

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055825.D
 Acq On : 25 May 2019 4:14
 Operator : JC/SP
 Sample : K3037-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW5-R1-1

Quant Time: May 26 23:14:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

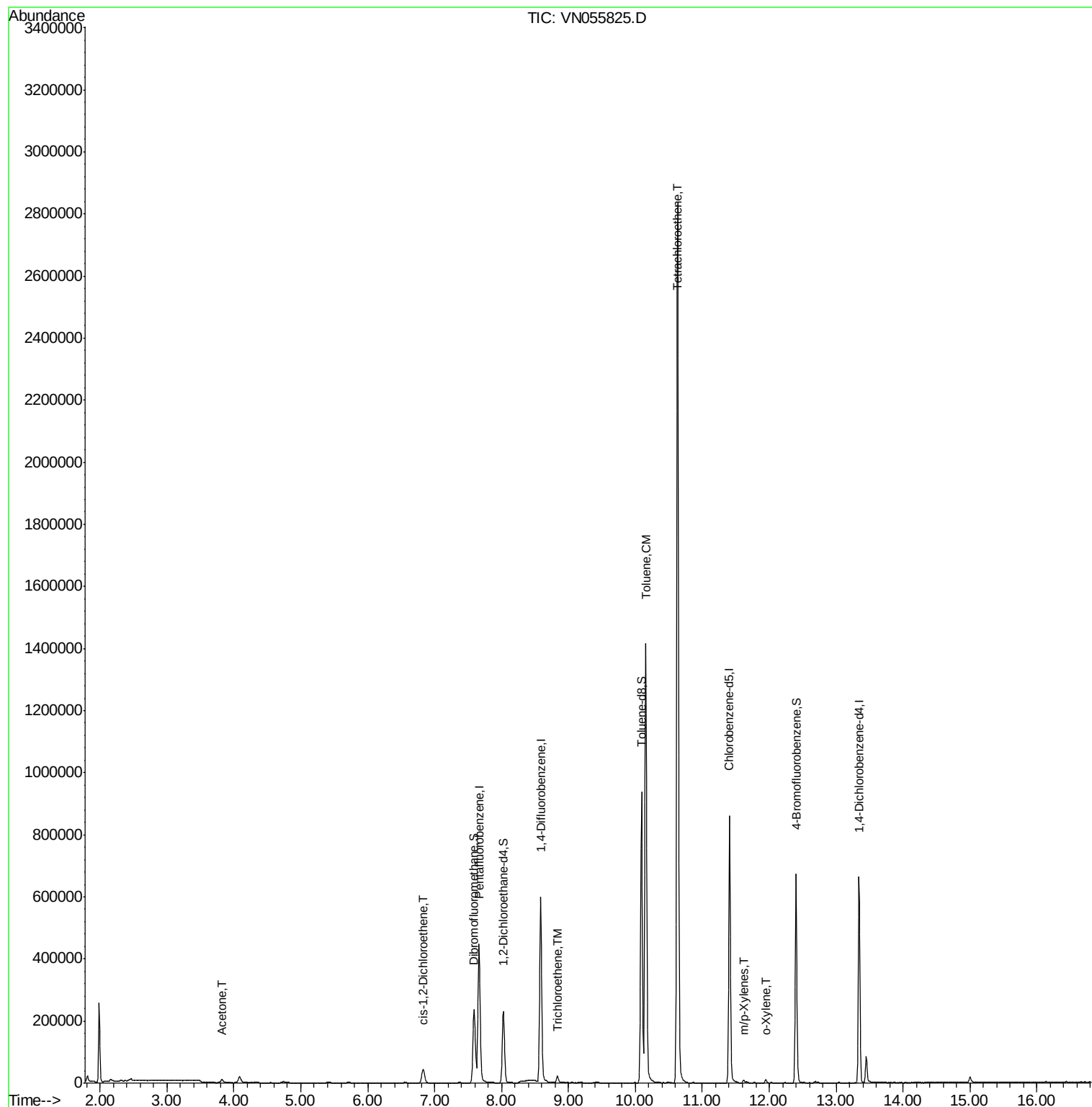
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	429646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	602544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202042	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	197554	44.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.04%	
35) Dibromofluoromethane	7.59	113	182059	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.58%	
50) Toluene-d8	10.09	98	711395	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.40	95	234930	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.78%	
Target Compounds						
16) Acetone	3.82	43	17649	9.049	ug/l	92
27) cis-1,2-Dichloroethene	6.83	96	30245	6.604	ug/l	90
44) Trichloroethene	8.83	130	9256	2.098	ug/l	97
52) Toluene	10.16	92	672455	67.563	ug/l	99
64) Tetrachloroethene	10.63	164	765089	165.825	ug/l	99
68) m/p-Xylenes	11.62	106	3498	0.471	ug/l	88
69) o-Xylene	11.95	106	2990	0.406	ug/l	100

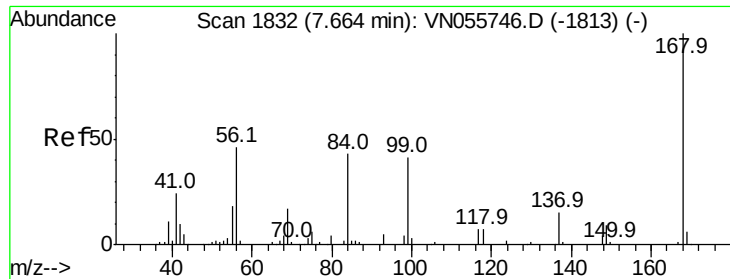
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055825.D

Acq: 25 May 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

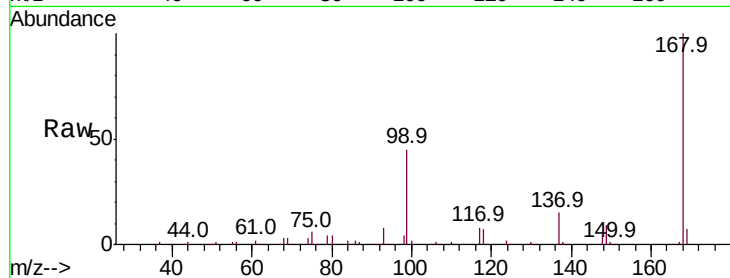
MW5-R1-1

Tot Ion:168 Resp: 429646

Ion Ratio Lower Upper

168 100

99 45.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

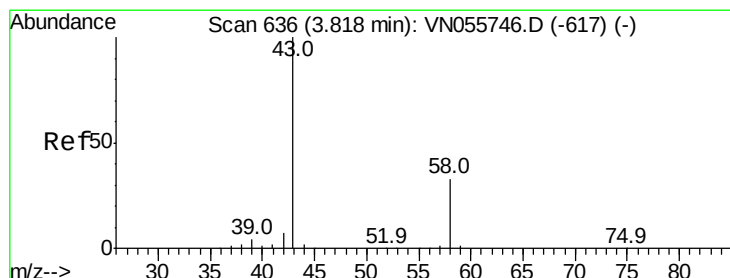
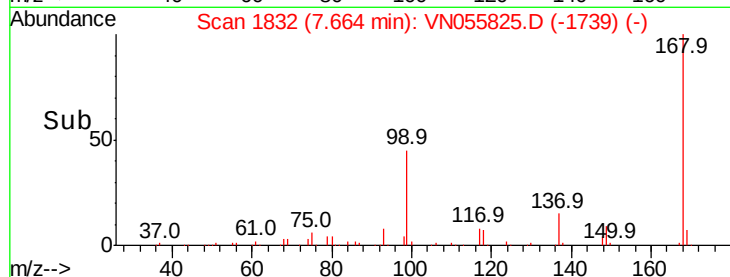
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 9.049 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055825.D

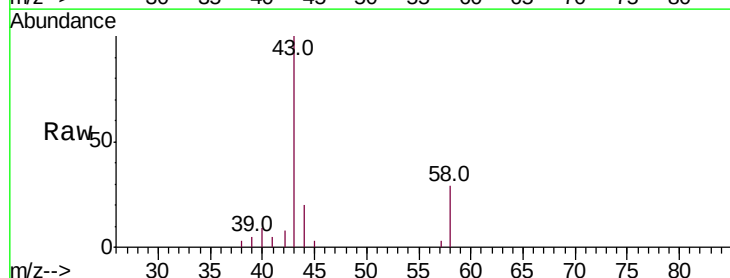
Acq: 25 May 2019 4:14

Tgt Ion: 43 Resp: 17649

Ion Ratio Lower Upper

43 100

58 28.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

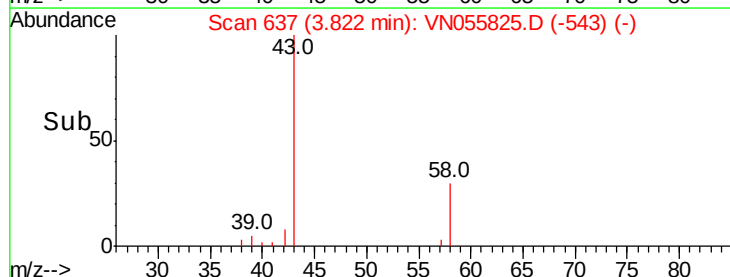
6000

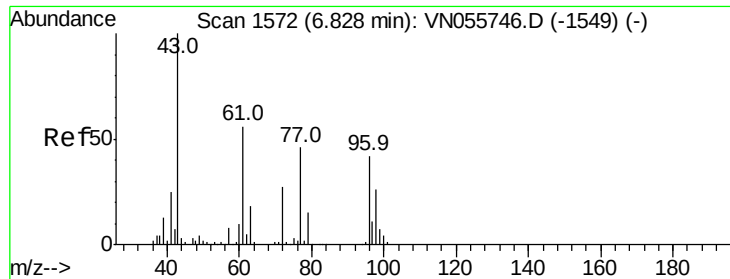
4000

2000

0

Time--> 3.70 3.80 3.90





#27

cis-1,2-Dichloroethene

Concen: 6.604 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055825.D

Acq: 25 May 2019 4:14

Instrument :

MSVOA_N

ClientSampled :

MW5-R1-1

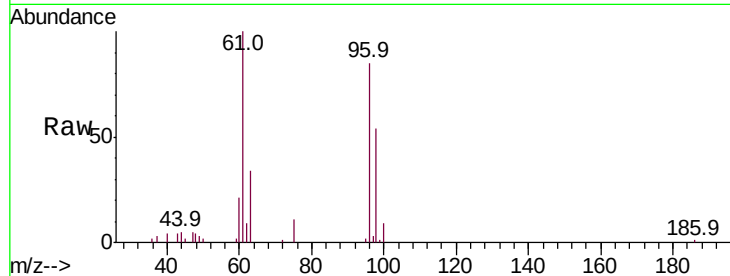
Tot Ion: 96 Resp: 30245

Ion Ratio Lower Upper

96 100

61 120.2 0.0 275.8

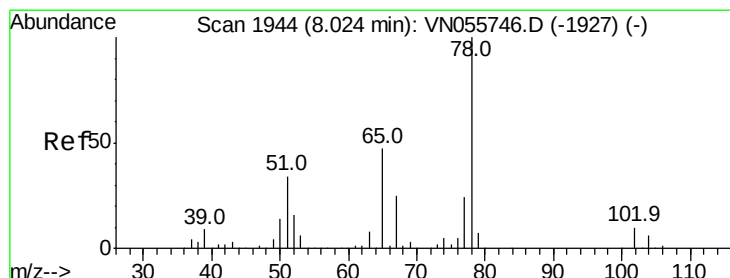
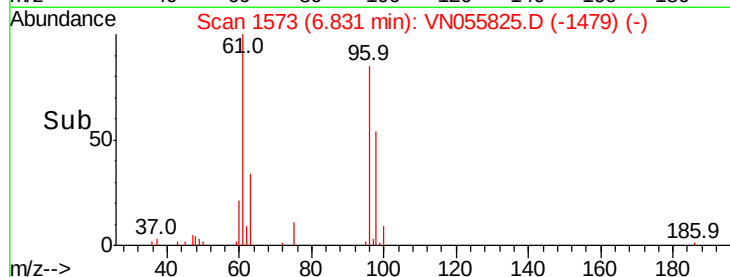
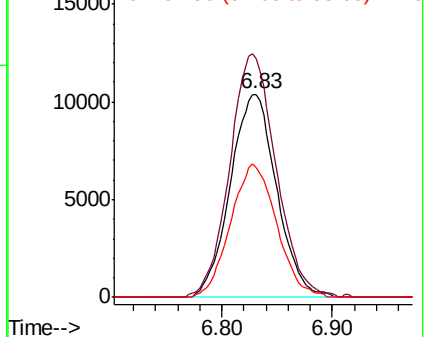
98 65.2 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 44.524 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055825.D

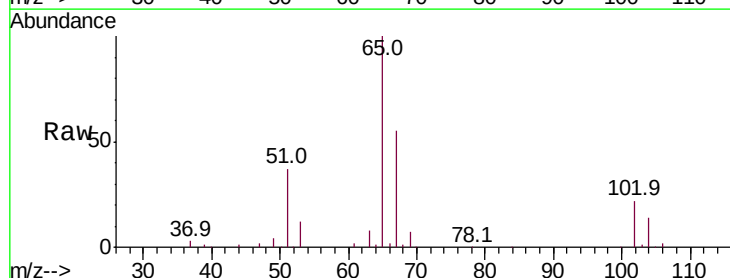
Acq: 25 May 2019 4:14

Tgt Ion: 65 Resp: 197554

Ion Ratio Lower Upper

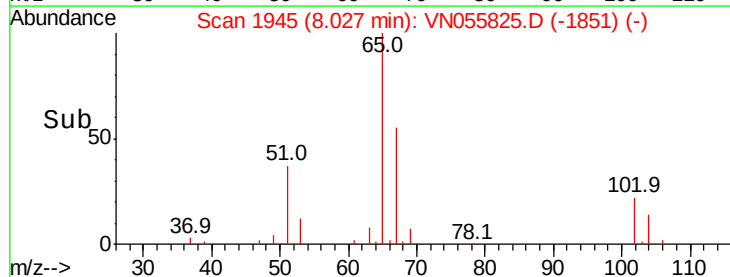
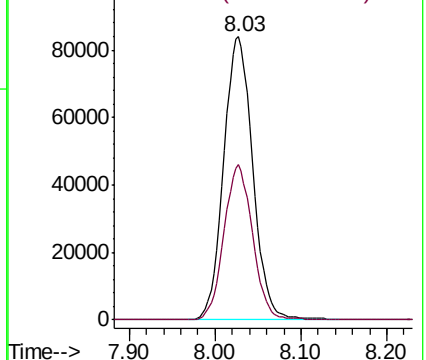
65 100

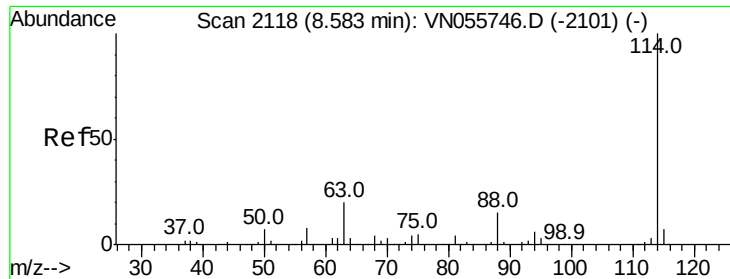
67 53.9 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

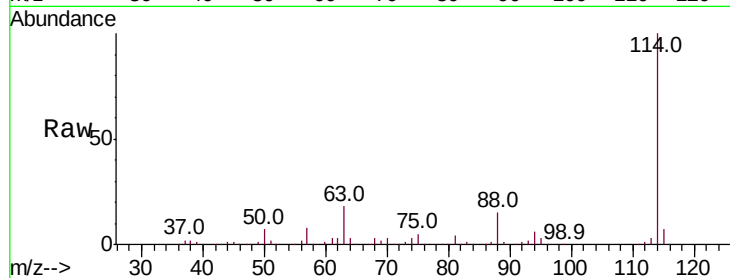




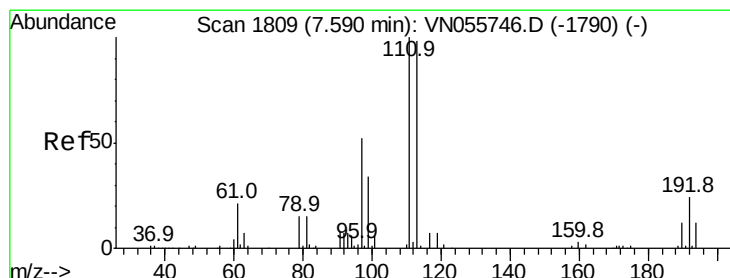
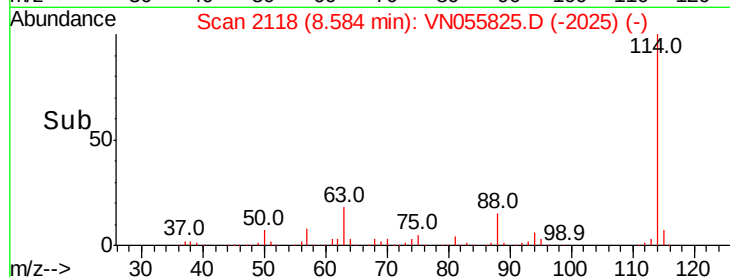
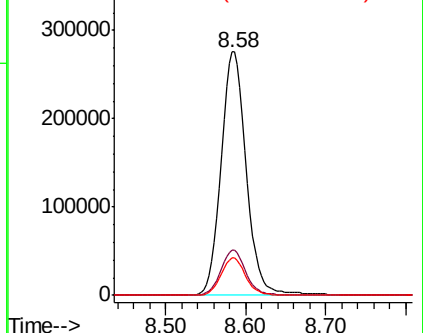
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055825.D
 Acq: 25 May 2019 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW5-R1-1

Tot Ion:114 Resp: 602544
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.2
 88 15.3 0.0 31.0

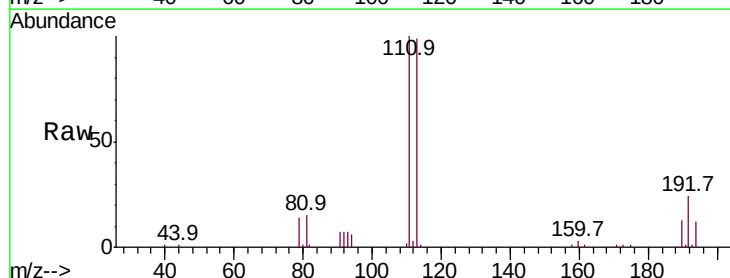


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

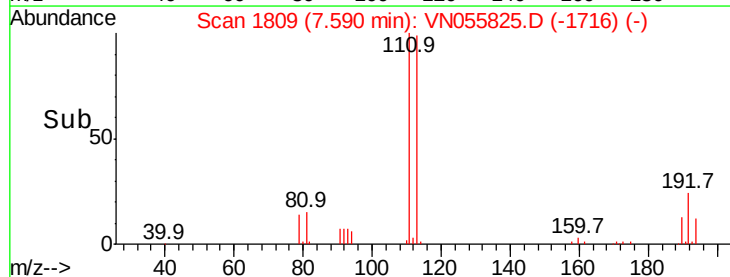
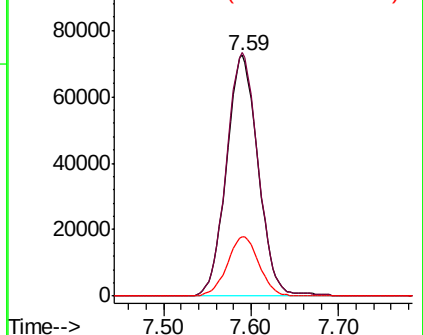


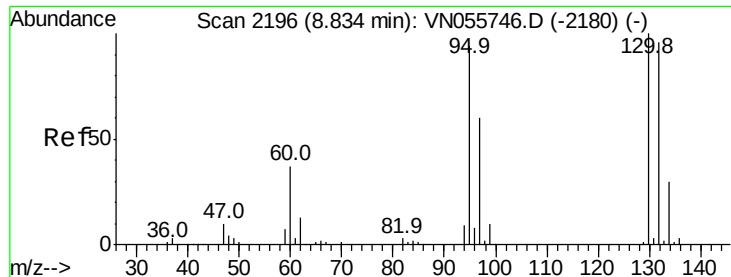
#35
 Dibromofluoromethane
 Concen: 47.791 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055825.D
 Acq: 25 May 2019 4:14

Tgt Ion:113 Resp: 182059
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.9 122.9
 192 24.6 19.5 29.3



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: 2.098 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055825.D

Acq: 25 May 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

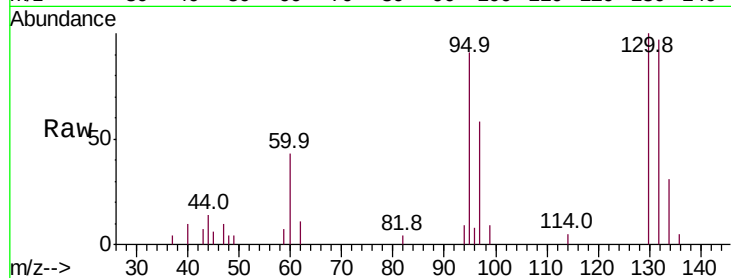
MW5-R1-1

Tot Ion:130 Resp: 9256

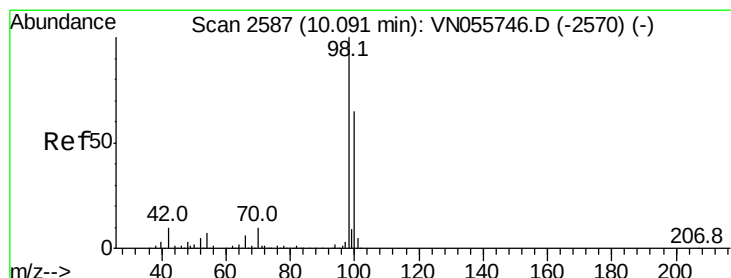
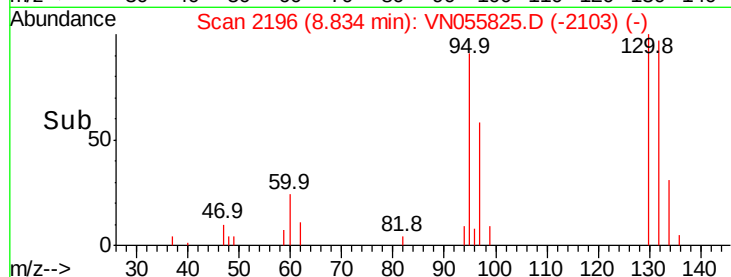
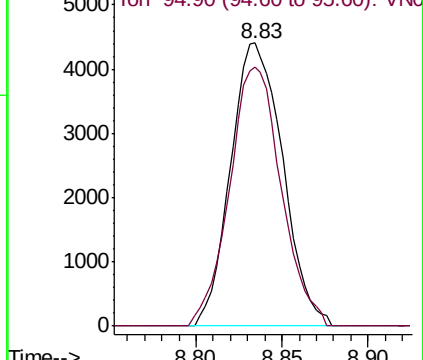
Ion Ratio Lower Upper

130 100

95 91.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)



#50

Toluene-d8

Concen: 48.683 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055825.D

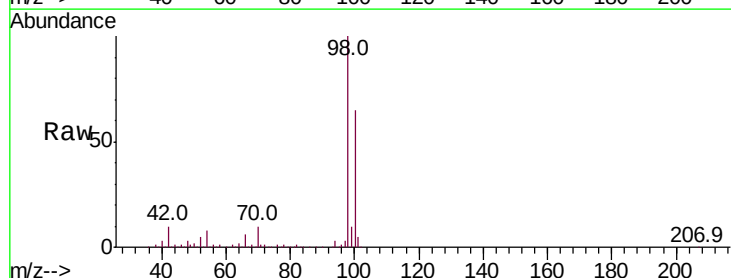
Acq: 25 May 2019 4:14

Tgt Ion: 98 Resp: 711395

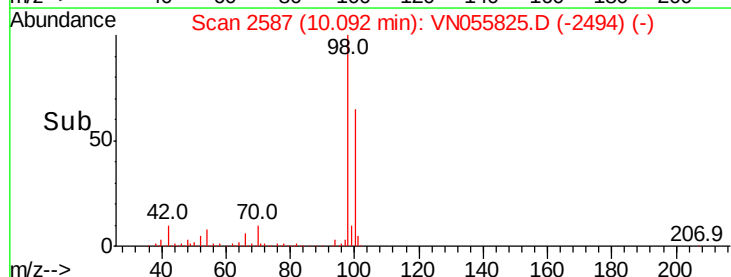
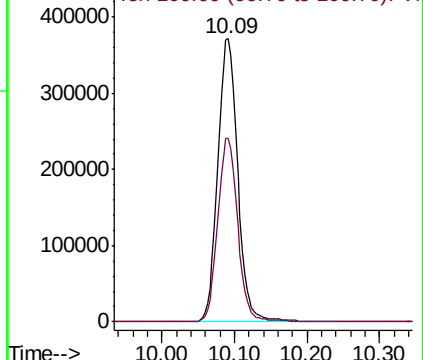
Ion Ratio Lower Upper

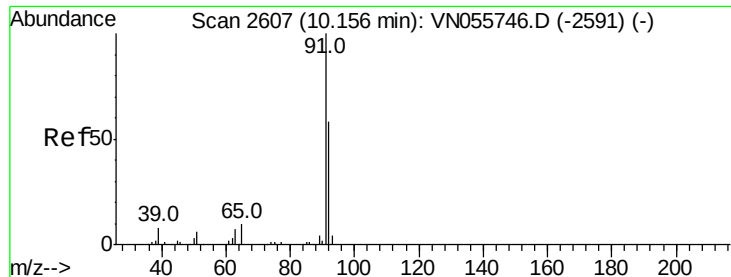
98 100

100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)





#52

Toluene

Concen: 67.563 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055825.D

Acq: 25 May 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

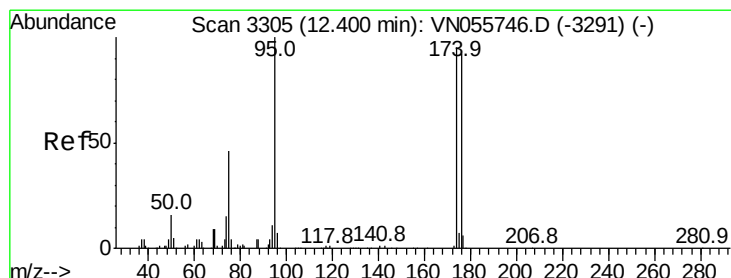
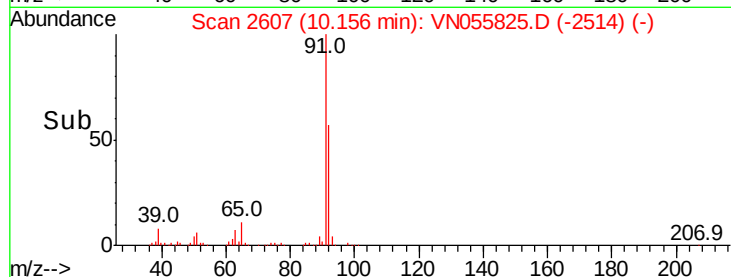
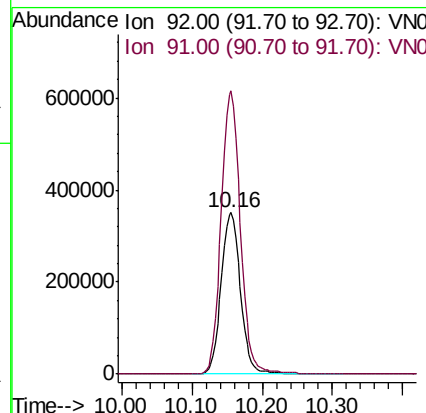
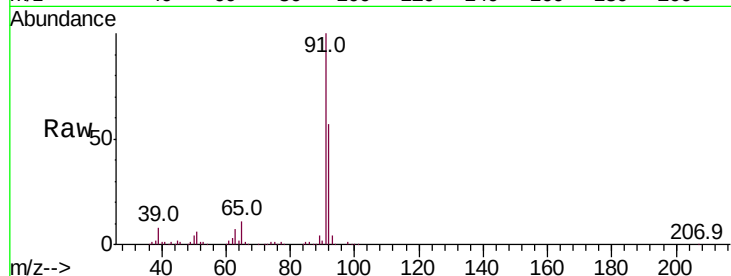
MW5-R1-1

Tot Ion: 92 Resp: 672455

Ion Ratio Lower Upper

92 100

91 175.1 139.4 209.2



#62

4-Bromofluorobenzene

Concen: 46.887 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055825.D

Acq: 25 May 2019 4:14

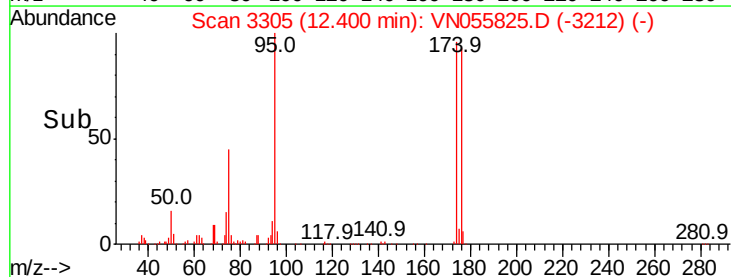
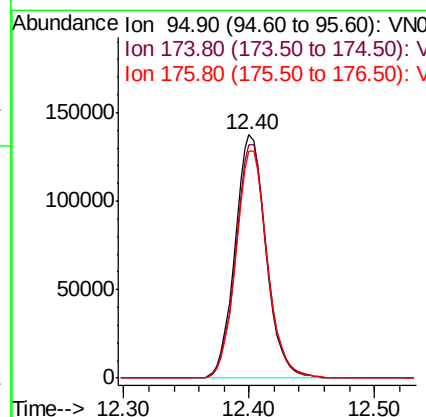
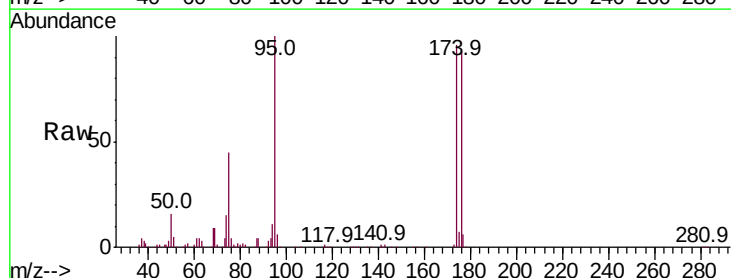
Tgt Ion: 95 Resp: 234930

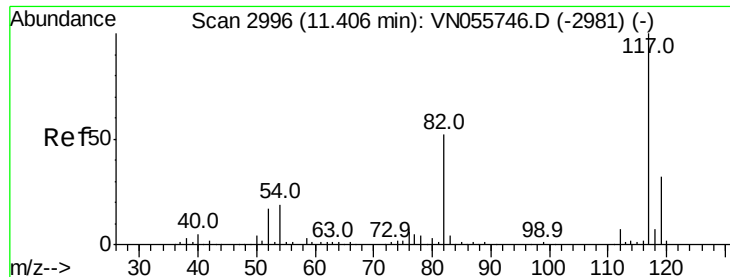
Ion Ratio Lower Upper

95 100

174 97.1 0.0 191.0

176 94.3 0.0 185.2

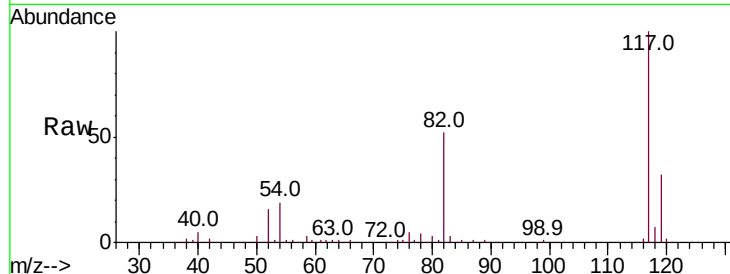




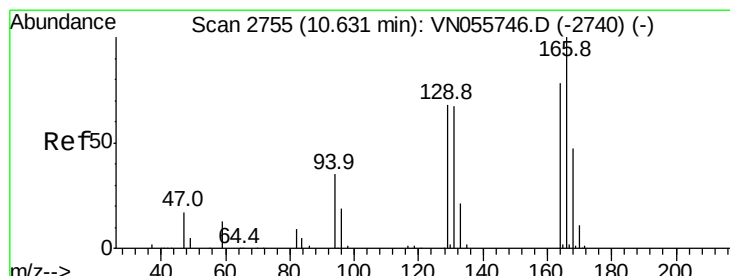
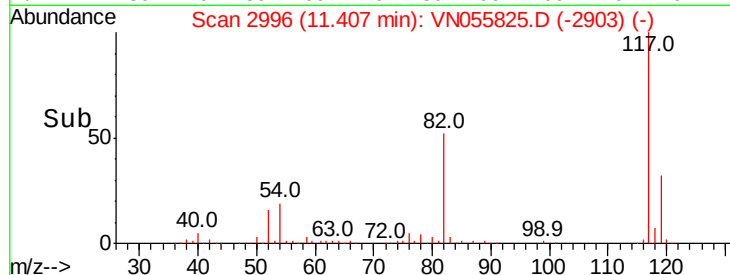
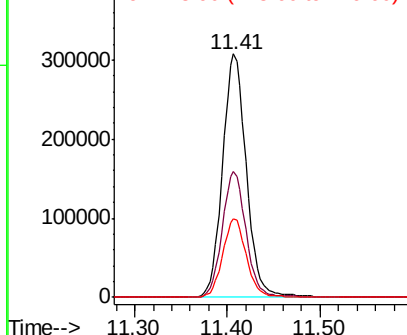
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055825.D
Acq: 25 May 2019 4:14

Instrument :
MSVOA_N
ClientSampled :
MW5-R1-1

Tot Ion:117 Resp: 547040
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.8
119 32.5 25.4 38.0

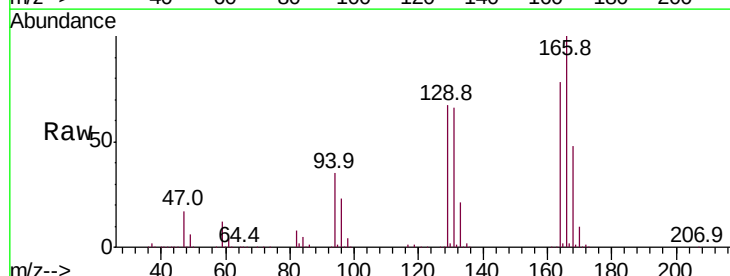


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

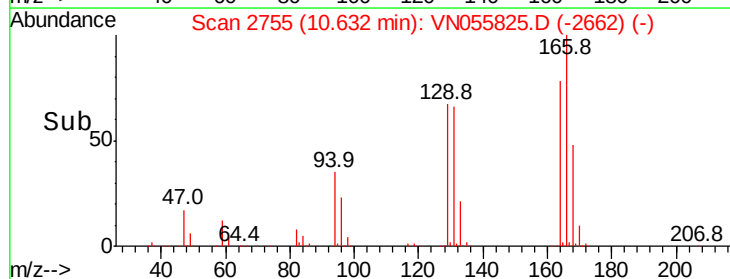
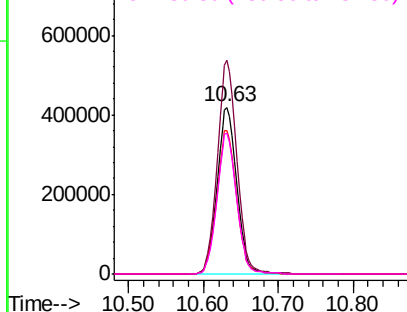


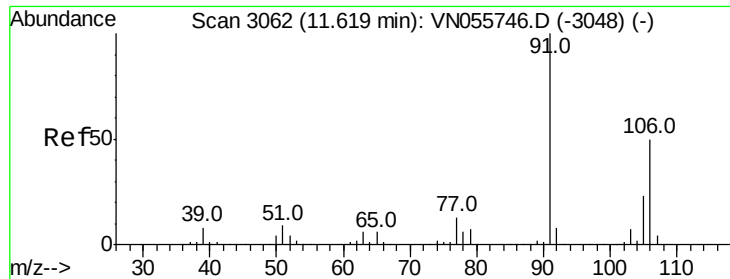
#64
Tetrachloroethene
Concen: 165.825 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055825.D
Acq: 25 May 2019 4:14

Tgt Ion:164 Resp: 765089
Ion Ratio Lower Upper
164 100
166 127.9 103.0 154.6
129 86.3 70.6 105.8
131 84.3 68.6 102.8



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

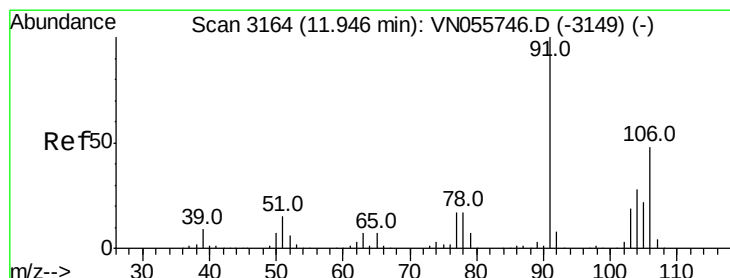
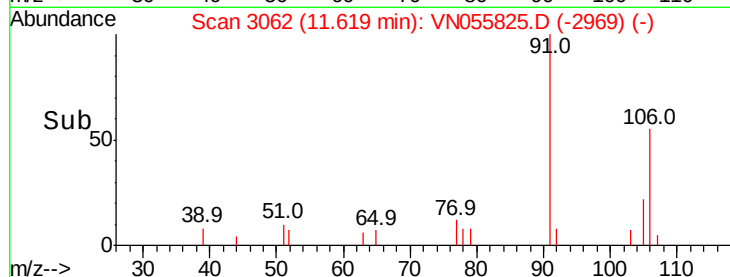
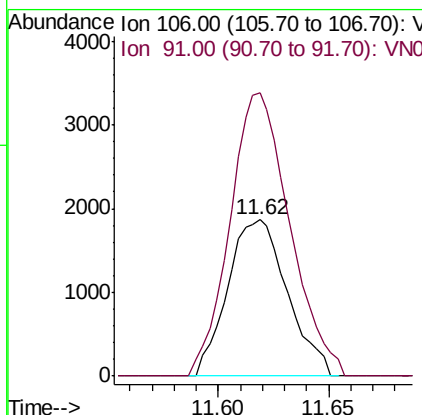
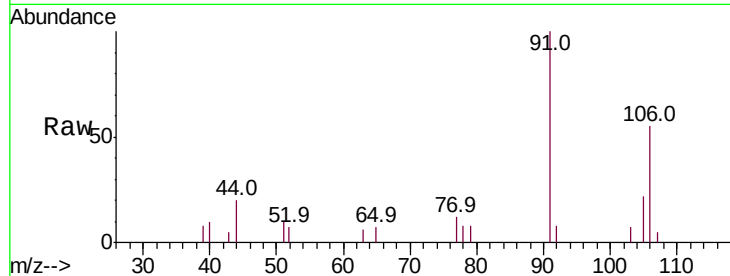




#68
m/p-Xylenes
Concen: 0.471 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055825.D
Acq: 25 May 2019 4:14

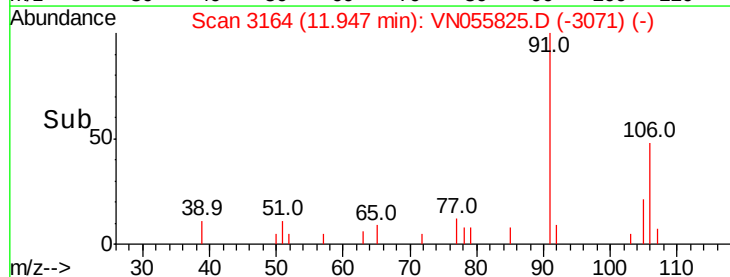
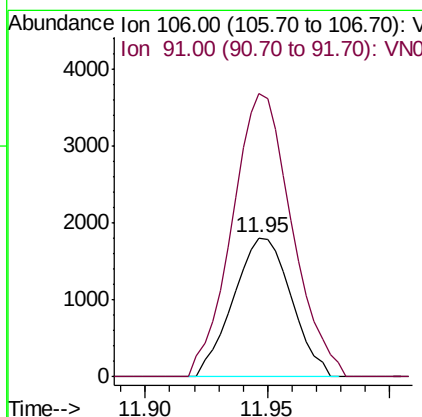
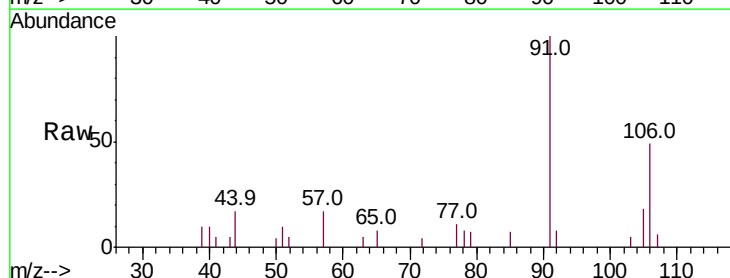
Instrument :
MSVOA_N
ClientSampled :
MW5-R1-1

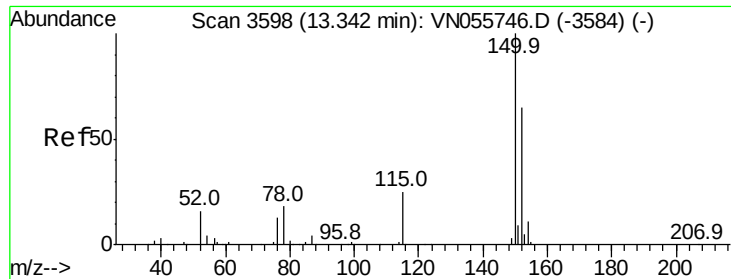
Tot Ion:106 Resp: 3498
Ion Ratio Lower Upper
106 100
91 181.7 159.3 238.9



#69
o-Xylene
Concen: 0.406 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055825.D
Acq: 25 May 2019 4:14

Tgt Ion:106 Resp: 2990
Ion Ratio Lower Upper
106 100
91 209.5 104.7 314.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055825.D

Acq: 25 May 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

MW5-R1-1

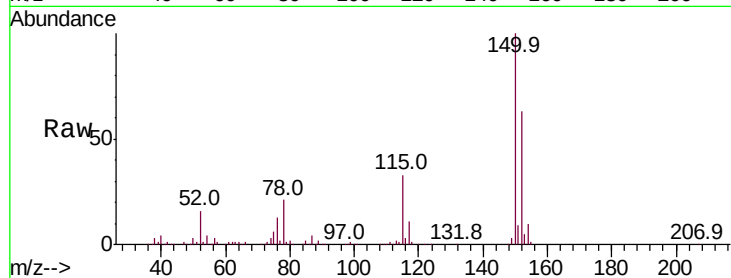
Tot Ion:152 Resp: 202042

Ion Ratio Lower Upper

152 100

115 52.2 27.0 81.0

150 156.3 0.0 343.2



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

