

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020419\
 Data File : VX007351.D
 Acq On : 04 Feb 2019 11:29
 Operator : JC/SP
 Sample : VX0204WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBL01

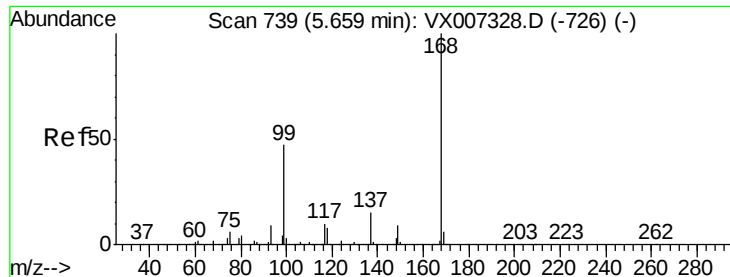
Quant Time: Feb 04 23:54:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	492445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	743791	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	695595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	334723	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	261220	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
35) Dibromofluoromethane	5.50	113	242052	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	8.71	98	888441	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	308336	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1244	Below Cal	#	75
13) Acrolein	2.30	56	349	0.688	ug/l #	50
15) Acrylonitrile	3.15	53	921	0.344	ug/l #	75
16) Acetone	2.44	43	1015	0.424	ug/l #	85
17) Carbon Disulfide	2.58	76	2714	2.332	ug/l #	65
18) Methyl Acetate	2.78	43	1219	0.786	ug/l #	1
20) Methylene Chloride	2.86	84	1714	Below Cal	#	54
36) 1,1-Dichloropropene	5.67	75	32129	4.814	ug/l #	48
38) Carbon Tetrachloride	5.66	117	44259	6.836	ug/l #	17
49) 1,4-Dioxane	7.76	88	85	7.591	ug/l #	1
71) Bromoform	10.83	173	92	4.048	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	148149	22.754	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	148149	68.612	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

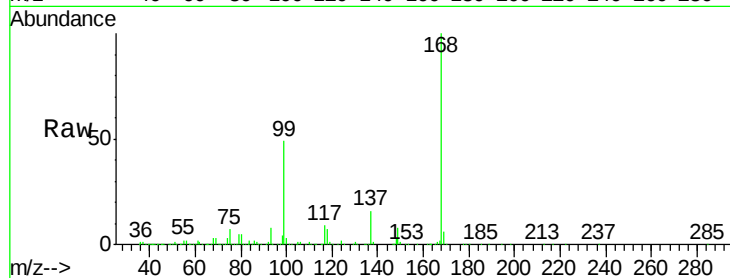
VX0204WBL01

Tot Ion:168 Resp: 492445

Ion Ratio Lower Upper

168 100

99 48.4 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

200000

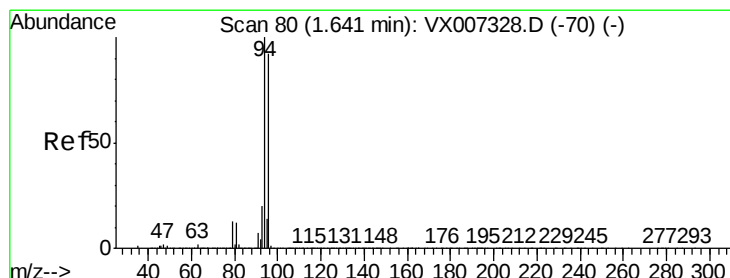
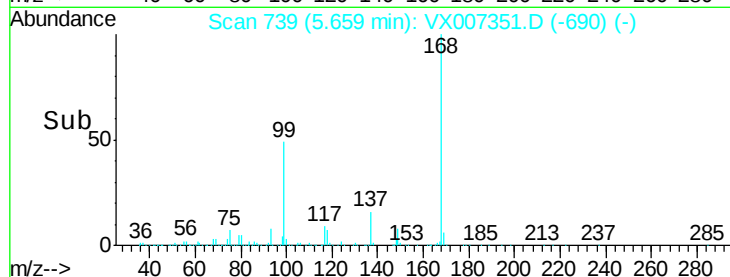
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007351.D

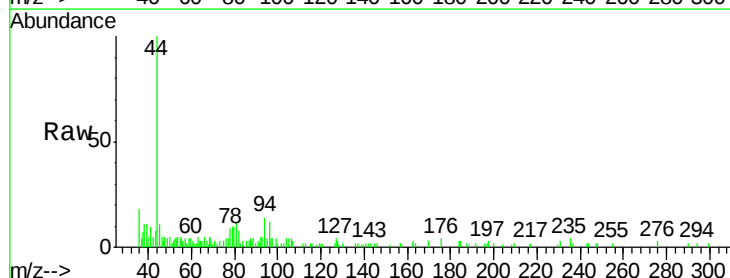
Acq: 04 Feb 2019 11:29

Tgt Ion: 94 Resp: 1244

Ion Ratio Lower Upper

94 100

96 68.1 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

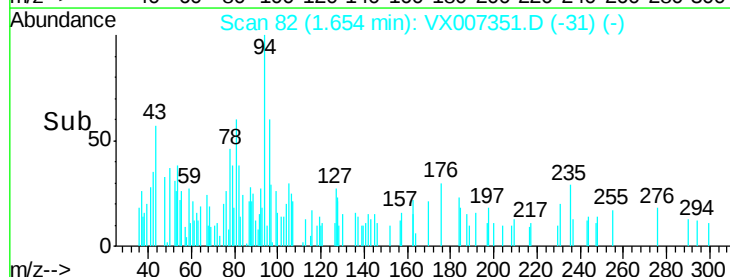
300

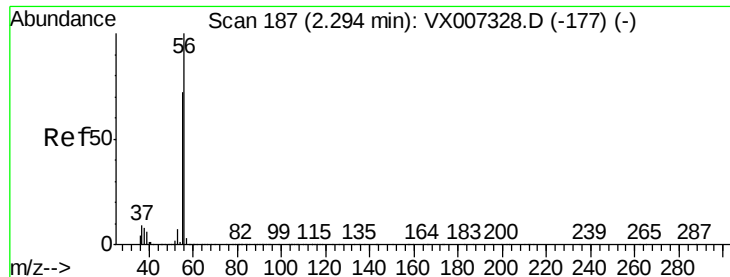
200

100

0

Time--> 1.60 1.65 1.70





#13

Acrolein

Concen: 0.688 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

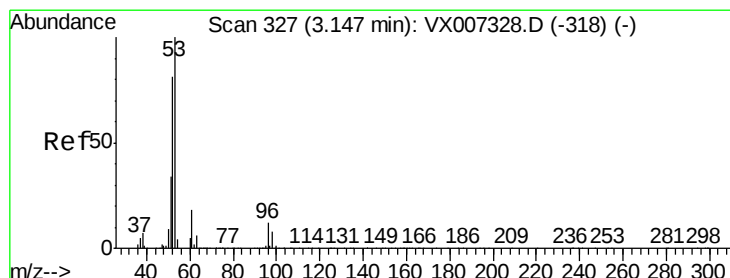
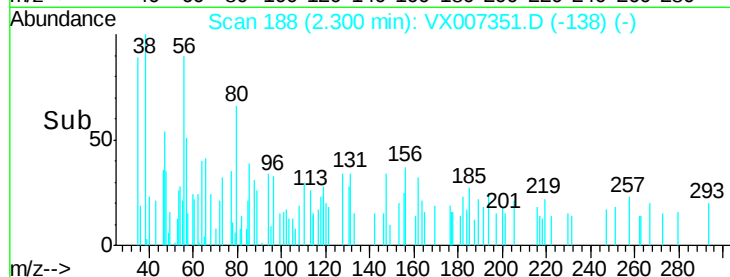
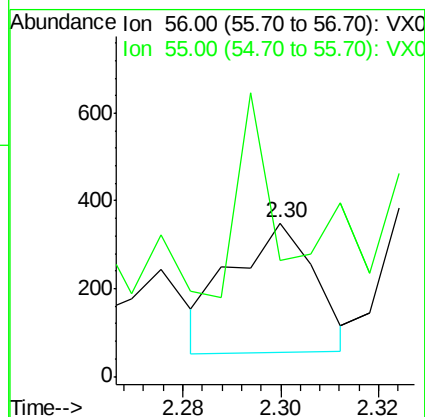
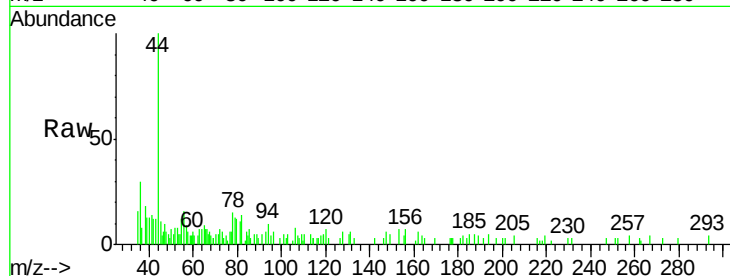
VX0204WBL01

Tot Ion: 56 Resp: 349

Ion Ratio Lower Upper

56 100

55 112.3 56.9 85.3#



#15

Acrylonitrile

Concen: 0.344 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

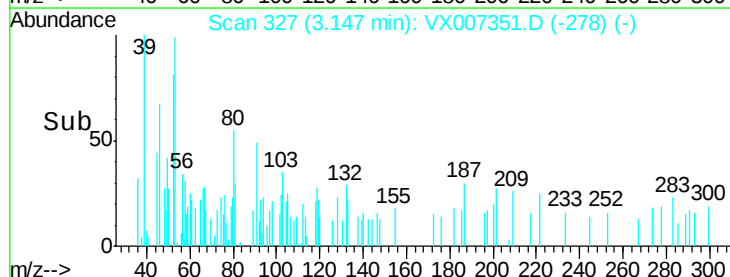
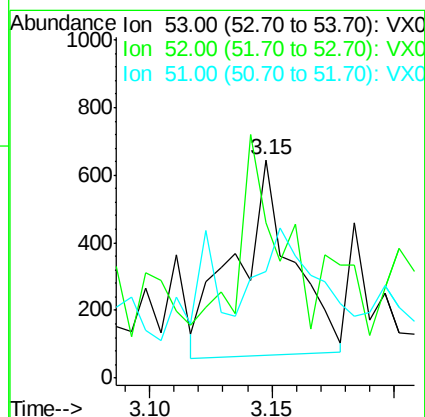
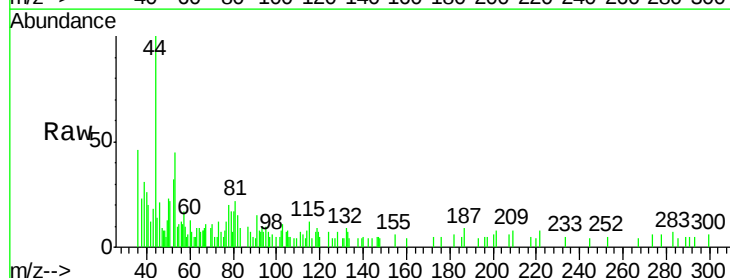
Tgt Ion: 53 Resp: 921

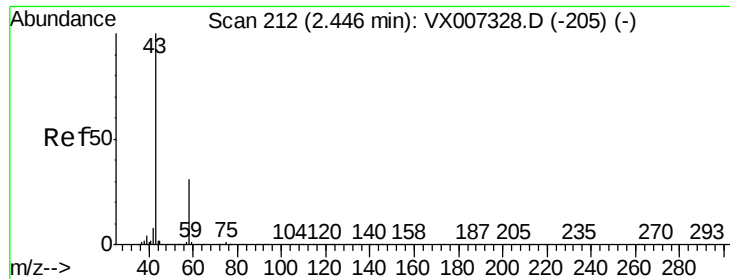
Ion Ratio Lower Upper

53 100

52 64.8 66.4 99.6#

51 57.7 28.4 42.6#





#16

Acetone

Concen: 0.424 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

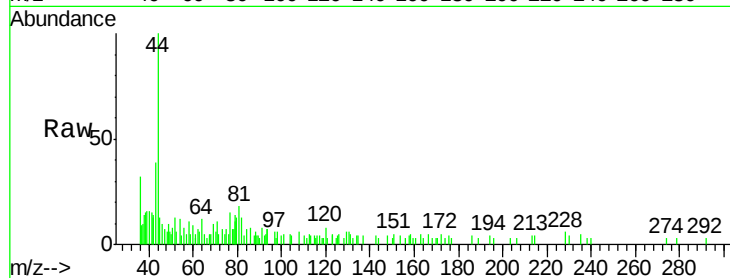
VX0204WBL01

Tot Ion: 43 Resp: 1015

Ion Ratio Lower Upper

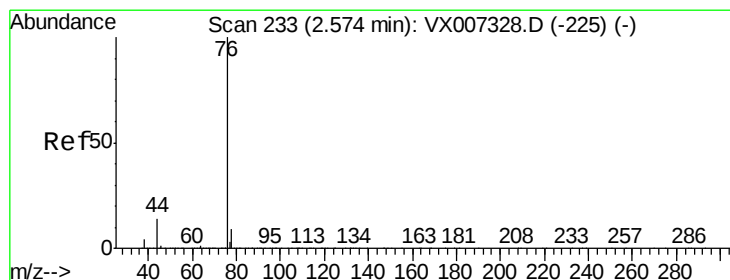
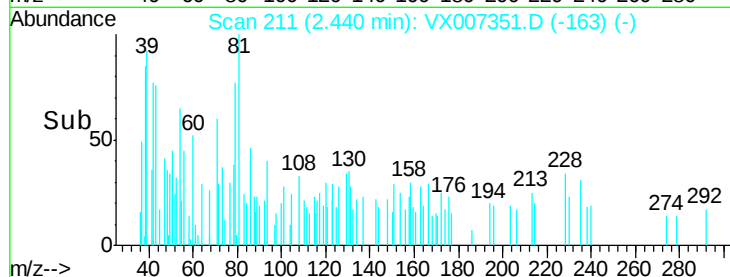
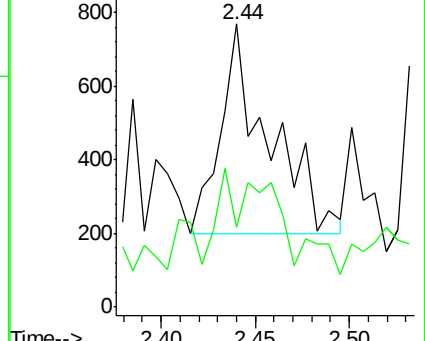
43 100

58 22.8 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 2.332 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX007351.D

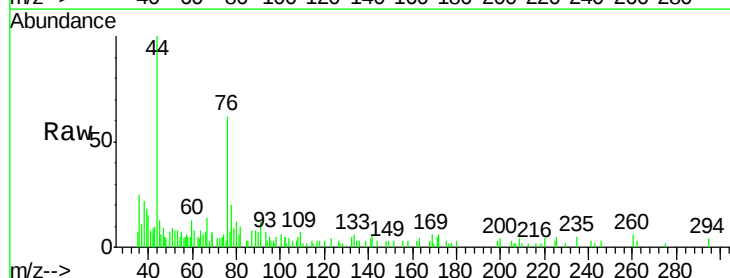
Acq: 04 Feb 2019 11:29

Tgt Ion: 76 Resp: 2714

Ion Ratio Lower Upper

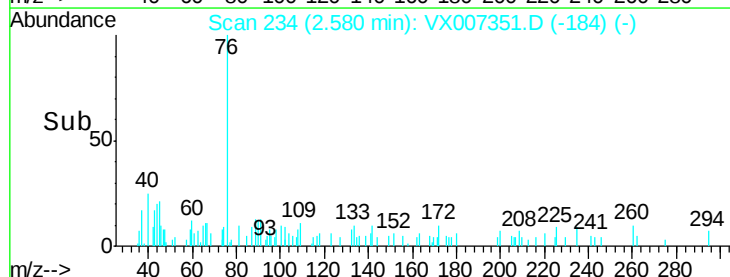
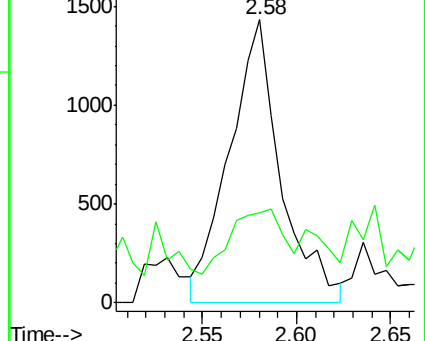
76 100

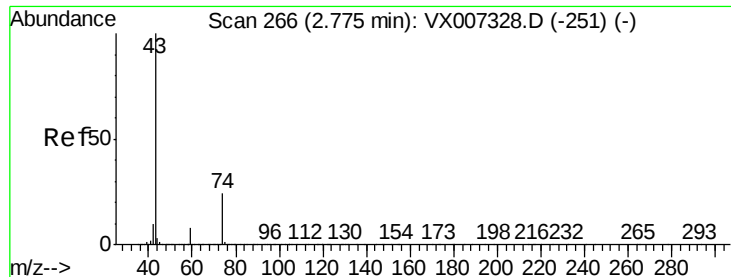
78 21.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

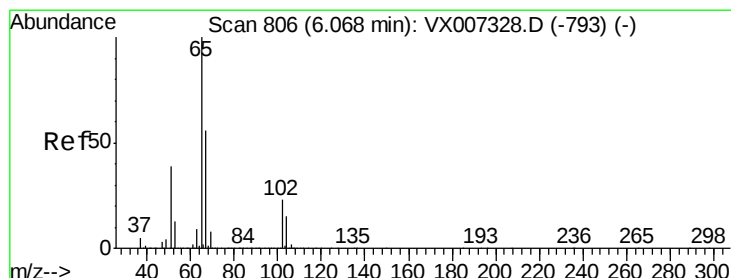
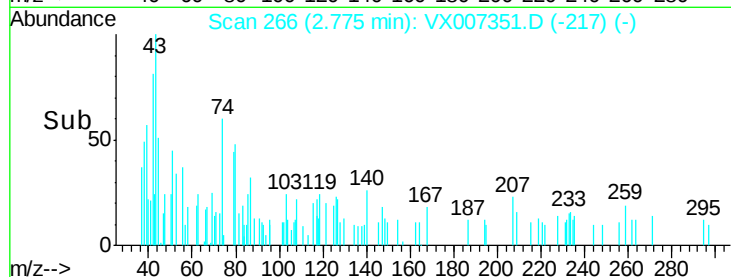
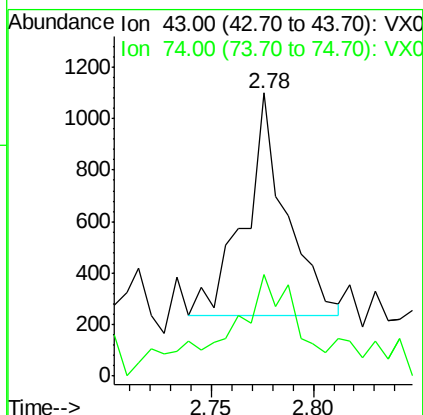
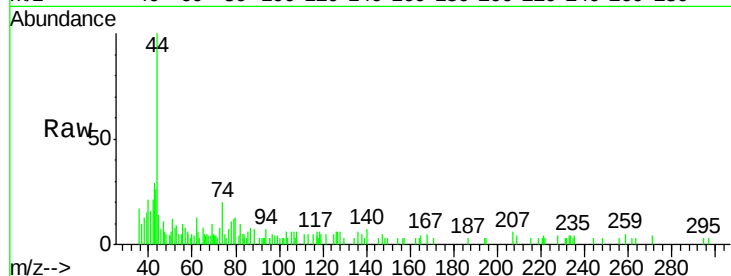




#18
Methvl Acetate
Concen: 0.786 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007351.D
Acq: 04 Feb 2019 11:29

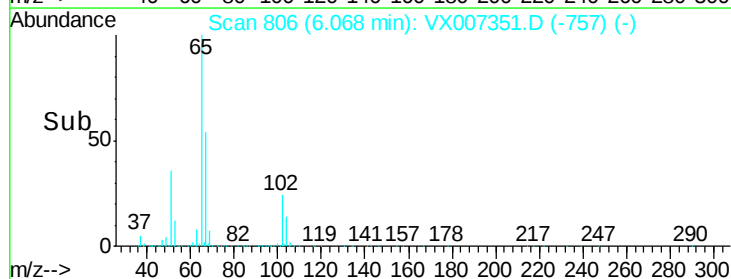
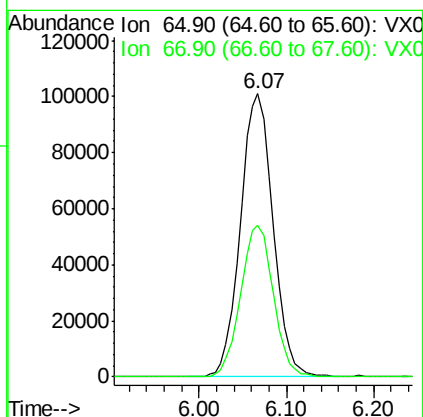
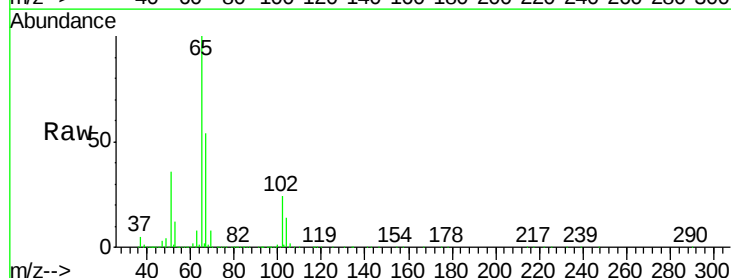
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBL01

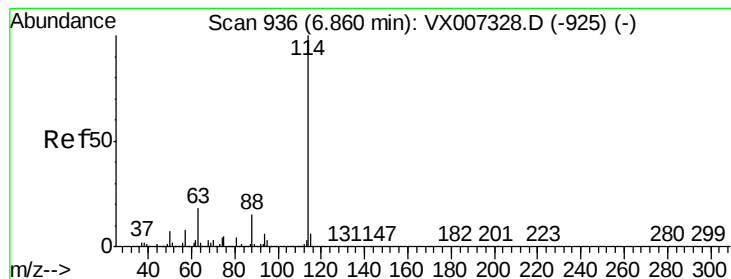
Tot Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
74 80.4 19.4 29.2#



#33
1,2-Dichloroethane-d4
Concen: 49.976 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007351.D
Acq: 04 Feb 2019 11:29

Tgt Ion: 65 Resp: 261220
Ion Ratio Lower Upper
65 100
67 53.6 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: VX007351.D

Acq: 04 Feb 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBL01

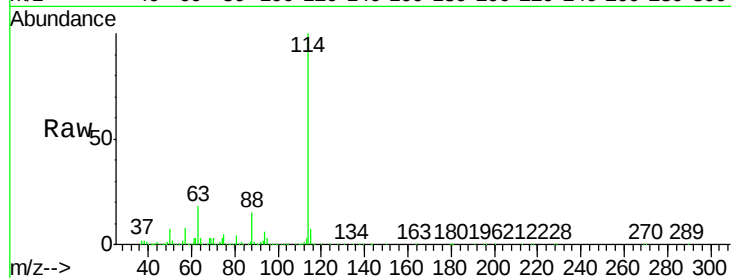
Tot Ion:114 Resp: 743791

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

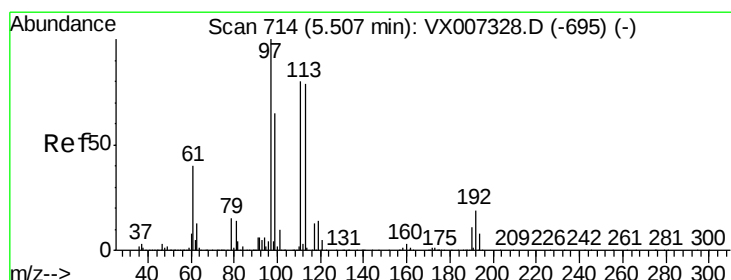
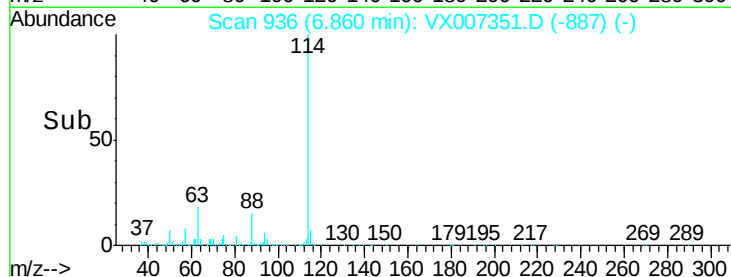
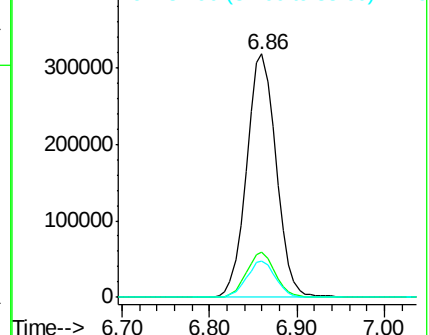
88 14.9 0.0 29.6



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: 50.015 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

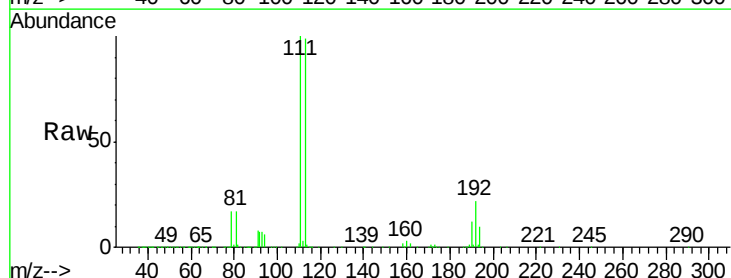
Tgt Ion:113 Resp: 242052

Ion Ratio Lower Upper

113 100

111 101.0 81.8 122.8

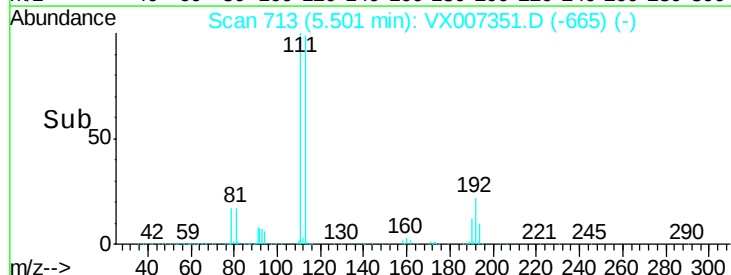
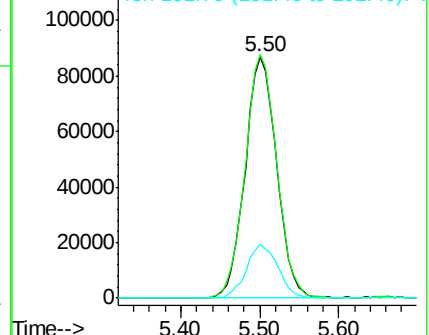
192 22.4 18.5 27.7

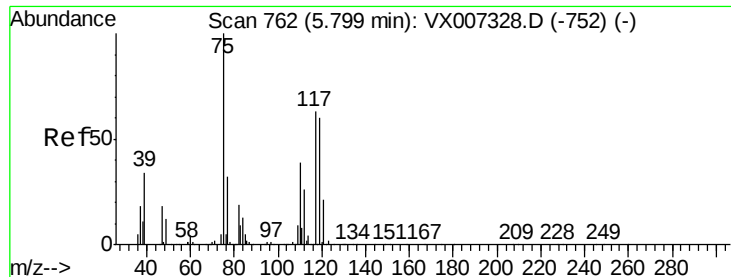


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.814 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBL01

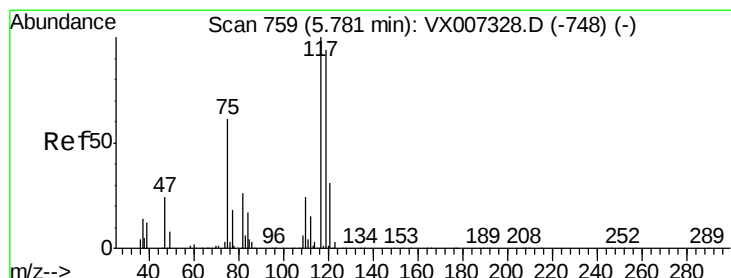
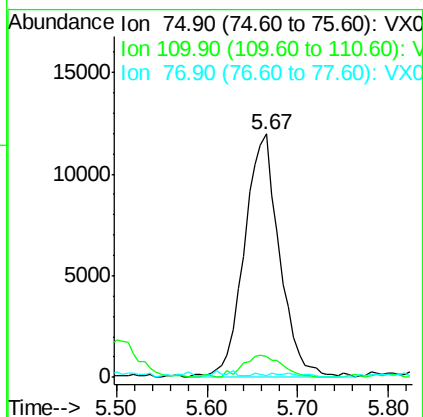
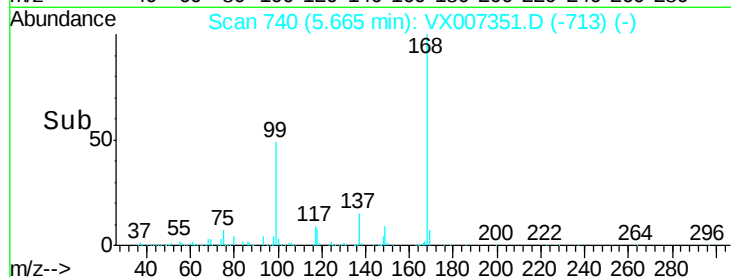
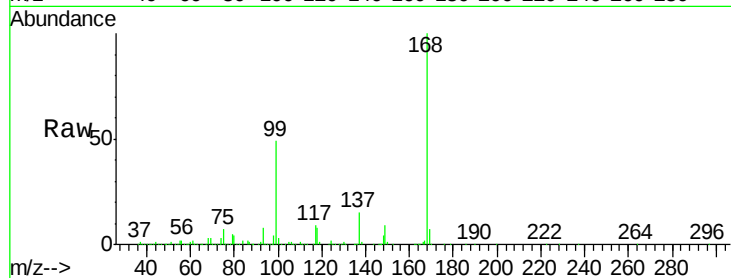
Tot Ion: 75 Resp: 32129

Ion Ratio Lower Upper

75 100

110 9.9 20.0 59.9#

77 0.5 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.836 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

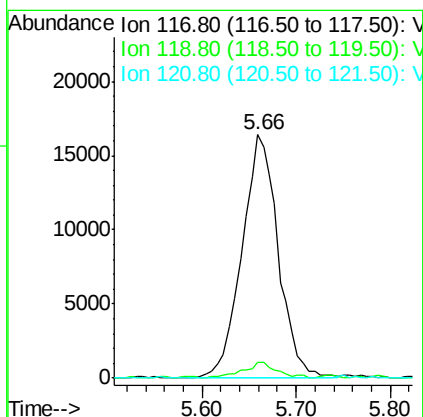
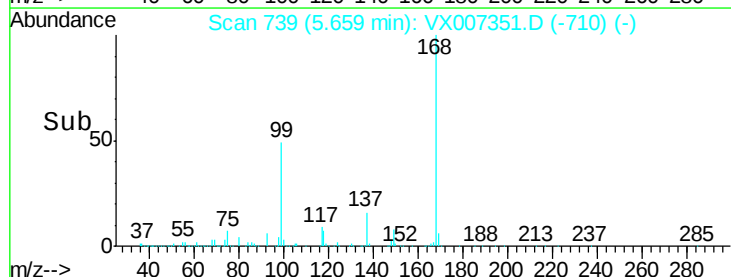
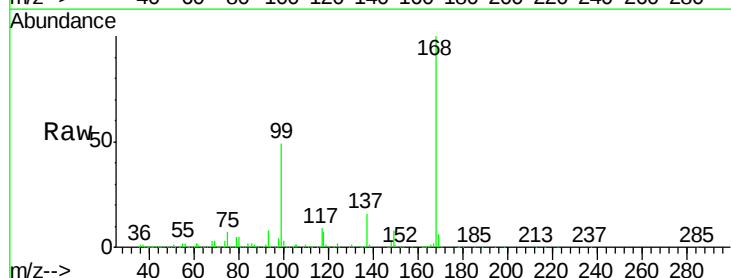
Tgt Ion: 117 Resp: 44259

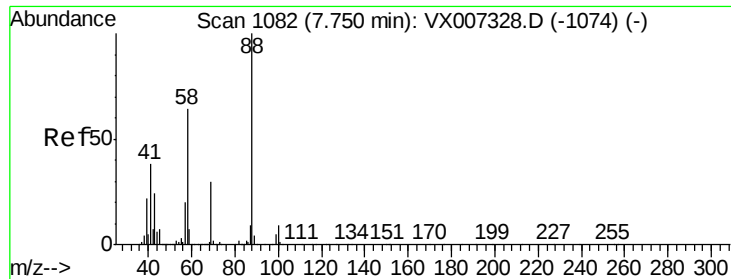
Ion Ratio Lower Upper

117 100

119 6.0 75.3 112.9#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 7.591 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

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VX0204WBL01

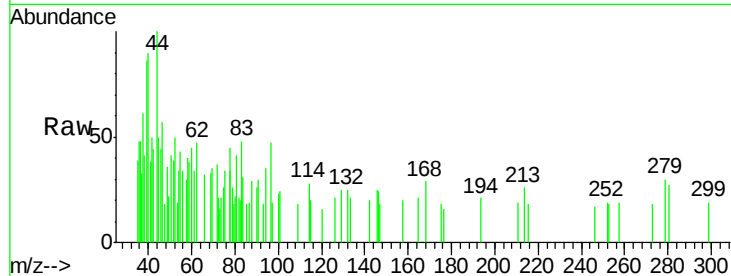
Tot Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

43 149.4 24.2 36.4#

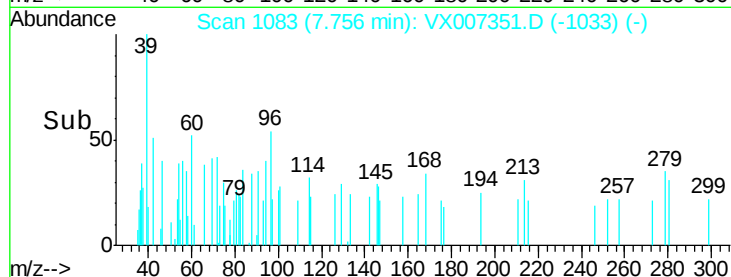
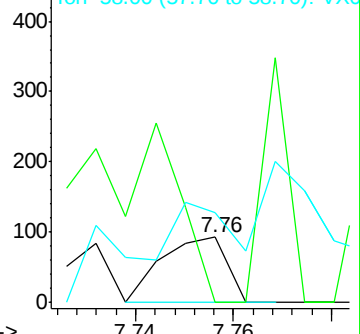
58 194.1 53.0 79.4#



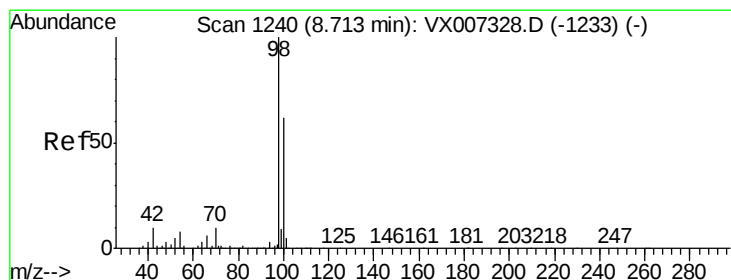
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 49.480 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007351.D

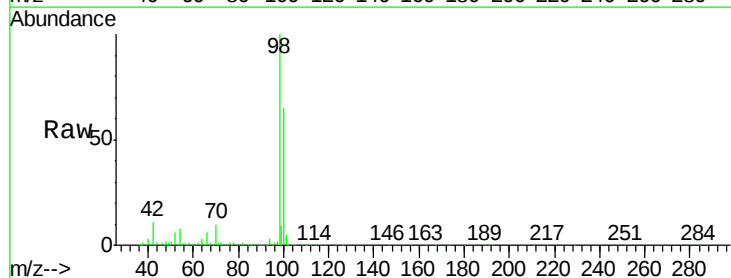
Acq: 04 Feb 2019 11:29

Tgt Ion: 98 Resp: 888441

Ion Ratio Lower Upper

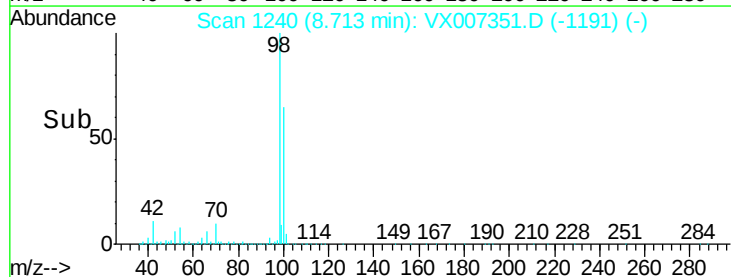
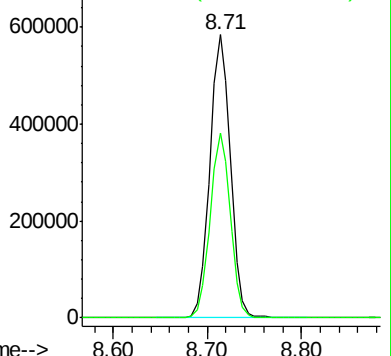
98 100

100 64.4 51.6 77.4

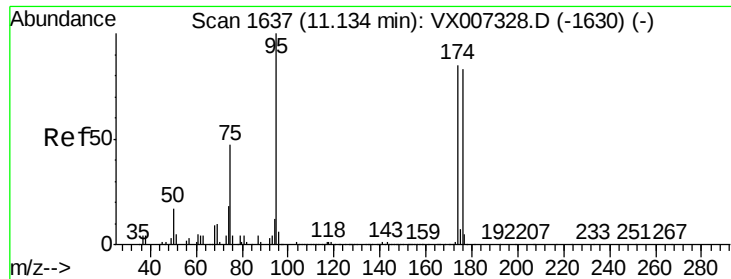


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 47.034 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBL01

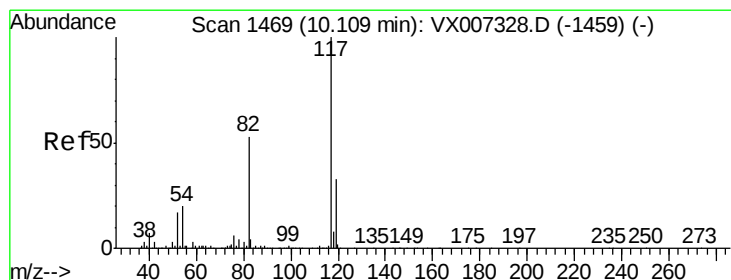
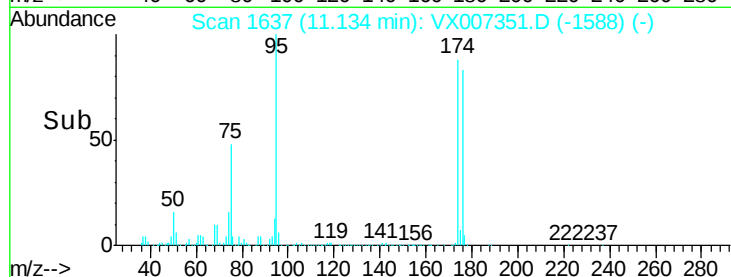
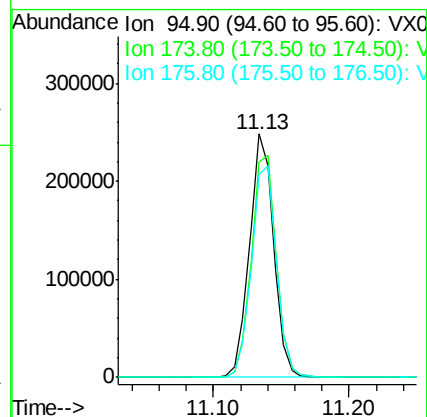
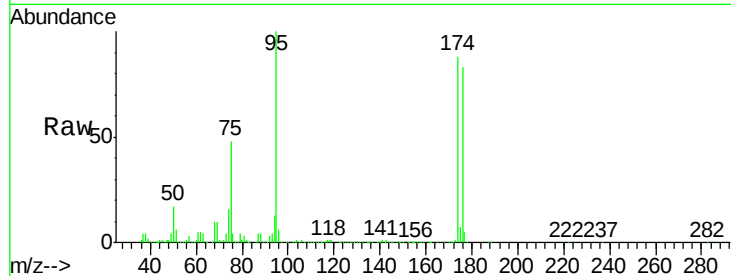
Tot Ion: 95 Resp: 308336

Ion Ratio Lower Upper

95 100

174 95.0 0.0 189.2

176 90.2 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: VX007351.D

Acq: 04 Feb 2019 11:29

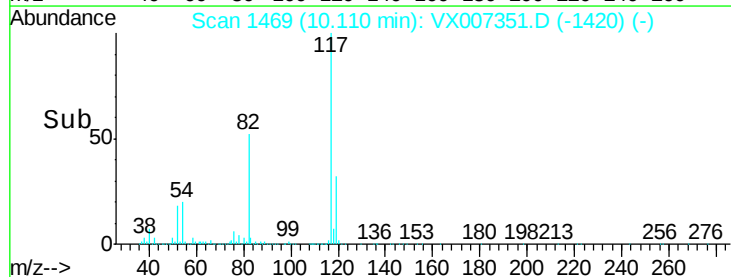
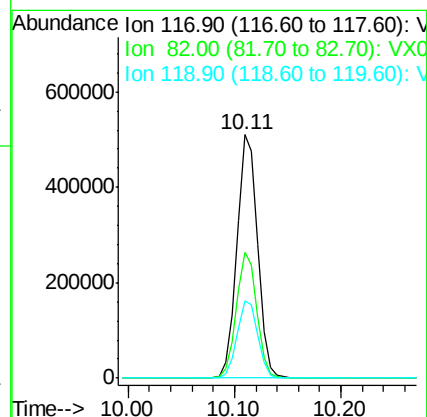
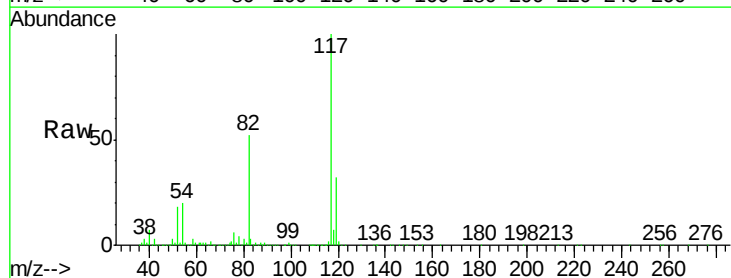
Tgt Ion: 117 Resp: 695595

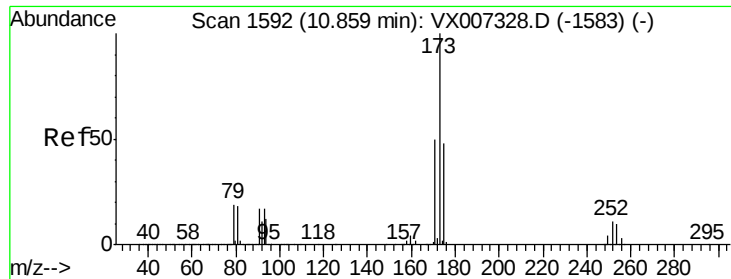
Ion Ratio Lower Upper

117 100

82 51.8 42.1 63.1

119 32.0 26.5 39.7





#71

Bromoform

Concen: 4.048 ug/l

RT: 10.83 min Scan# 1588

Delta R.T. -0.02 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBL01

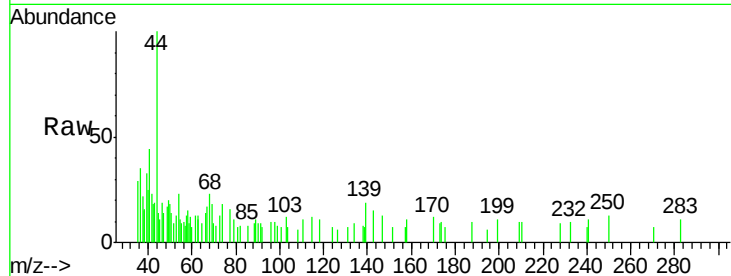
Tot Ion:173 Resp: 92

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

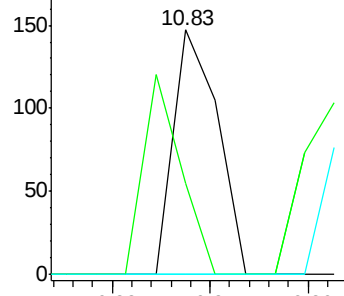
254 0.0 0.2 0.2#



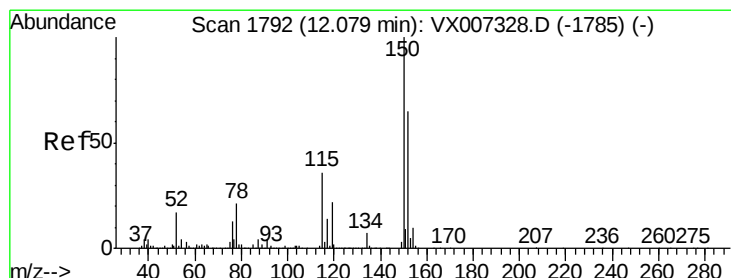
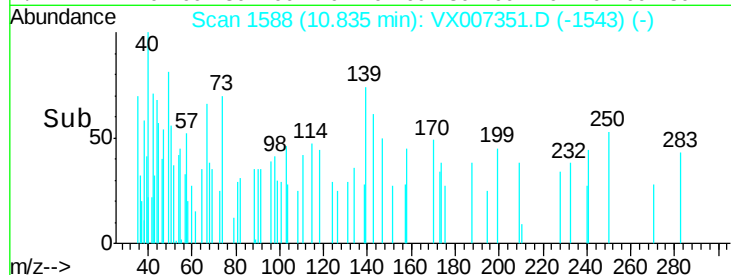
Abundance Ion 172.70 (172.40 to 173.40): V

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: VX007351.D

Acq: 04 Feb 2019 11:29

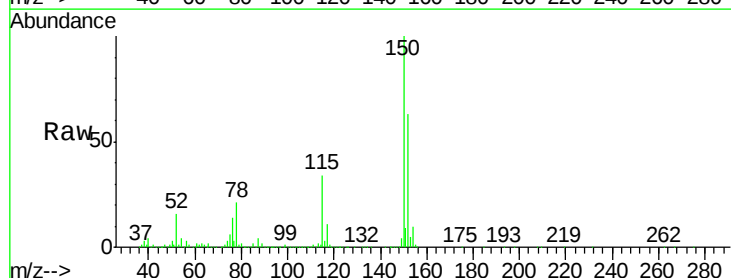
Tgt Ion:152 Resp: 334723

Ion Ratio Lower Upper

152 100

115 54.4 38.0 114.0

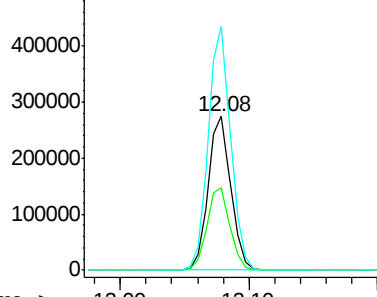
150 156.7 0.0 346.4



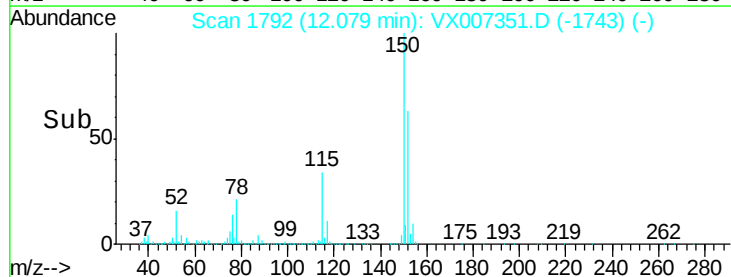
Abundance Ion 151.90 (151.60 to 152.60): V

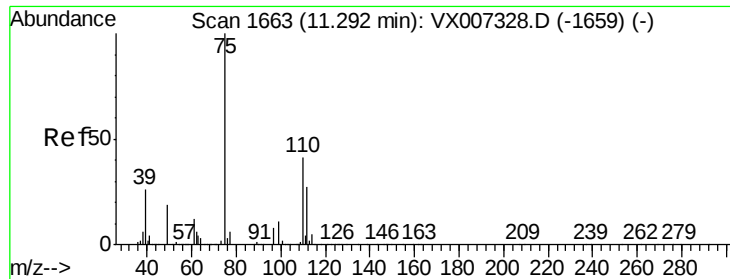
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 22.754 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

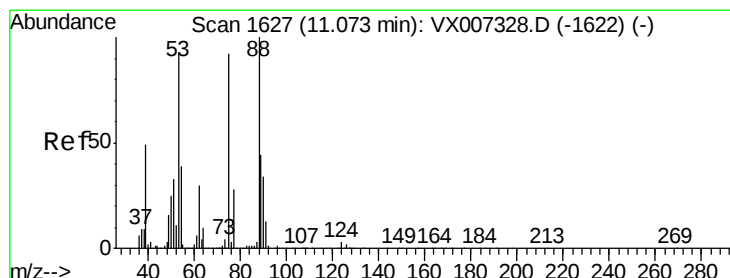
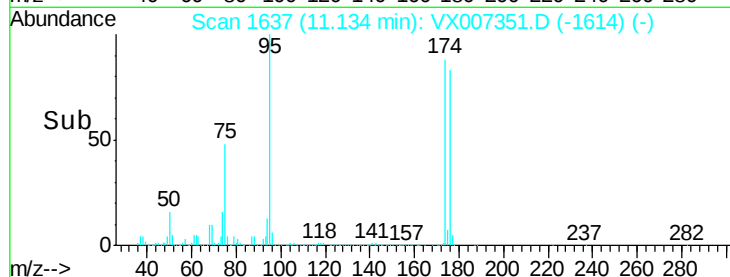
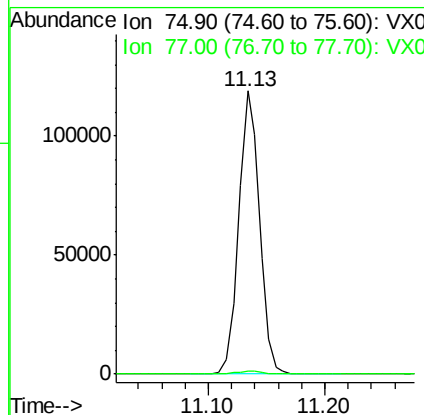
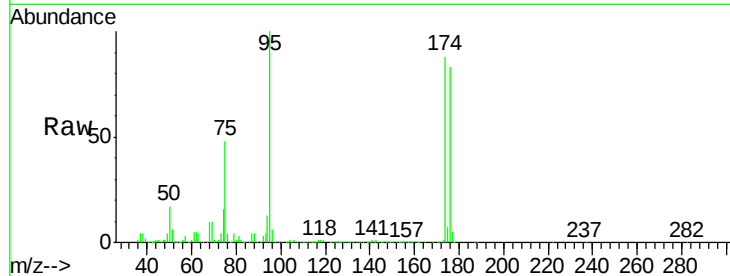
VX0204WBL01

Tot Ion: 75 Resp: 148149

Ion Ratio Lower Upper

75 100

77 1.4 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.612 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007351.D

Acq: 04 Feb 2019 11:29

Tgt Ion: 75 Resp: 148149

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.3 41.4 62.0#

