

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055826.D
 Acq On : 25 May 2019 4:39
 Operator : JC/SP
 Sample : K3037-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-R1-2

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:34 AM

Quant Time: May 26 23:18:08 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	465479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	657171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	233419	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	213154	44.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.68%	
35) Dibromofluoromethane	7.59	113	198256	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
50) Toluene-d8	10.09	98	770346	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	255179	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.18	62	5140044	1097.943	ug/l	99
12) 1,1-Dichloroethene	3.73	96	120200	30.363	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	47944	11.273	ug/l	96
27) cis-1,2-Dichloroethene	6.82	96	27979181m	5638.815	ug/l	
39) Methylcyclohexane	9.08	83	7142	1.007	ug/l	99
40) Benzene	8.04	78	89024	5.158	ug/l	99
44) Trichloroethene	8.83	130	2290130	475.941	ug/l	100
52) Toluene	10.16	92	15412	1.420	ug/l	100
64) Tetrachloroethene	10.63	164	3186368	630.527	ug/l	99
67) Ethyl Benzene	11.51	91	5679	0.264	ug/l	97
68) m/p-Xylenes	11.62	106	6428	0.790	ug/l	97
69) o-Xylene	11.94	106	3385	0.420	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	16134	2.152	ug/l	89

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

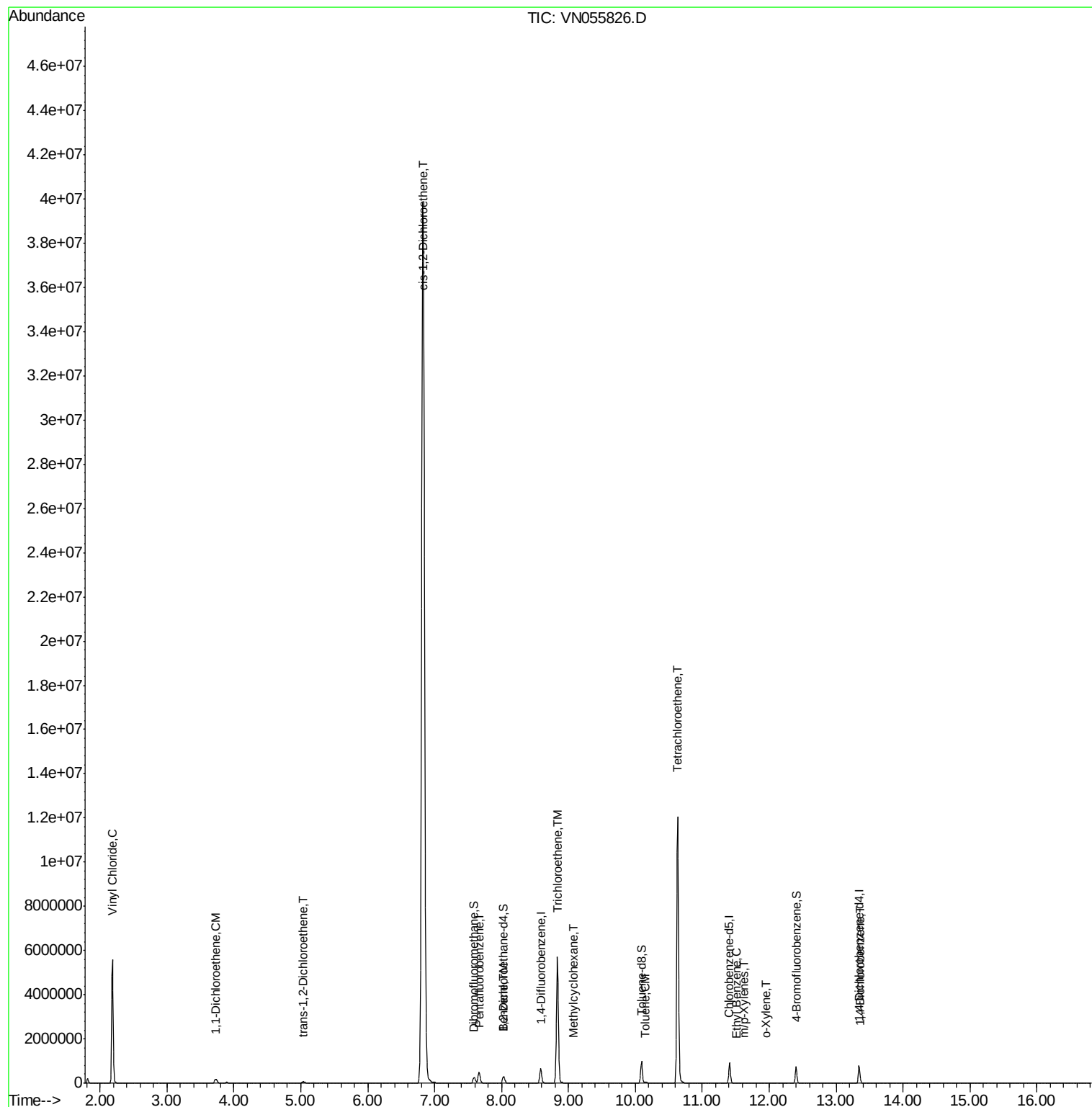
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055826.D
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ALS Vial : 49 Sample Multiplier: 1

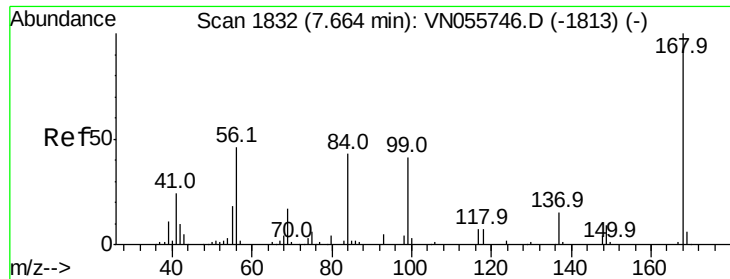
Instrument :
MSVOA_N
ClientSampleId :
MW6-R1-2

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Quant Time: May 26 23:18:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
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: VN055826.D

Acq: 25 May 2019 4:39

Instrument :

MSVOA_N

ClientSampleId :

MW6-R1-2

Tot Ion:168 Resp: 465479

Ion Ratio Lower Upper

168 100

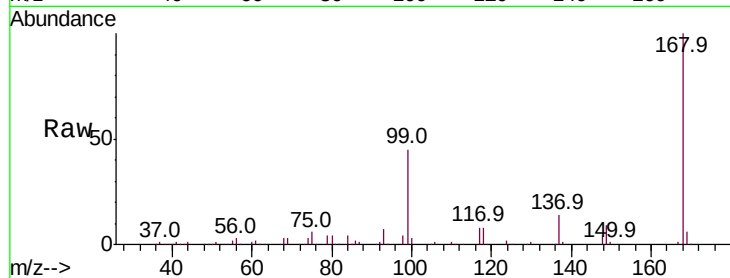
99 45.1 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

200000

150000

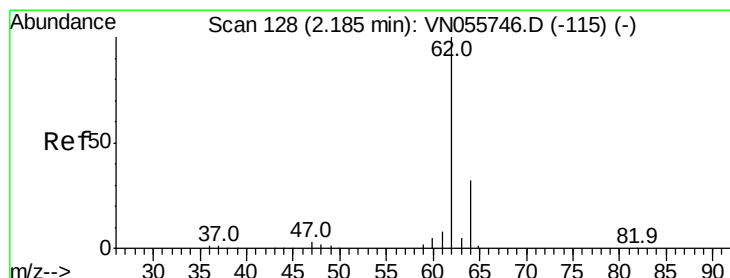
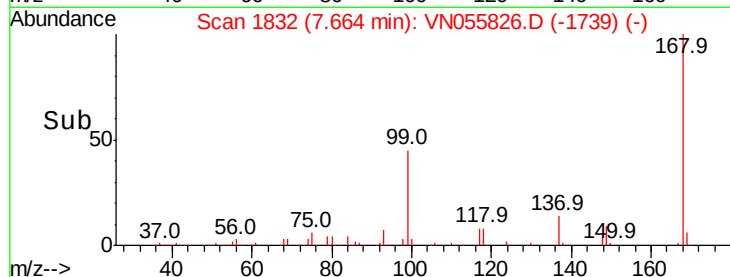
100000

50000

0

7.60 7.70 7.80

Time-->



#4

Vinyl Chloride

Concen: 1097.943 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055826.D

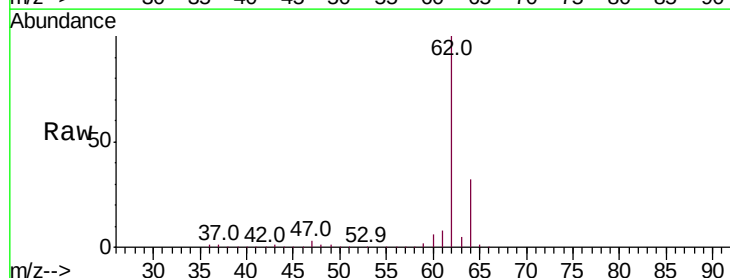
Acq: 25 May 2019 4:39

Tgt Ion: 62 Resp: 5140044

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055746.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055746.D (-115) (-)

2.18

4000000

3000000

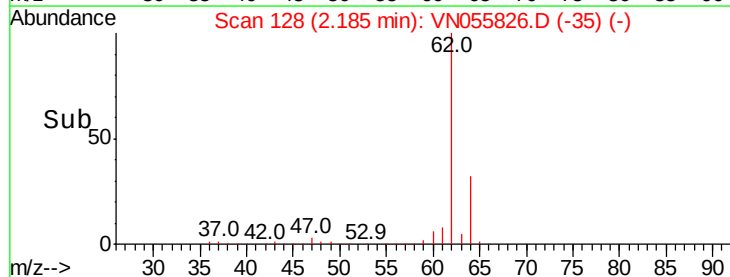
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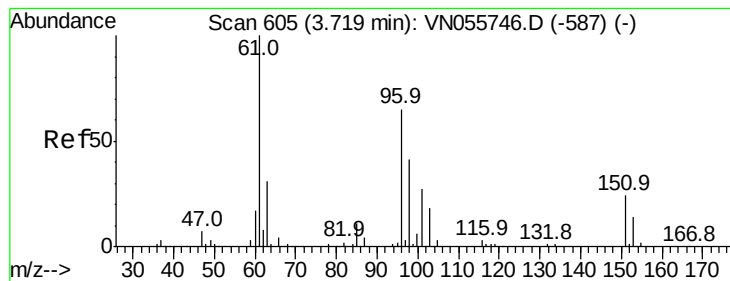
1000000

0

2.10 2.20 2.30

Time-->





#12

1,1-Dichloroethene

Concen: 30.363 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.01 min

Lab File: VN055826.D

Acq: 25 May 2019 4:39

Instrument :

MSVOA_N

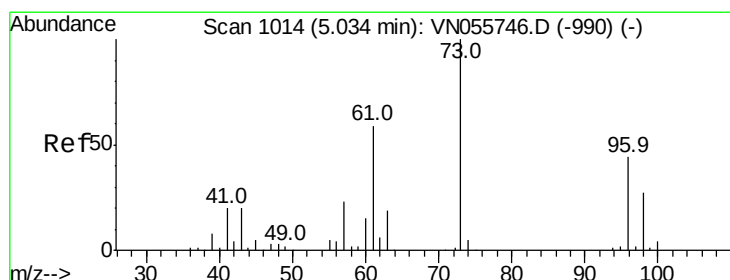
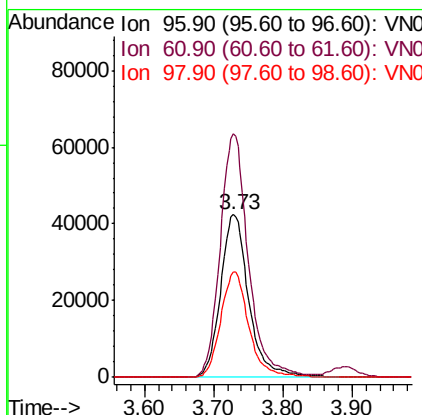
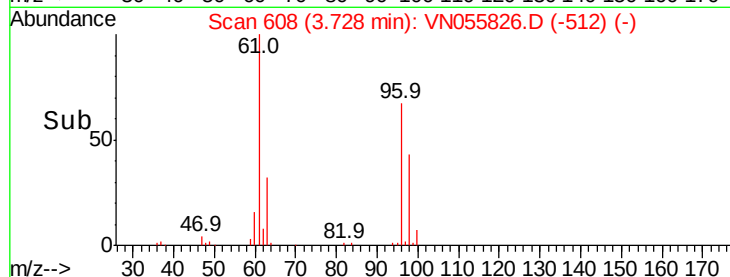
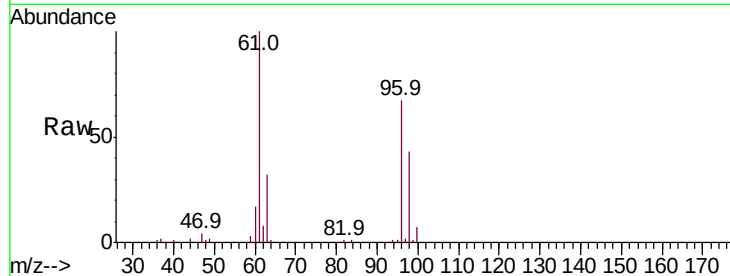
ClientSampled :

MW6-R1-2

Tot Ion:	96	Resp:	120200
Ion	Ratio	Lower	Upper
96	100		
61	150.0	123.2	184.8
98	65.0	50.4	75.6

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#21

trans-1,2-Dichloroethene

Concen: 11.273 ug/l

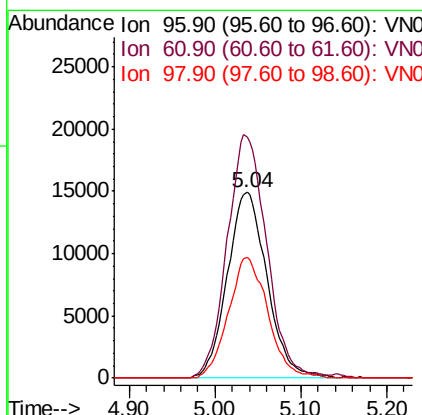
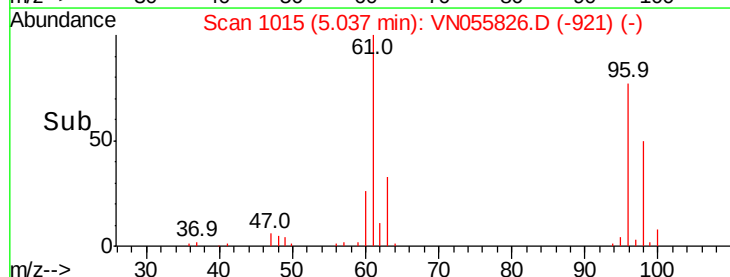
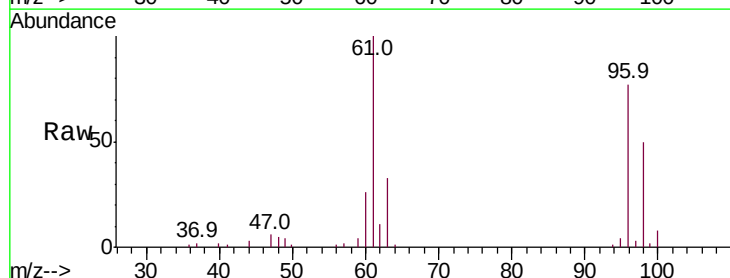
RT: 5.04 min Scan# 1015

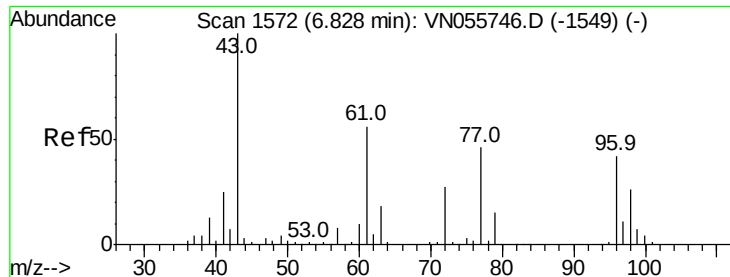
Delta R.T. 0.00 min

Lab File: VN055826.D

Acq: 25 May 2019 4:39

Tgt Ion:	96	Resp:	47944
Ion	Ratio	Lower	Upper
96	100		
61	129.8	107.8	161.8
98	65.1	49.8	74.8





#27

cis-1,2-Dichloroethene

Concen: 5638.815 ug/l m

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN055826.D

Acq: 25 May 2019 4:39

Instrument :

MSVOA_N

ClientSampled :

MW6-R1-2

Tot Ion: 96 Resp: 27979181

Ion Ratio Lower Upper

96 100

61 0.0 0.0 275.8

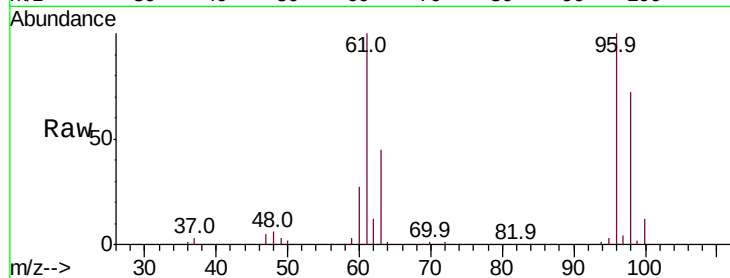
98 0.0 0.0 128.4

Manual Integrations

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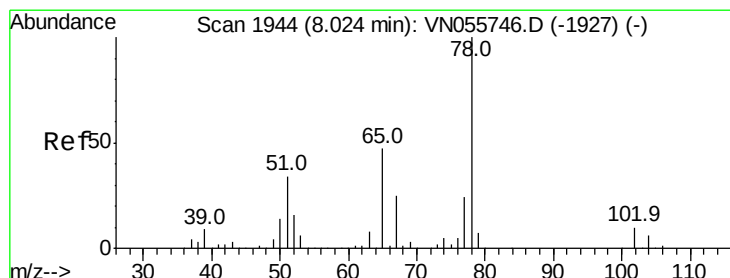
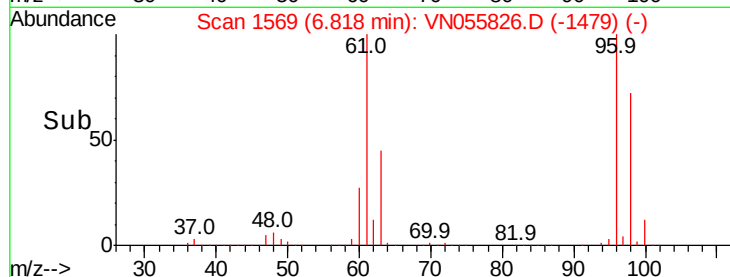
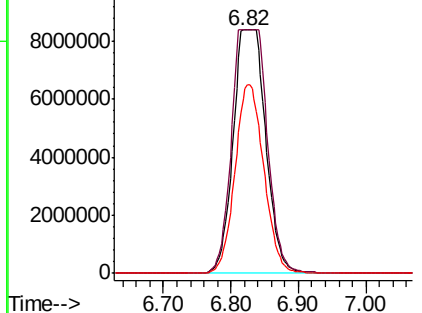
5/28/2019 10:36:34 AM



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: 44.342 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055826.D

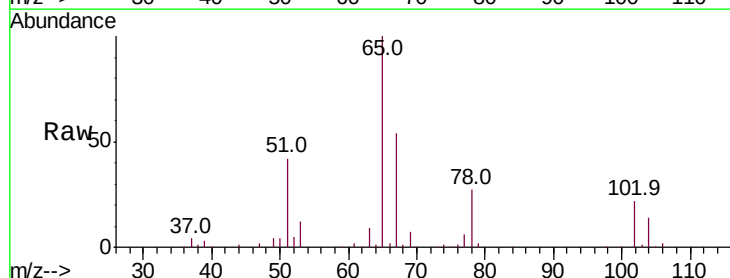
Acq: 25 May 2019 4:39

Tgt Ion: 65 Resp: 213154

Ion Ratio Lower Upper

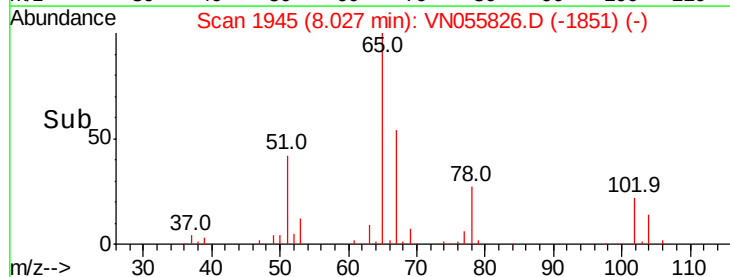
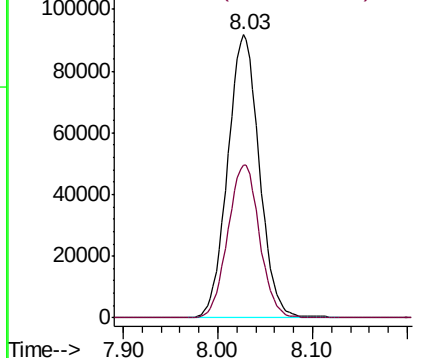
65 100

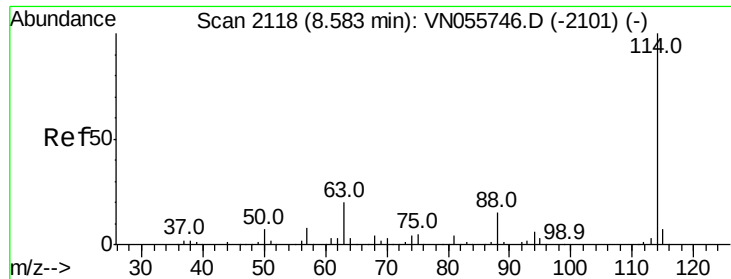
67 54.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





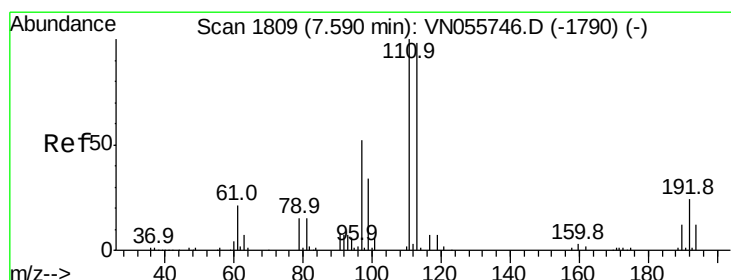
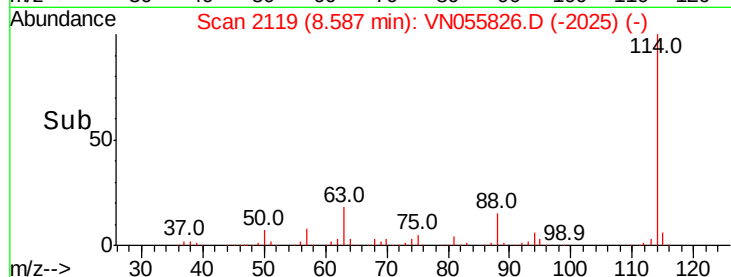
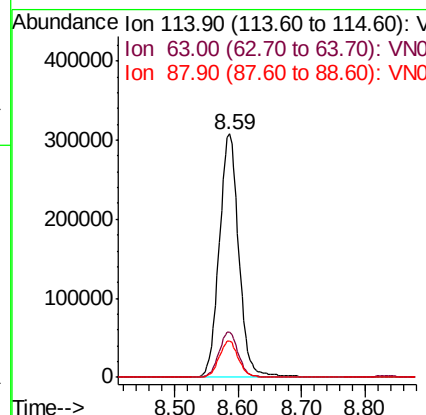
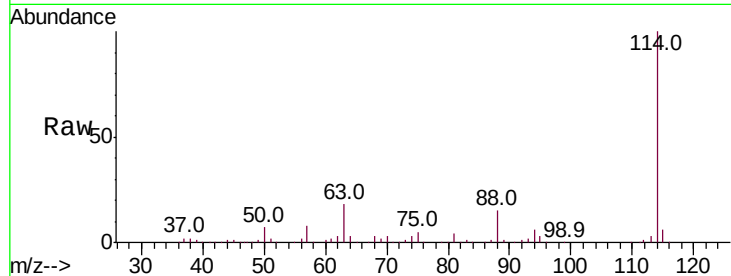
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055826.D
 Acq: 25 May 2019 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-R1-2

Tot Ion	Ratio	Resp	Lower	Upper
114	100	657171		
63	18.5	0.0	39.2	
88	15.0	0.0	31.0	

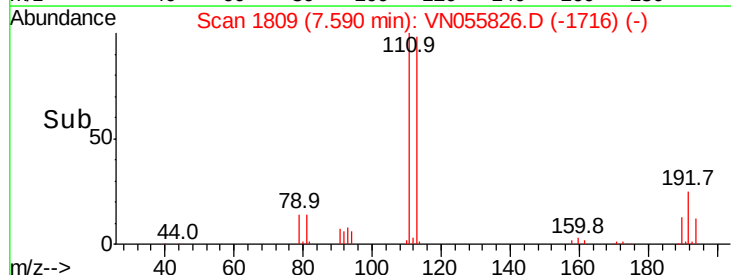
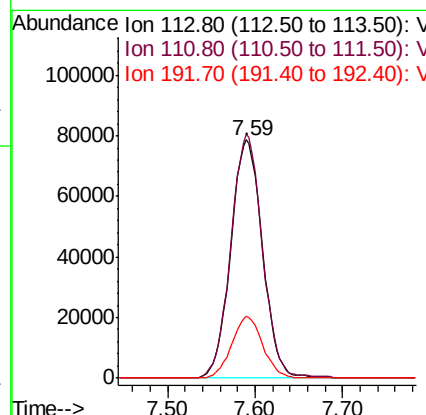
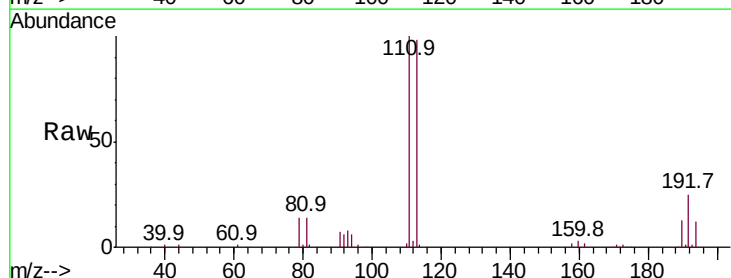
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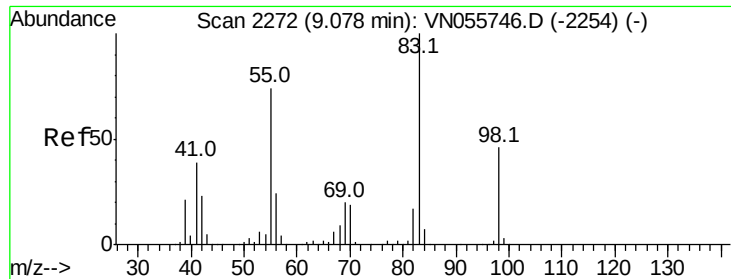
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#35
 Dibromofluoromethane
 Concen: 47.717 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055826.D
 Acq: 25 May 2019 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	198256		
111	101.3	81.9	122.9	
192	25.2	19.5	29.3	





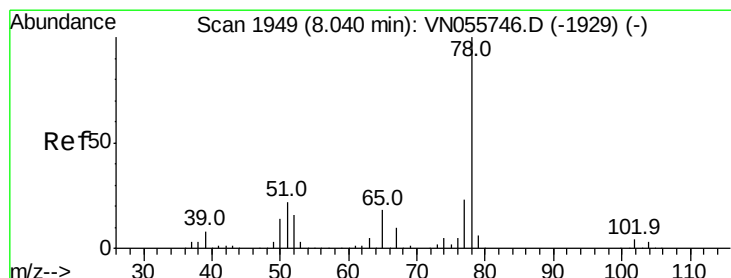
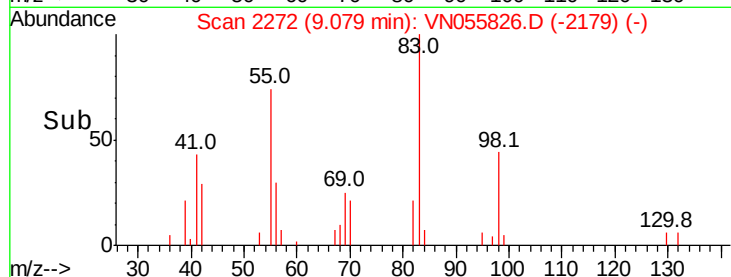
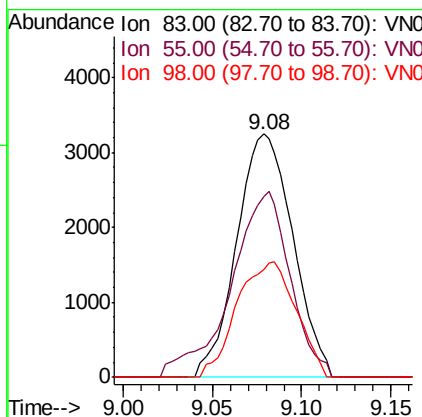
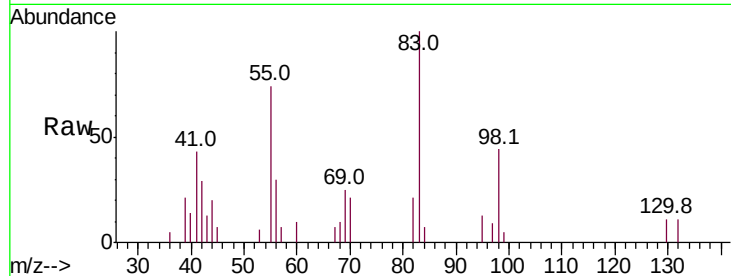
#39
Methylvlcyclohexane
Concen: 1.007 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055826.D
Acq: 25 May 2019 4:39

Instrument :
MSVOA_N
ClientSampleId :
MW6-R1-2

Tot Ion	83	Resp	7142
Ion Ratio	100	Lower	Upper
83	100		
55	74.4	59.3	88.9
98	44.3	36.6	54.8

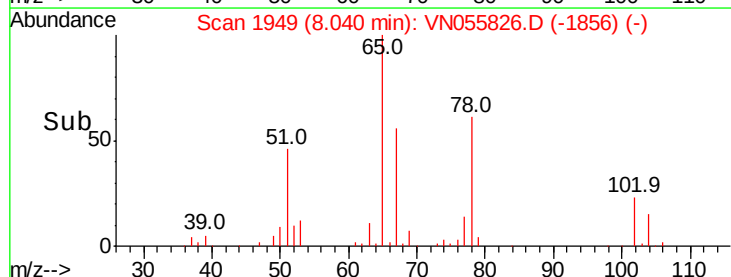
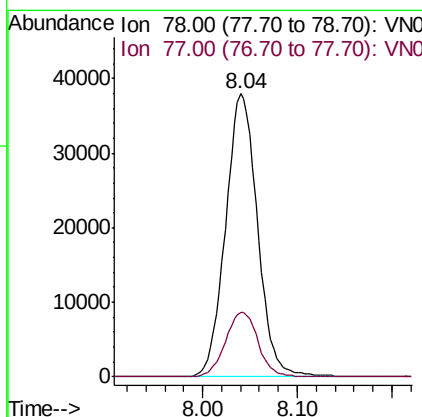
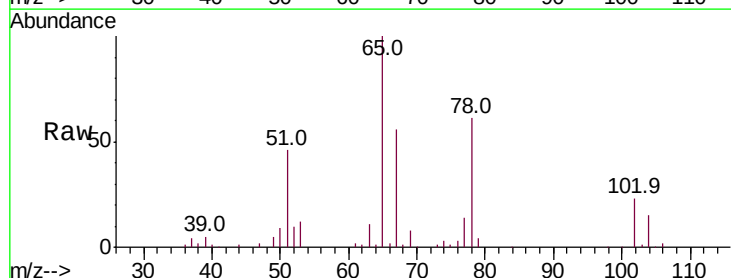
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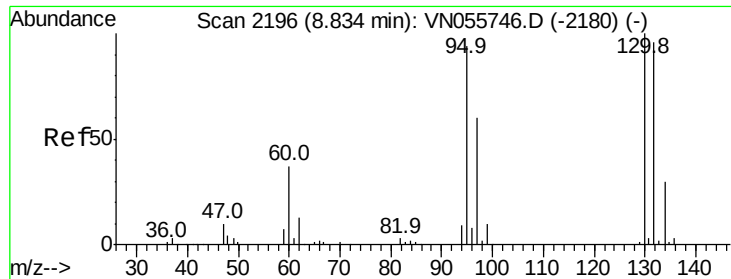
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#40
Benzene
Concen: 5.158 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055826.D
Acq: 25 May 2019 4:39

Tgt Ion	78	Resp	89024
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	18.8	28.2





#44

Trichloroethene

Concen: 475.941 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055826.D

Acq: 25 May 2019 4:39

Instrument :

MSVOA_N

ClientSampleId :

MW6-R1-2

Tot Ion:130 Resp: 2290130

Ion Ratio Lower Upper

130 100

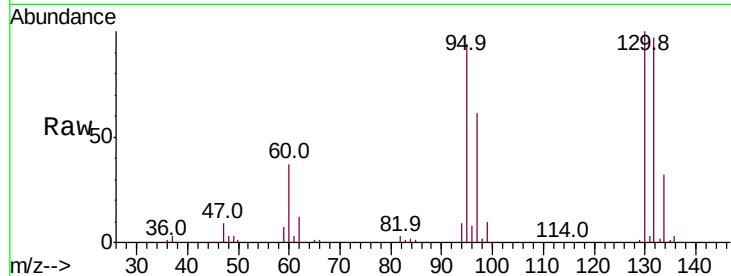
95 94.0 0.0 188.0

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

1200000

1000000

800000

600000

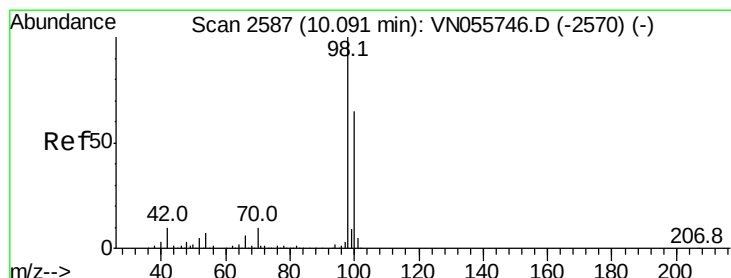
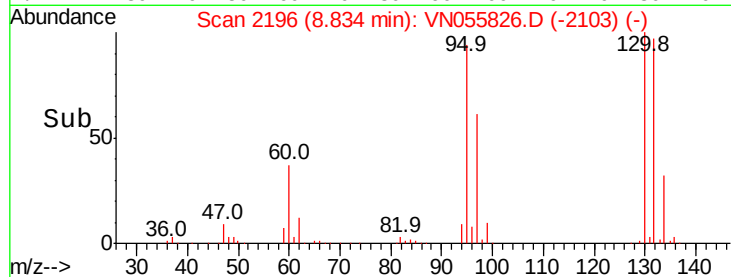
400000

200000

0

8.70 8.80 8.90 9.00

Time-->



#50

Toluene-d8

Concen: 48.335 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055826.D

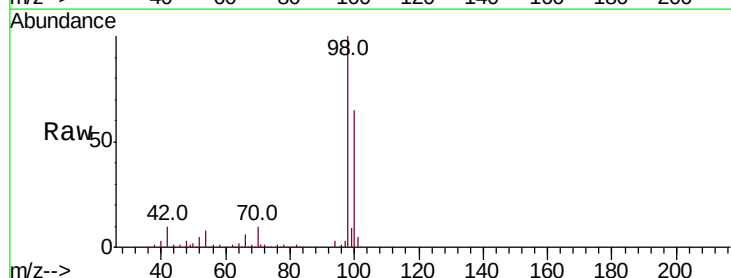
Acq: 25 May 2019 4:39

Tgt Ion: 98 Resp: 770346

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

400000

300000

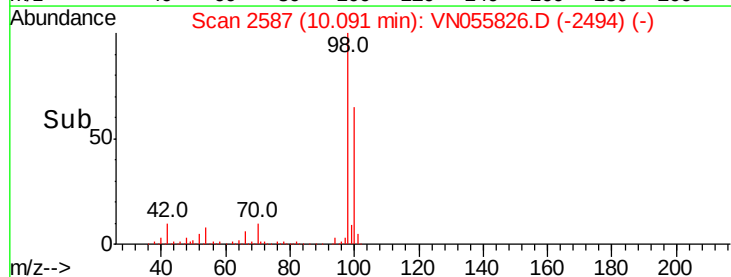
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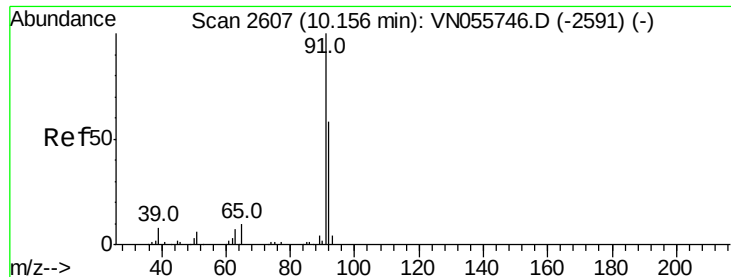
100000

0

10.00 10.10 10.20

Time-->





#52

Toluene

Concen: 1.420 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055826.D

Acq: 25 May 2019 4:39

Instrument :

MSVOA_N

ClientSampleId :

MW6-R1-2

Tot Ion: 92 Resp: 15412

Ion Ratio Lower Upper

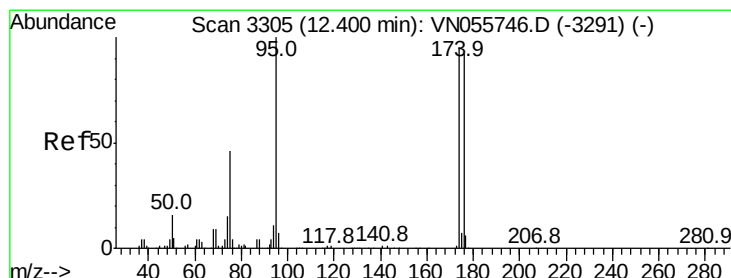
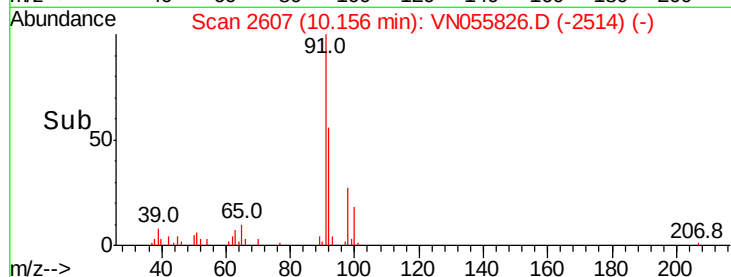
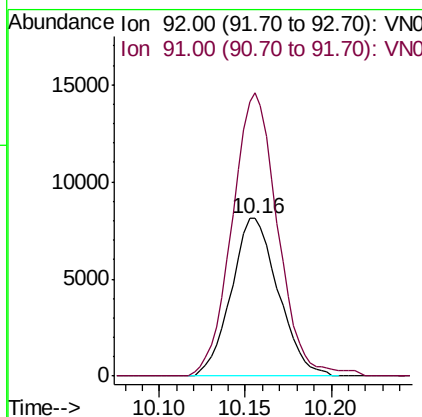
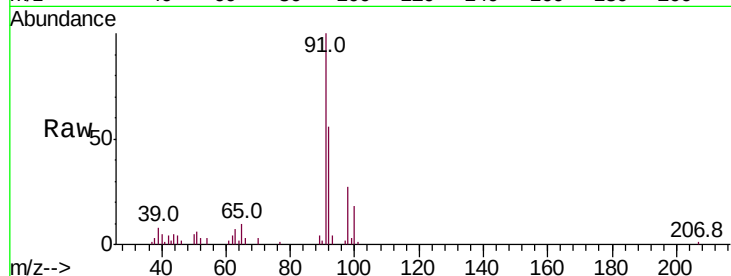
92 100

91 174.7 139.4 209.2

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#62

4-Bromofluorobenzene

Concen: 46.695 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055826.D

Acq: 25 May 2019 4:39

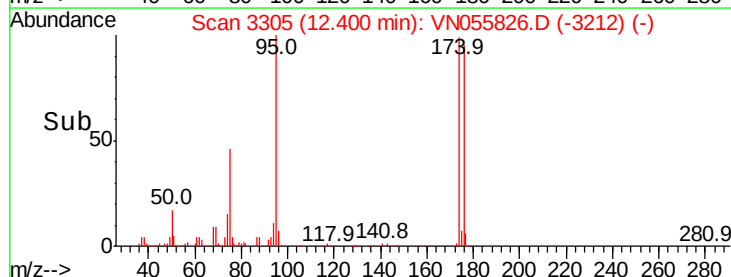
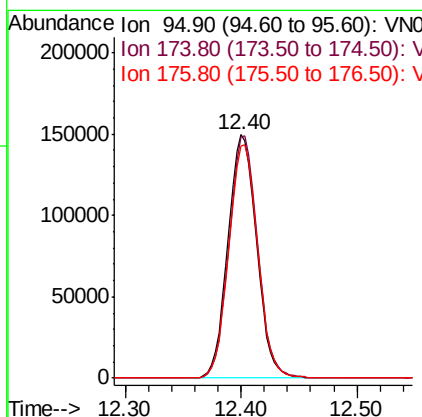
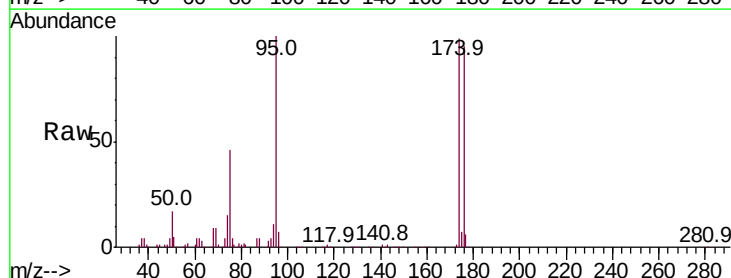
Tgt Ion: 95 Resp: 255179

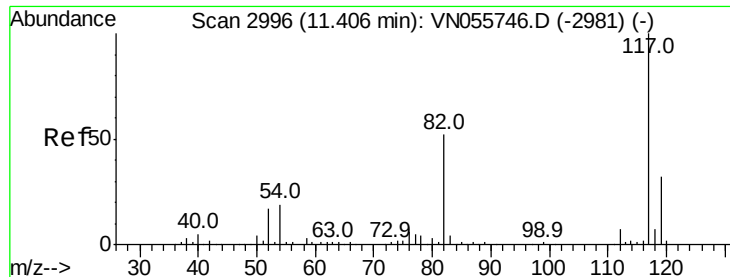
Ion Ratio Lower Upper

95 100

174 99.1 0.0 191.0

176 96.6 0.0 185.2





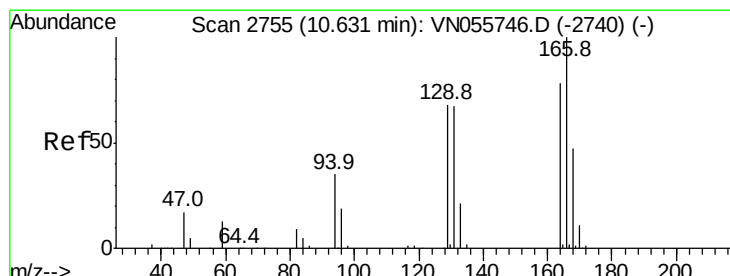
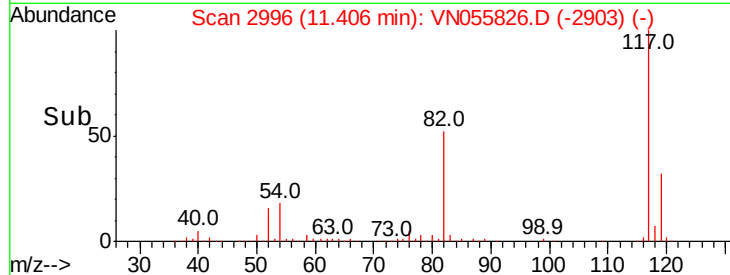
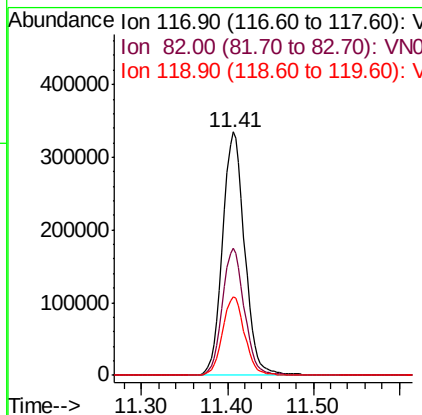
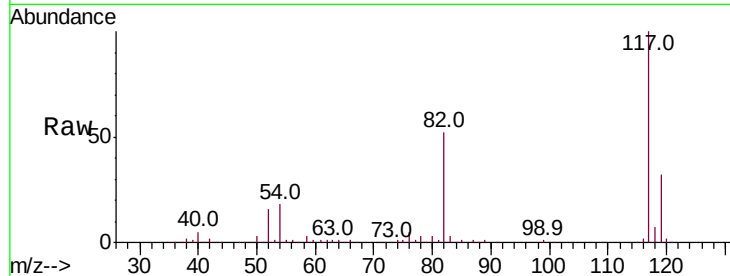
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055826.D
Acq: 25 May 2019 4:39

Instrument :
MSVOA_N
ClientSampled :
MW6-R1-2

Tot Ion	Ratio	Resp	Lower	Upper
117	100	599168		
82	52.2	41.8	62.8	
119	32.5	25.4	38.0	

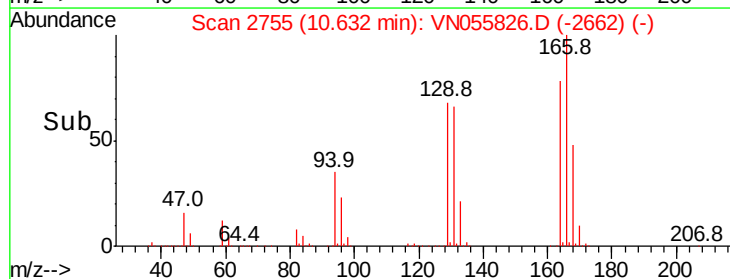
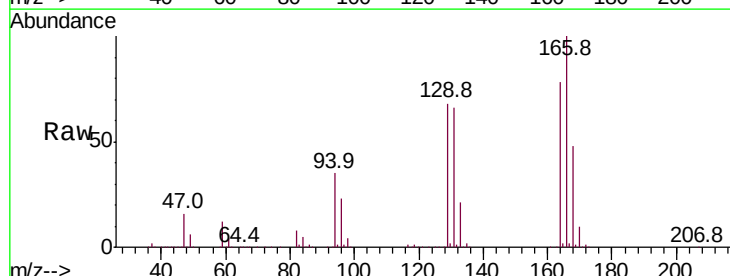
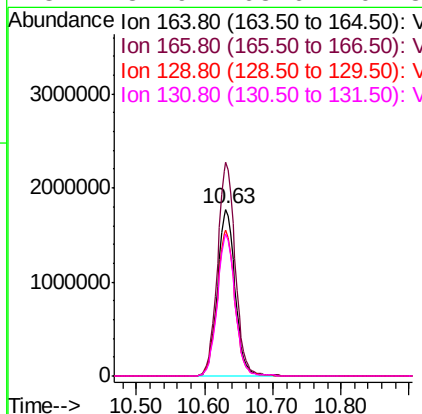
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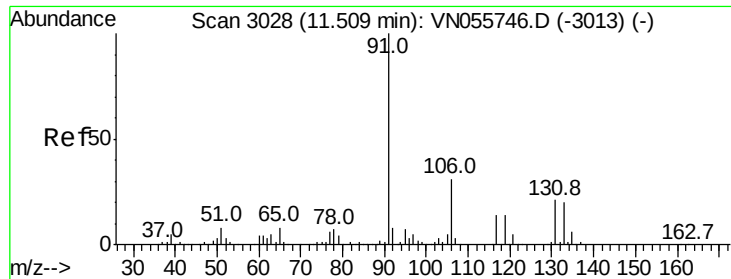
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#64
Tetrachloroethene
Concen: 630.527 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055826.D
Acq: 25 May 2019 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	3186368		
166	128.1	103.0	154.6	
129	87.5	70.6	105.8	
131	84.9	68.6	102.8	





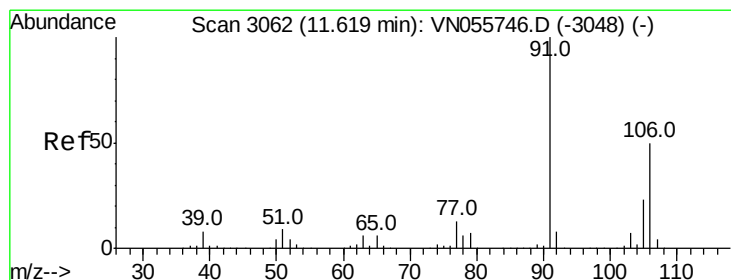
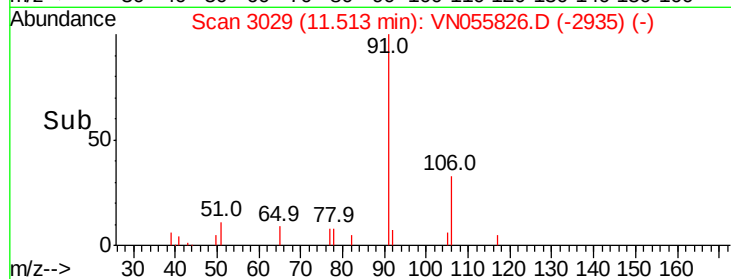
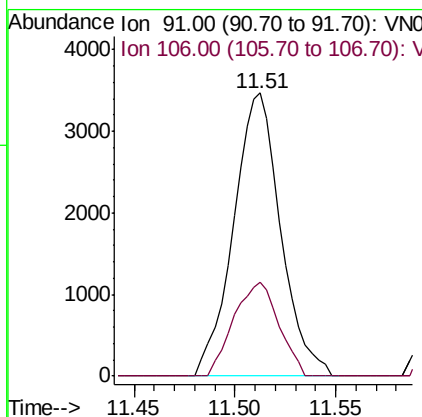
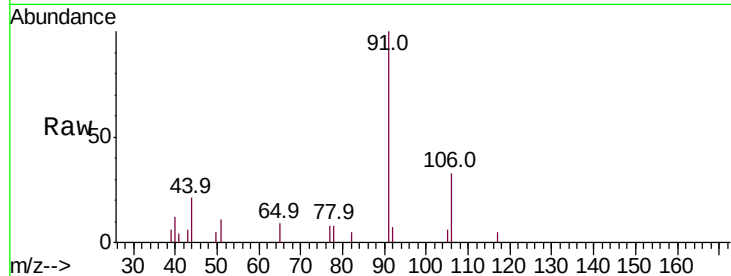
#67
Ethyl Benzene
Concen: 0.264 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055826.D
Acq: 25 May 2019 4:39

Instrument :
MSVOA_N
ClientSampled :
MW6-R1-2

Tot Ion: 91 Resp: 5679
Ion Ratio Lower Upper
91 100
106 33.3 25.1 37.7

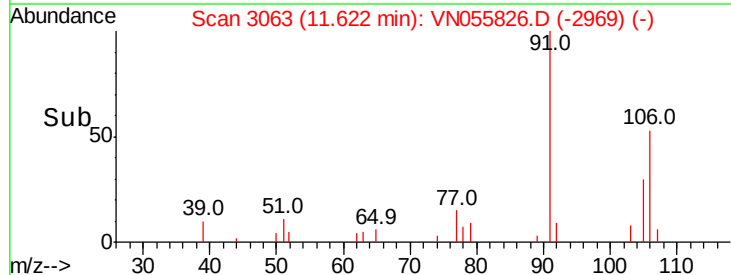
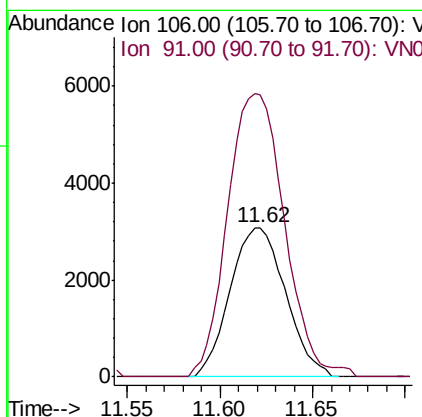
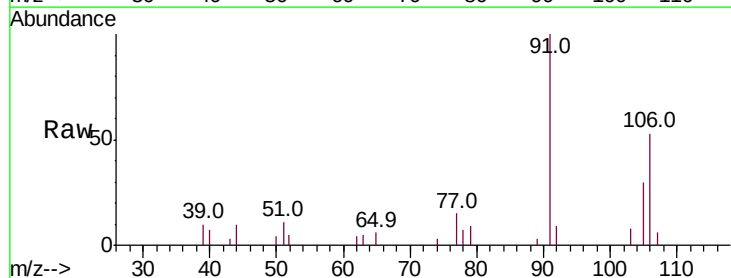
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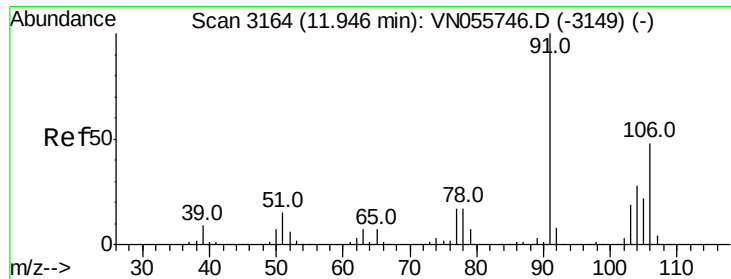
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#68
m/p-Xylenes
Concen: 0.790 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055826.D
Acq: 25 May 2019 4:39

Tgt Ion: 106 Resp: 6428
Ion Ratio Lower Upper
106 100
91 194.2 159.3 238.9





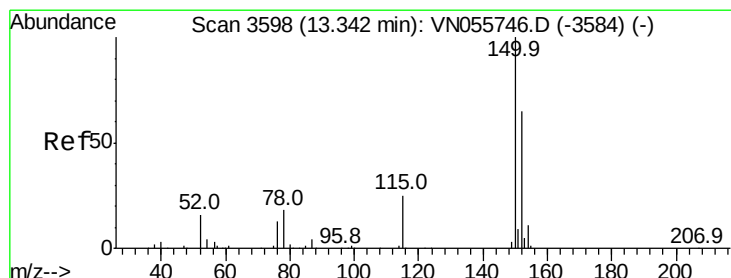
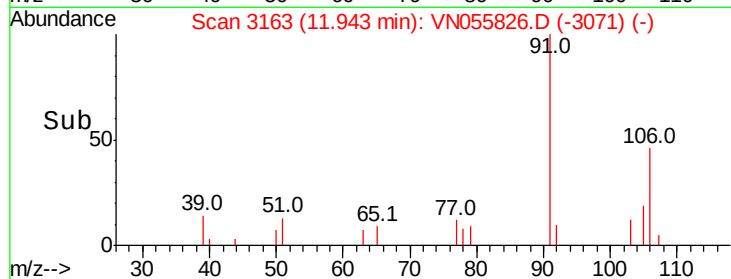
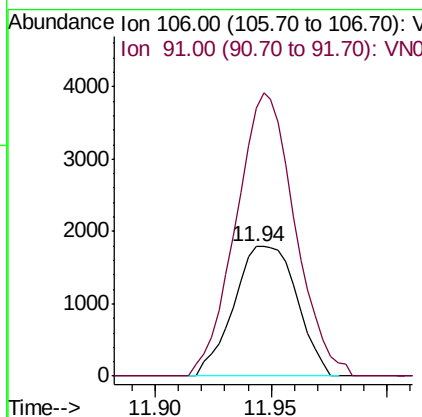
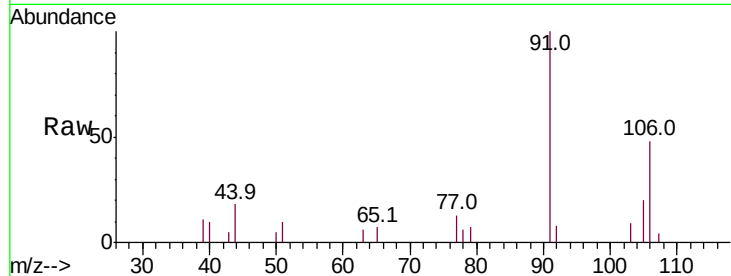
#69
o-Xylene
Concen: 0.420 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055826.D
Acq: 25 May 2019 4:39

Instrument :
MSVOA_N
ClientSampled :
MW6-R1-2

Tot Ion:106 Resp: 3385
Ion Ratio Lower Upper
106 100
91 204.5 104.7 314.1

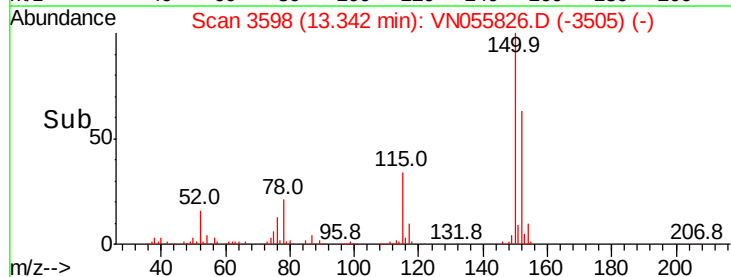
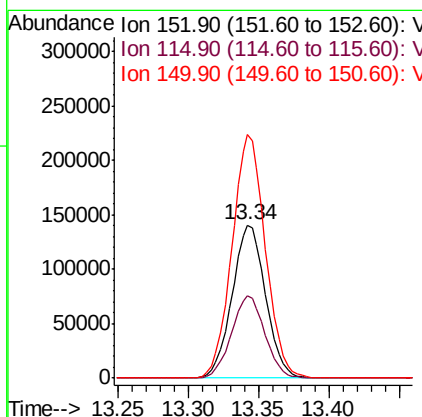
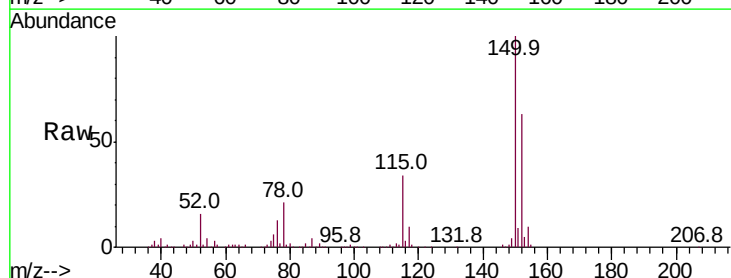
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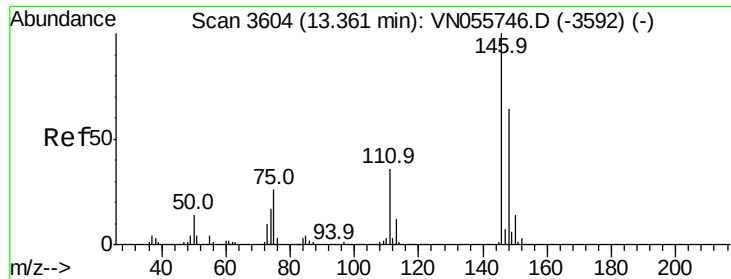
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055826.D
Acq: 25 May 2019 4:39

Tgt Ion:152 Resp: 233419
Ion Ratio Lower Upper
152 100
115 53.5 27.0 81.0
150 158.4 0.0 343.2





#88
 1,4-Dichlorobenzene
 Concen: 2.152 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055826.D
 Acq: 25 May 2019 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-R1-2

Tot Ion:	146	Resp:	16134
Ion Ratio	Lower	Upper	
146	100		
111	48.7	18.1	54.4
148	68.7	32.1	96.5

Manual Integrations
 APPROVED

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 5/28/2019 10:36:34 AM

