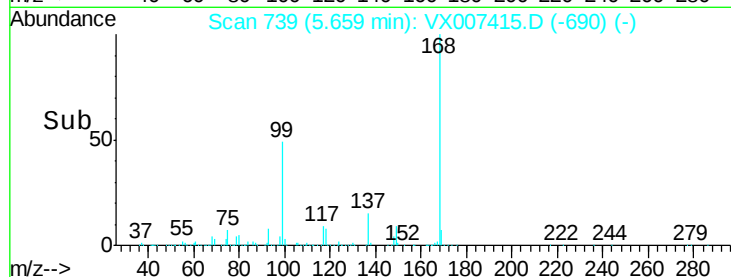
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.221 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007415.D

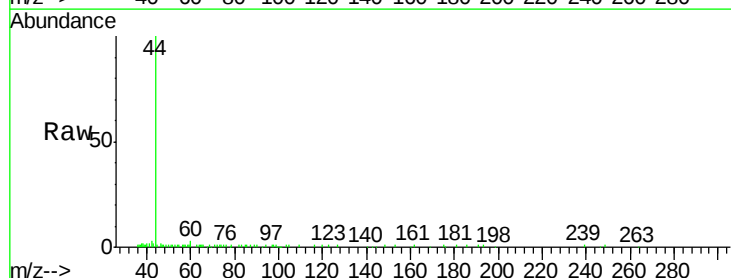
Acq: 07 Feb 2019 10:43

Tgt Ion: 85 Resp: 289

Ion Ratio Lower Upper

85 100

87 24.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300

250

200

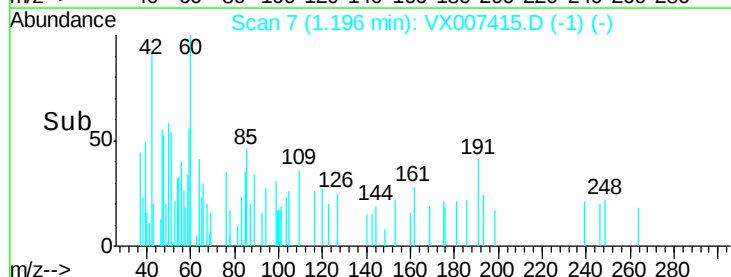
150

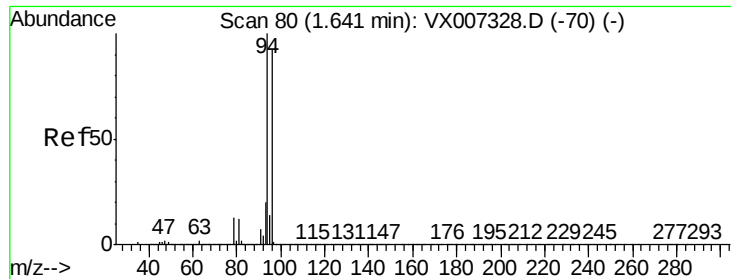
100

50

0

Time--> 1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. 0.03 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

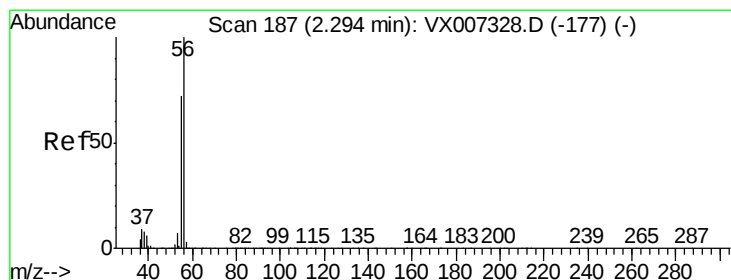
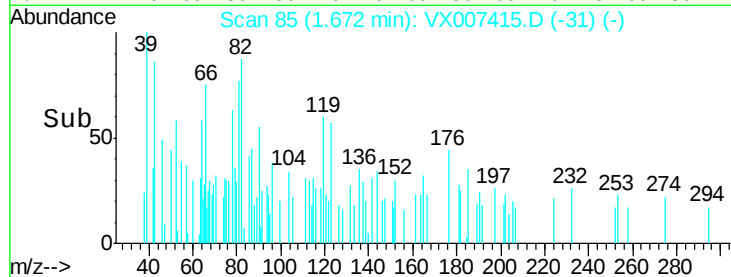
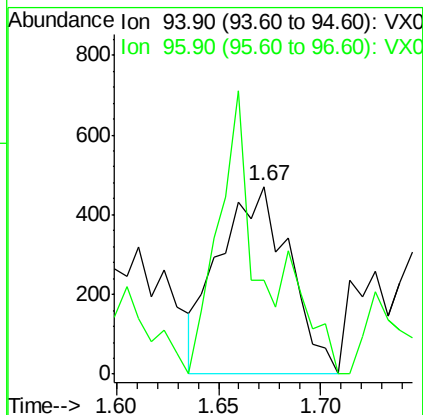
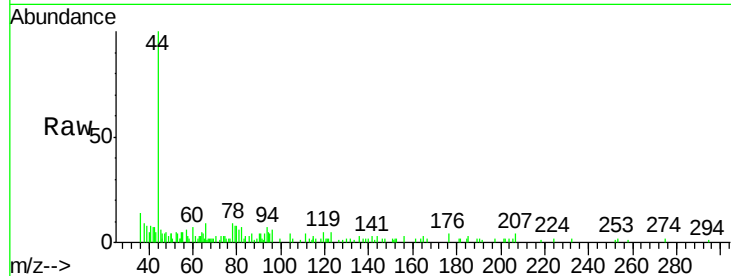
VX0207WBL01

Tot Ion: 94 Resp: 1126

Ion Ratio Lower Upper

94 100

96 49.9 73.9 110.9#



#13

Acrolein

Concen: 0.938 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007415.D

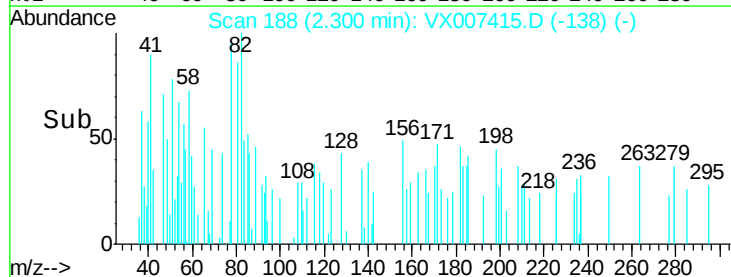
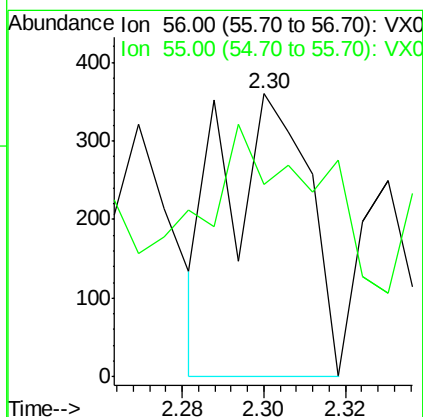
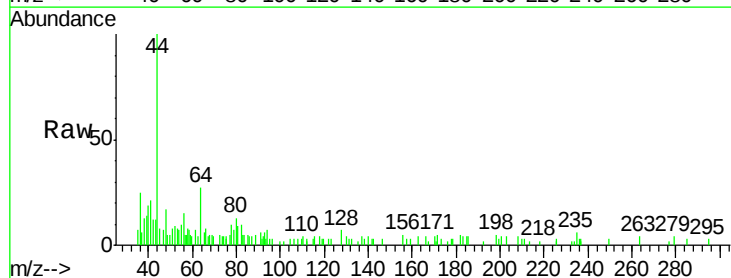
Acq: 07 Feb 2019 10:43

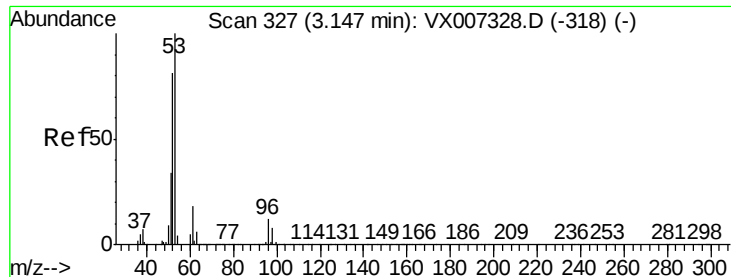
Tgt Ion: 56 Resp: 523

Ion Ratio Lower Upper

56 100

55 83.7 56.9 85.3





#15

Acrylonitrile

Concen: 0.393 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBL01

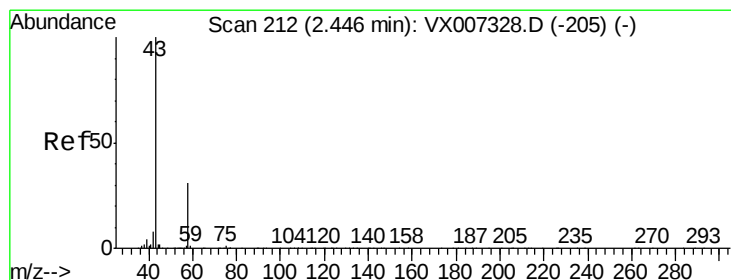
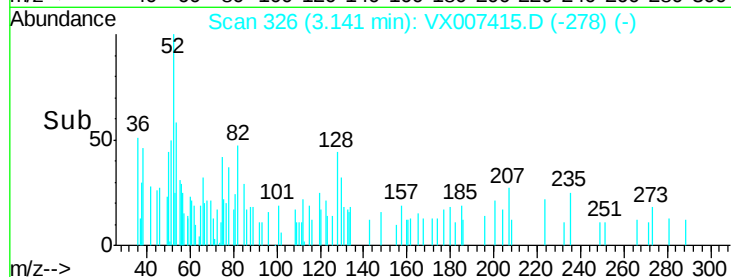
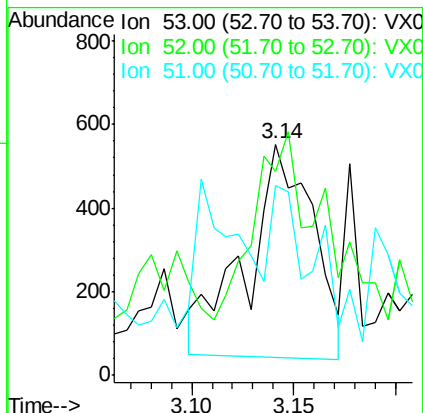
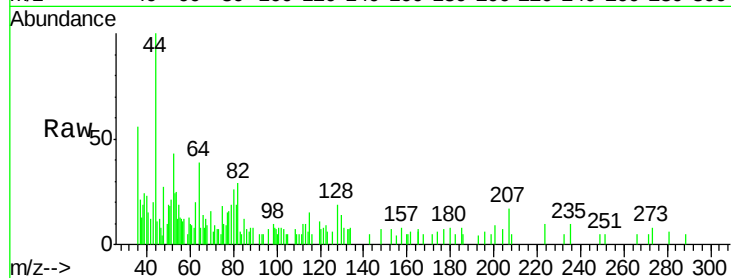
Tot Ion: 53 Resp: 1155

Ion Ratio Lower Upper

53 100

52 111.6 66.4 99.6#

51 47.3 28.4 42.6#



#16

Acetone

Concen: 0.403 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX007415.D

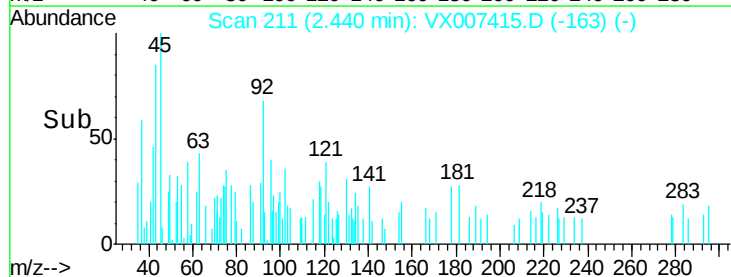
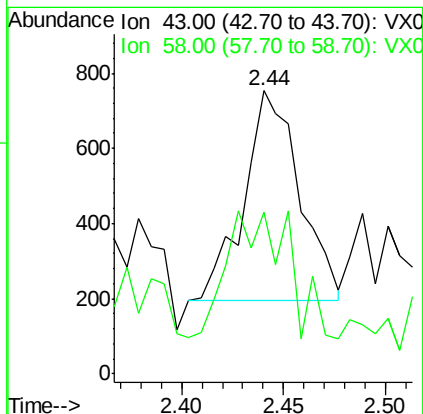
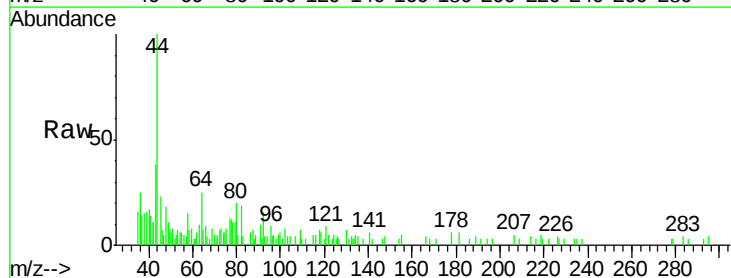
Acq: 07 Feb 2019 10:43

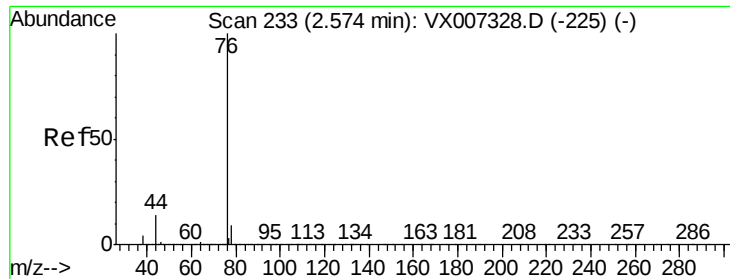
Tgt Ion: 43 Resp: 1061

Ion Ratio Lower Upper

43 100

58 47.8 24.9 37.3#





#17

Carbon Disulfide

Concen: 2.343 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

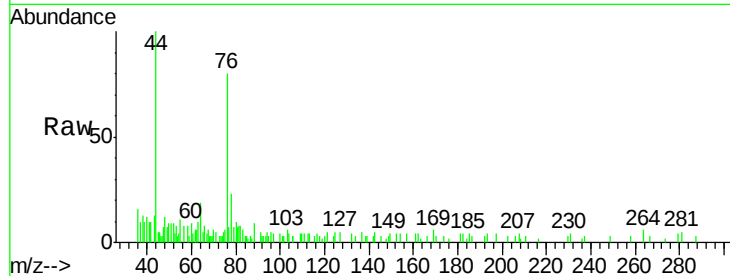
VX0207WBL01

Tot Ion: 76 Resp: 3130

Ion Ratio Lower Upper

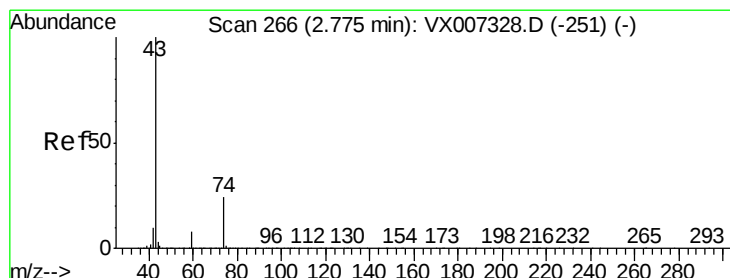
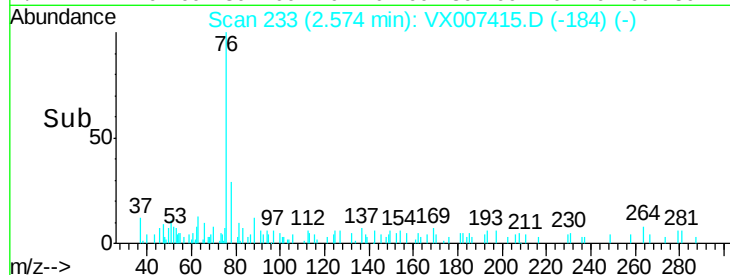
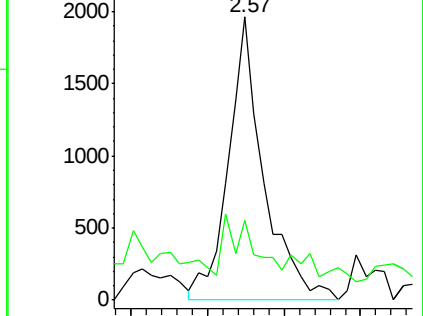
76 100

78 16.6 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: 0.901 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX007415.D

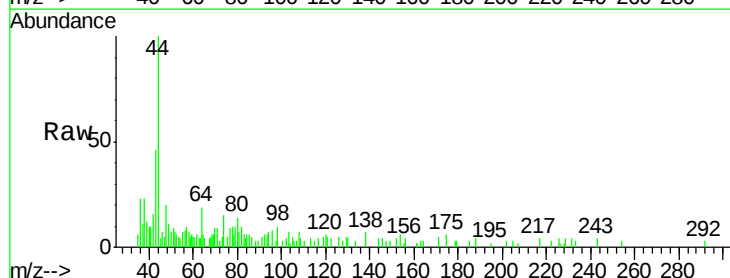
Acq: 07 Feb 2019 10:43

Tgt Ion: 43 Resp: 2140

Ion Ratio Lower Upper

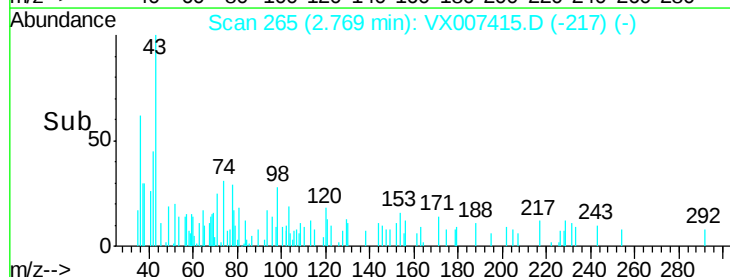
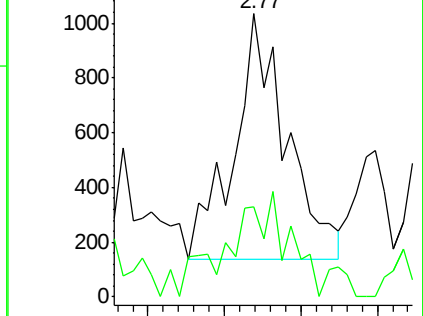
43 100

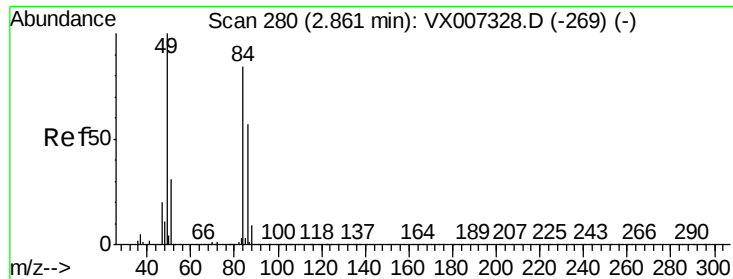
74 38.9 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

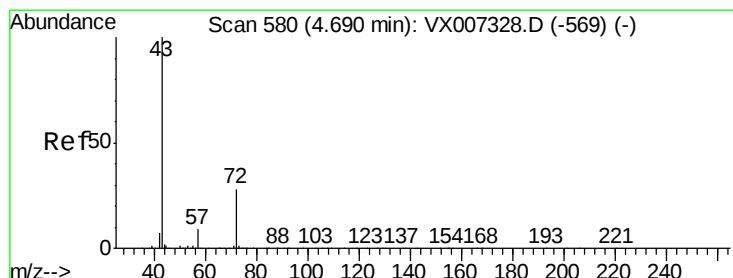
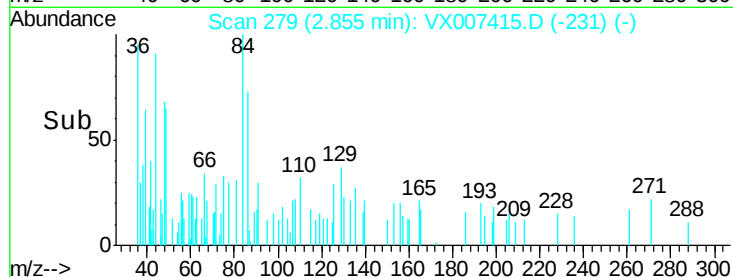
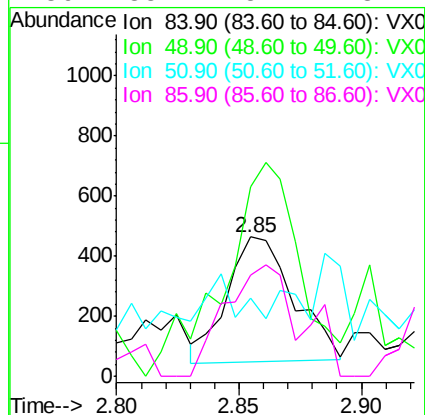
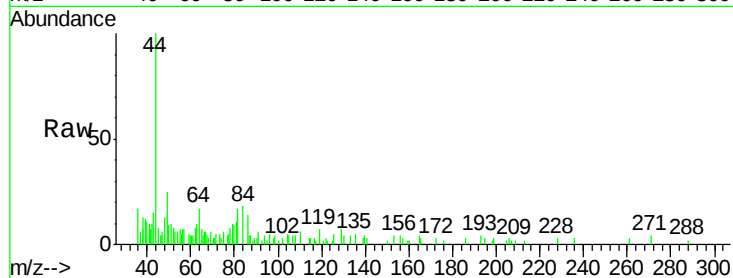




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007415.D
Acq: 07 Feb 2019 10:43

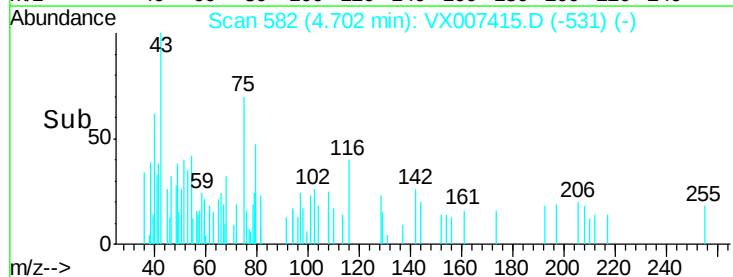
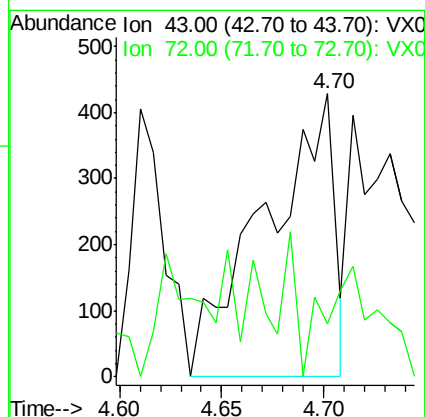
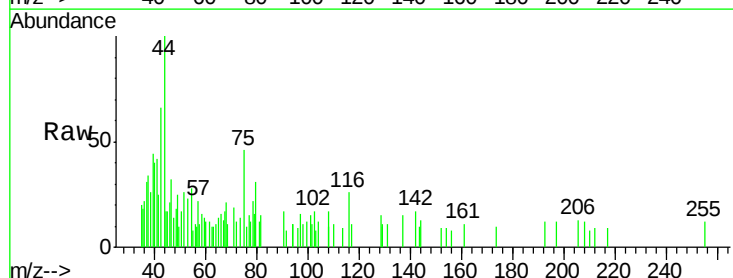
Instrument :
MSVOA_X
ClientSampled :
VX0207WBL01

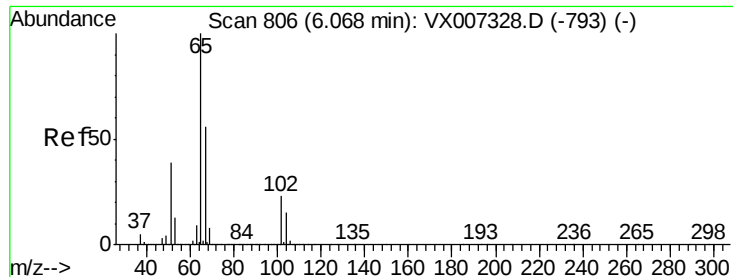
Tot Ion: 84 Resp: 784
Ion Ratio Lower Upper
84 100
49 99.0 94.8 142.2
51 19.1 29.8 44.8#
86 85.2 54.1 81.1#



#25
2-Butanone
Concen: 0.270 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007415.D
Acq: 07 Feb 2019 10:43

Tgt Ion: 43 Resp: 1011
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#

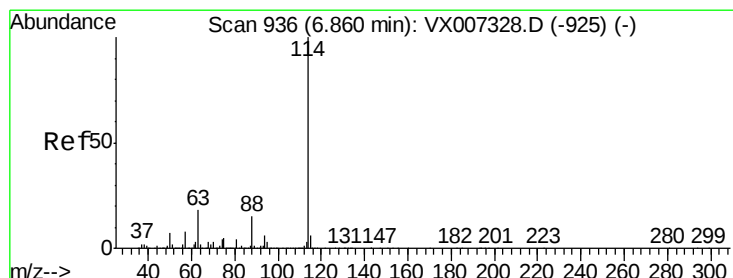
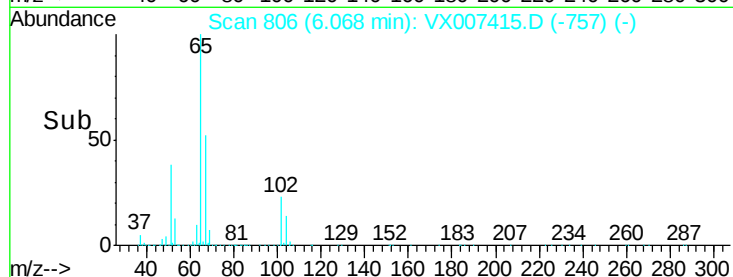
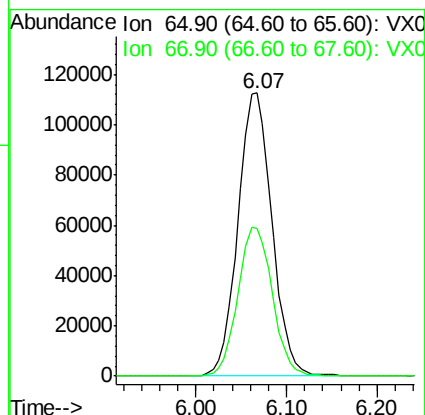
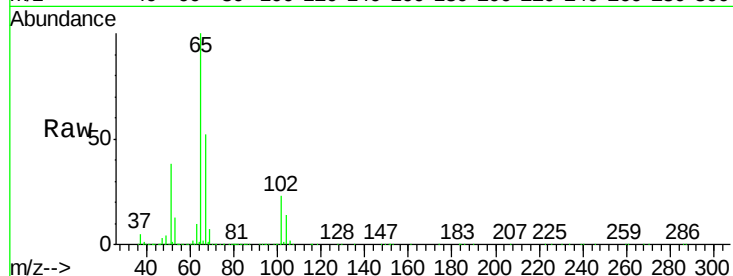




#33
 1,2-Dichloroethane-d4
 Concen: 50.999 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007415.D
 Acq: 07 Feb 2019 10:43

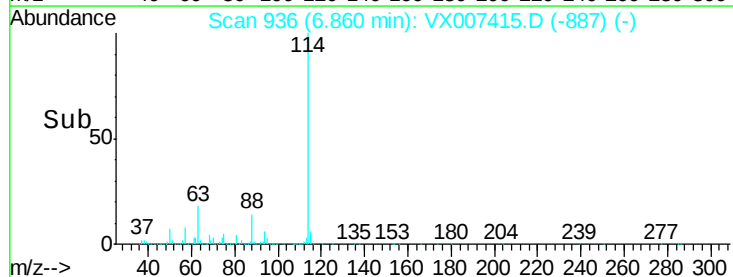
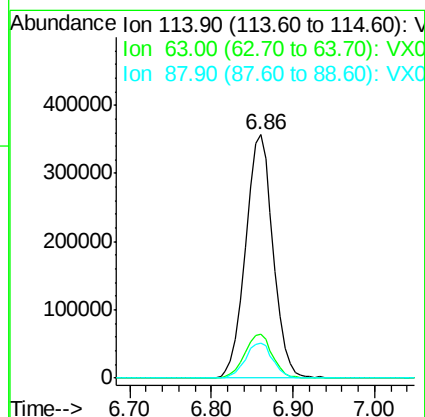
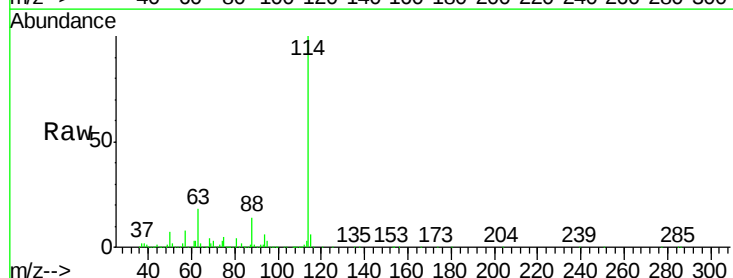
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBL01

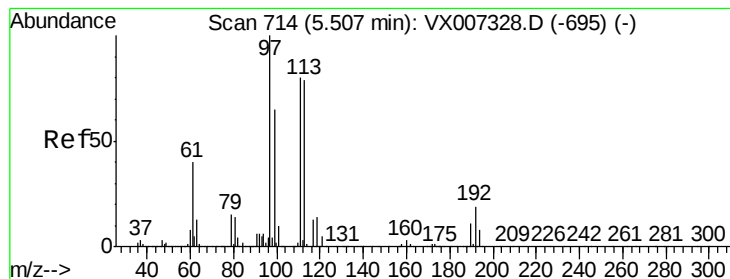
Tot Ion: 65 Resp: 293131
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007415.D
 Acq: 07 Feb 2019 10:43

Tgt Ion: 114 Resp: 835063
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.6
 88 14.4 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.367 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBL01

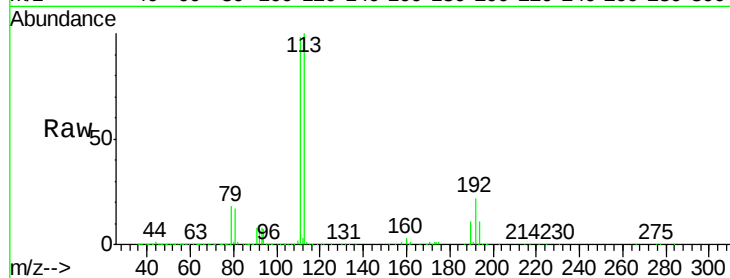
Tot Ion:113 Resp: 268232

Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.8

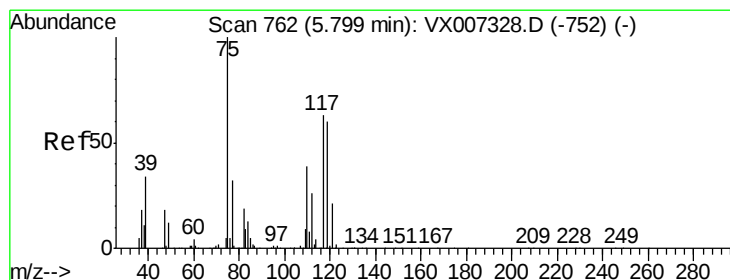
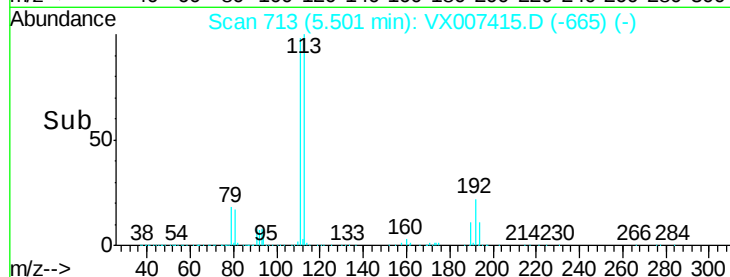
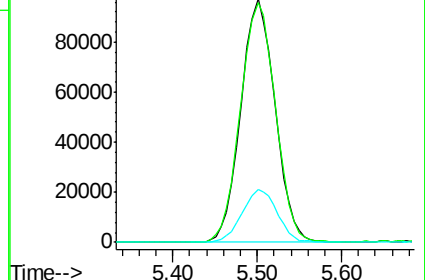
192 22.4 18.5 27.7



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: 4.800 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

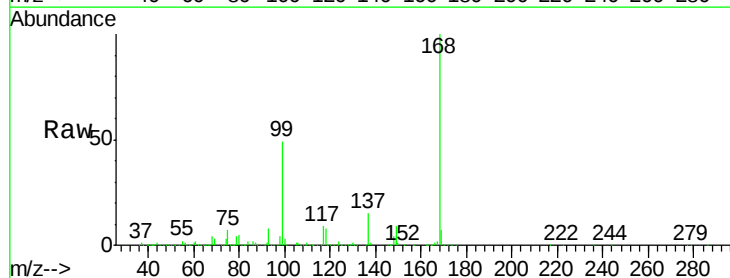
Tgt Ion: 75 Resp: 35961

Ion Ratio Lower Upper

75 100

110 11.1 20.0 59.9#

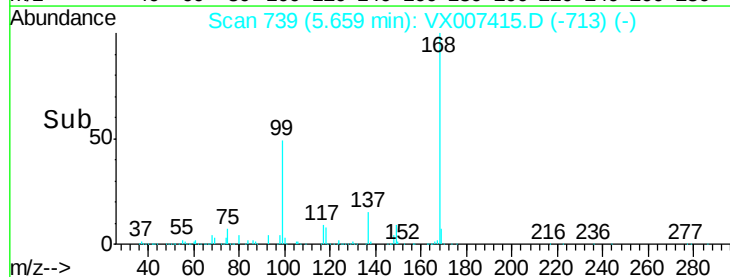
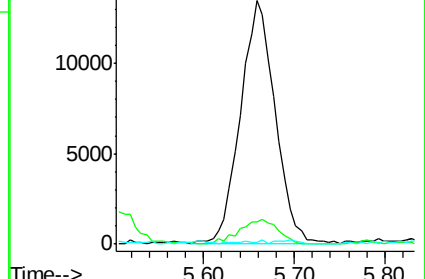
77 0.8 24.7 37.1#

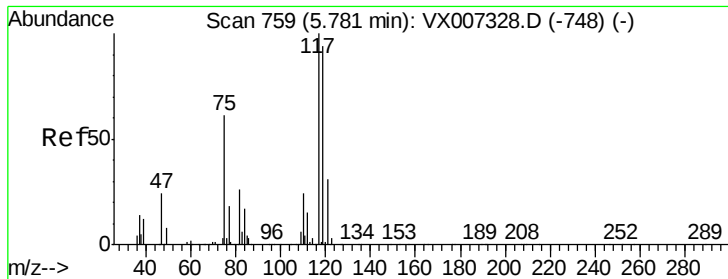


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.639 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBL01

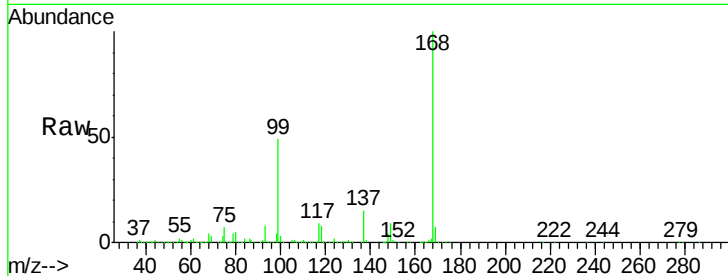
Tot Ion:117 Resp: 48261

Ion Ratio Lower Upper

117 100

119 4.8 75.3 112.9#

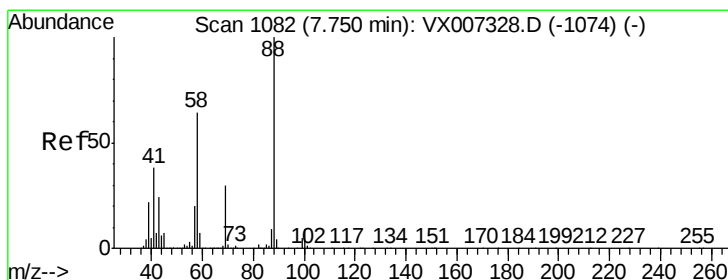
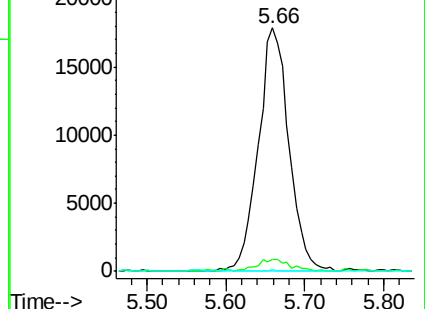
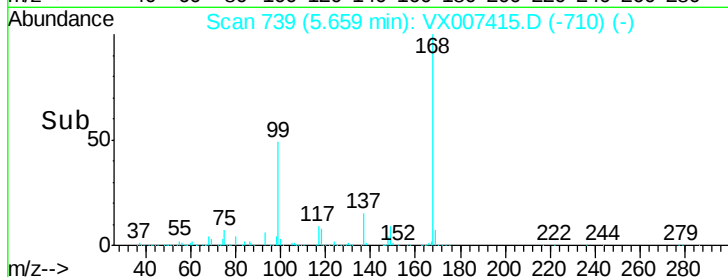
121 0.5 25.0 37.4#



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: 8.552 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

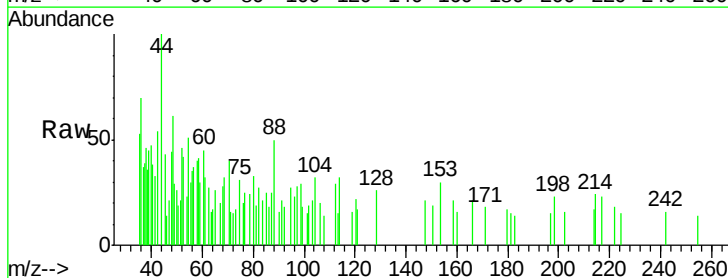
Tgt Ion: 88 Resp: 224

Ion Ratio Lower Upper

88 100

43 158.5 24.2 36.4#

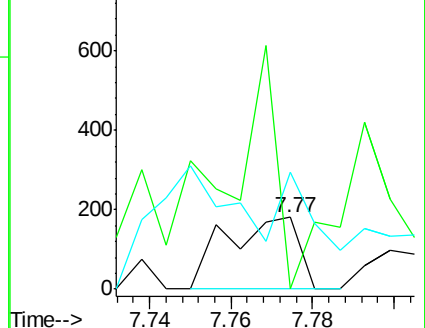
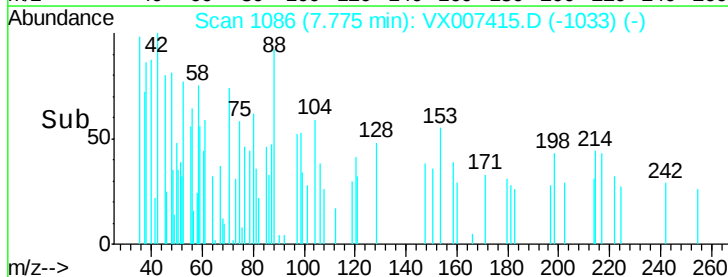
58 0.0 53.0 79.4#

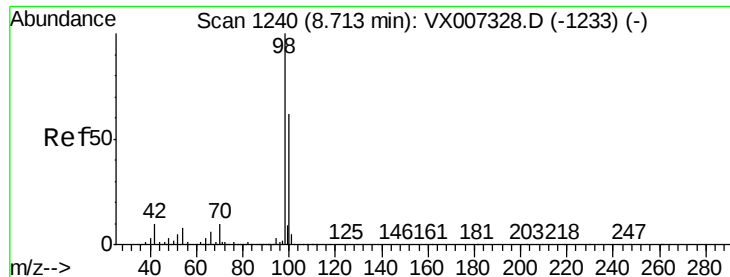


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.462 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

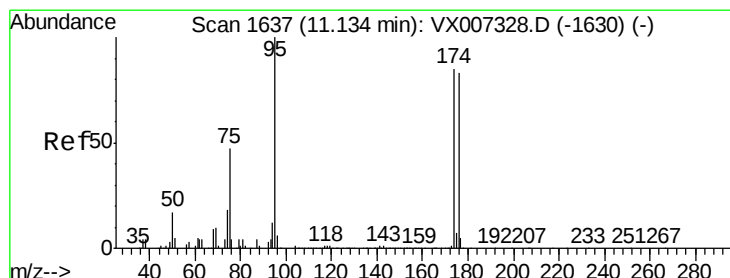
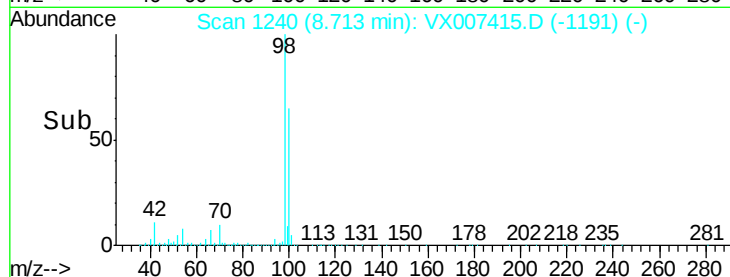
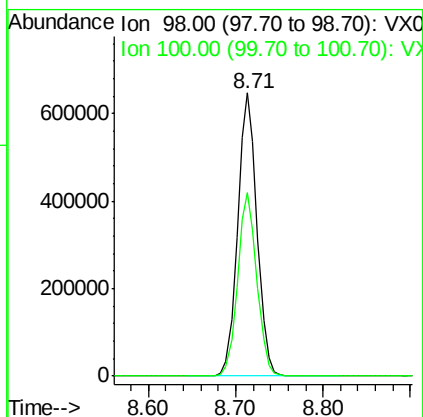
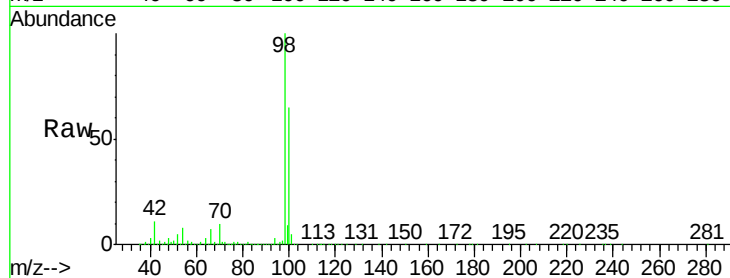
VX0207WBL01

Tot Ion: 98 Resp: 997104

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 46.937 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

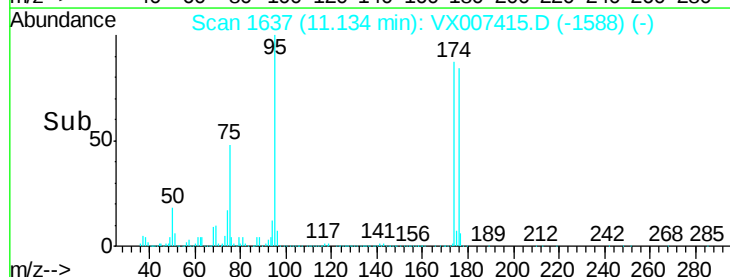
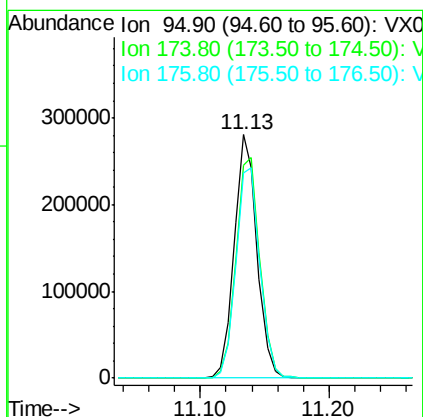
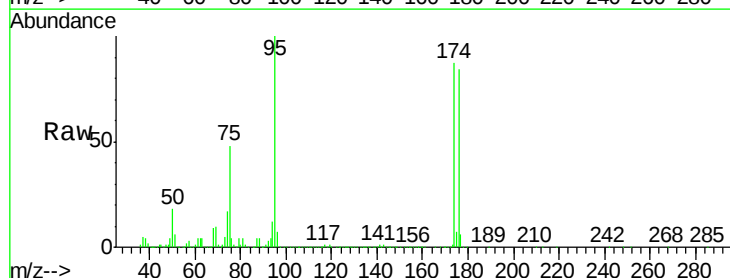
Tgt Ion: 95 Resp: 345464

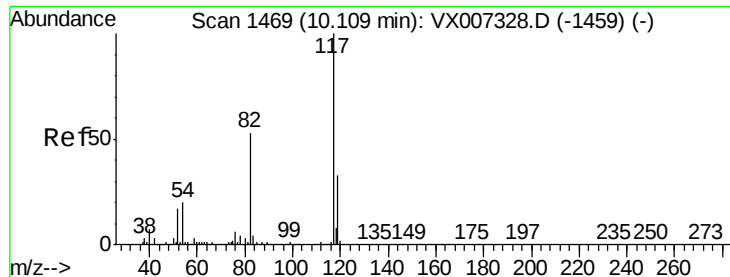
Ion Ratio Lower Upper

95 100

174 94.9 0.0 189.2

176 91.1 0.0 186.2

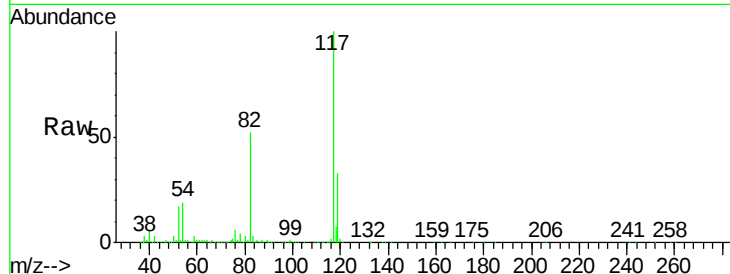




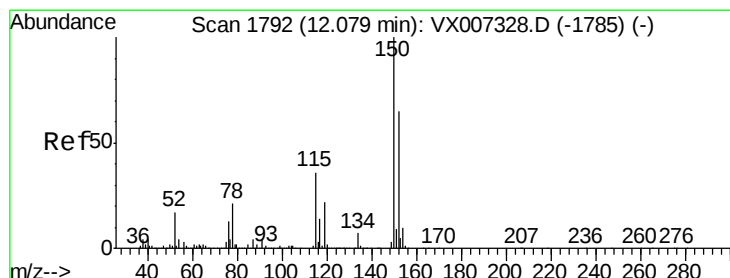
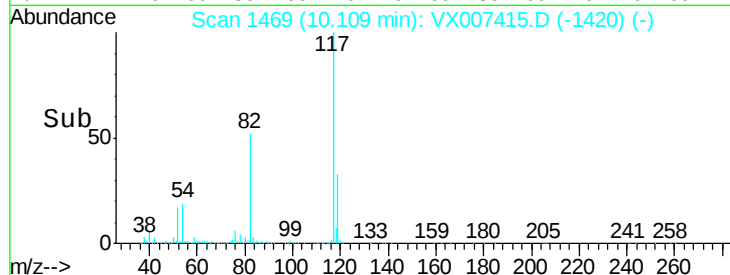
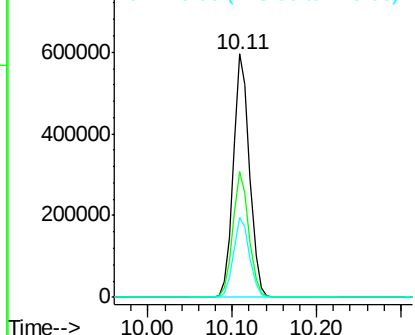
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007415.D
Acq: 07 Feb 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

Tot Ion:117 Resp: 776292
Ion Ratio Lower Upper
117 100
82 51.7 42.1 63.1
119 32.7 26.5 39.7

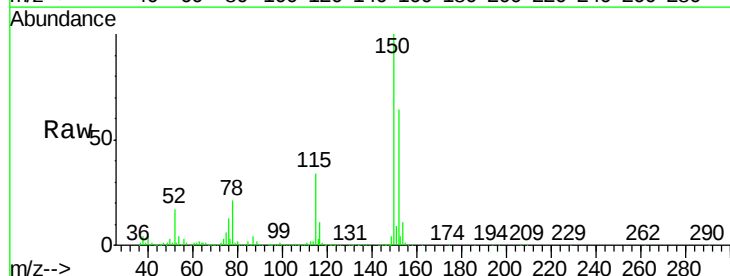


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

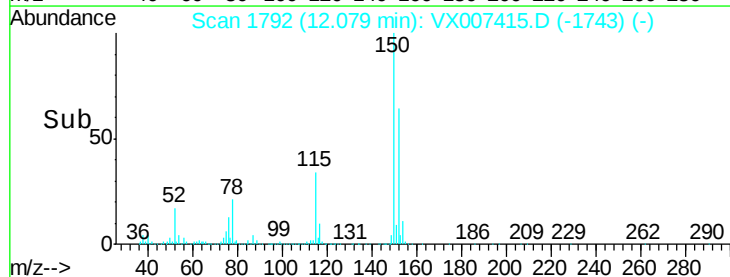
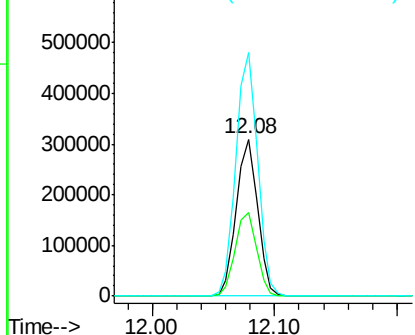


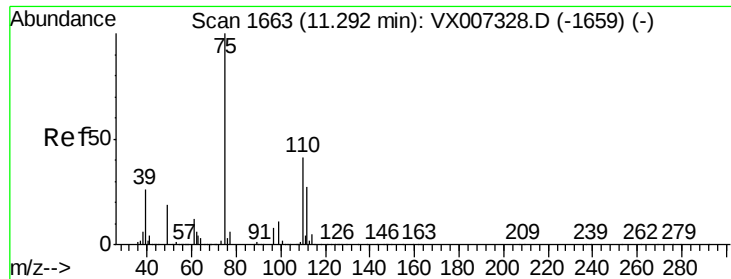
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007415.D
Acq: 07 Feb 2019 10:43

Tgt Ion:152 Resp: 371975
Ion Ratio Lower Upper
152 100
115 54.2 38.0 114.0
150 157.5 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: 23.083 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

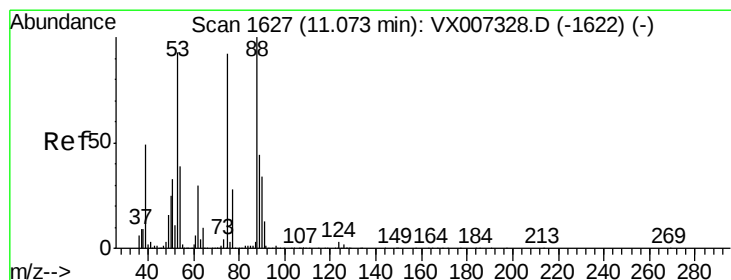
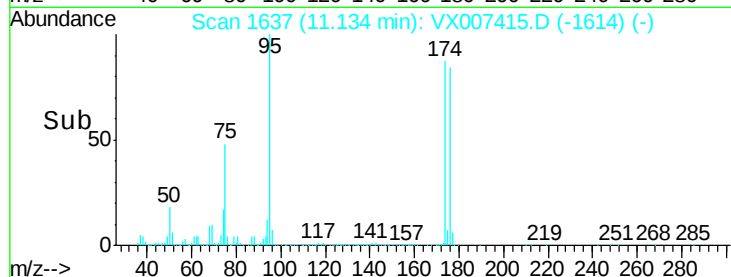
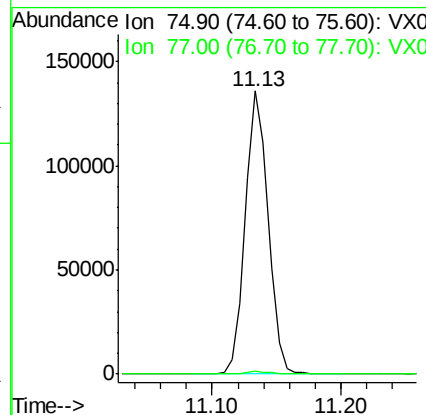
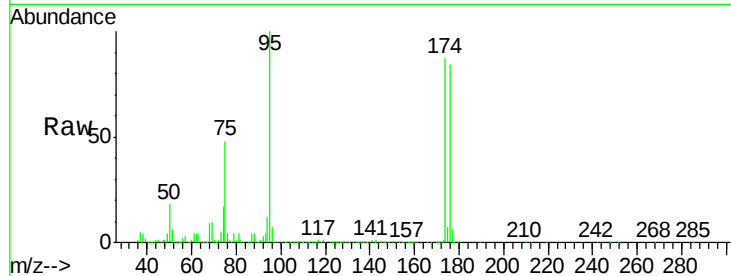
VX0207WBL01

Tot Ion: 75 Resp: 167017

Ion Ratio Lower Upper

75 100

77 1.1 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.543 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007415.D

Acq: 07 Feb 2019 10:43

Tgt Ion: 75 Resp: 167017

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 41.4 62.0#

