

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020519\
 Data File : VX007375.D
 Acq On : 05 Feb 2019 14:31
 Operator : JC/SP
 Sample : K1380-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190204

Quant Time: Feb 06 00:17:27 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	486210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	752321	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	710391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	341838	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	265333	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
35) Dibromofluoromethane	5.50	113	237777	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	8.71	98	923131	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.13	95	318770	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	

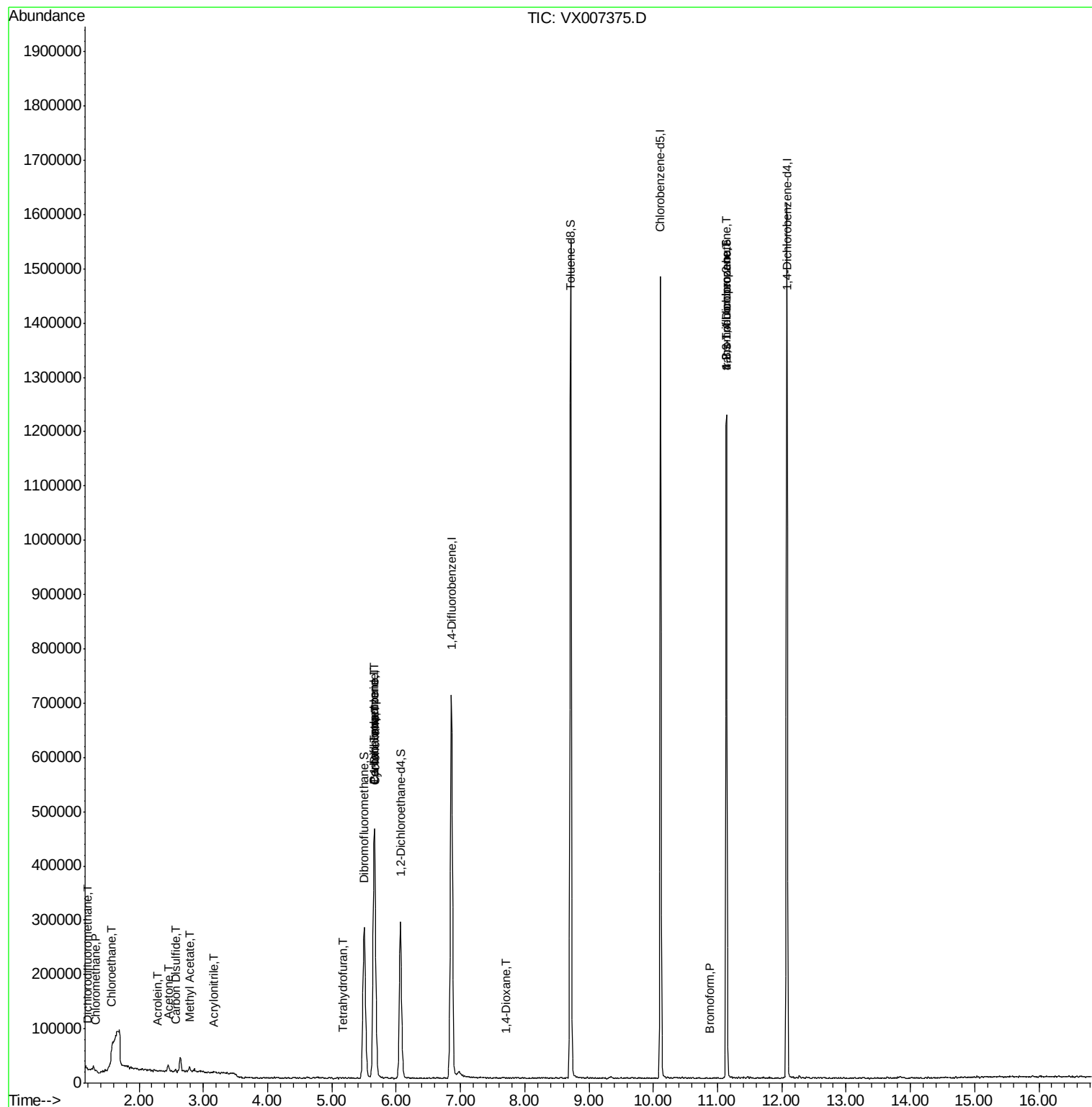
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	181	0.208	ug/l	84
3) Chloromethane	1.33	50	1132	0.207	ug/l #	53
5) Bromomethane	1.64	94	2180	Below Cal	#	74
6) Chloroethane	1.56	64	33554	9.654	ug/l #	52
13) Acrolein	2.29	56	182	0.363	ug/l #	14
15) Acrylonitrile	3.16	53	920	0.348	ug/l #	65
16) Acetone	2.45	43	14112	5.970	ug/l	97
17) Carbon Disulfide	2.57	76	3648	2.409	ug/l #	84
18) Methyl Acetate	2.78	43	10669	2.305	ug/l	92
29) Tetrahydrofuran	5.16	42	1297	0.613	ug/l #	54
31) Cyclohexane	5.67	56	8372	1.167	ug/l #	23
36) 1,1-Dichloropropene	5.66	75	31819	4.714	ug/l #	39
38) Carbon Tetrachloride	5.66	117	43758	6.682	ug/l #	16
49) 1,4-Dioxane	7.71	88	243	8.893	ug/l #	28
71) Bromoform	10.88	173	94	4.048	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	151546	22.792	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	151546	68.718	ug/l #	9

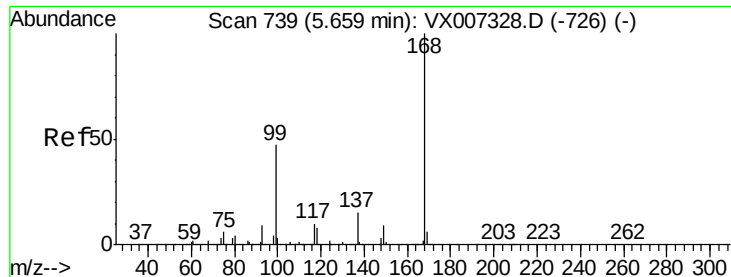
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

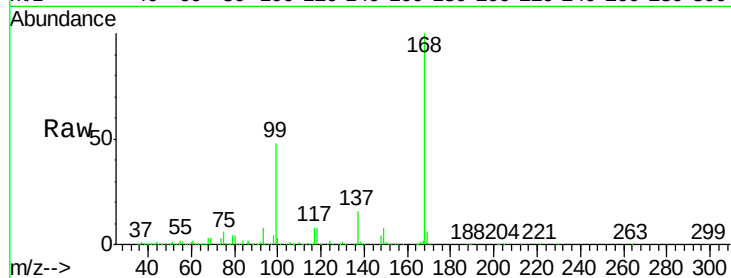
TB-01-190204

Tot Ion:168 Resp: 486210

Ion Ratio Lower Upper

168 100

99 47.6 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

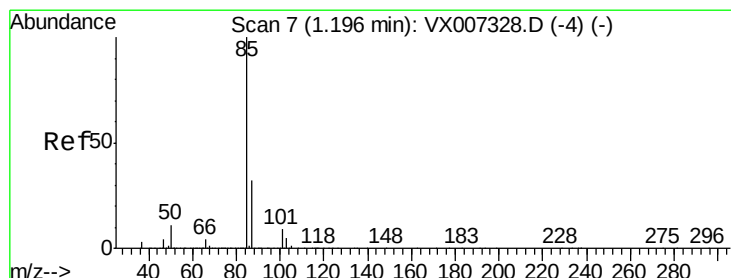
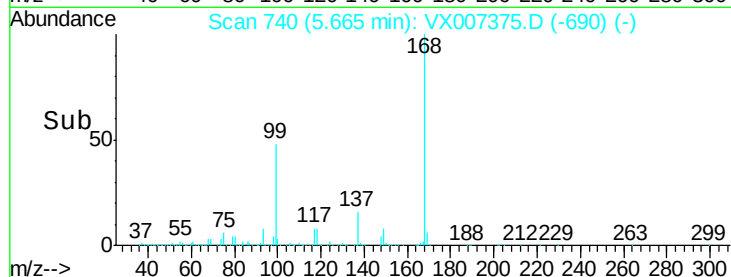
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.208 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007375.D

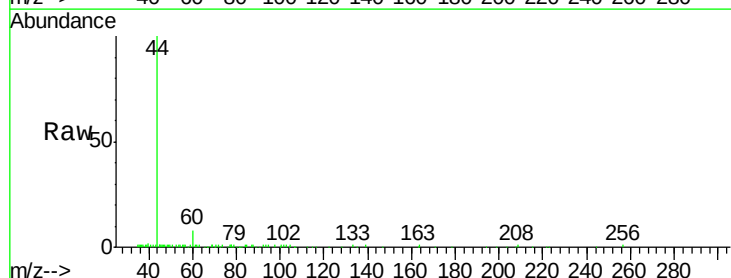
Acq: 05 Feb 2019 14:31

Tgt Ion: 85 Resp: 181

Ion Ratio Lower Upper

85 100

87 22.6 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

250

200

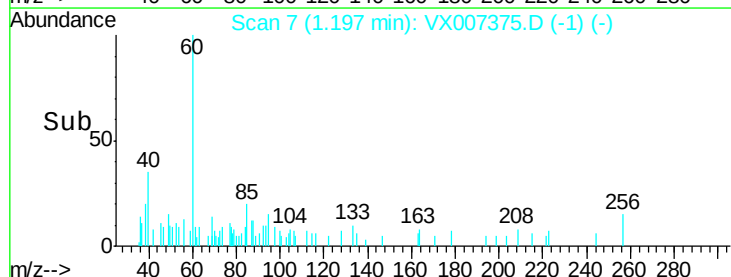
150

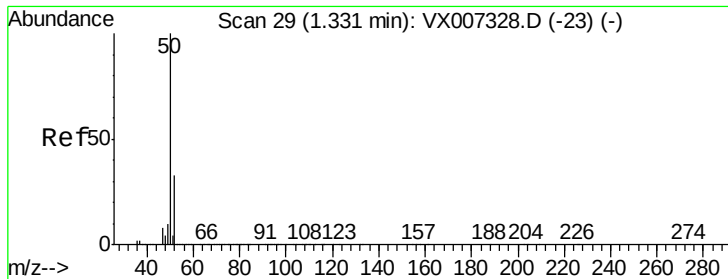
100

50

0

Time-->





#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

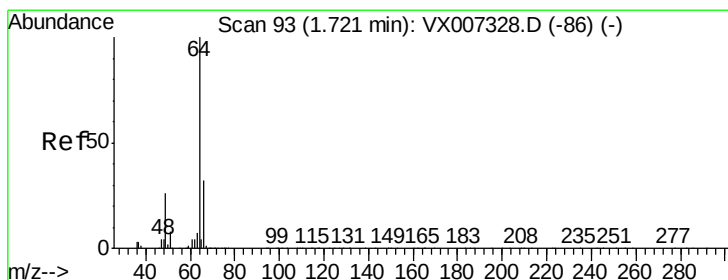
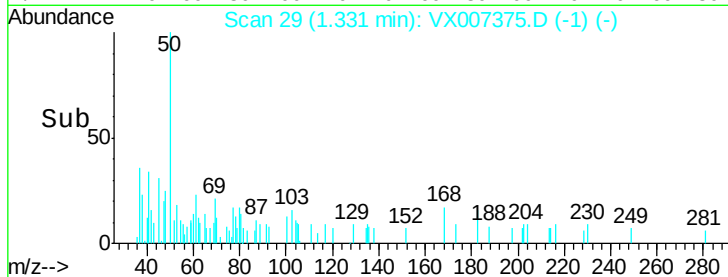
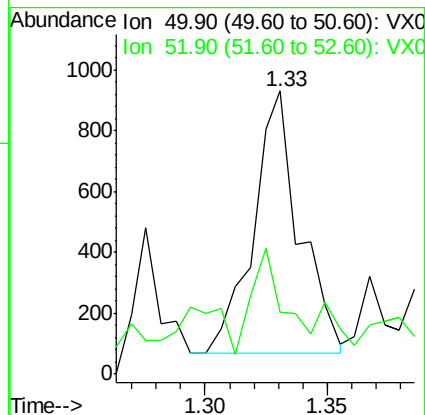
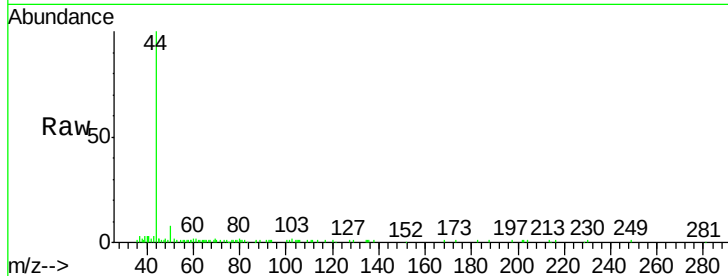
TB-01-190204

Tot Ion: 50 Resp: 1132

Ion Ratio Lower Upper

50 100

52 6.3 26.1 39.1#



#6

Chloroethane

Concen: 9.654 ug/l

RT: 1.56 min Scan# 67

Delta R.T. -0.16 min

Lab File: VX007375.D

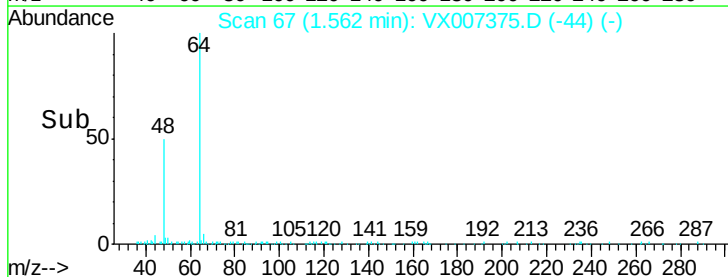
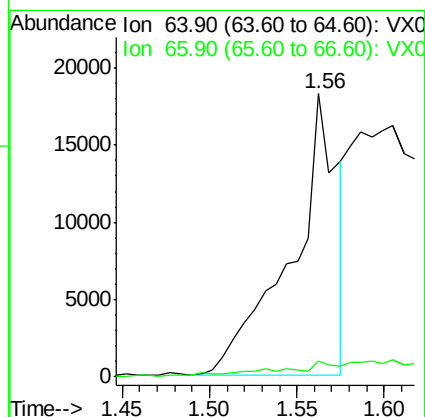
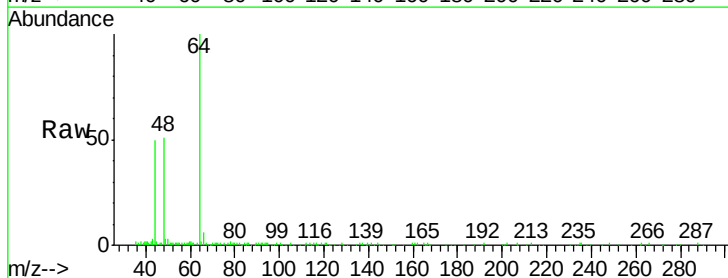
Acq: 05 Feb 2019 14:31

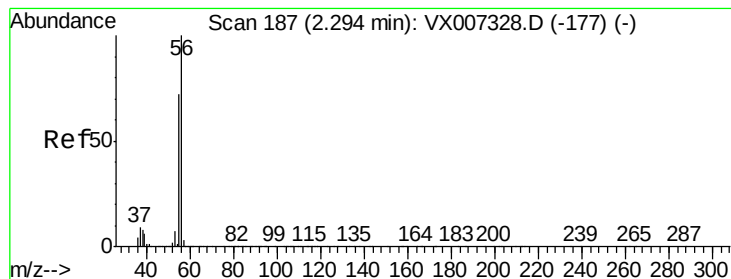
Tgt Ion: 64 Resp: 33554

Ion Ratio Lower Upper

64 100

66 5.1 25.5 38.3#





#13

Acrolein

Concen: 0.363 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

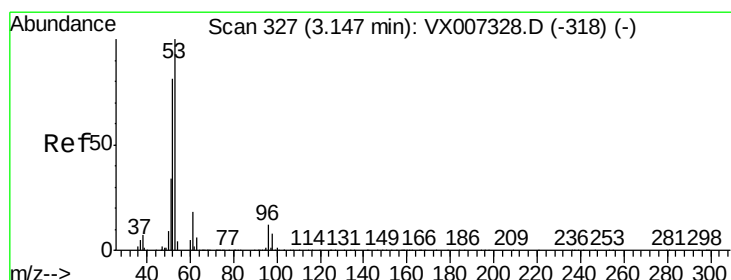
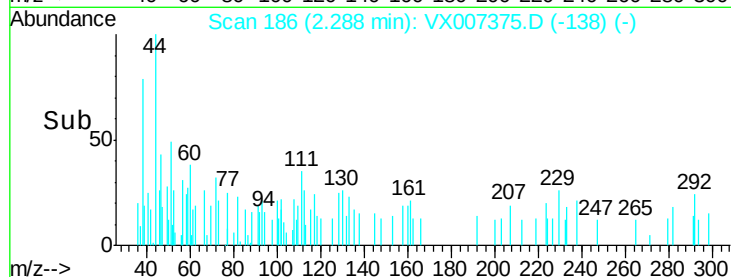
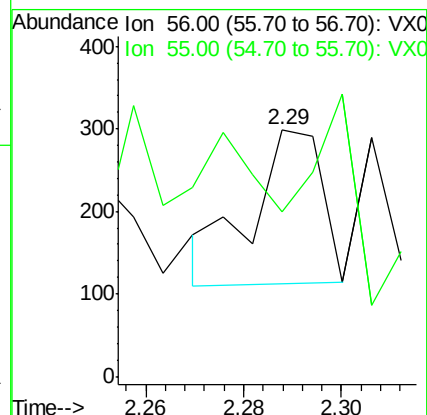
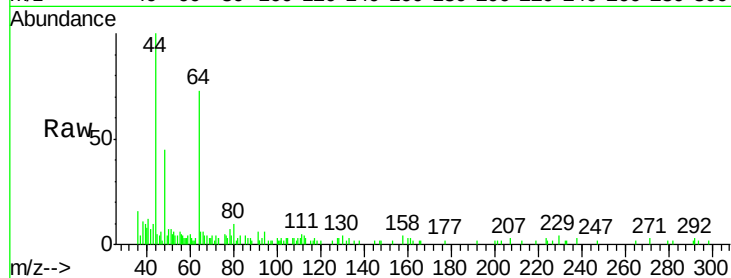
TB-01-190204

Tot Ion: 56 Resp: 182

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#15

Acrylonitrile

Concen: 0.348 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

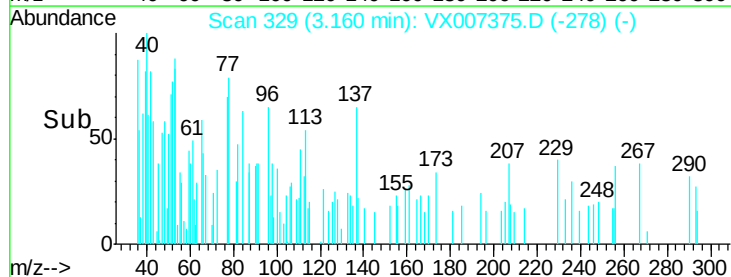
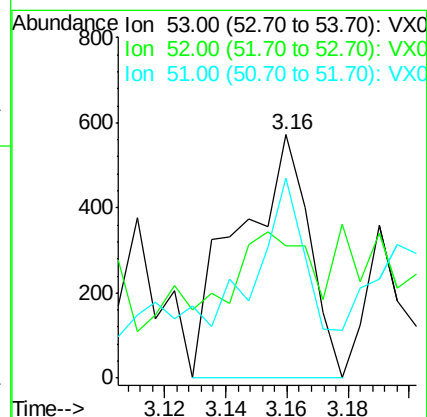
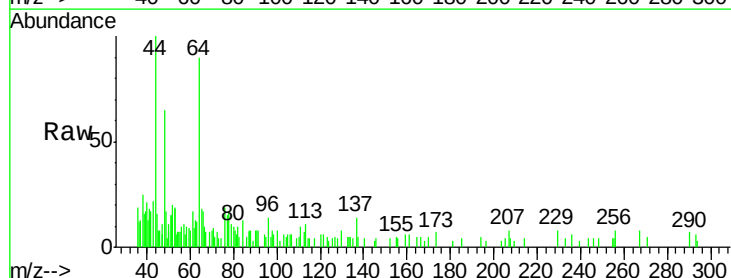
Tgt Ion: 53 Resp: 920

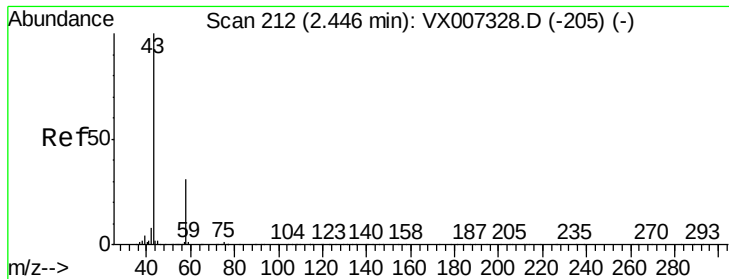
Ion Ratio Lower Upper

53 100

52 52.5 66.4 99.6#

51 57.4 28.4 42.6#





#16

Acetone

Concen: 5.970 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

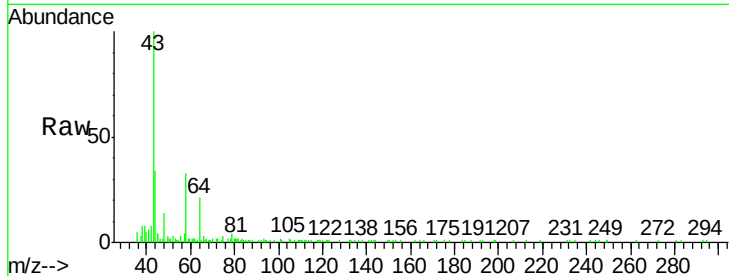
TB-01-190204

Tot Ion: 43 Resp: 14112

Ion Ratio Lower Upper

43 100

58 32.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

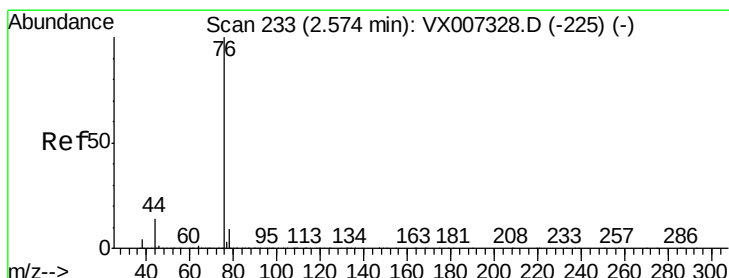
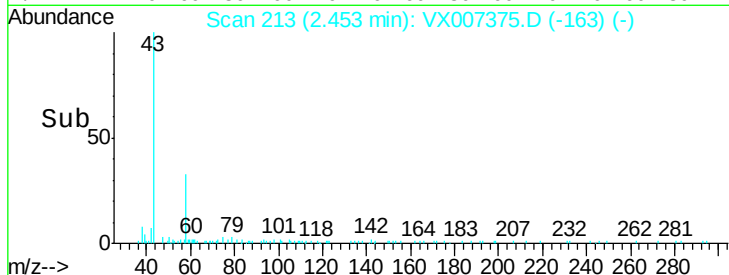
6000

4000

2000

0

Time-->



#17

Carbon Disulfide

Concen: 2.409 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007375.D

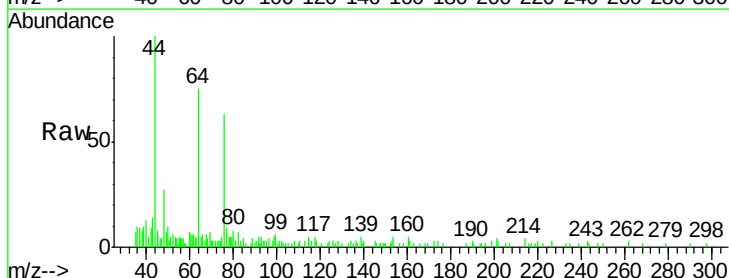
Acq: 05 Feb 2019 14:31

Tgt Ion: 76 Resp: 3648

Ion Ratio Lower Upper

76 100

78 3.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

2000

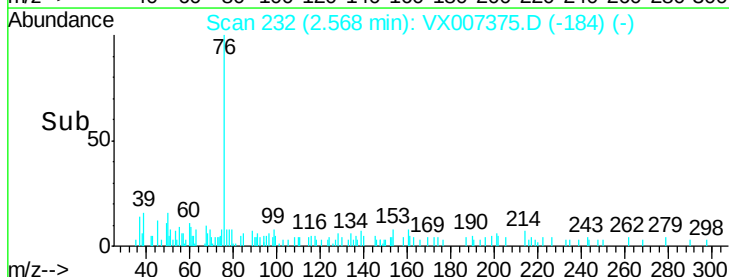
1500

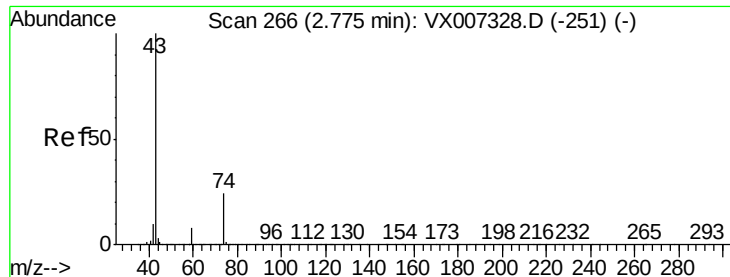
1000

500

0

Time-->

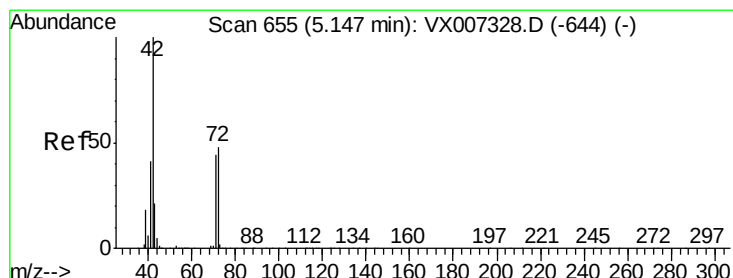
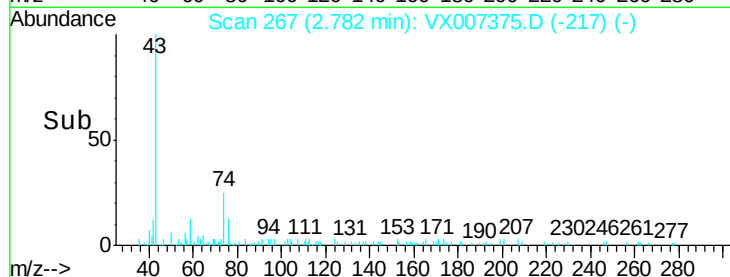
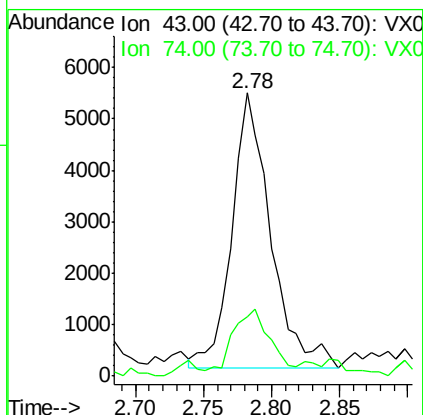
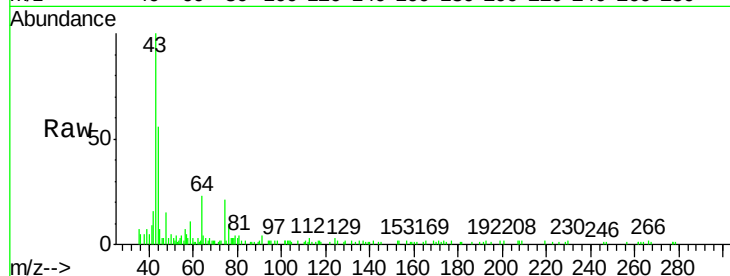




#18
Methyl Acetate
Concen: 2.305 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007375.D
Acq: 05 Feb 2019 14:31

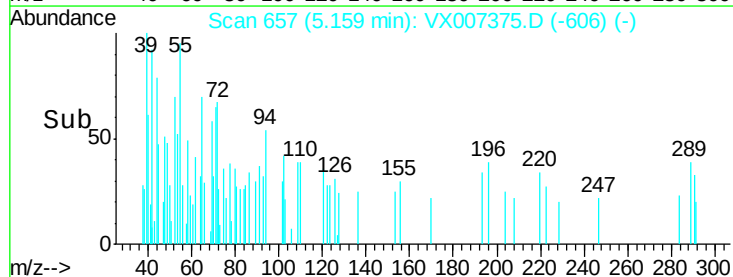
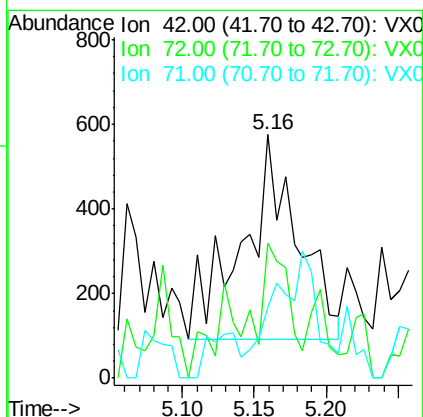
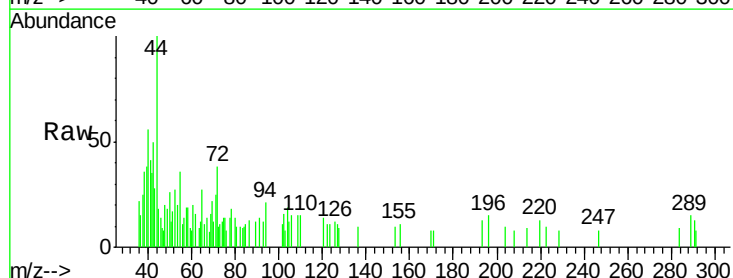
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190204

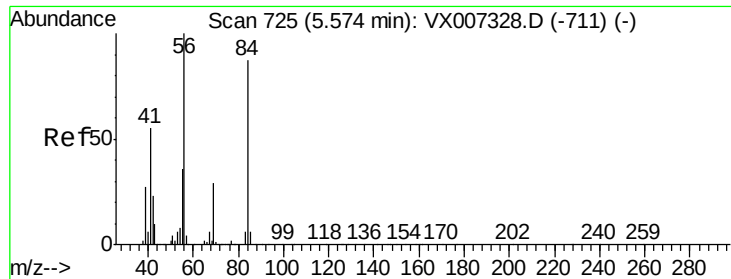
Tot Ion: 43 Resp: 10669
Ion Ratio Lower Upper
43 100
74 20.2 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.613 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007375.D
Acq: 05 Feb 2019 14:31

Tgt Ion: 42 Resp: 1297
Ion Ratio Lower Upper
42 100
72 29.8 37.6 56.4#
71 0.0 34.6 51.8#

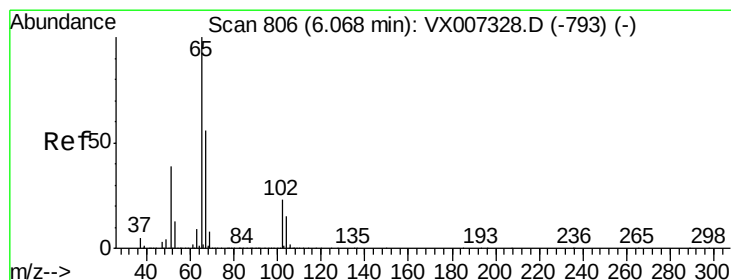
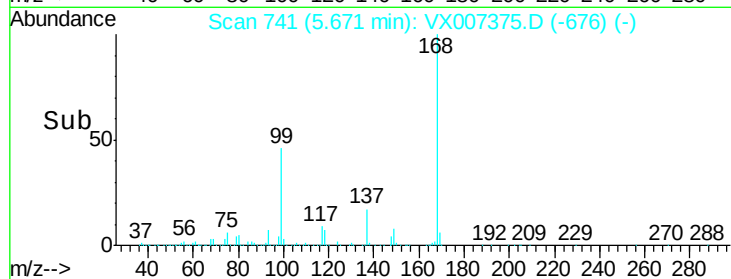
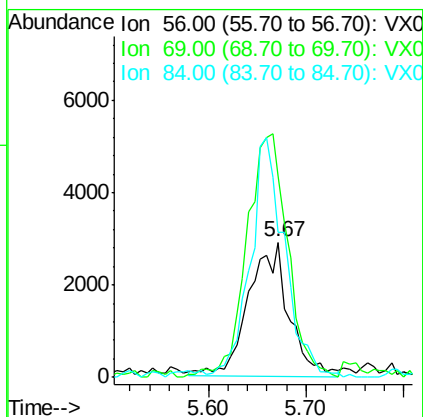
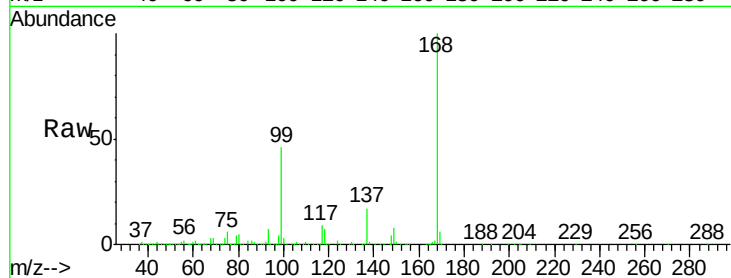




#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX007375.D
Acq: 05 Feb 2019 14:31

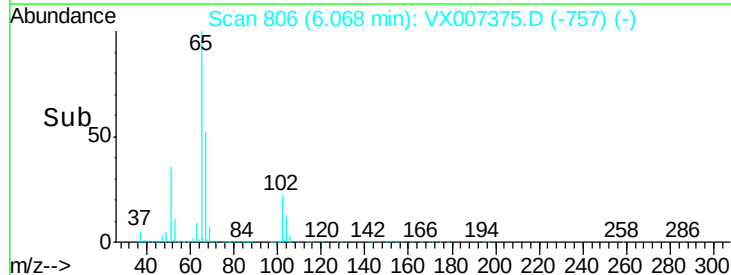
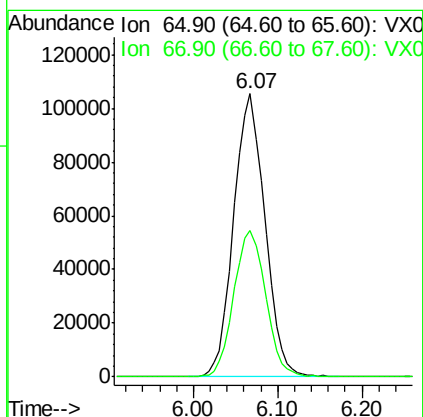
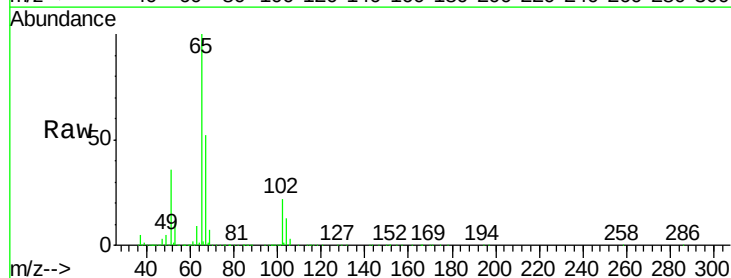
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190204

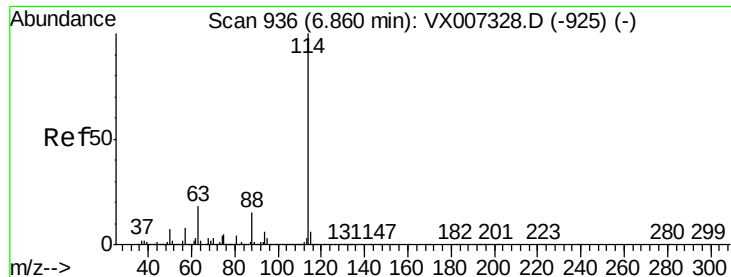
Tot Ion: 56 Resp: 8372
Ion Ratio Lower Upper
56 100
69 156.0 23.0 34.6#
84 108.7 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 51.414 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007375.D
Acq: 05 Feb 2019 14:31

Tgt Ion: 65 Resp: 265333
Ion Ratio Lower Upper
65 100
67 53.0 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: VX007375.D

Acq: 05 Feb 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190204

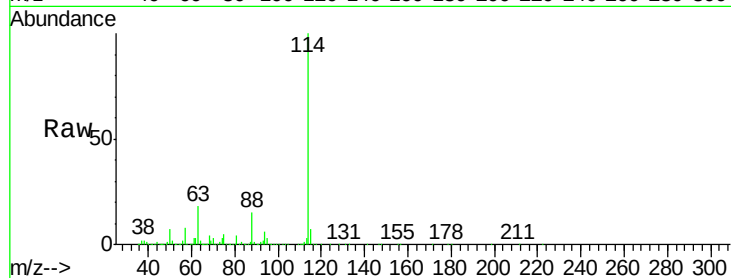
Tot Ion:114 Resp: 752321

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

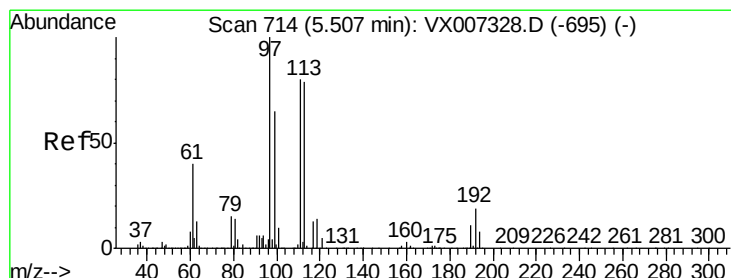
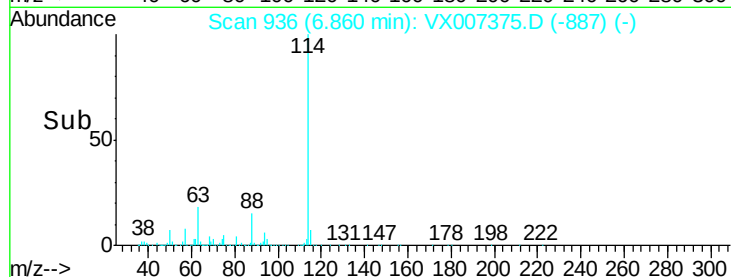
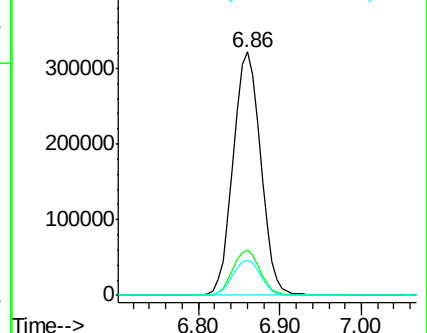
88 14.6 0.0 29.6



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: 48.575 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

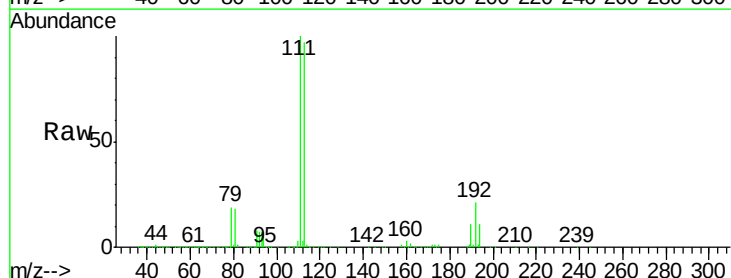
Tgt Ion:113 Resp: 237777

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

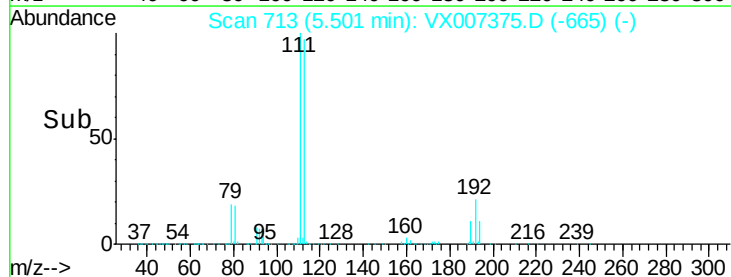
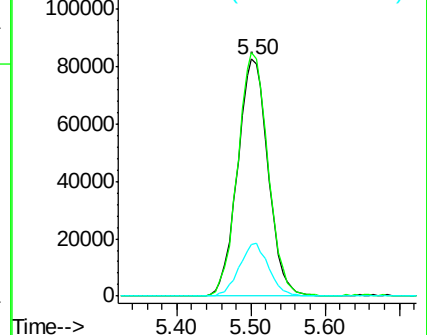
192 21.7 18.5 27.7

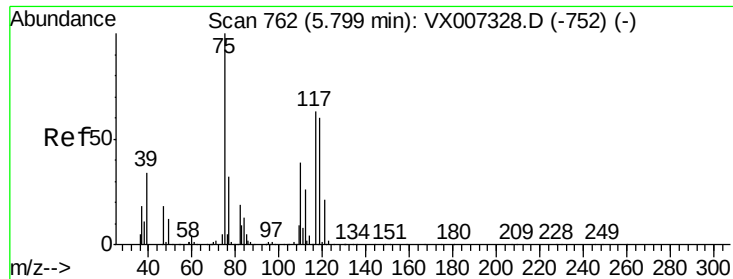


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.714 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190204

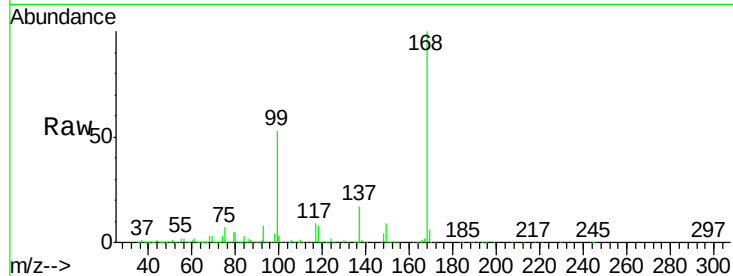
Tot Ion: 75 Resp: 31819

Ion Ratio Lower Upper

75 100

110 0.0 20.0 59.9#

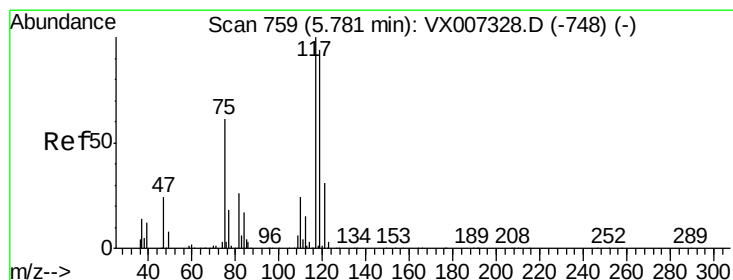
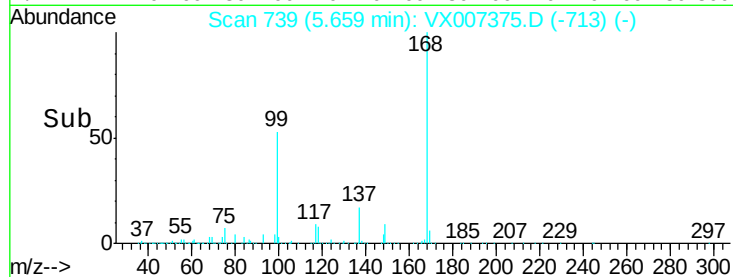
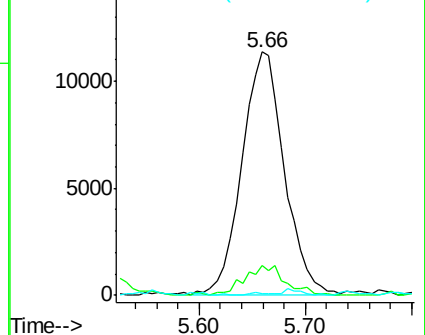
77 0.5 24.7 37.1#



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: 6.682 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

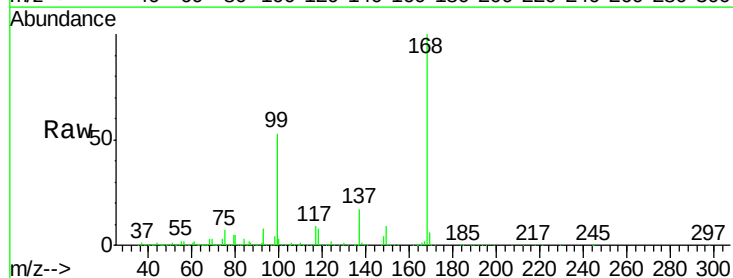
Tgt Ion: 117 Resp: 43758

Ion Ratio Lower Upper

117 100

119 4.3 75.3 112.9#

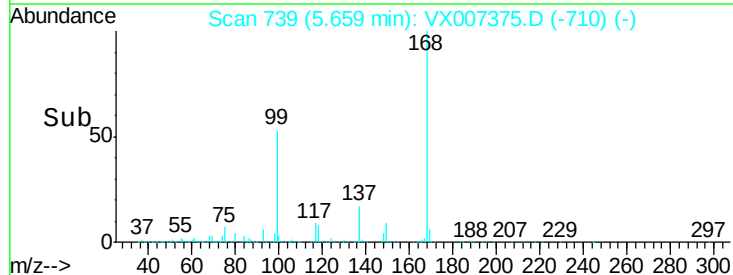
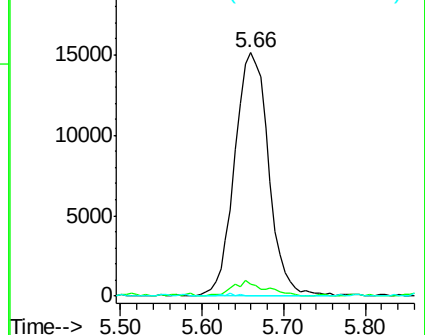
121 0.0 25.0 37.4#

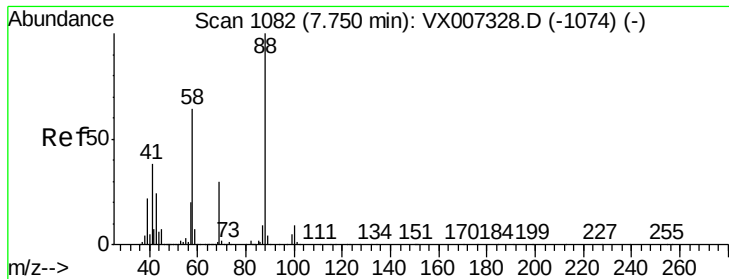


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 8.893 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.04 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190204

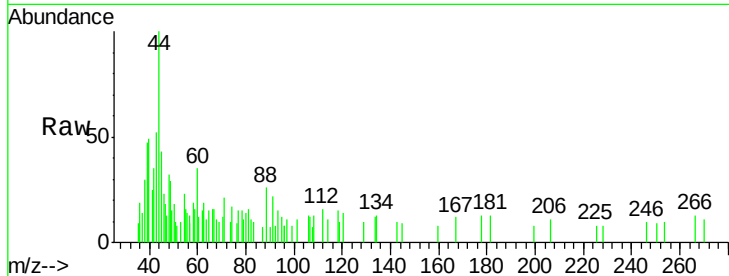
Tot Ion: 88 Resp: 243

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

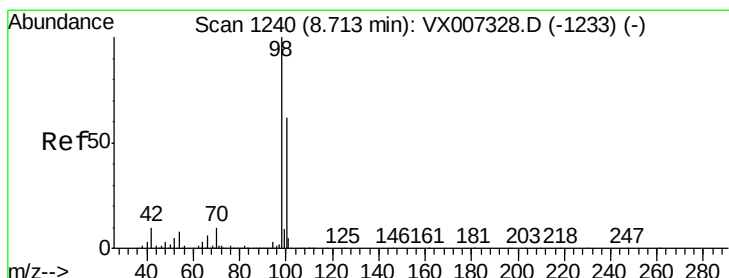
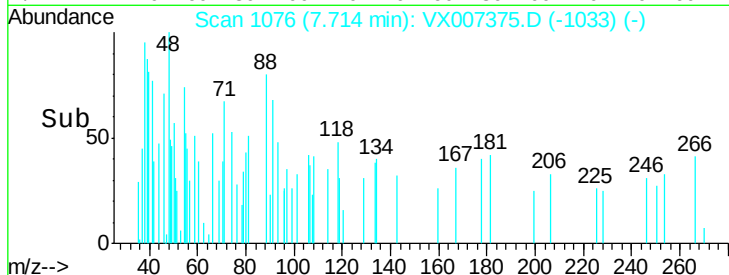
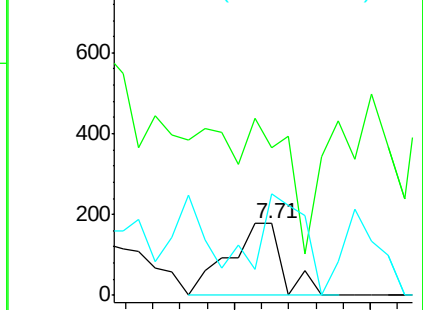
58 129.2 53.0 79.4#



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: 50.829 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007375.D

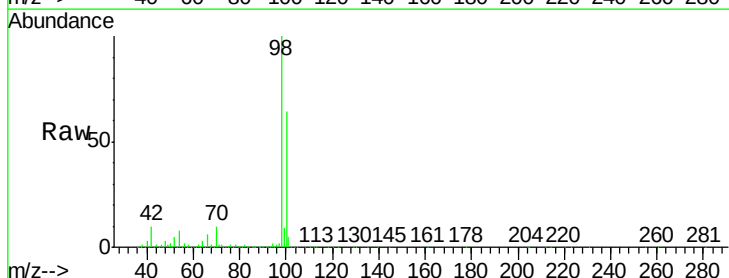
Acq: 05 Feb 2019 14:31

Tgt Ion: 98 Resp: 923131

Ion Ratio Lower Upper

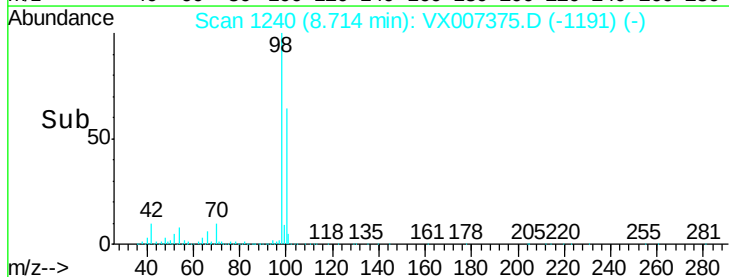
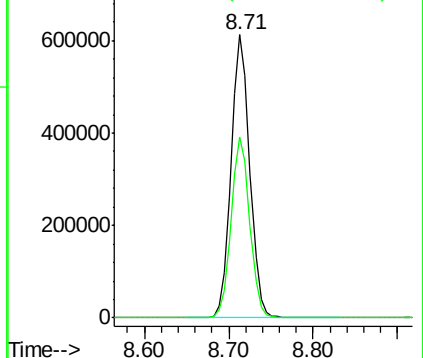
98 100

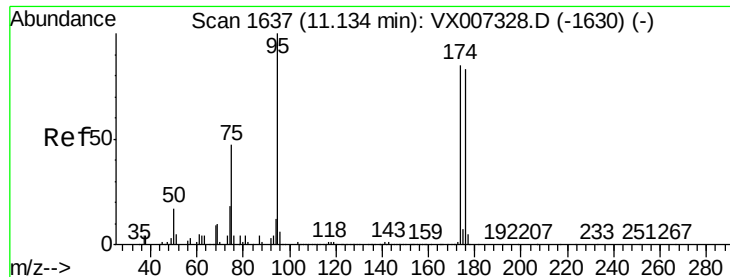
100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.074 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190204

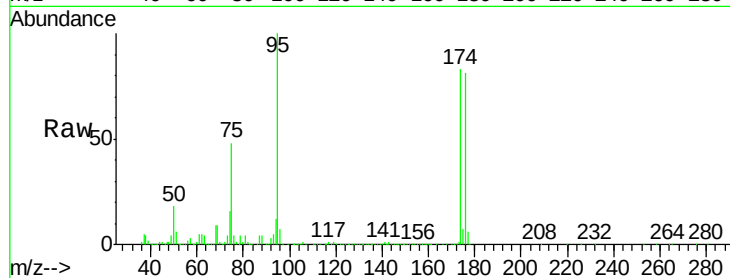
Tot Ion: 95 Resp: 318770

Ion Ratio Lower Upper

95 100

174 92.4 0.0 189.2

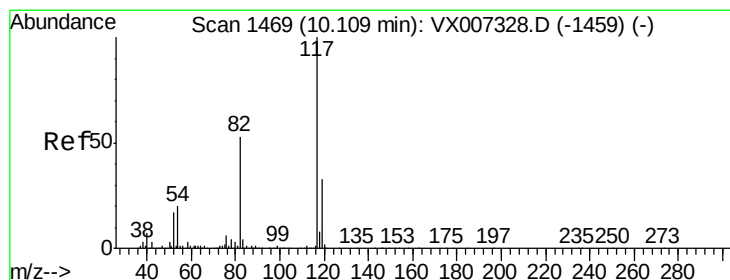
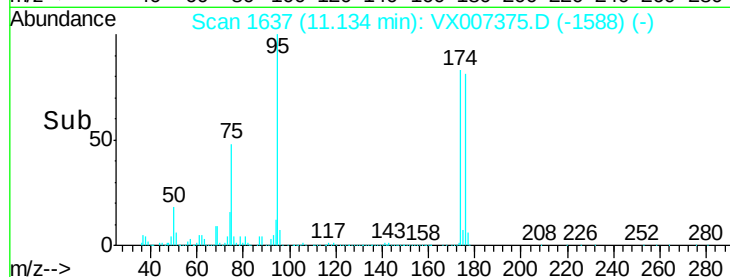
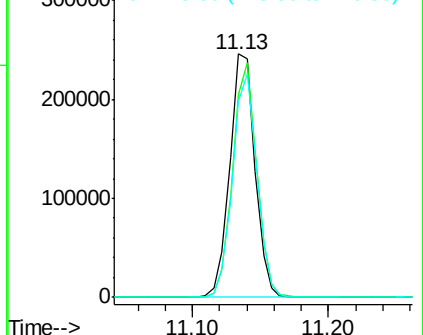
176 89.3 0.0 186.2



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: VX007375.D

Acq: 05 Feb 2019 14:31

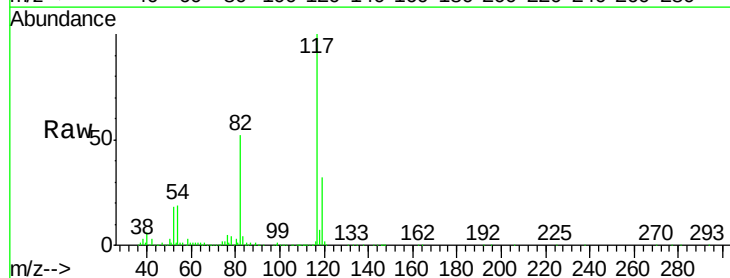
Tgt Ion: 117 Resp: 710391

Ion Ratio Lower Upper

117 100

82 52.3 42.1 63.1

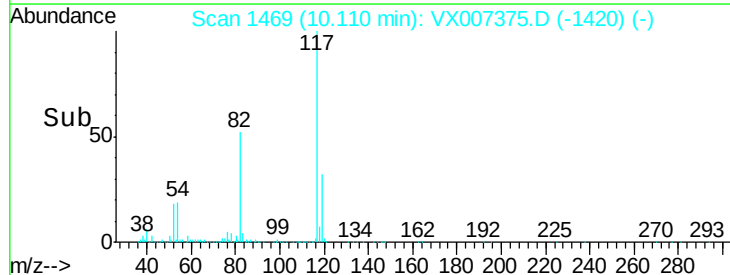
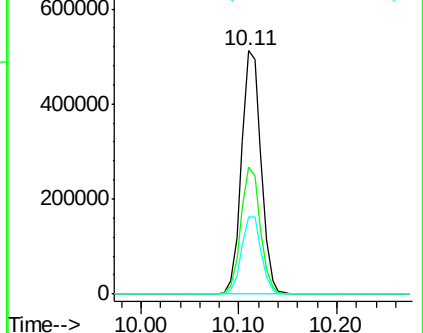
119 31.9 26.5 39.7

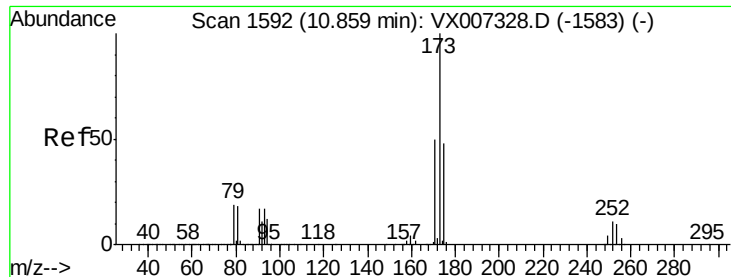


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 4.048 ug/l

RT: 10.88 min Scan# 1595

Delta R.T. 0.02 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190204

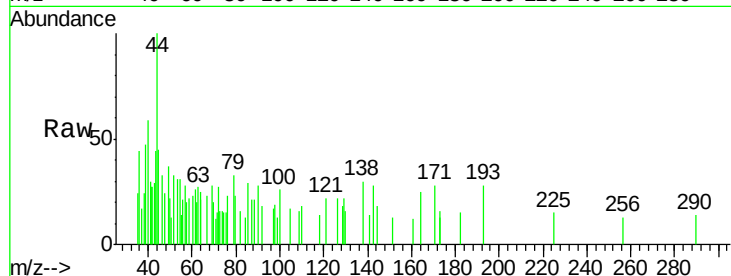
Tot Ion:173 Resp: 94

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

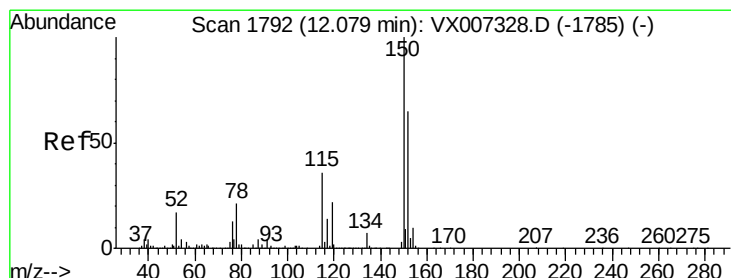
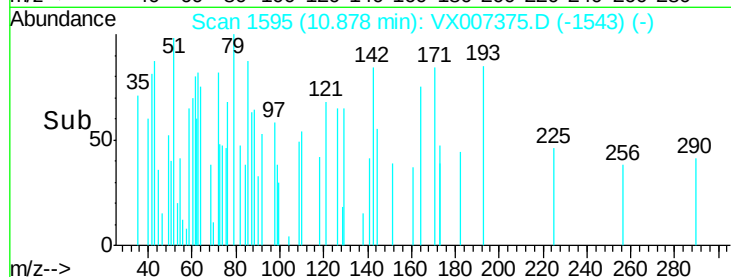
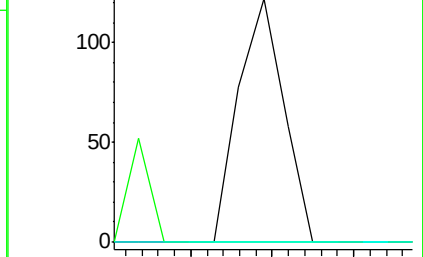
254 0.0 0.2 0.2#



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: VX007375.D

Acq: 05 Feb 2019 14:31

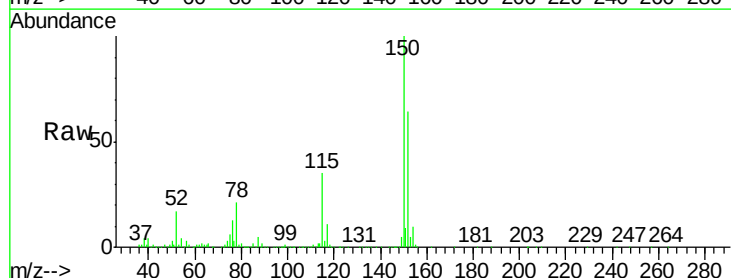
Tgt Ion:152 Resp: 341838

Ion Ratio Lower Upper

152 100

115 54.9 38.0 114.0

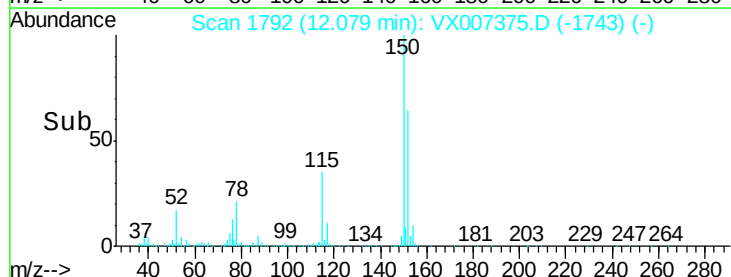
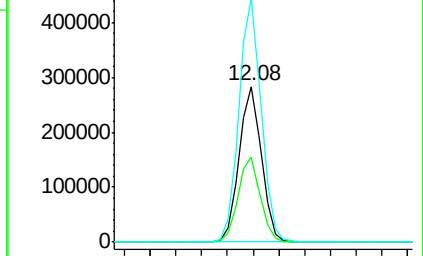
150 155.7 0.0 346.4

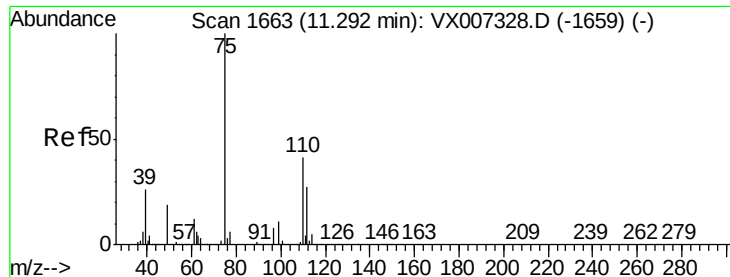


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.792 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

Instrument :

MSVOA_X

ClientSampled :

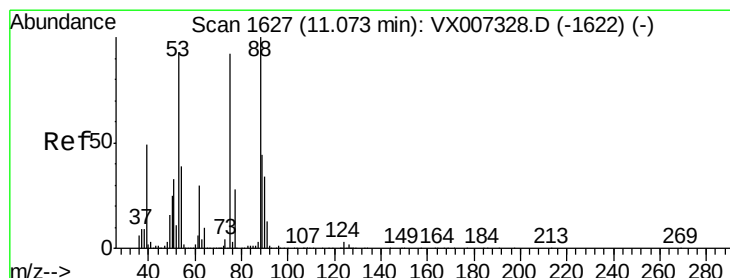
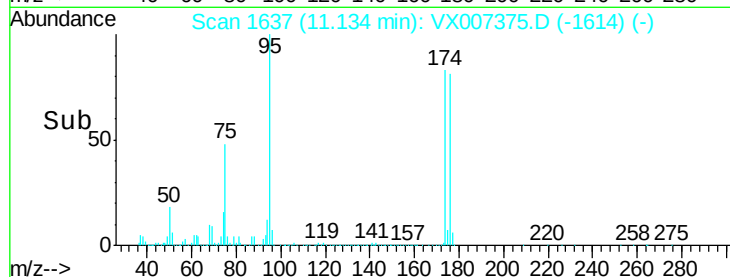
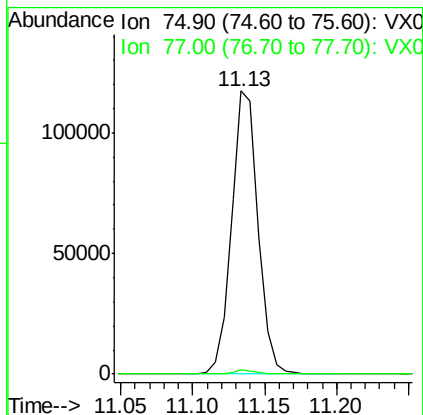
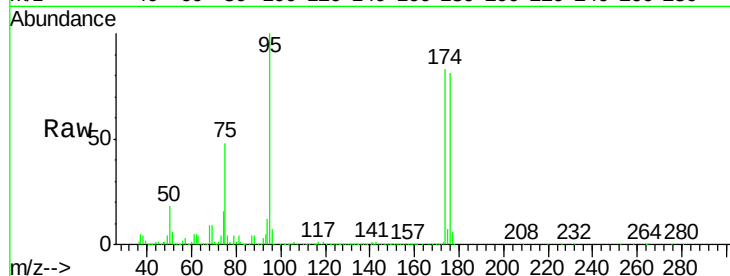
TB-01-190204

Tot Ion: 75 Resp: 151546

Ion Ratio Lower Upper

75 100

77 1.5 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.718 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007375.D

Acq: 05 Feb 2019 14:31

Tgt Ion: 75 Resp: 151546

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.0 41.4 62.0#

