

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004086.D
 Acq On : 15 Aug 2018 21:21
 Operator : JC/MD
 Sample : J4439-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-285-SRI3

Quant Time: Aug 16 16:58:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385974	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	370774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196258	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	185957	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
35) Dibromofluoromethane	5.51	113	152832	52.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.82%	
50) Toluene-d8	8.72	98	557104	47.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	11.14	95	188985	44.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.98%	

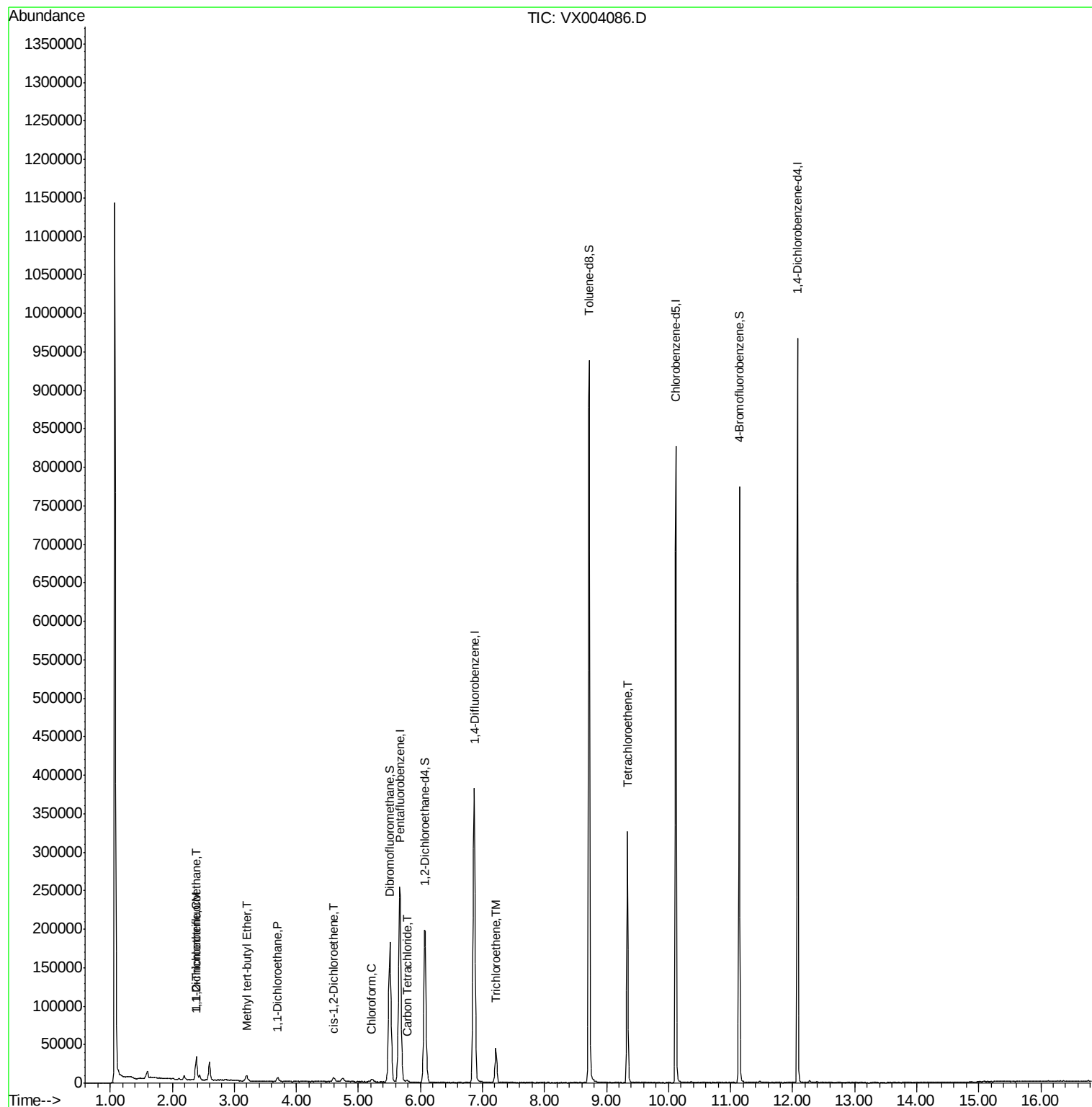
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	9681	3.33	ug/l	98
12) 1,1-Dichloroethene	2.37	96	3793	1.40	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	7121	0.75	ug/l	93
24) 1,1-Dichloroethane	3.70	63	6742	1.18	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	2939	0.85	ug/l	61
30) Chloroform	5.21	83	3965	0.71	ug/l	92
38) Carbon Tetrachloride	5.78	117	1660	0.39	ug/l #	79
44) Trichloroethene	7.22	130	18670	5.21	ug/l	94
64) Tetrachloroethene	9.34	164	67152	19.11	ug/l	96

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

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QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampled :

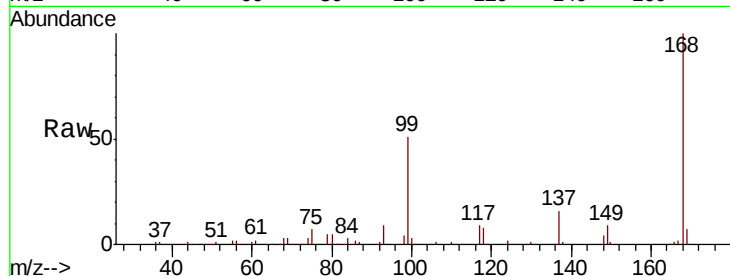
MW-285-SRI3

Tot Ion:168 Resp: 257163

Ion Ratio Lower Upper

168 100

99 50.6 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

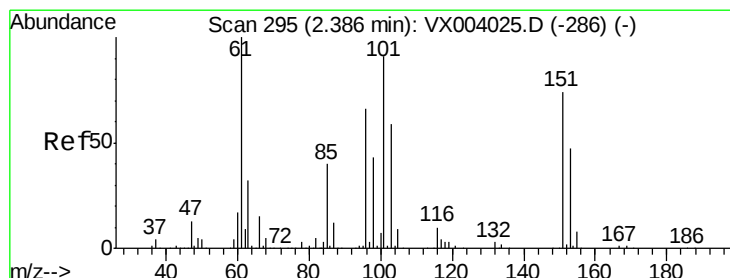
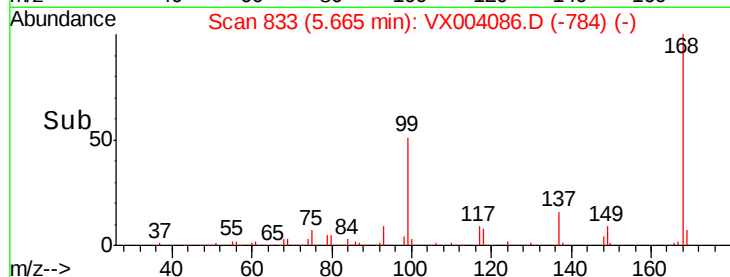
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.33 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

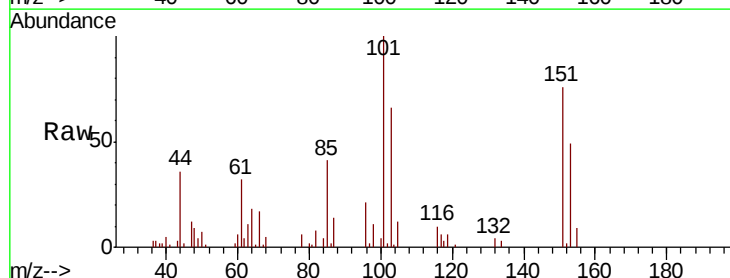
Tgt Ion:101 Resp: 9681

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.4

151 78.4 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

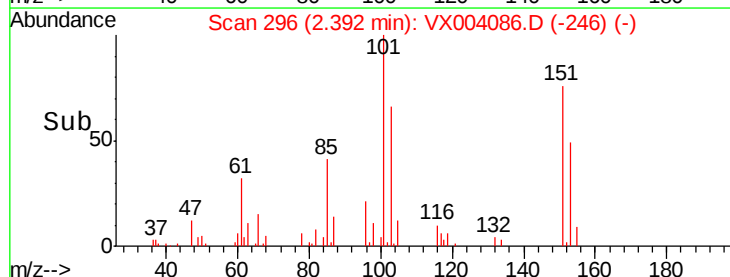
6000

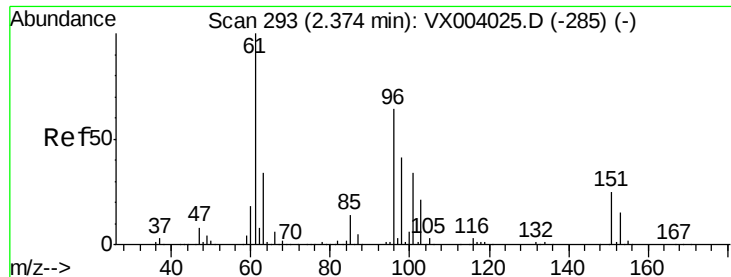
4000

2000

0

Time--> 2.30 2.35 2.40 2.45





#12

1,1-Dichloroethene

Concen: 1.40 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampleId :

MW-285-SRI3

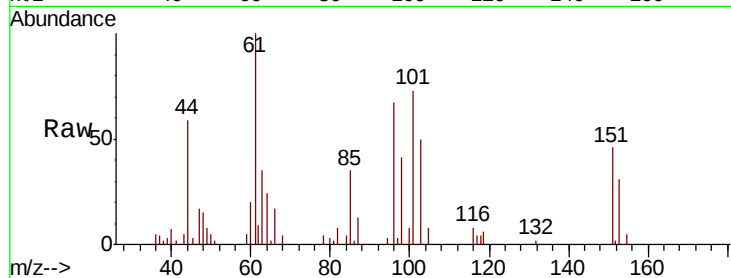
Tot Ion: 96 Resp: 3793

Ion Ratio Lower Upper

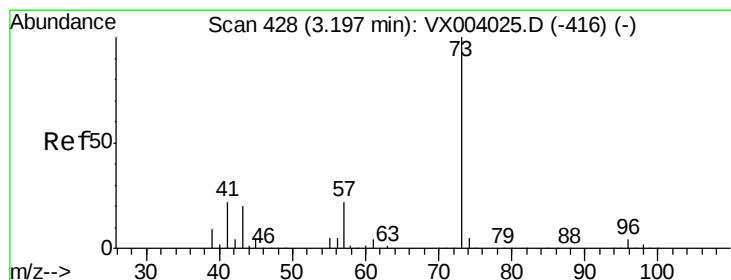
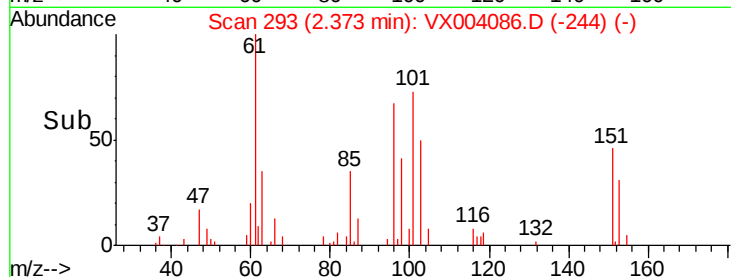
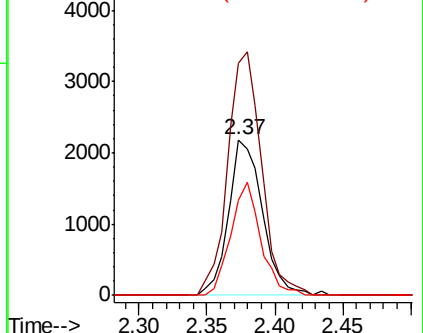
96 100

61 149.3 131.3 196.9

98 61.2 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#19

Methyl tert-butyl Ether

Concen: 0.75 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.00 min

Lab File: VX004086.D

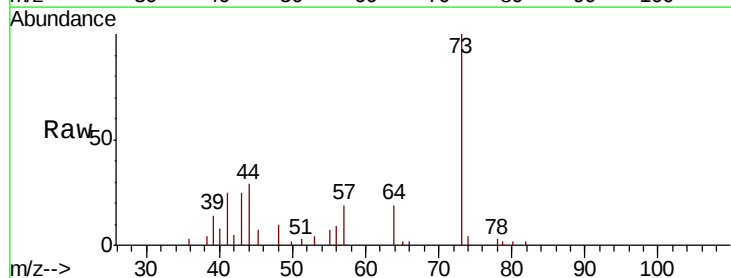
Acq: 15 Aug 2018 21:21

Tgt Ion: 73 Resp: 7121

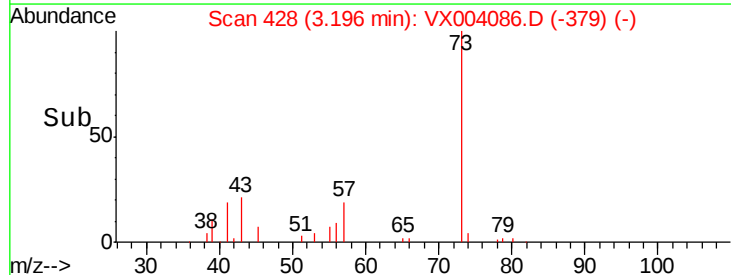
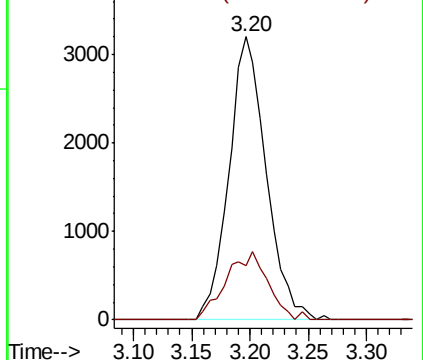
Ion Ratio Lower Upper

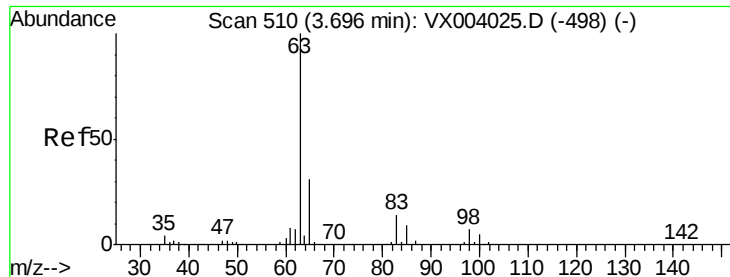
73 100

57 19.3 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#24

1,1-Dichloroethane

Concen: 1.18 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampleId :

MW-285-SRI3

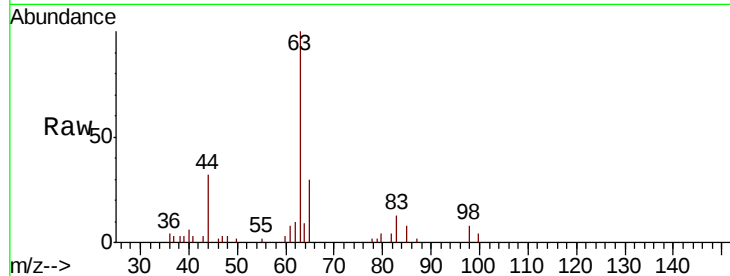
Tot Ion: 63 Resp: 6742

Ion Ratio Lower Upper

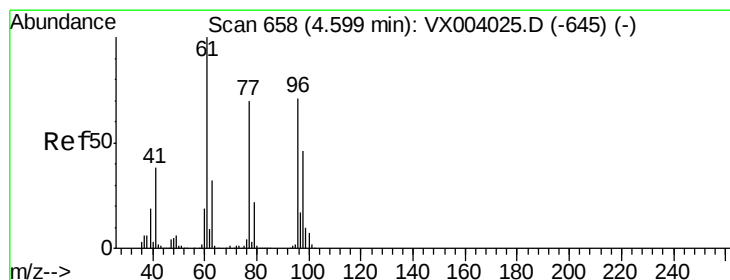
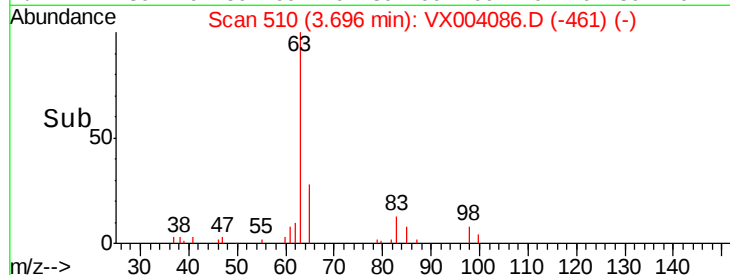
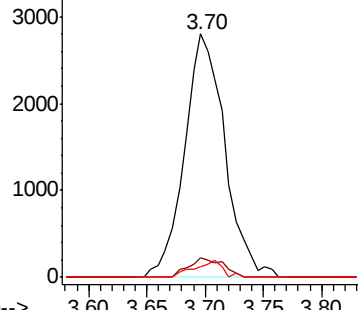
63 100

98 8.0 3.5 10.5

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.85 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

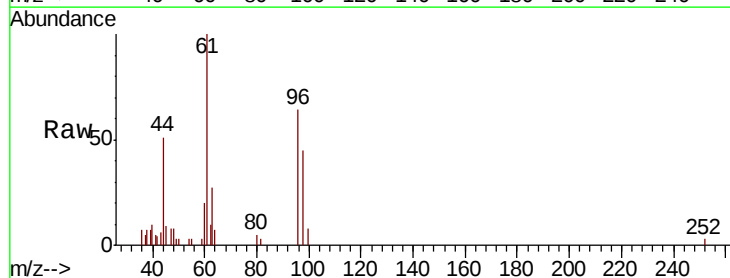
Tgt Ion: 96 Resp: 2939

Ion Ratio Lower Upper

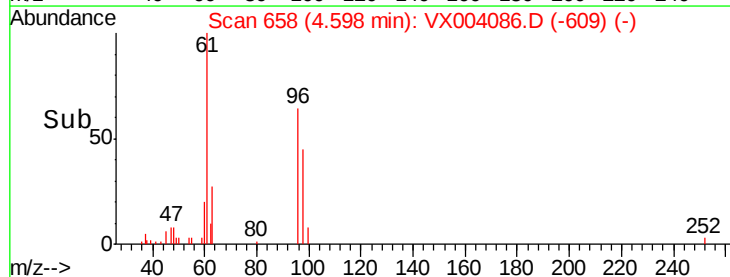
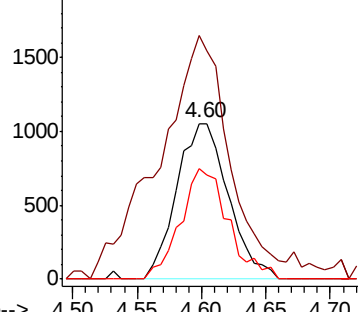
96 100

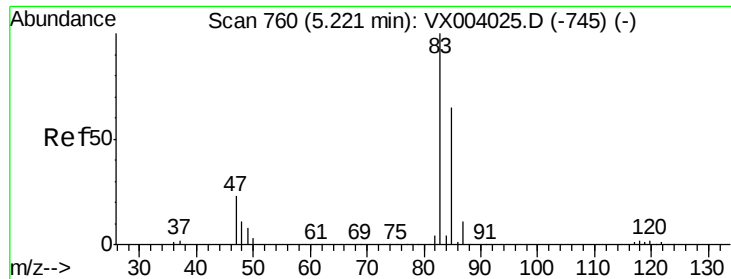
61 216.6 0.0 293.0

98 65.6 0.0 131.8



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

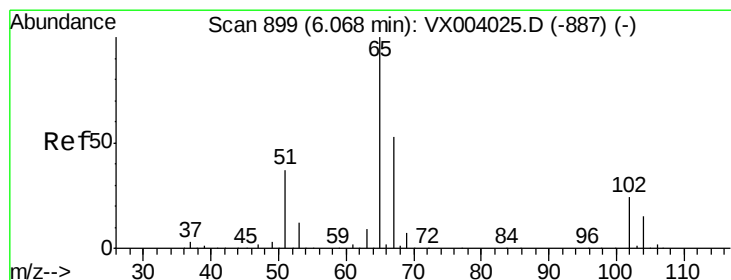
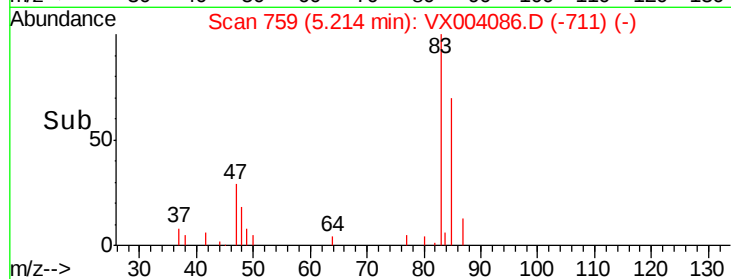
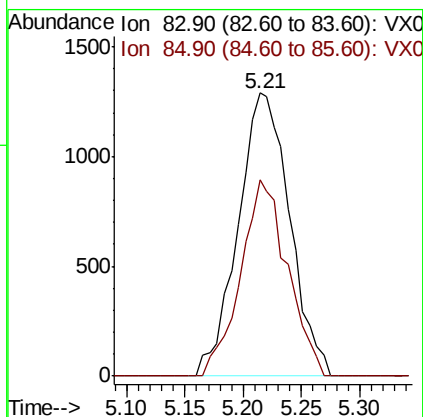
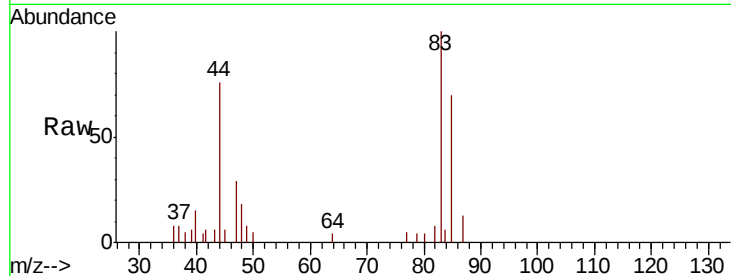




#30
Chloroform
Concen: 0.71 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

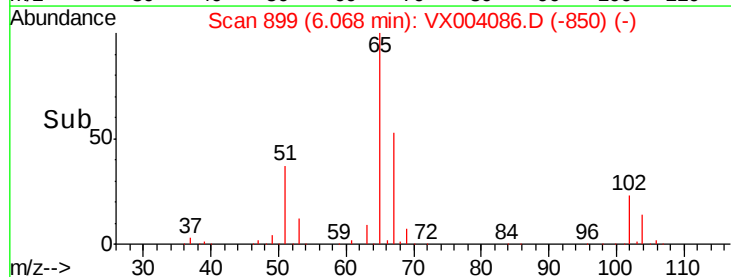
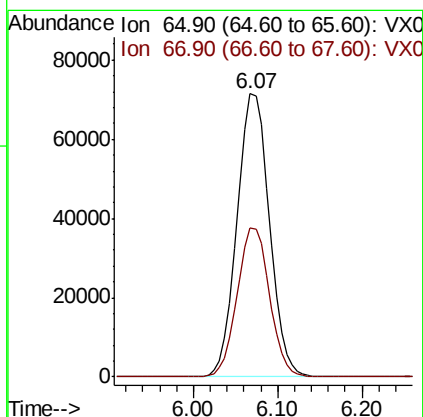
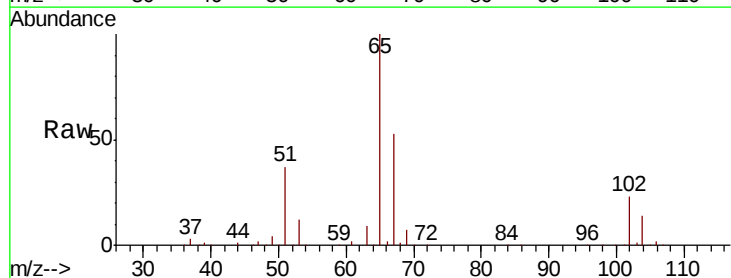
Instrument :
MSVOA_X
ClientSampled :
MW-285-SRI3

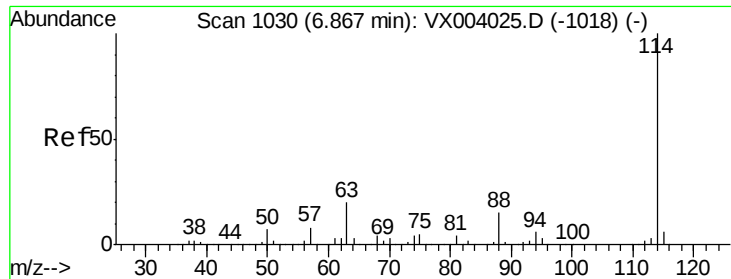
Tot Ion: 83 Resp: 3965
Ion Ratio Lower Upper
83 100
85 69.6 50.7 76.1



#33
1,2-Dichloroethane-d4
Concen: 51.32 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

Tgt Ion: 65 Resp: 185957
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

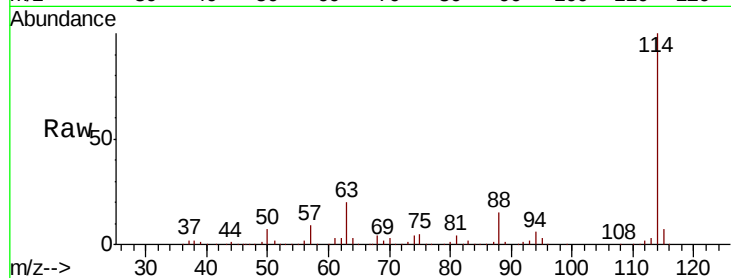




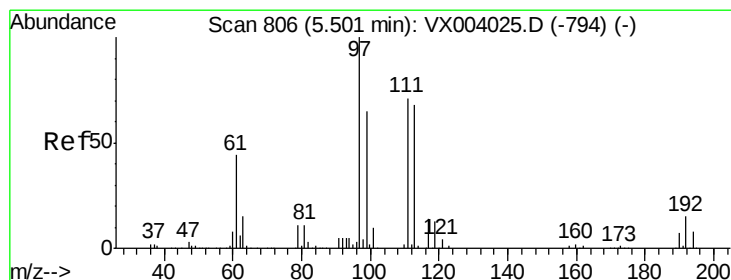
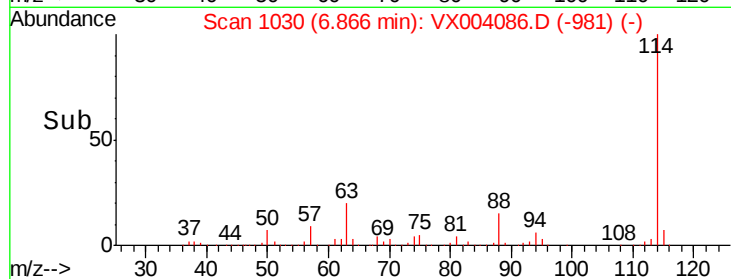
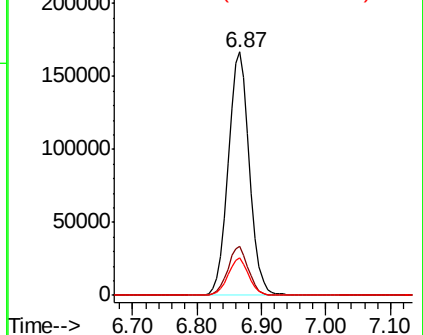
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004086.D
 Acq: 15 Aug 2018 21:21

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-285-SRI3

Tot Ion:114 Resp: 385974
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.3 0.0 32.0

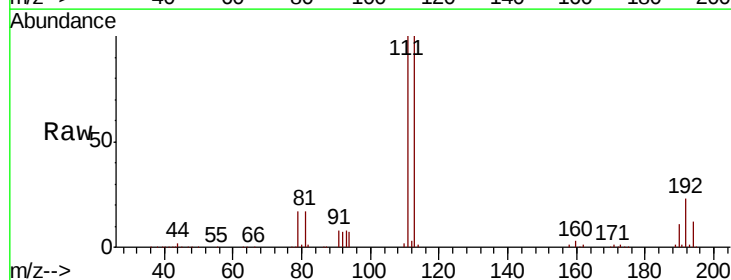


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

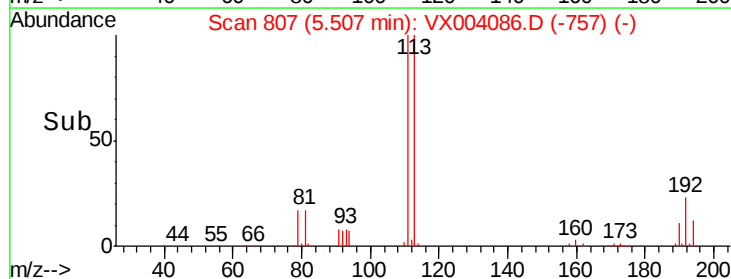
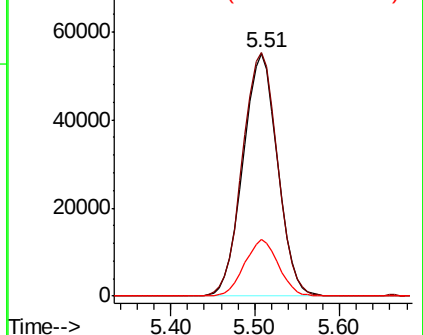


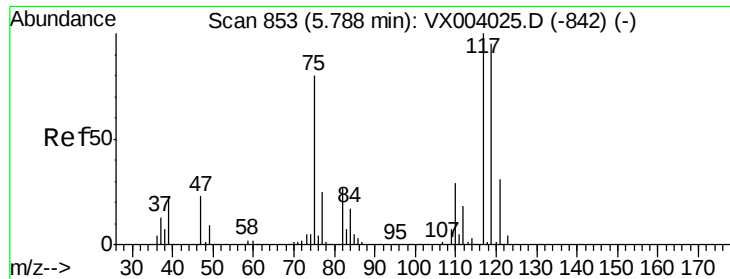
#35
 Dibromofluoromethane
 Concen: 52.91 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004086.D
 Acq: 15 Aug 2018 21:21

Tgt Ion:113 Resp: 152832
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.0 123.0
 192 22.8 19.0 28.4



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





#38

Carbon Tetrachloride

Concen: 0.39 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampleId :

MW-285-SRI3

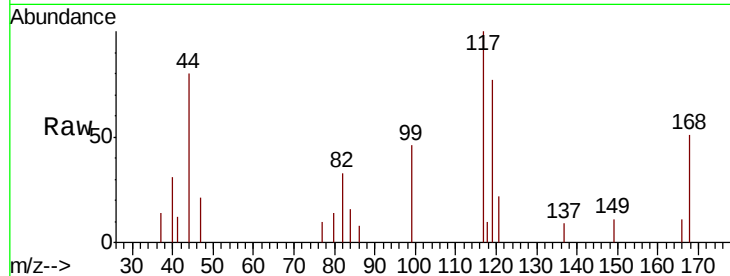
Tot Ion:117 Resp: 1660

Ion Ratio Lower Upper

117 100

119 76.7 79.5 119.3#

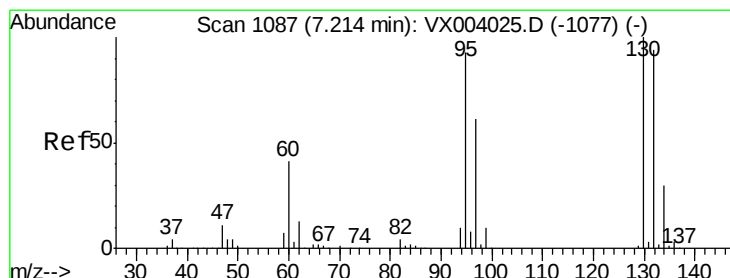
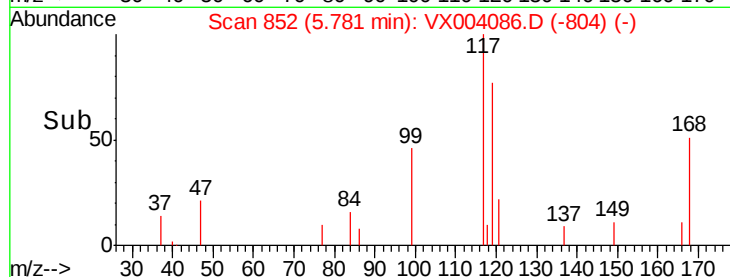
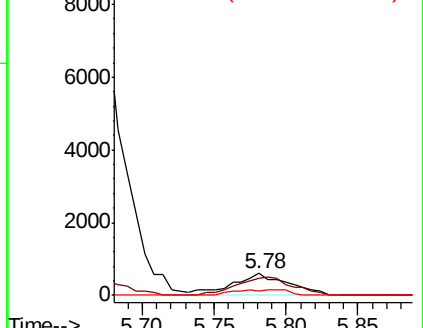
121 21.9 25.0 37.4#



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



#44

Trichloroethene

Concen: 5.21 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX004086.D

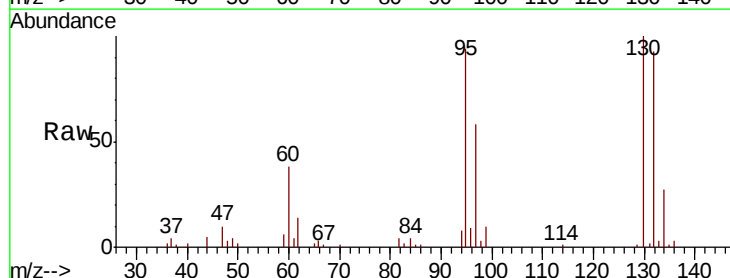
Acq: 15 Aug 2018 21:21

Tgt Ion:130 Resp: 18670

Ion Ratio Lower Upper

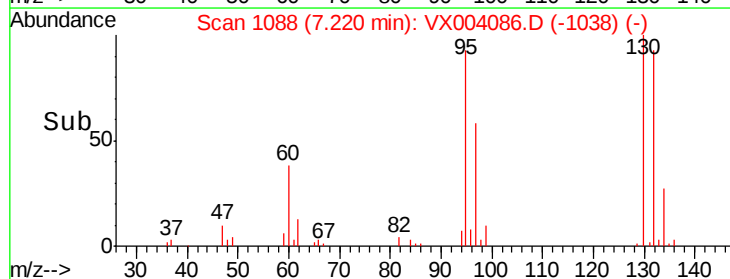
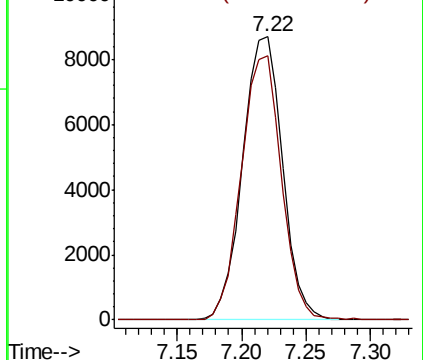
130 100

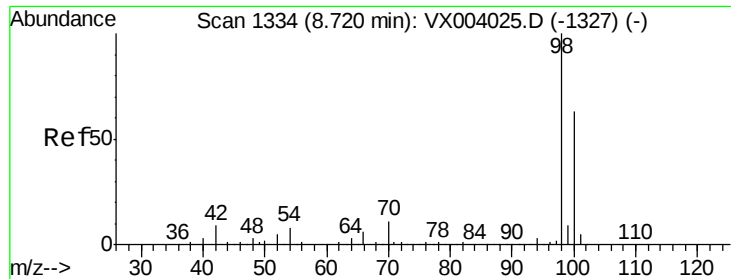
95 93.5 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 47.57 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampleId :

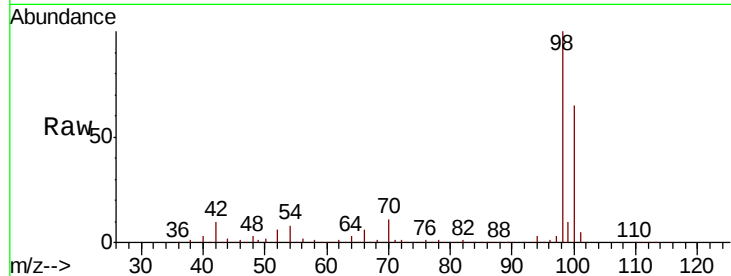
MW-285-SRI3

Tot Ion: 98 Resp: 557104

Ion Ratio Lower Upper

98 100

100 64.9 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

400000

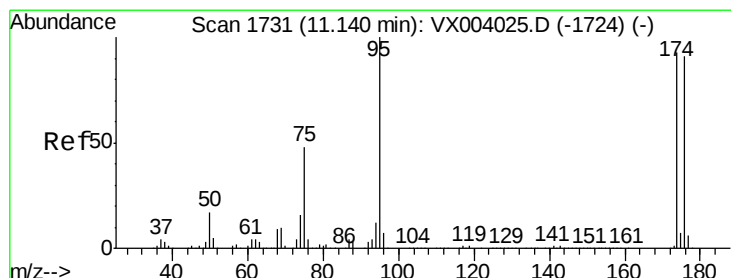
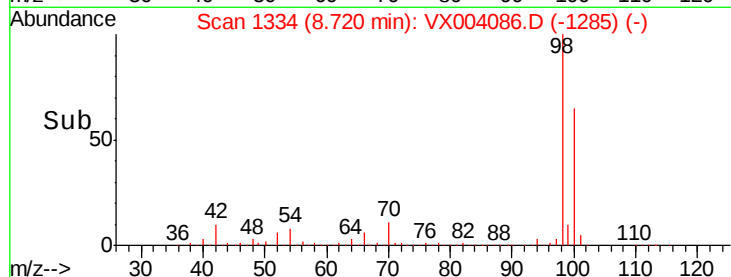
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

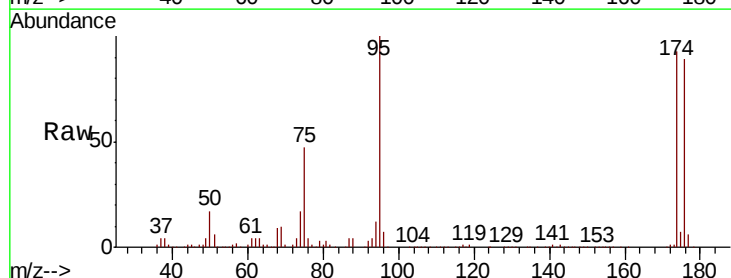
Tgt Ion: 95 Resp: 188985

Ion Ratio Lower Upper

95 100

174 89.9 0.0 182.8

176 87.1 0.0 179.0



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

11.14

200000

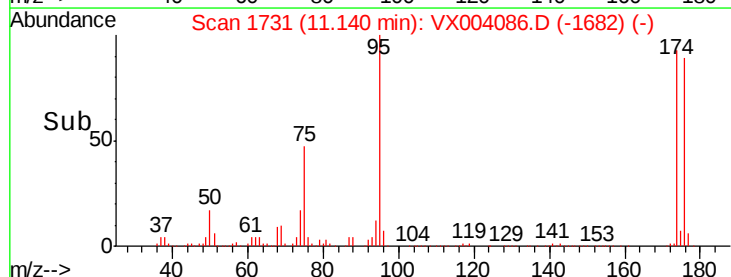
150000

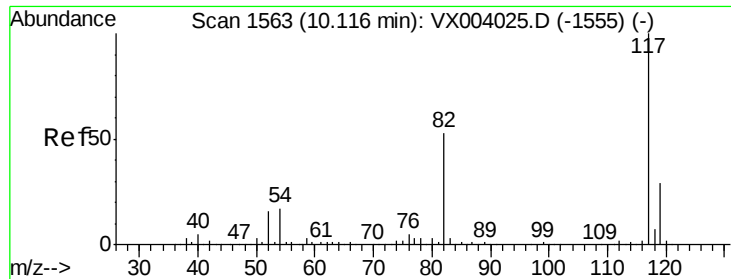
100000

50000

0

Time-->

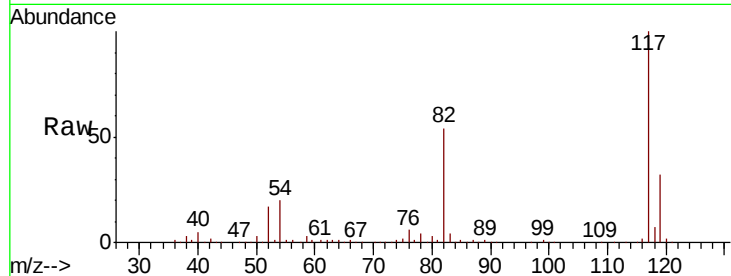




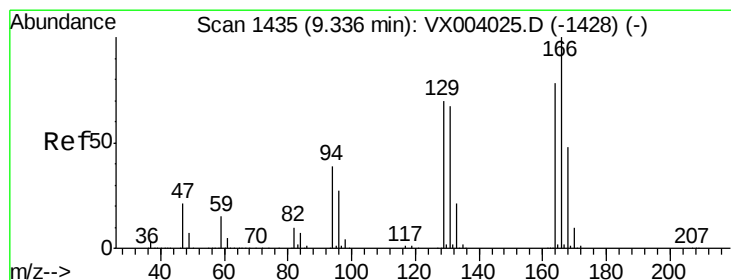
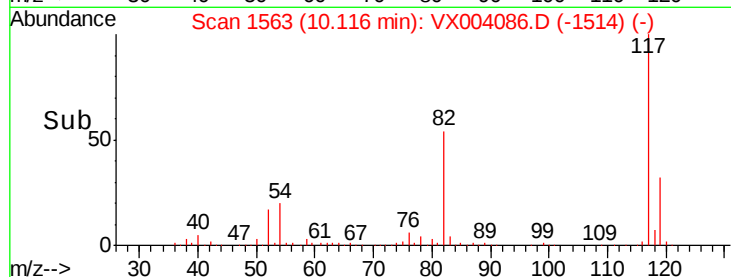
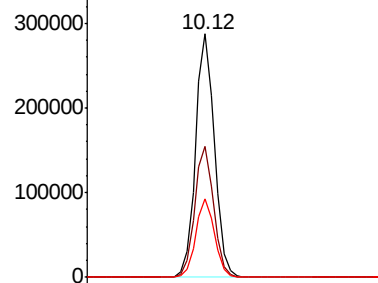
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

Instrument :
MSVOA_X
ClientSampleId :
MW-285-SRI3

Tot Ion:117 Resp: 370774
Ion Ratio Lower Upper
117 100
82 53.8 45.4 68.0
119 32.1 26.6 40.0

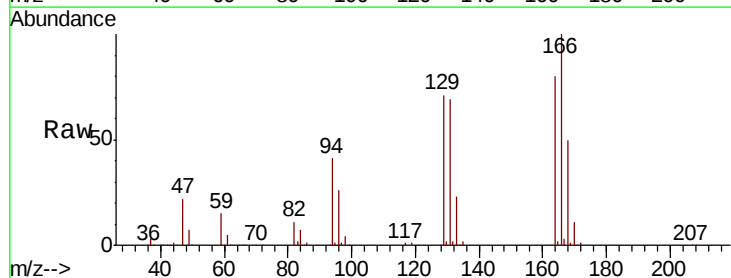


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

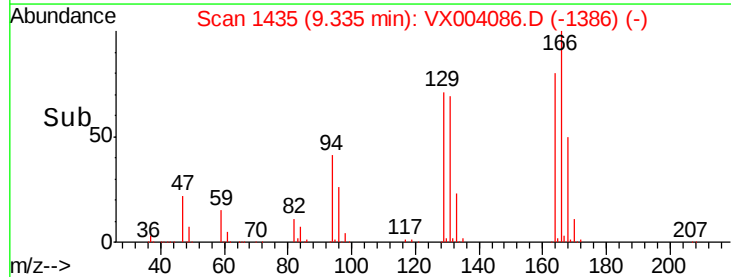
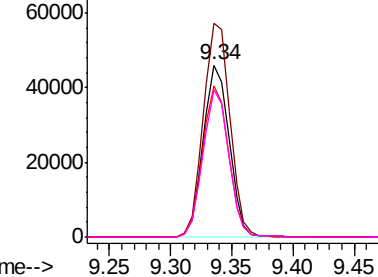


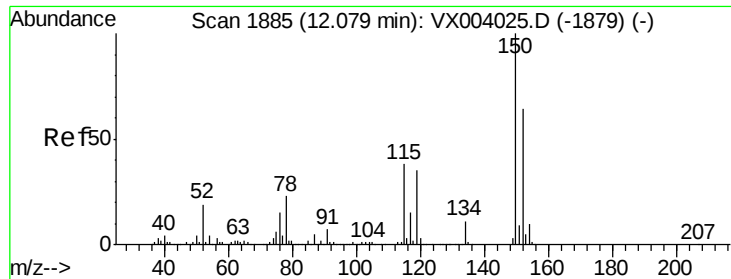
#64
Tetrachloroethene
Concen: 19.11 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

Tgt Ion:164 Resp: 67152
Ion Ratio Lower Upper
164 100
166 124.2 98.0 147.0
129 87.7 64.3 96.5
131 85.6 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VX004086.D
 Acq: 15 Aug 2018 21:21

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-285-SRI3

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	39.1	117.3
150	156.8	0.0	349.2

