

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004040.D
 Acq On : 14 Aug 2018 19:30
 Operator : JC/MD
 Sample : J4438-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-291-SRI3

Quant Time: Aug 15 15:45:56 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	261905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	414600	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	394859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209568	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	192106	52.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.12%	
35) Dibromofluoromethane	5.50	113	164337	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.92%	
50) Toluene-d8	8.72	98	593856	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.14	95	204630	44.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.70%	

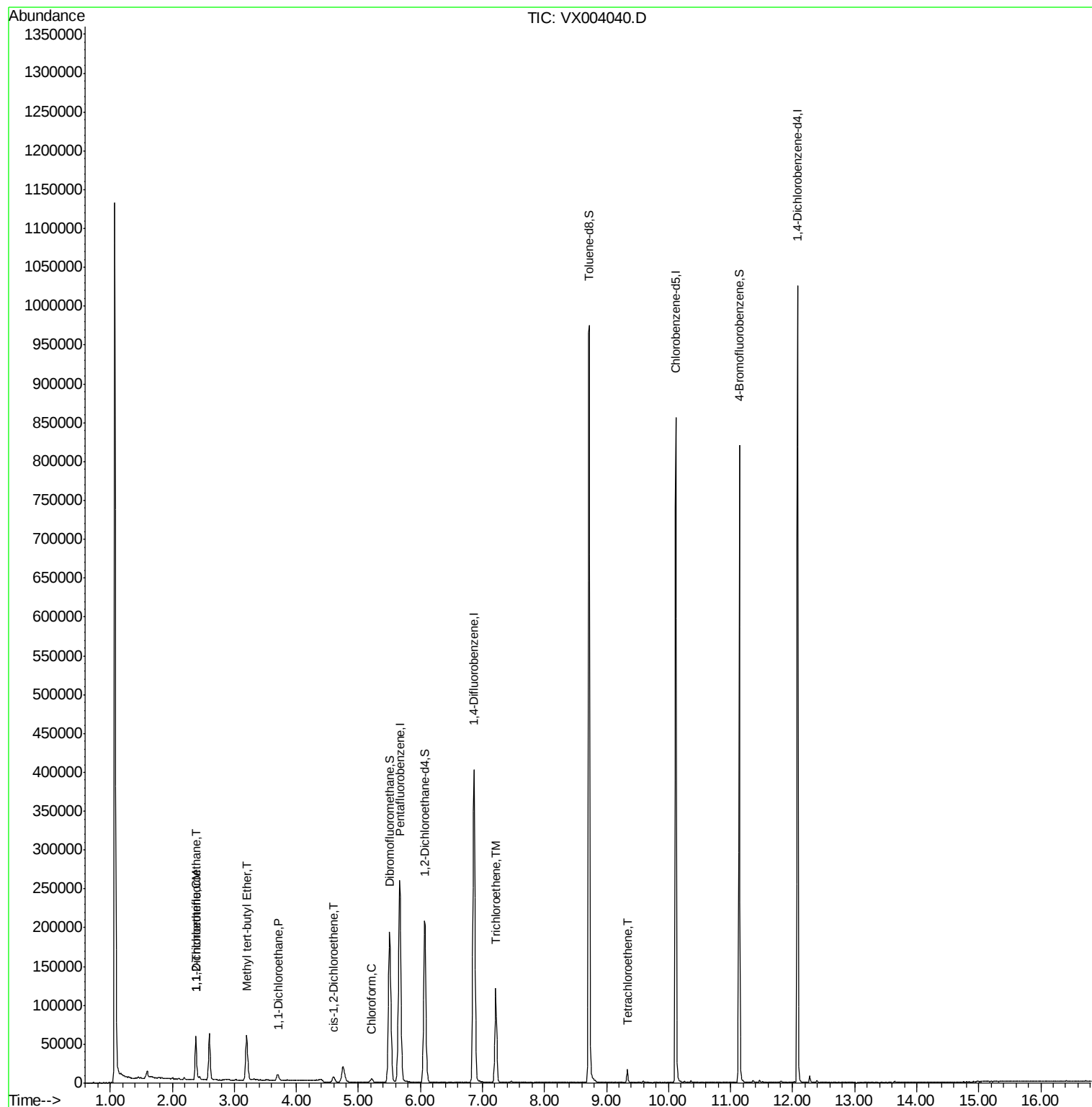
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4878	1.65	ug/l	98
12) 1,1-Dichloroethene	2.38	96	16201	5.88	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	65429	6.74	ug/l	97
24) 1,1-Dichloroethane	3.70	63	8775	1.51	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	4034	1.15	ug/l	89
30) Chloroform	5.21	83	5250	0.92	ug/l	97
44) Trichloroethene	7.21	130	48065	12.50	ug/l	92
64) Tetrachloroethene	9.34	164	3261	0.87	ug/l	94

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

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Quant Time: Aug 15 15:45:56 2018
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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: VX004040.D

Acq: 14 Aug 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

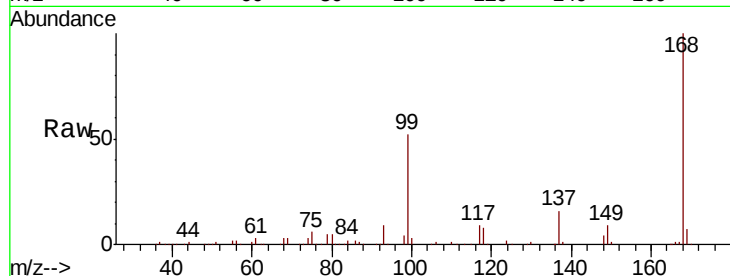
MW-291-SRI3

Tot Ion:168 Resp: 261905

Ion Ratio Lower Upper

168 100

99 51.5 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

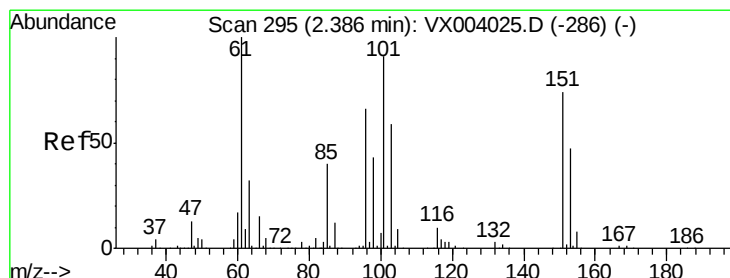
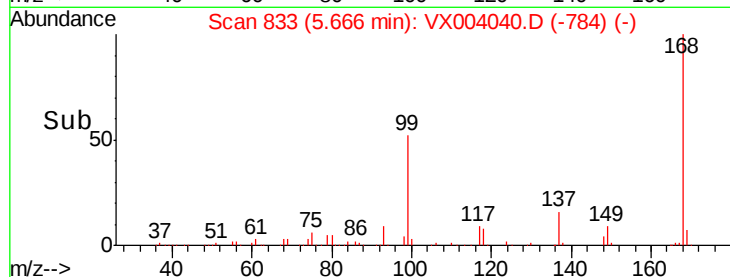
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.65 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004040.D

Acq: 14 Aug 2018 19:30

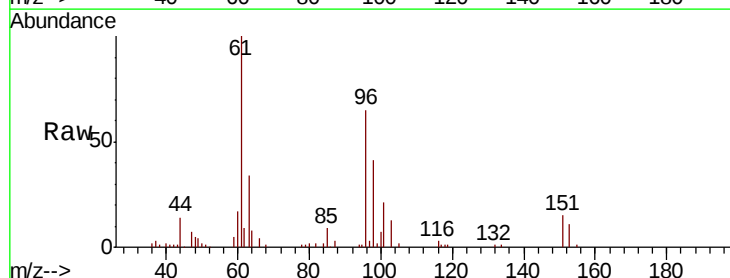
Tgt Ion:101 Resp: 4878

Ion Ratio Lower Upper

101 100

85 43.7 34.2 51.4

151 79.7 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

2.39

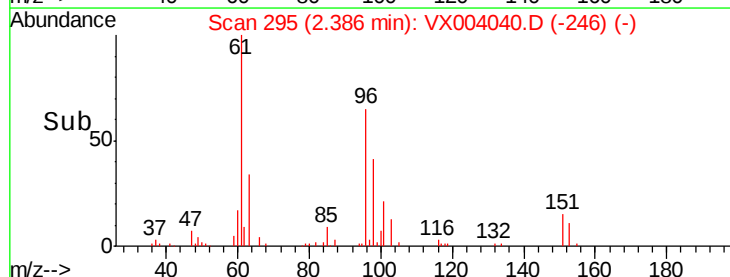
3000

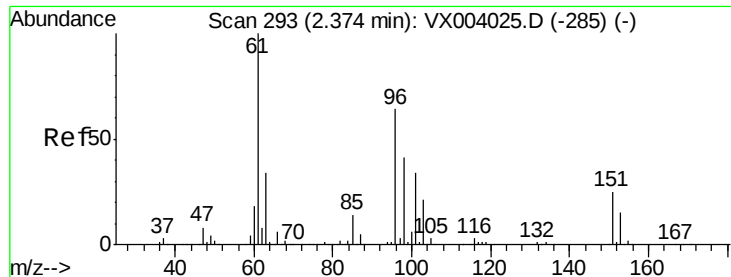
2000

1000

0

Time--> 2.30 2.35 2.40 2.45





#12

1,1-Dichloroethene

Concen: 5.88 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX004040.D

Acq: 14 Aug 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

MW-291-SRI3

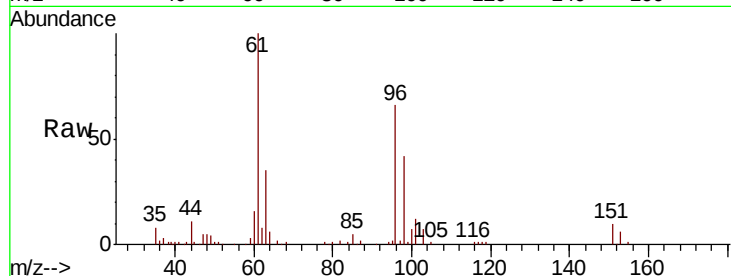
Tot Ion: 96 Resp: 16201

Ion Ratio Lower Upper

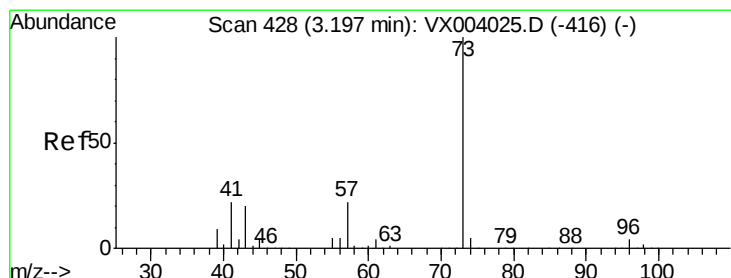
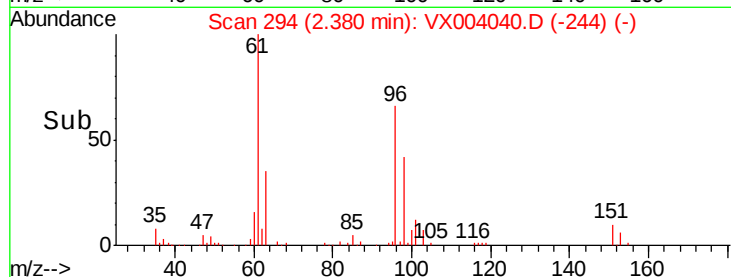
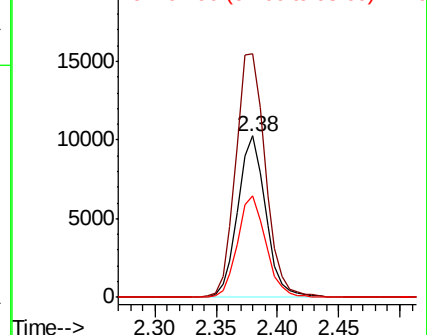
96 100

61 150.9 131.3 196.9

98 63.0 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: 6.74 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.00 min

Lab File: VX004040.D

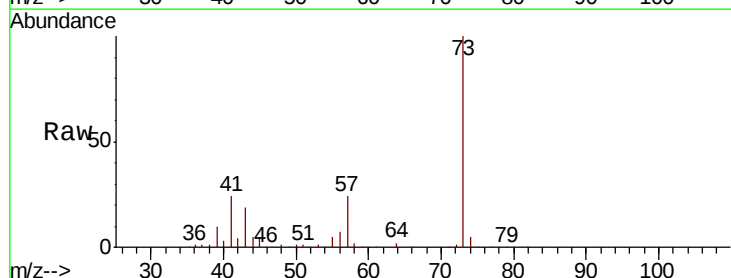
Acq: 14 Aug 2018 19:30

Tgt Ion: 73 Resp: 65429

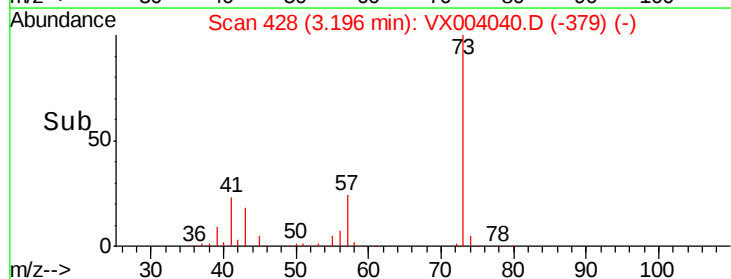
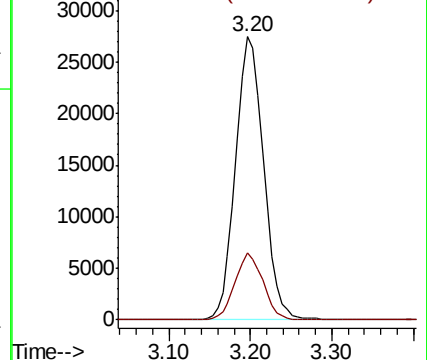
Ion Ratio Lower Upper

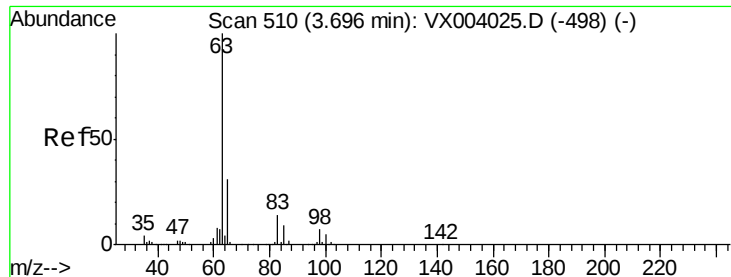
73 100

57 23.8 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: 1.51 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004040.D

Acq: 14 Aug 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

MW-291-SRI3

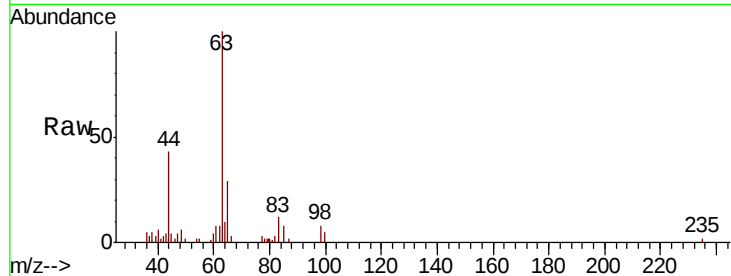
Tot Ion: 63 Resp: 8775

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

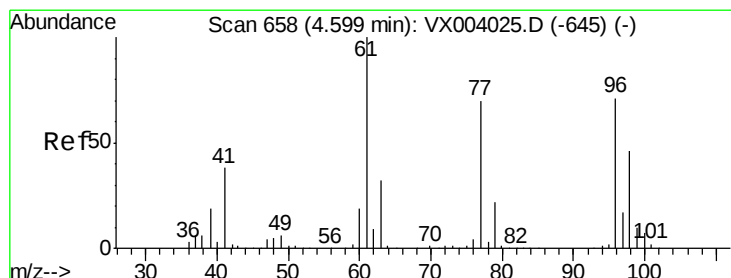
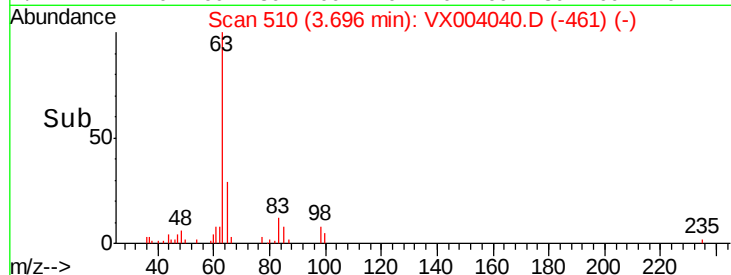
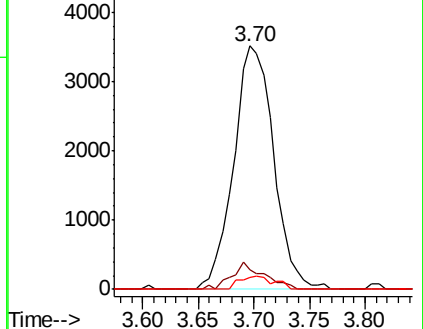
100 4.9 2.3 6.8



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: 1.15 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004040.D

Acq: 14 Aug 2018 19:30

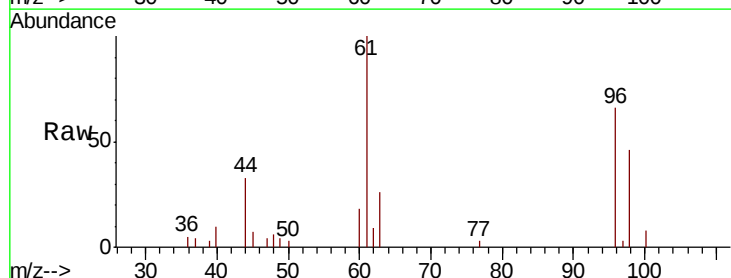
Tgt Ion: 96 Resp: 4034

Ion Ratio Lower Upper

96 100

61 166.5 0.0 293.0

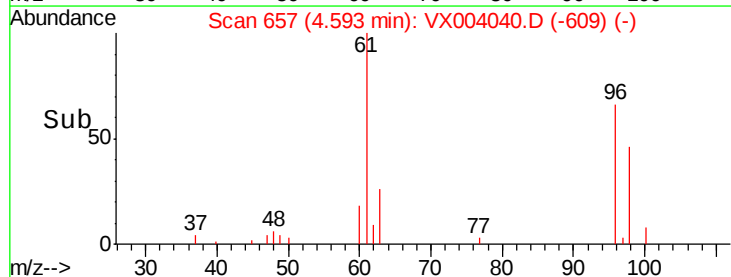
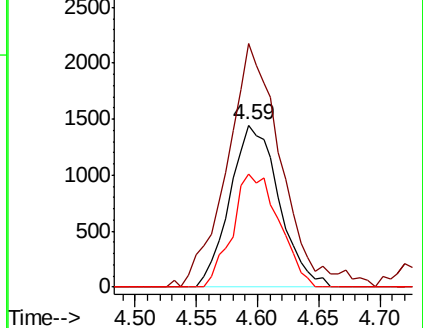
98 66.5 0.0 131.8

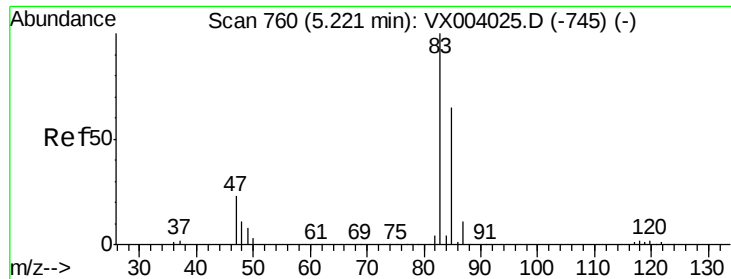


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

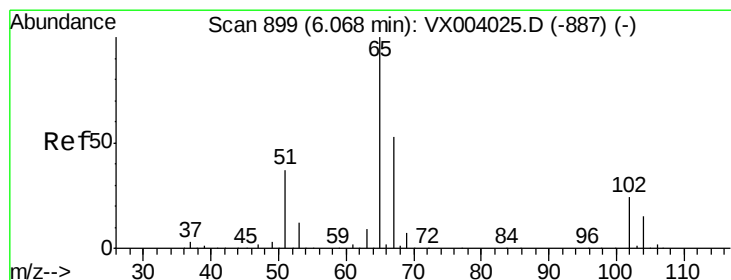
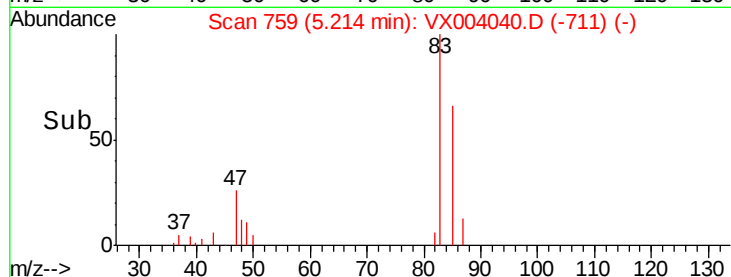
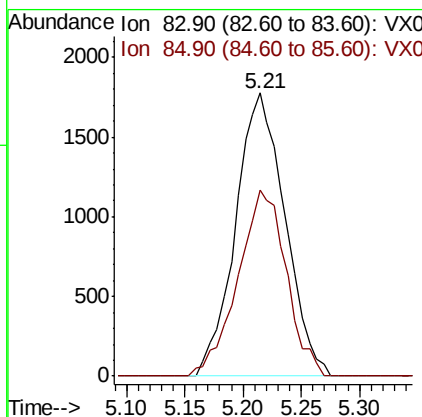
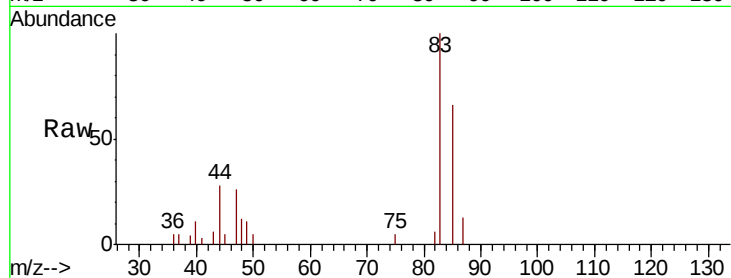




#30
Chloroform
Concen: 0.92 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004040.D
Acq: 14 Aug 2018 19:30

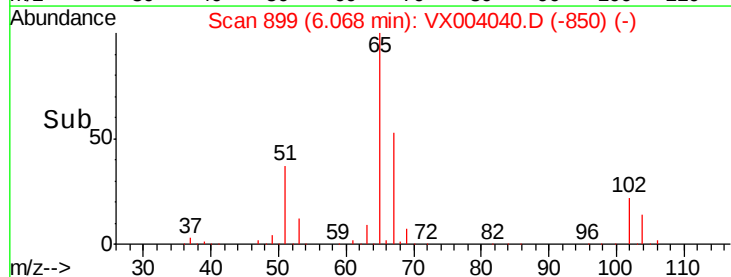
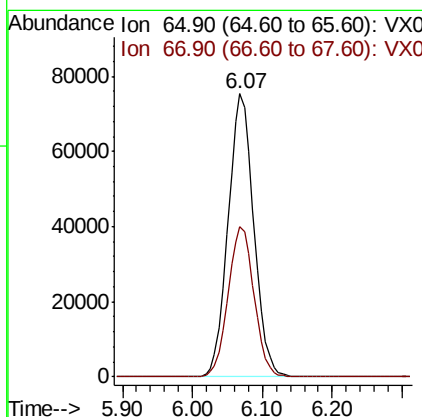
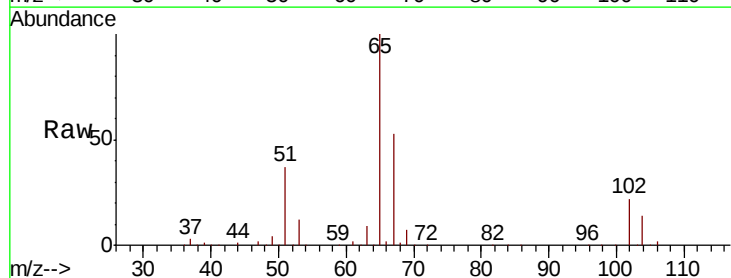
Instrument :
MSVOA_X
ClientSampleId :
MW-291-SRI3

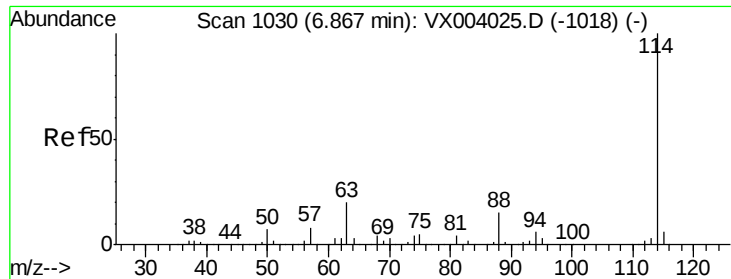
Tot Ion: 83 Resp: 5250
Ion Ratio Lower Upper
83 100
85 65.9 50.7 76.1



#33
1,2-Dichloroethane-d4
Concen: 52.06 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004040.D
Acq: 14 Aug 2018 19:30

Tgt Ion: 65 Resp: 192106
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

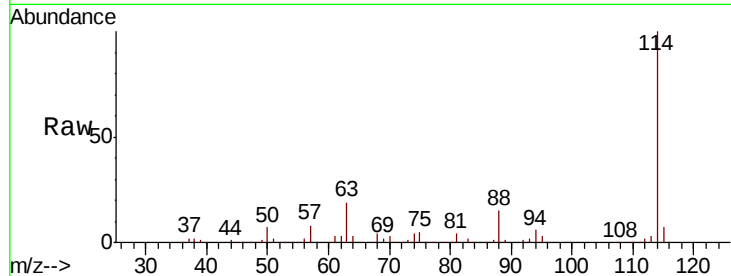




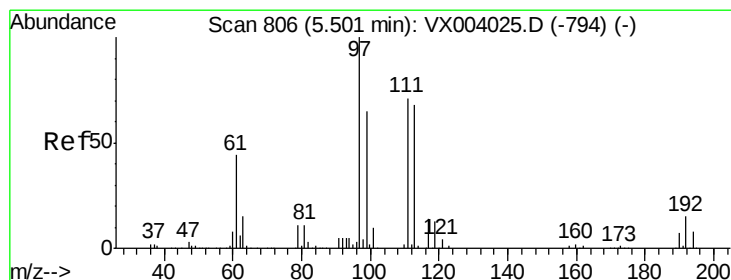
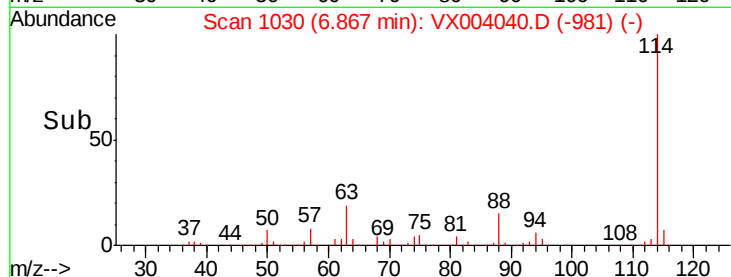
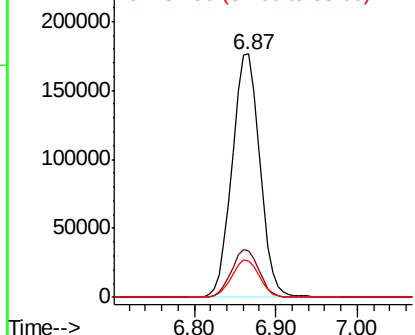
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004040.D
 Acq: 14 Aug 2018 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-291-SRI3

Tot Ion:114 Resp: 414600
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 14.9 0.0 32.0

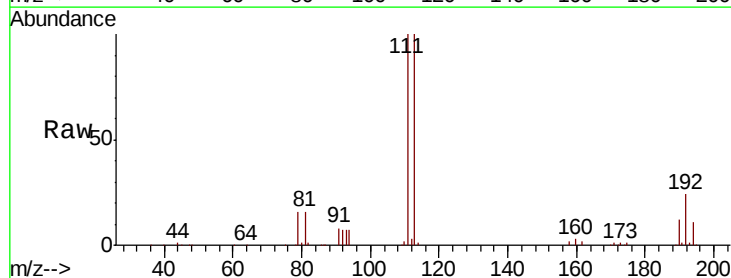


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

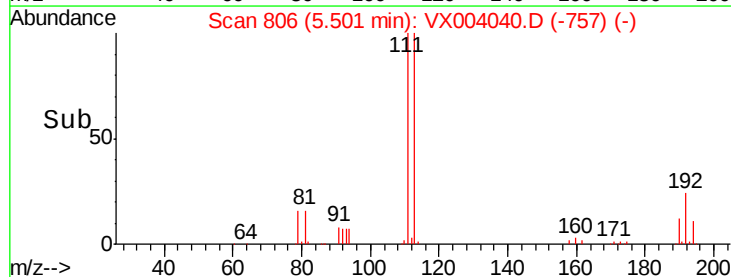
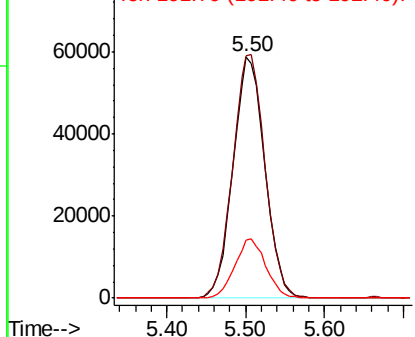


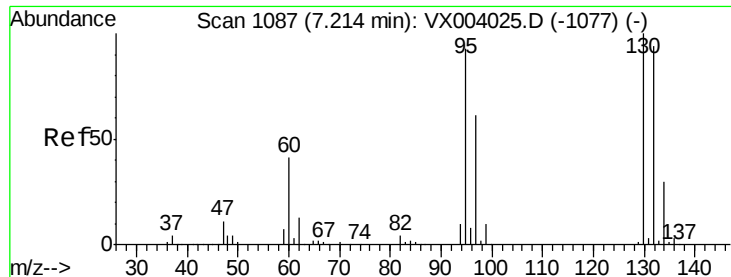
#35
 Dibromofluoromethane
 Concen: 52.96 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004040.D
 Acq: 14 Aug 2018 19:30

Tgt Ion:113 Resp: 164337
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.0 123.0
 192 24.0 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





#44

Trichloroethene

Concen: 12.50 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004040.D

Acq: 14 Aug 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

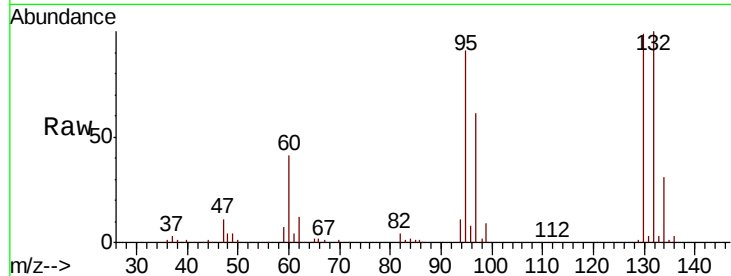
MW-291-SRI3

Tot Ion:130 Resp: 48065

Ion Ratio Lower Upper

130 100

95 91.9 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

25000

20000

15000

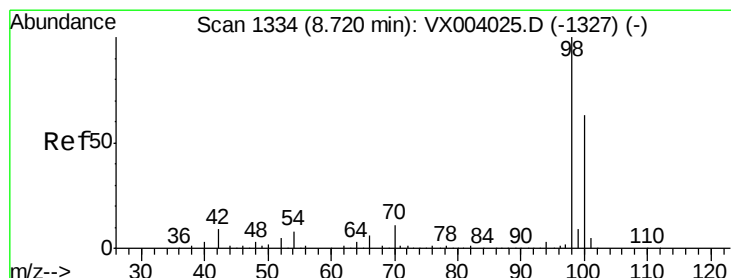
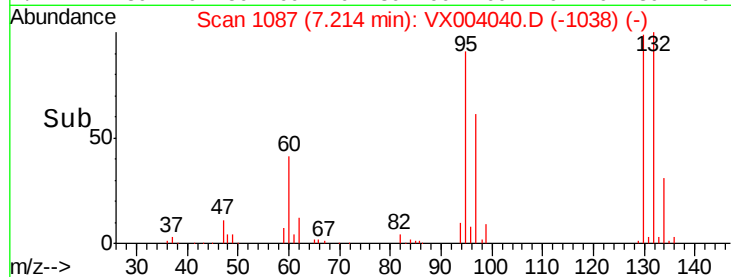
10000

5000

0

Time-->

7.10 7.15 7.20 7.25 7.30



#50

Toluene-d8

Concen: 47.20 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004040.D

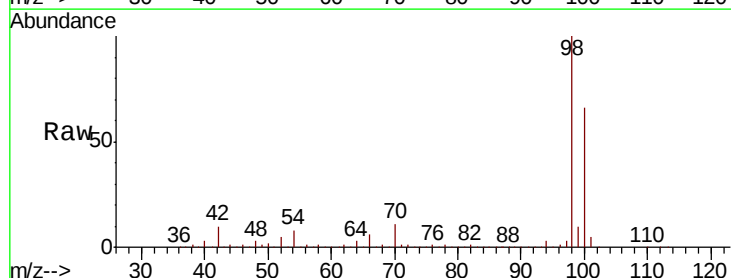
Acq: 14 Aug 2018 19:30

Tgt Ion: 98 Resp: 593856

Ion Ratio Lower Upper

98 100

100 65.9 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

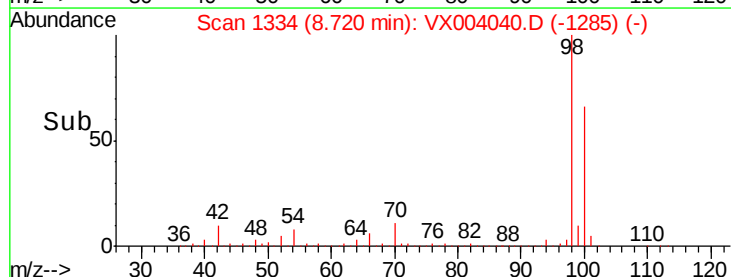
200000

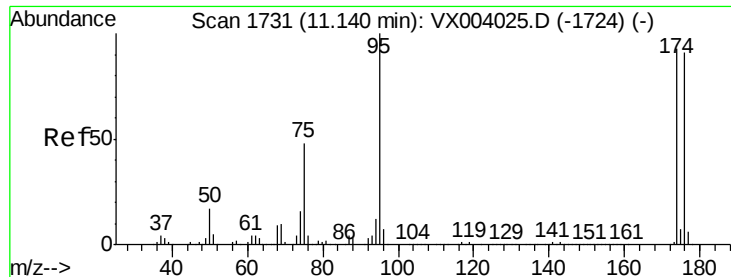
100000

0

Time-->

8.60 8.70 8.80 8.90

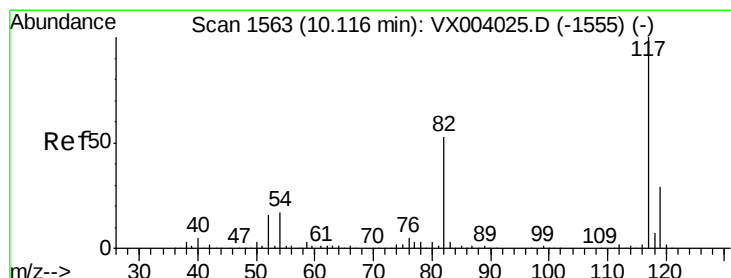
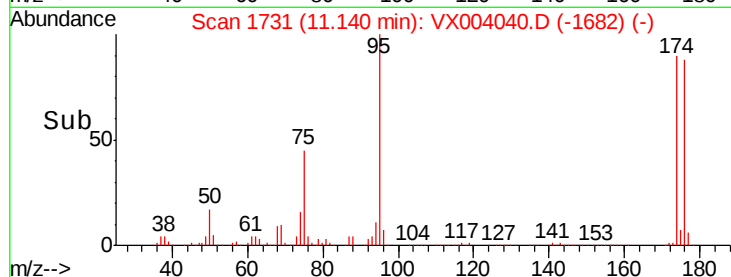
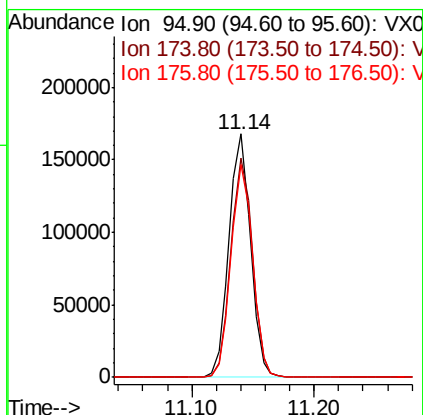
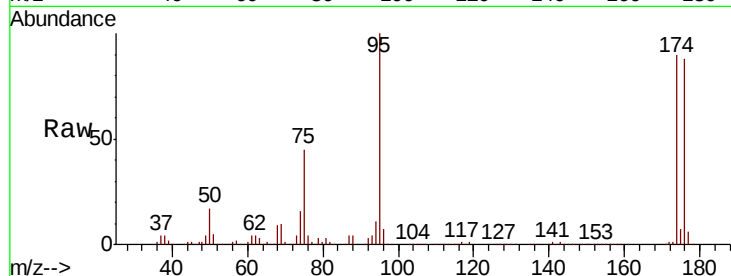




#62
4-Bromofluorobenzene
Concen: 44.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004040.D
Acq: 14 Aug 2018 19:30

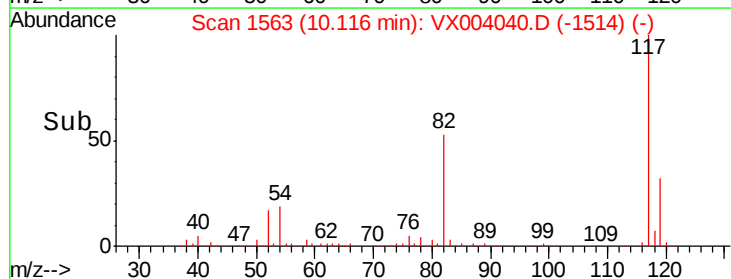
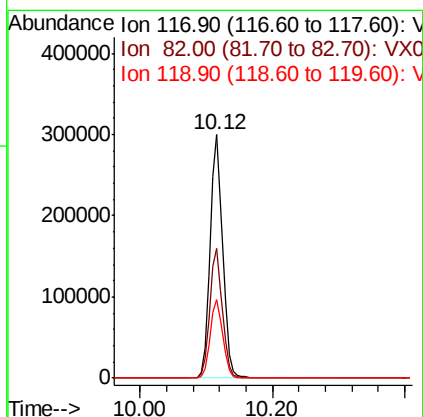
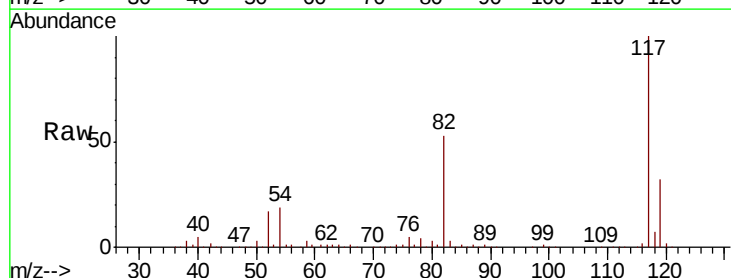
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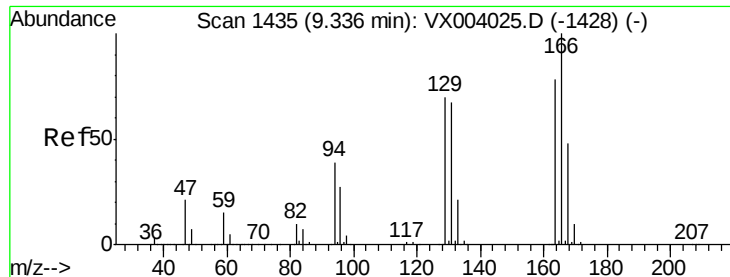
Tot Ion: 95 Resp: 204630
Ion Ratio Lower Upper
95 100
174 91.0 0.0 182.8
176 87.9 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004040.D
Acq: 14 Aug 2018 19:30

Tgt Ion: 117 Resp: 394859
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.0
119 32.3 26.6 40.0





#64

Tetrachloroethene

Concen: 0.87 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004040.D

Acq: 14 Aug 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

MW-291-SRI3

Tot Ion:164 Resp: 3261

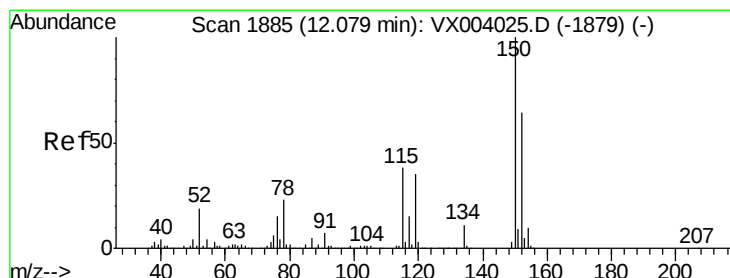
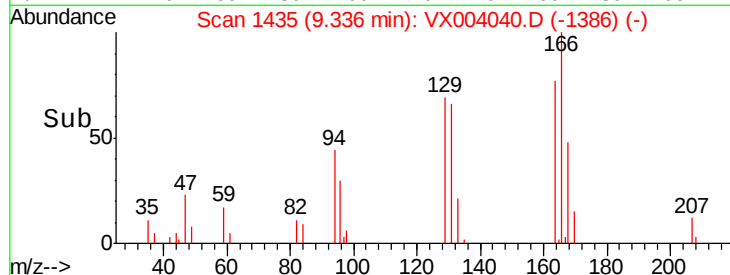
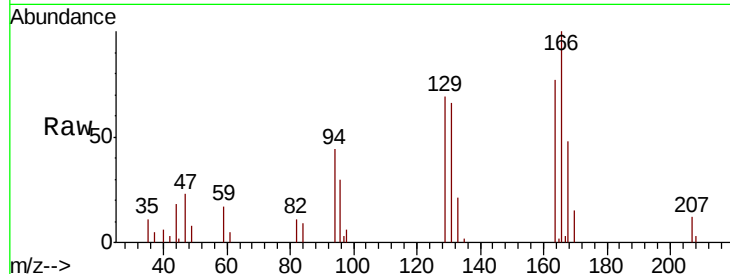
Ion Ratio Lower Upper

164 100

166 129.1 98.0 147.0

129 89.1 64.3 96.5

131 84.8 66.8 100.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004040.D

Acq: 14 Aug 2018 19:30

Tgt Ion:152 Resp: 209568

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.3

150 156.1 0.0 349.2

