

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006673.D
 Acq On : 20 Dec 2018 14:01
 Operator : JC/MD
 Sample : J6484-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 968-MW-06(17)

Quant Time: Dec 21 03:30:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	624286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	991940	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	908114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	434080	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	342191	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	5.50	113	292876	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
50) Toluene-d8	8.71	98	1168930	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	422314	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

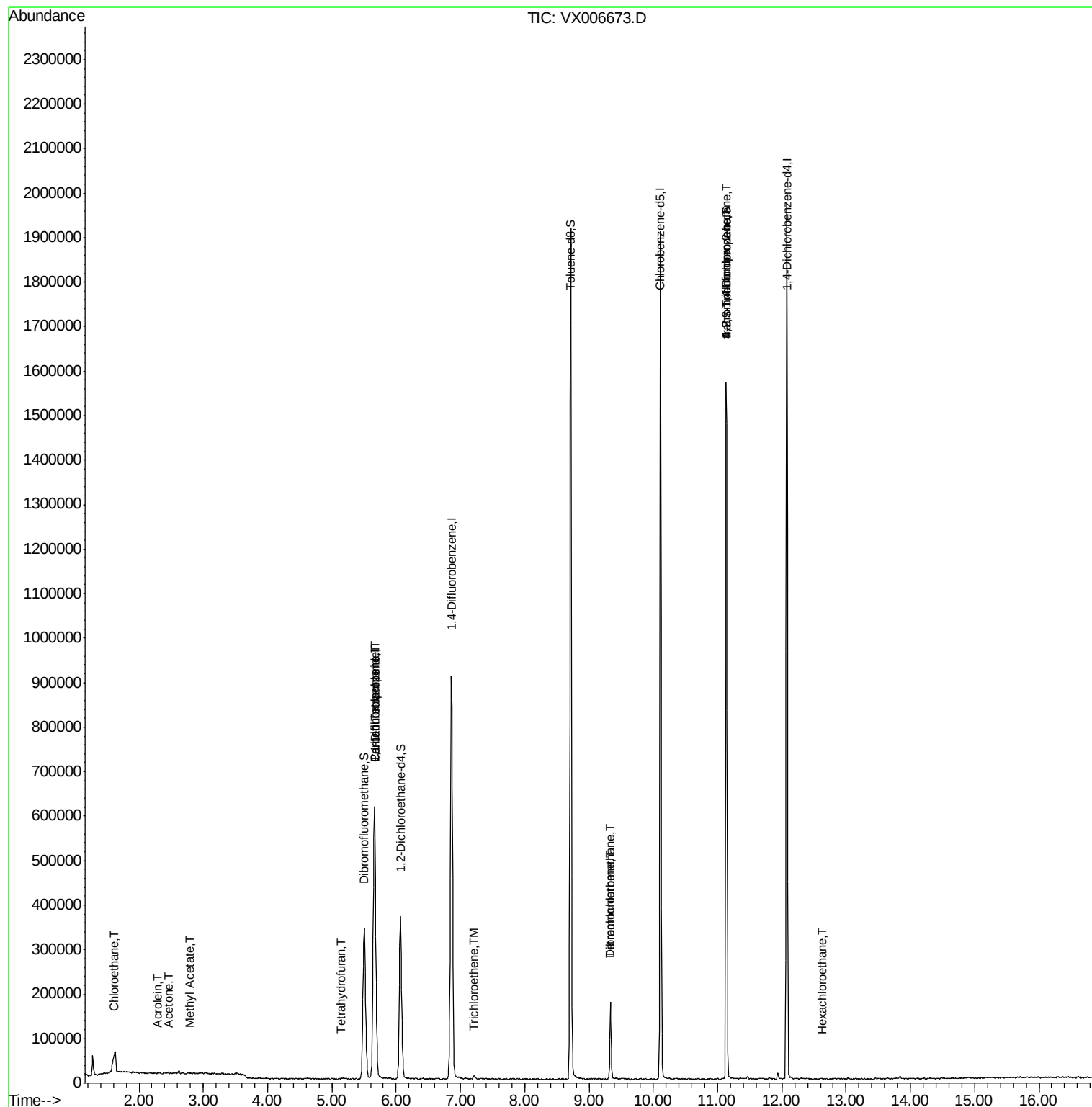
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1210	Below Cal	#	30
6) Chloroethane	1.61	64	3964	0.891	ug/l #	58
13) Acrolein	2.29	56	491	0.485	ug/l #	38
16) Acetone	2.45	43	3167	1.025	ug/l #	45
18) Methyl Acetate	2.78	43	2380	0.262	ug/l #	80
28) Bromochloromethane	5.01	49	150	Below Cal	#	49
29) Tetrahydrofuran	5.15	42	978	0.342	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	41721	5.078	ug/l #	48
38) Carbon Tetrachloride	5.67	117	59711	7.479	ug/l #	14
44) Trichloroethene	7.21	130	2745	0.363	ug/l	79
49) 1,4-Dioxane	7.74	88	241	Below Cal	#	25
60) Dibromochloromethane	9.34	129	31337	6.650	ug/l #	11
64) Tetrachloroethene	9.34	164	34634	4.816	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	199308	24.707	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	199308	73.057	ug/l #	10
90) Hexachloroethane	12.64	117	83	3.312	ug/l	81

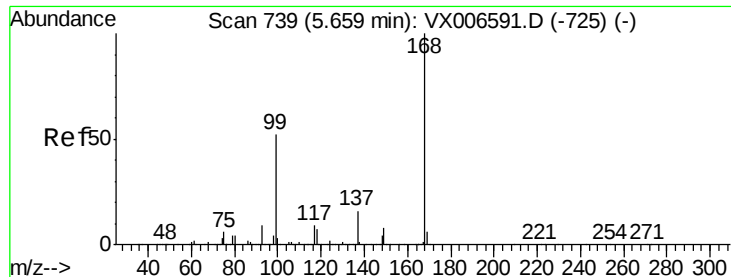
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

Instrument :

MSVOA_X

ClientSampleId :

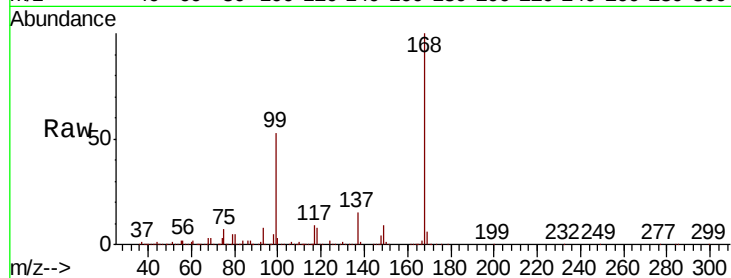
968-MW-06(17)

Tot Ion:168 Resp: 624286

Ion Ratio Lower Upper

168 100

99 52.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

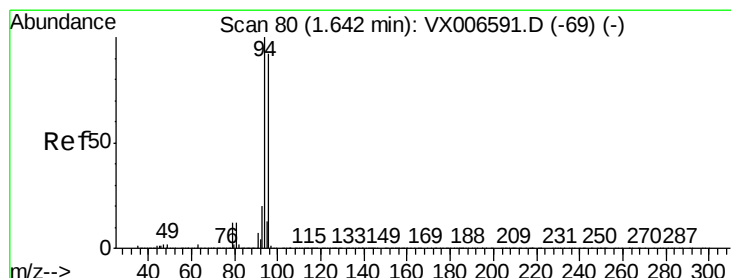
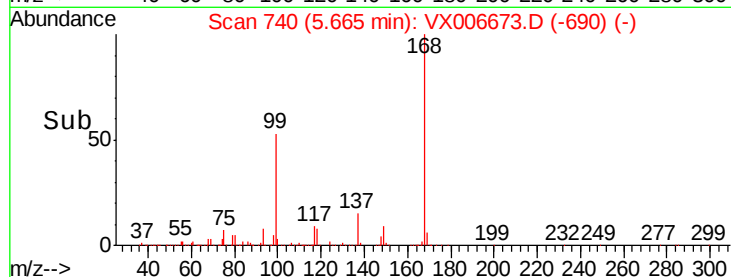
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006673.D

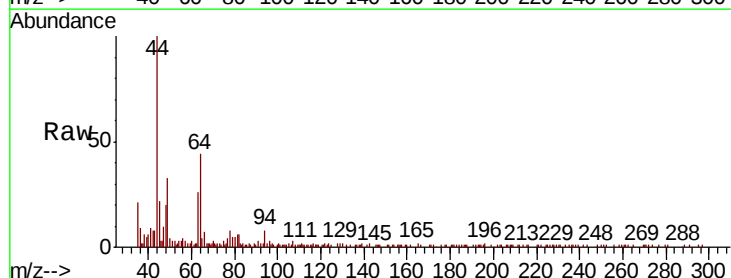
Acq: 20 Dec 2018 14:01

Tgt Ion: 94 Resp: 1210

Ion Ratio Lower Upper

94 100

96 24.8 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

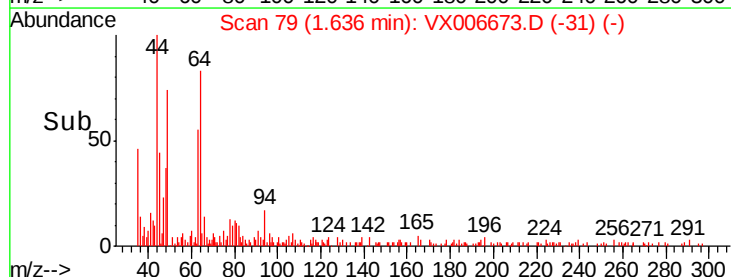
600

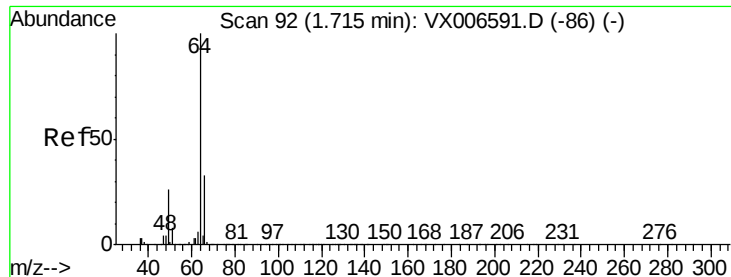
400

200

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.891 ug/l

RT: 1.61 min Scan# 74

Delta R.T. -0.11 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

Instrument :

MSVOA_X

ClientSampleId :

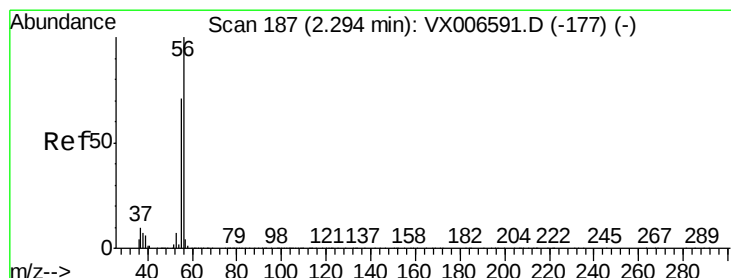
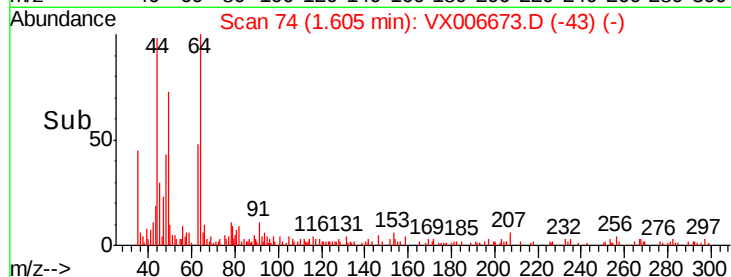
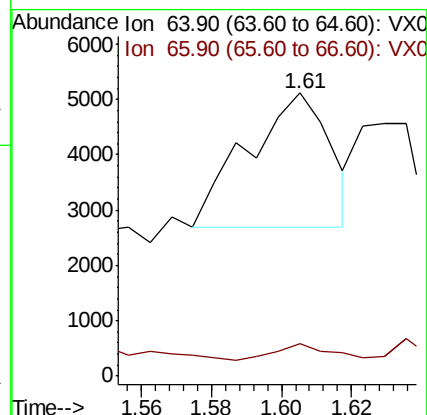
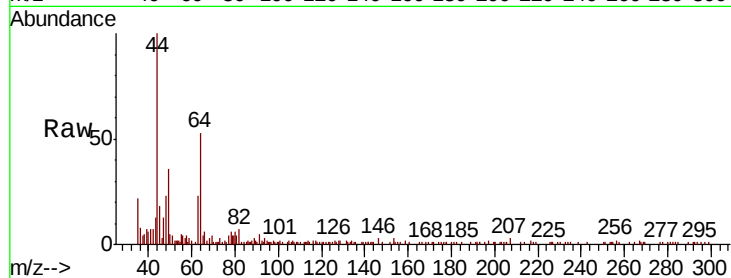
968-MW-06(17)

Tot Ion: 64 Resp: 3964

Ion Ratio Lower Upper

64 100

66 9.1 26.4 39.6#



#13

Acrolein

Concen: 0.485 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX006673.D

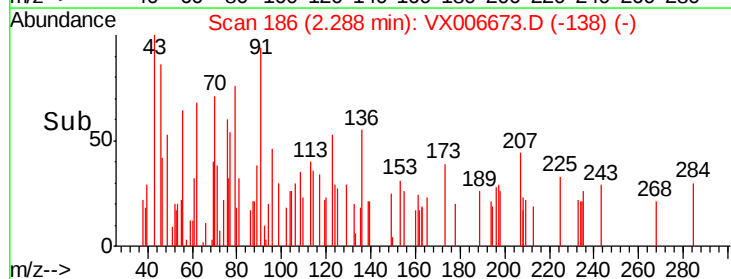
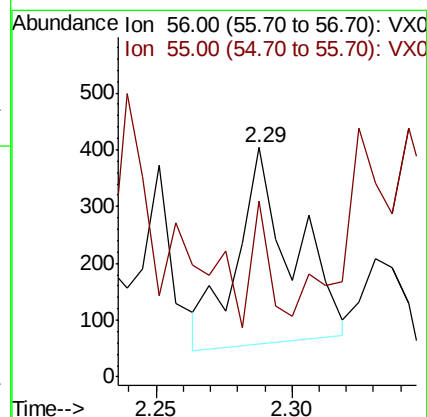
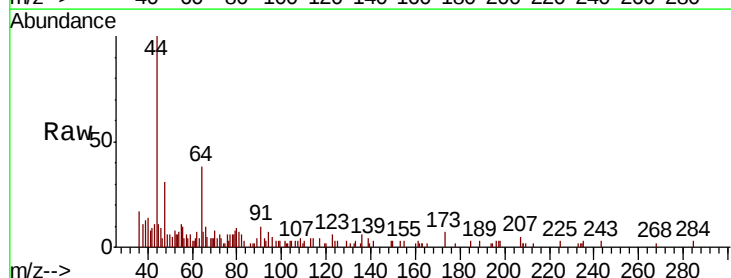
Acq: 20 Dec 2018 14:01

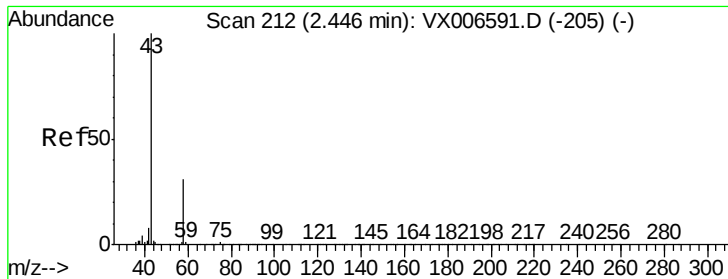
Tgt Ion: 56 Resp: 491

Ion Ratio Lower Upper

56 100

55 20.8 58.2 87.4#

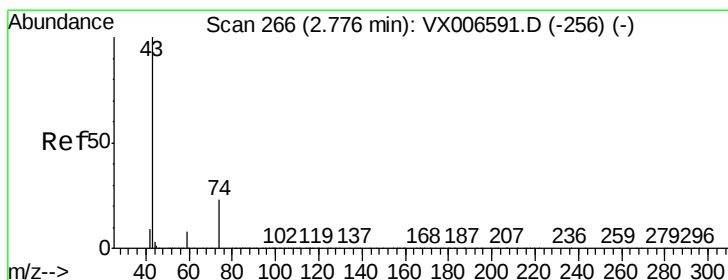
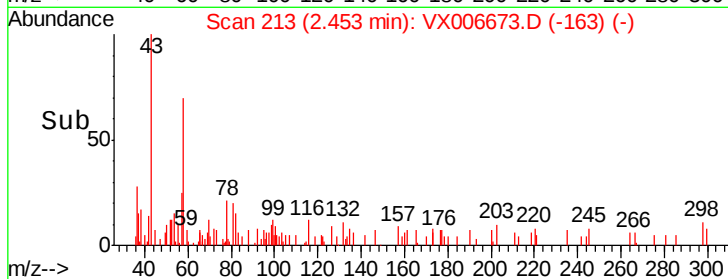
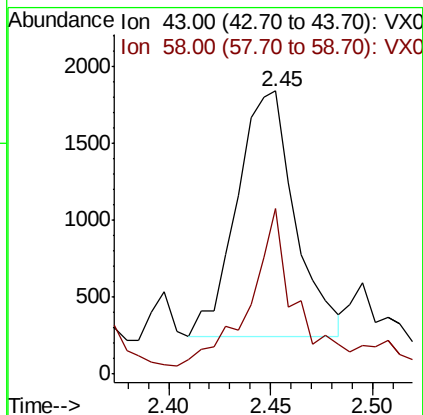
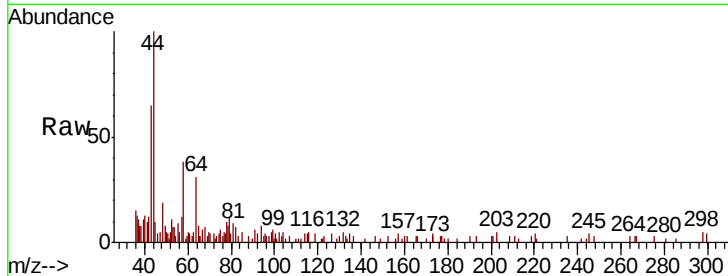




#16
Acetone
Concen: 1.025 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX006673.D
Acq: 20 Dec 2018 14:01

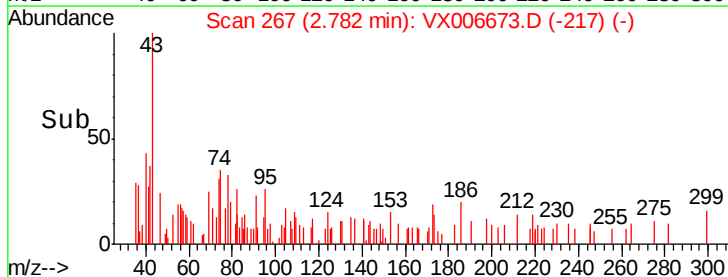
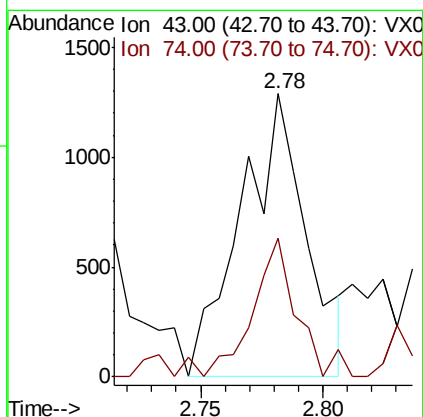
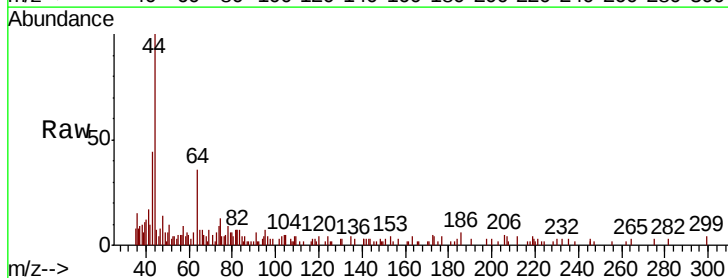
Instrument :
MSVOA_X
ClientSampleId :
968-MW-06(17)

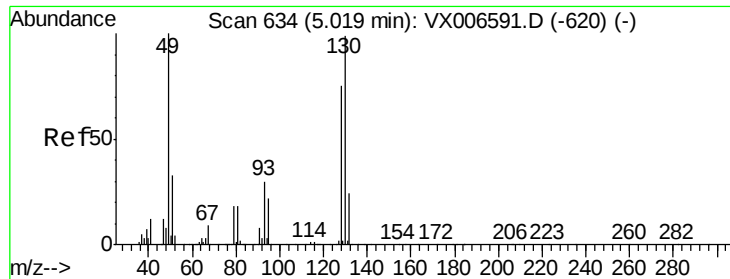
Tot Ion: 43 Resp: 3167
Ion Ratio Lower Upper
43 100
58 61.5 25.0 37.6#



#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006673.D
Acq: 20 Dec 2018 14:01

Tgt Ion: 43 Resp: 2380
Ion Ratio Lower Upper
43 100
74 33.0 18.6 28.0#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

Instrument :

MSVOA_X

ClientSampleId :

968-MW-06(17)

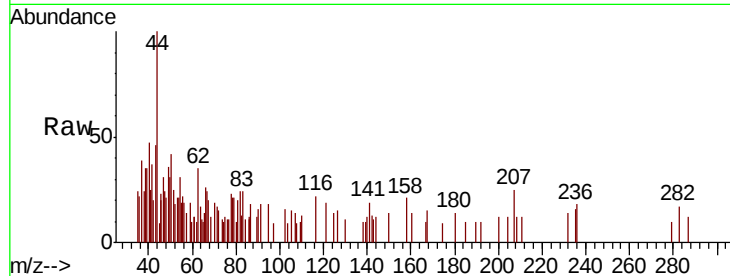
Tot Ion: 49 Resp: 150

Ion Ratio Lower Upper

49 100

129 30.7 0.0 5.4#

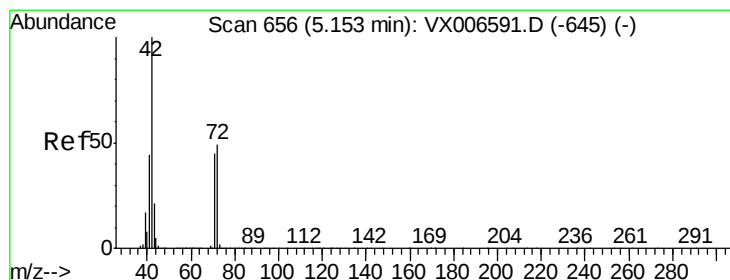
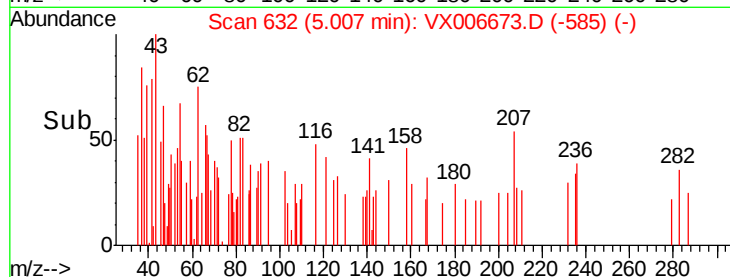
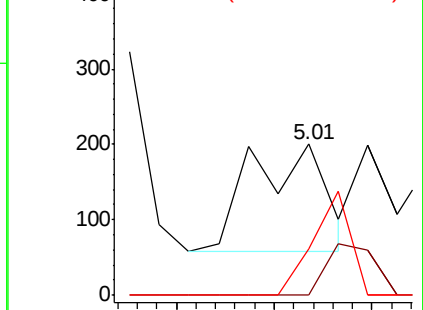
130 48.0 77.7 116.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.342 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

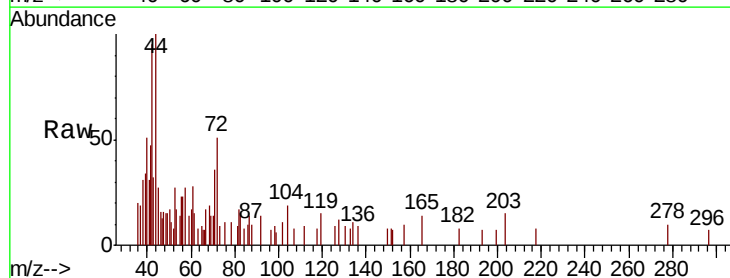
Tgt Ion: 42 Resp: 978

Ion Ratio Lower Upper

42 100

72 90.7 38.9 58.3#

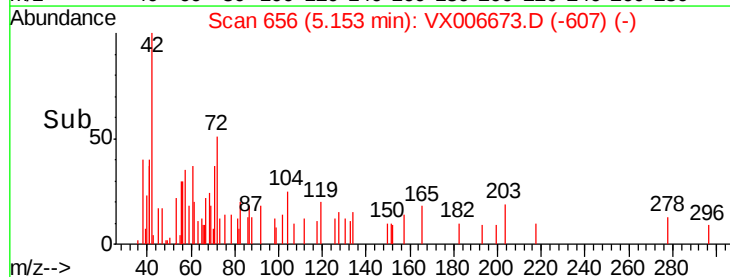
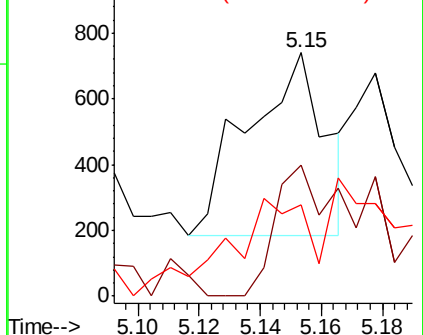
71 66.4 36.2 54.4#

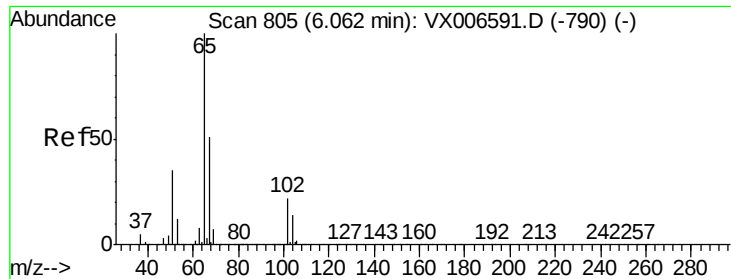


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.859 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

Instrument :

MSVOA_X

ClientSampleId :

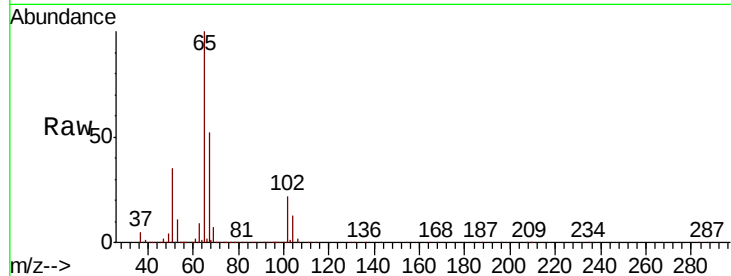
968-MW-06(17)

Tot Ion: 65 Resp: 342191

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

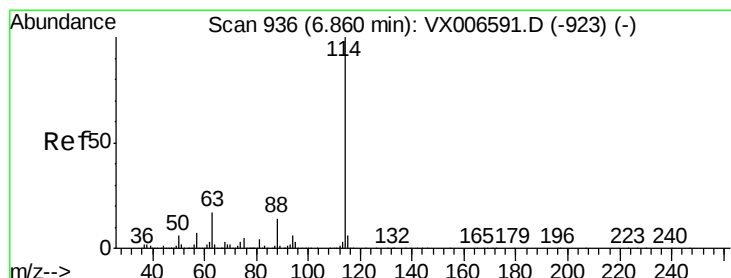
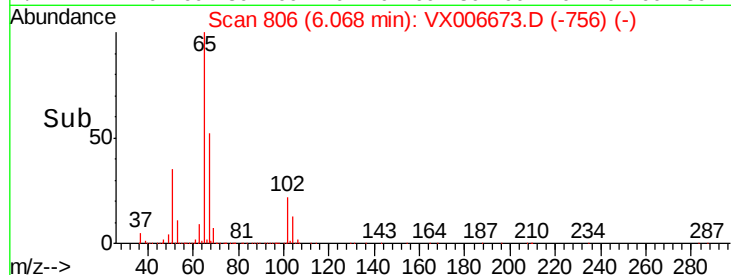
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

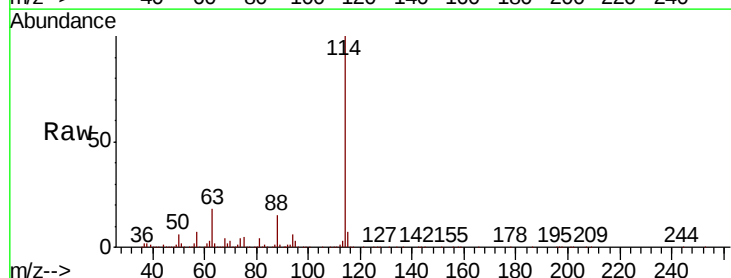
Tgt Ion: 114 Resp: 991940

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

88 14.7 0.0 28.8



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

6.86

500000

400000

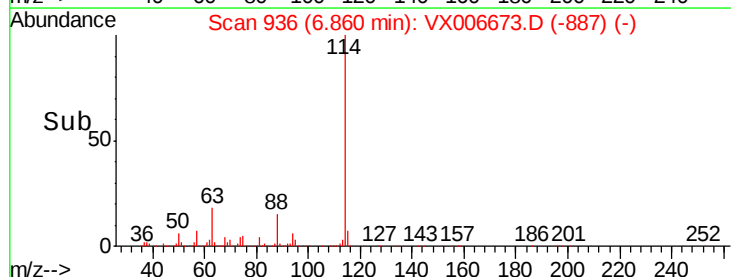
300000

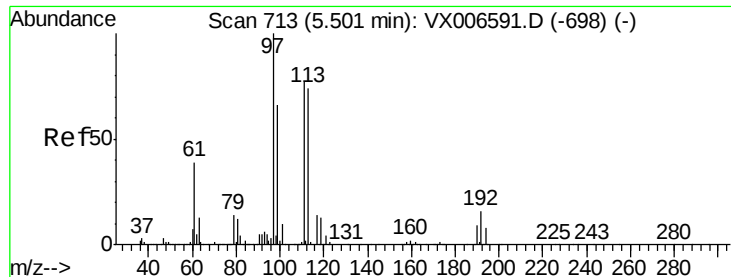
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 46.690 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

Instrument :

MSVOA_X

ClientSampled :

968-MW-06(17)

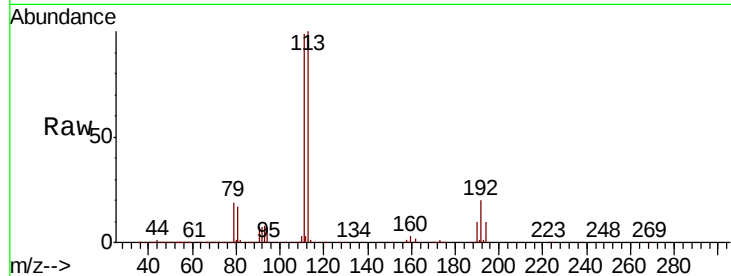
Tot Ion:113 Resp: 292876

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

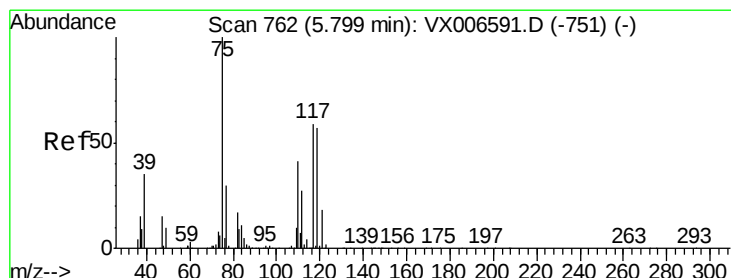
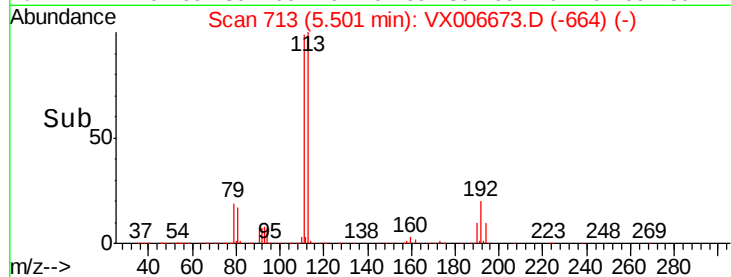
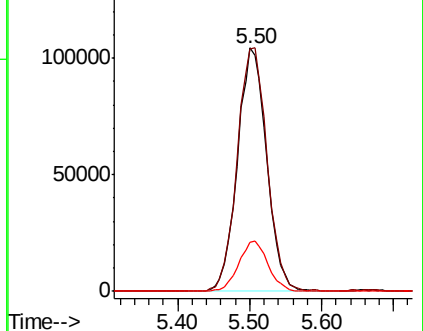
192 20.6 16.7 25.1



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: 5.078 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

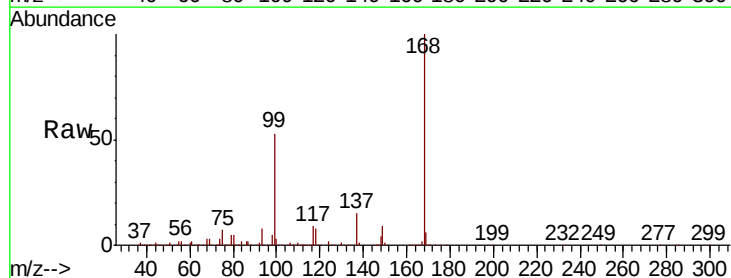
Tgt Ion: 75 Resp: 41721

Ion Ratio Lower Upper

75 100

110 10.5 20.2 60.5#

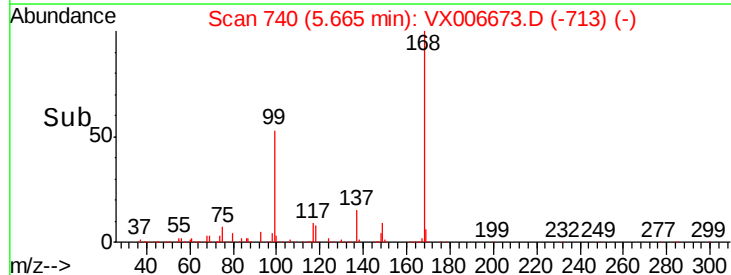
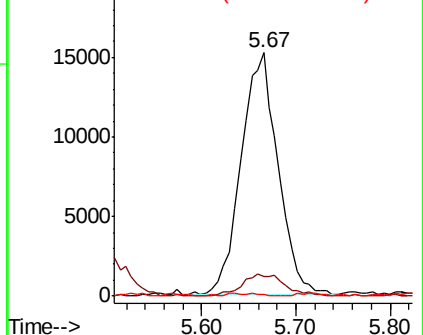
77 0.0 24.8 37.2#

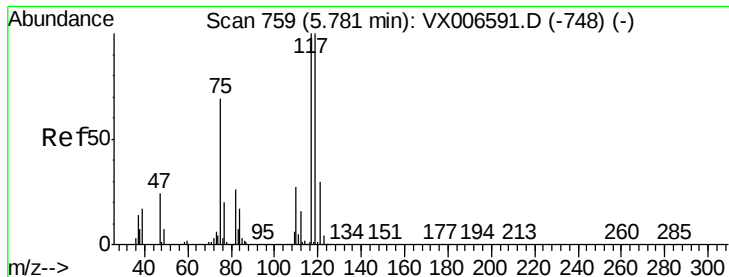


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.479 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

Instrument :

MSVOA_X

ClientSampleId :

968-MW-06(17)

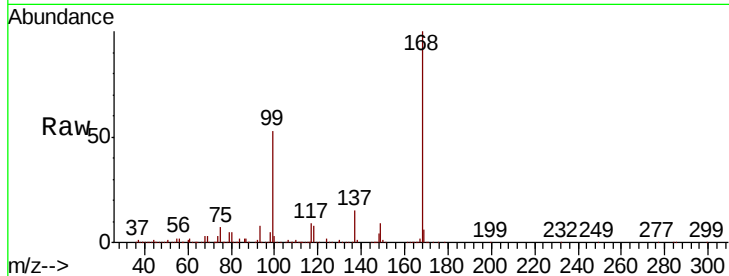
Tot Ion:117 Resp: 59711

Ion Ratio Lower Upper

117 100

119 4.5 79.4 119.2#

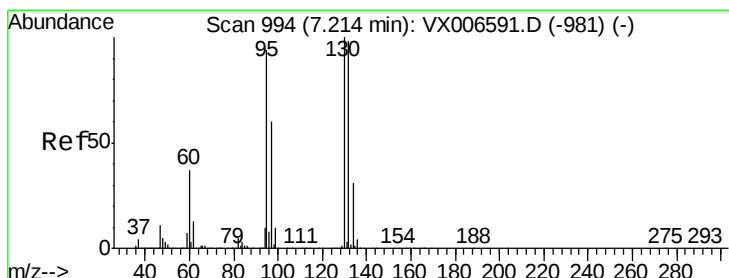
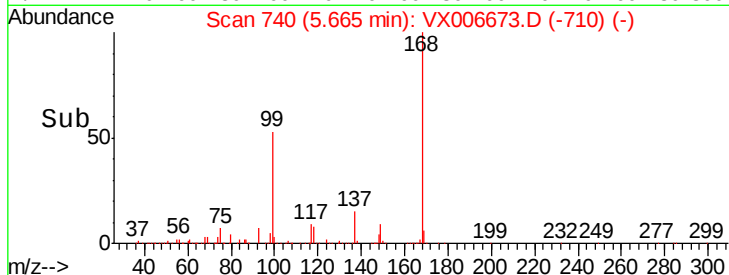
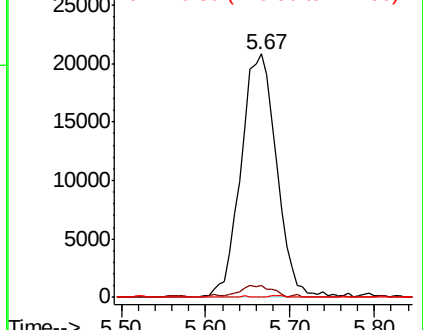
121 0.3 24.0 36.0#



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



#44

Trichloroethene

Concen: 0.363 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006673.D

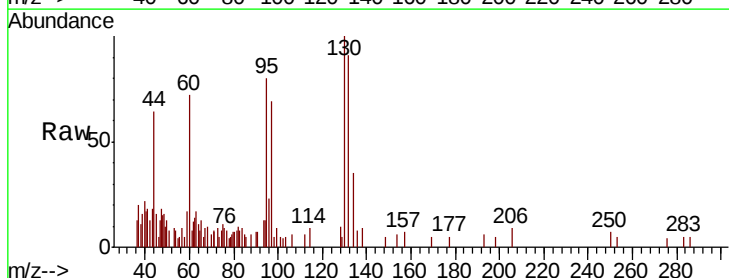
Acq: 20 Dec 2018 14:01

Tgt Ion:130 Resp: 2745

Ion Ratio Lower Upper

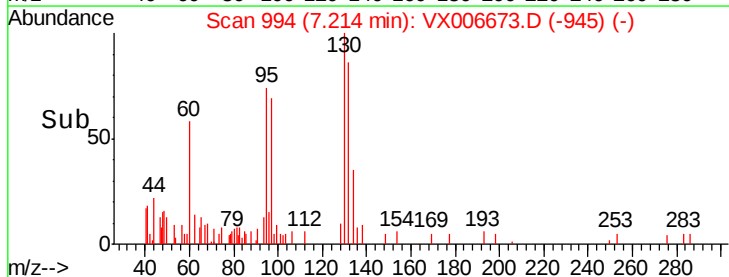
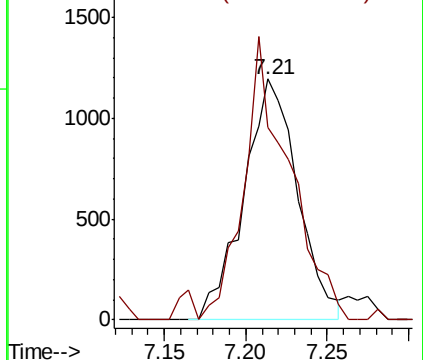
130 100

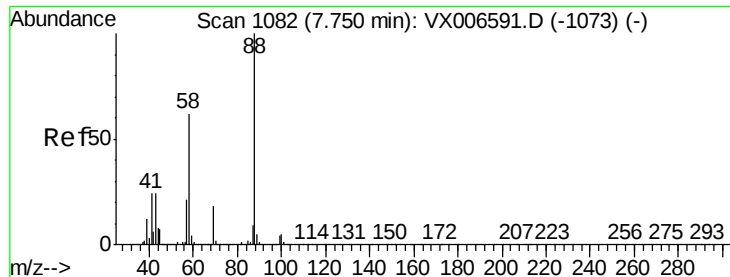
95 73.0 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

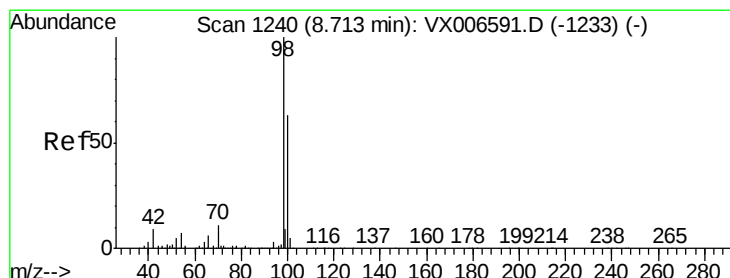
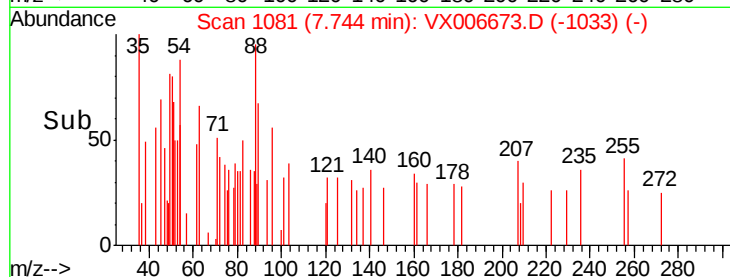
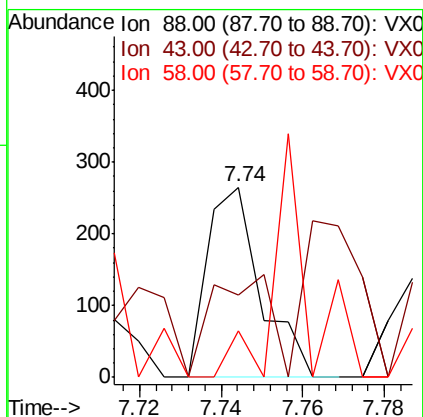
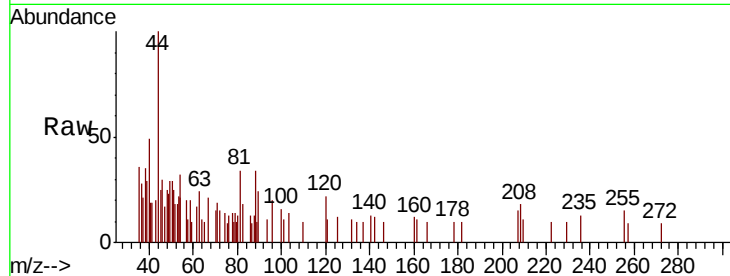




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX006673.D
Acq: 20 Dec 2018 14:01

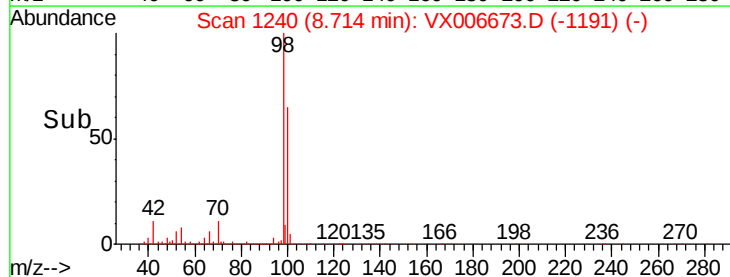
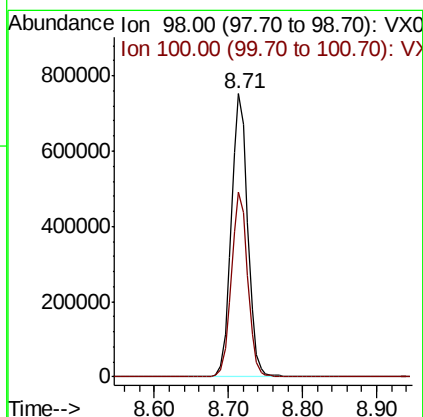
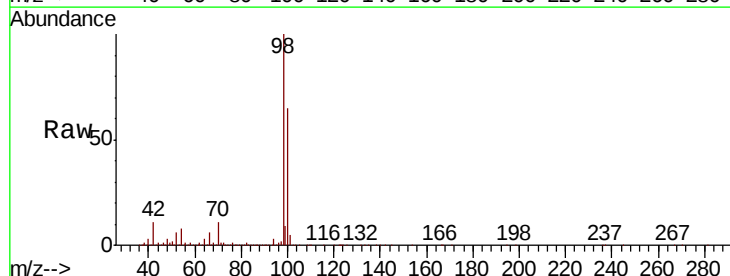
Instrument :
MSVOA_X
ClientSampleId :
968-MW-06(17)

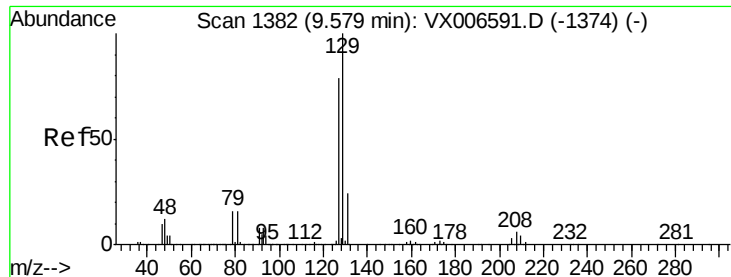
Tot Ion: 88 Resp: 241
Ion Ratio Lower Upper
88 100
43 58.9 22.2 33.4#
58 0.0 51.0 76.4#



#50
Toluene-d8
Concen: 49.429 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006673.D
Acq: 20 Dec 2018 14:01

Tgt Ion: 98 Resp: 1168930
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0





#60

Dibromochloromethane

Concen: 6.650 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

Instrument :

MSVOA_X

ClientSampleId :

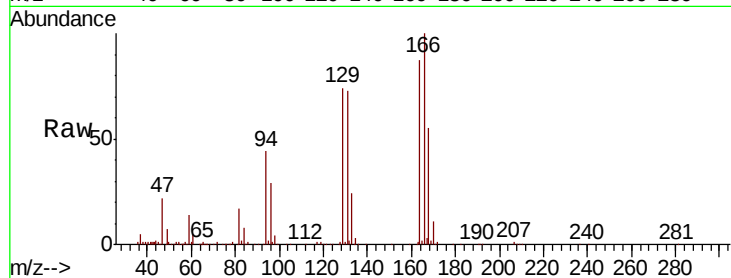
968-MW-06(17)

Tot Ion:129 Resp: 31337

Ion Ratio Lower Upper

129 100

127 0.4 39.3 117.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

25000

20000

15000

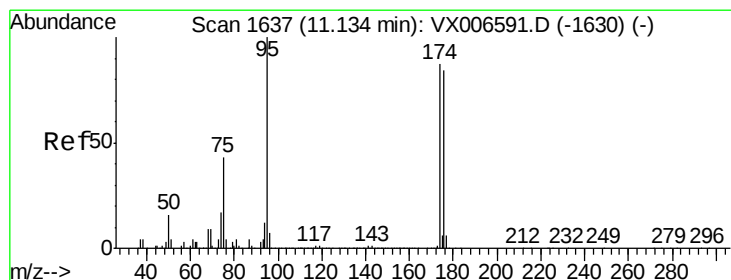
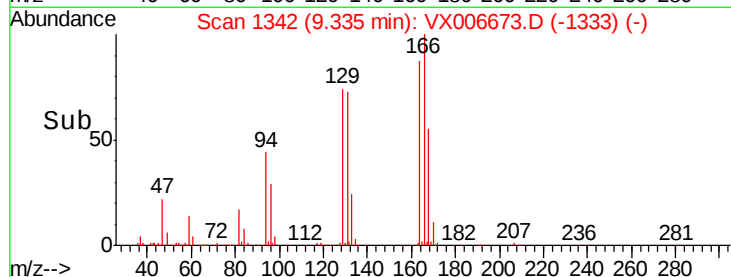
10000

5000

0

Time-->

9.25 9.30 9.35 9.40



#62

4-Bromofluorobenzene

Concen: 48.759 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

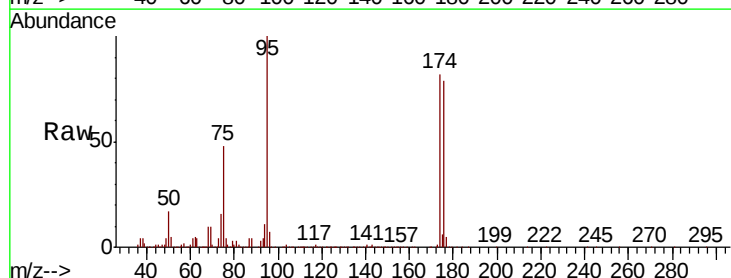
Tgt Ion: 95 Resp: 422314

Ion Ratio Lower Upper

95 100

174 87.4 0.0 182.2

176 83.7 0.0 178.8



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

400000

300000

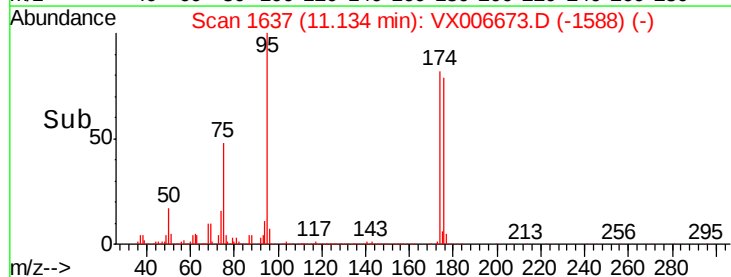
200000

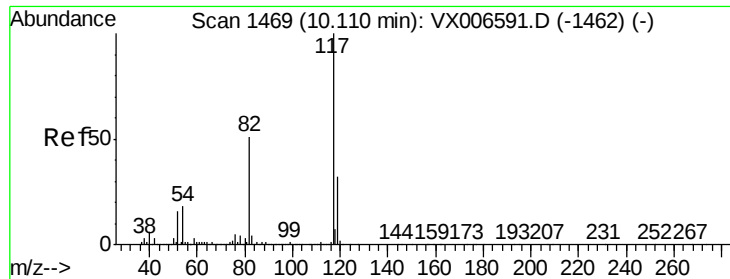
100000

0

Time-->

11.05 11.10 11.15 11.20

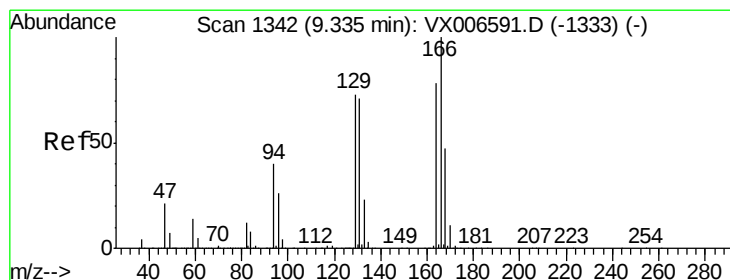
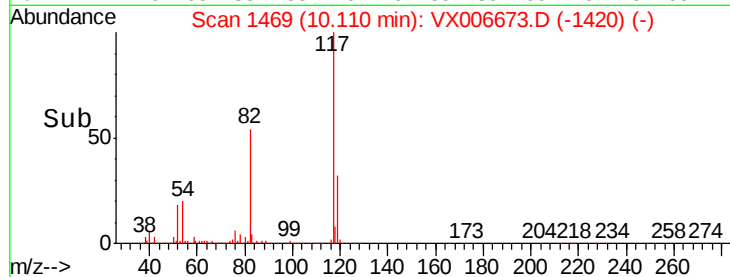
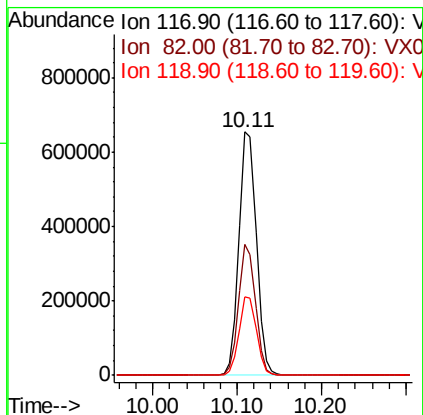
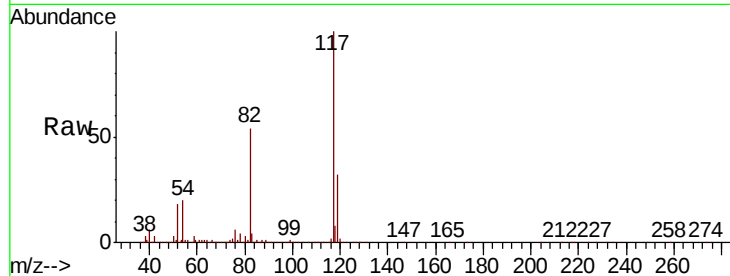




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006673.D
Acq: 20 Dec 2018 14:01

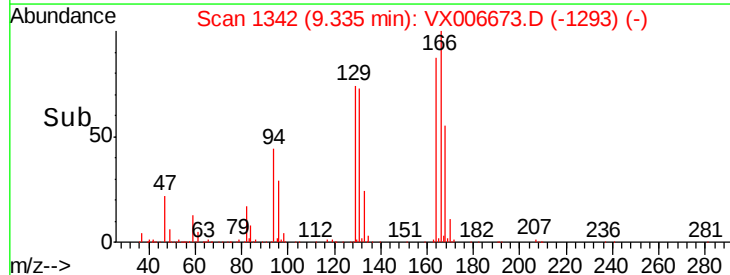
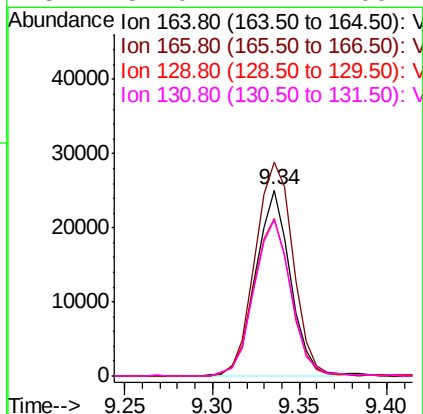
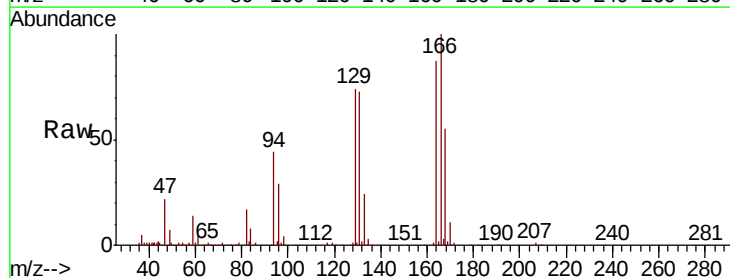
Instrument :
MSVOA_X
ClientSampleId :
968-MW-06(17)

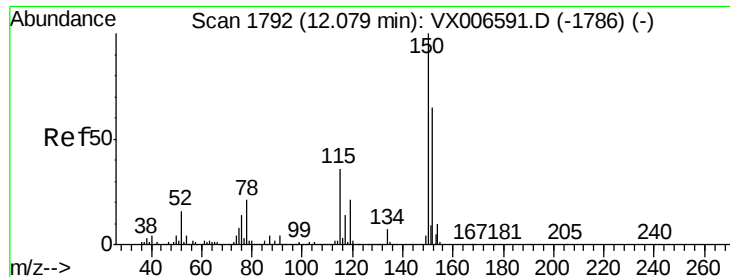
Tot Ion:117 Resp: 908114
Ion Ratio Lower Upper
117 100
82 54.0 41.0 61.6
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 4.816 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006673.D
Acq: 20 Dec 2018 14:01

Tgt Ion:164 Resp: 34634
Ion Ratio Lower Upper
164 100
166 114.8 102.5 153.7
129 84.9 75.1 112.7
131 84.0 72.7 109.1



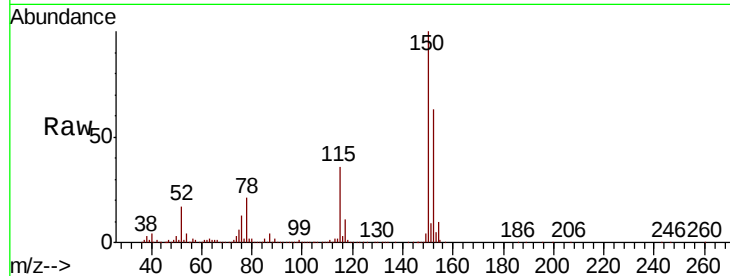


#72

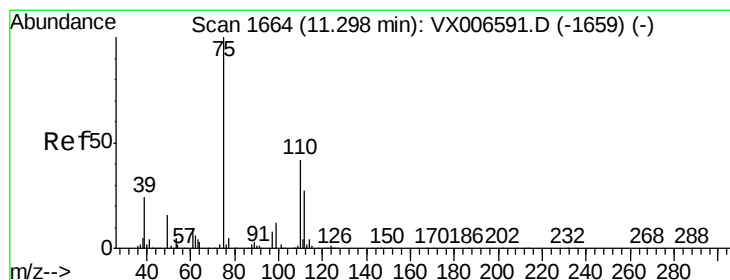
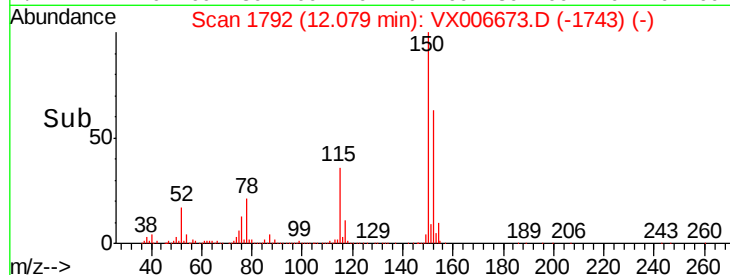
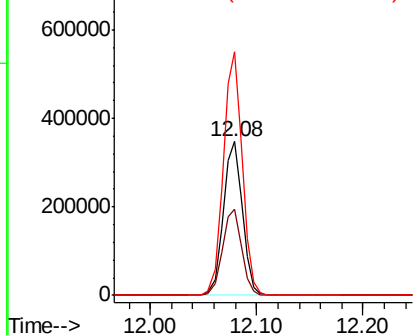
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006673.D
Acq: 20 Dec 2018 14:01

Instrument :
MSVOA_X
ClientSampleId :
968-MW-06(17)

Tot Ion:152 Resp: 434080
Ion Ratio Lower Upper
152 100
115 56.5 39.1 117.2
150 156.8 0.0 344.8



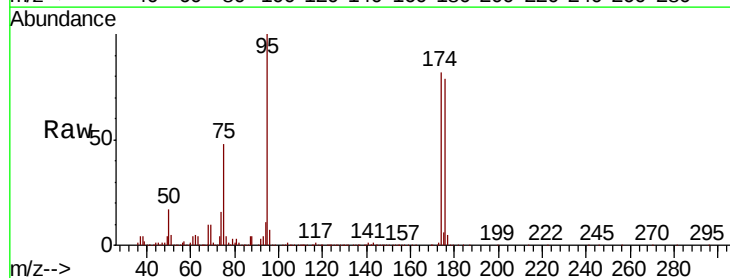
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



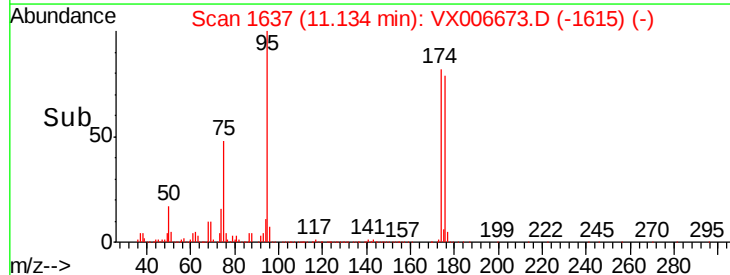
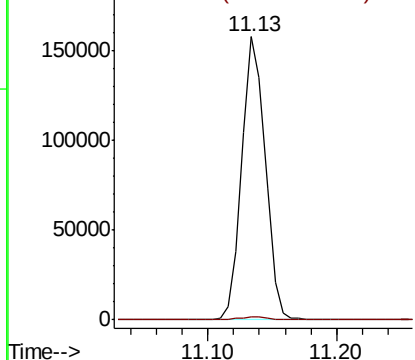
#76

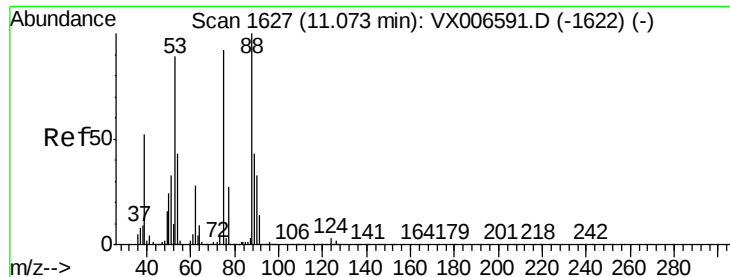
1,2,3-Trichloropropane
Concen: 24.707 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006673.D
Acq: 20 Dec 2018 14:01

Tgt Ion: 75 Resp: 199308
Ion Ratio Lower Upper
75 100
77 1.4 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.057 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006673.D

Acq: 20 Dec 2018 14:01

Instrument :

MSVOA_X

ClientSampleId :

968-MW-06(17)

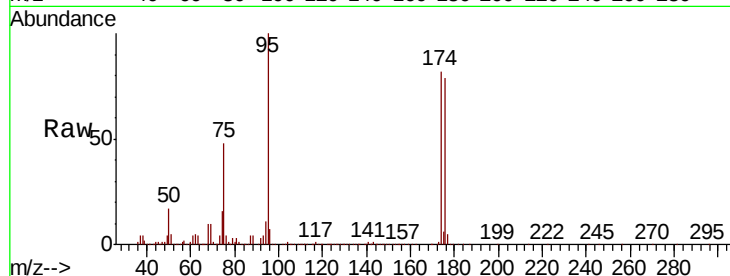
Tot Ion: 75 Resp: 199308

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

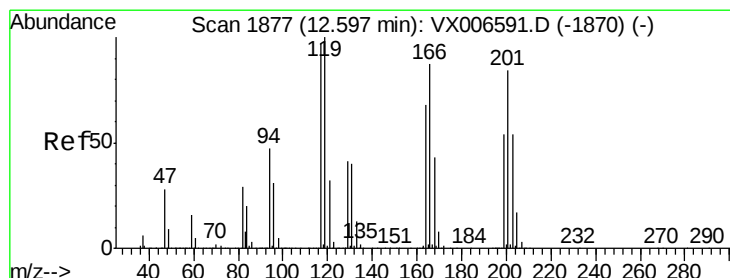
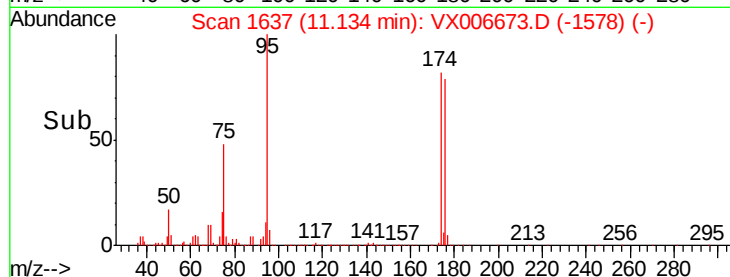
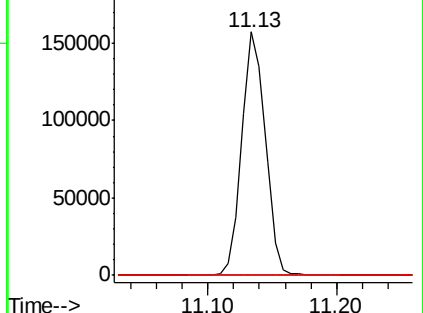
89 0.1 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#90

Hexachloroethane

Concen: 3.312 ug/l

RT: 12.64 min Scan# 1884

Delta R.T. 0.04 min

Lab File: VX006673.D

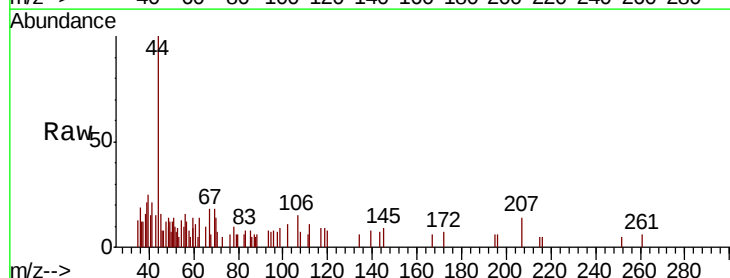
Acq: 20 Dec 2018 14:01

Tgt Ion: 117 Resp: 83

Ion Ratio Lower Upper

117 100

201 103.6 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

