

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061361.D
 Acq On : 8 May 2020 14:59
 Operator : JC/MD
 Sample : L2544-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS037MW266-200505

Manual Integrations
 APPROVED

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 5/11/2020 12:36:42 PM

Quant Time: May 11 03:57:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	101473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	176900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	170153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	77760	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	78619	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.55	113	51703	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.06	98	220769	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.38	95	86986	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
Target Compounds						
					Qvalue	
27) cis-1,2-Dichloroethene	6.78	96	7941	5.804	ug/l	88
31) Cyclohexane	7.62	56	103368	44.254	ug/l	98
39) Methylcyclohexane	9.05	83	60582	30.505	ug/l	98
40) Benzene	8.00	78	13161	2.495	ug/l	99
44) Trichloroethene	8.80	130	5844	4.098	ug/l	98
64) Tetrachloroethene	10.60	164	2381	1.616	ug/l	93
65) Chlorobenzene	11.41	112	247505	73.329	ug/l	100
73) Isopropylbenzene	12.22	105	42218	7.385	ug/l	100
78) n-propylbenzene	12.57	91	57767	8.520	ug/l	98
83) tert-Butylbenzene	12.97	119	12280	3.078	ug/l	90
85) sec-Butylbenzene	13.15	105	26660	4.901	ug/l #	60
87) 1,3-Dichlorobenzene	13.26	146	1333m	0.549	ug/l	
88) 1,4-Dichlorobenzene	13.34	146	7724	3.112	ug/l	87
89) n-Butylbenzene	13.59	91	8746	1.947	ug/l #	77
91) 1,2-Dichlorobenzene	13.63	146	1908	0.819	ug/l	94

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

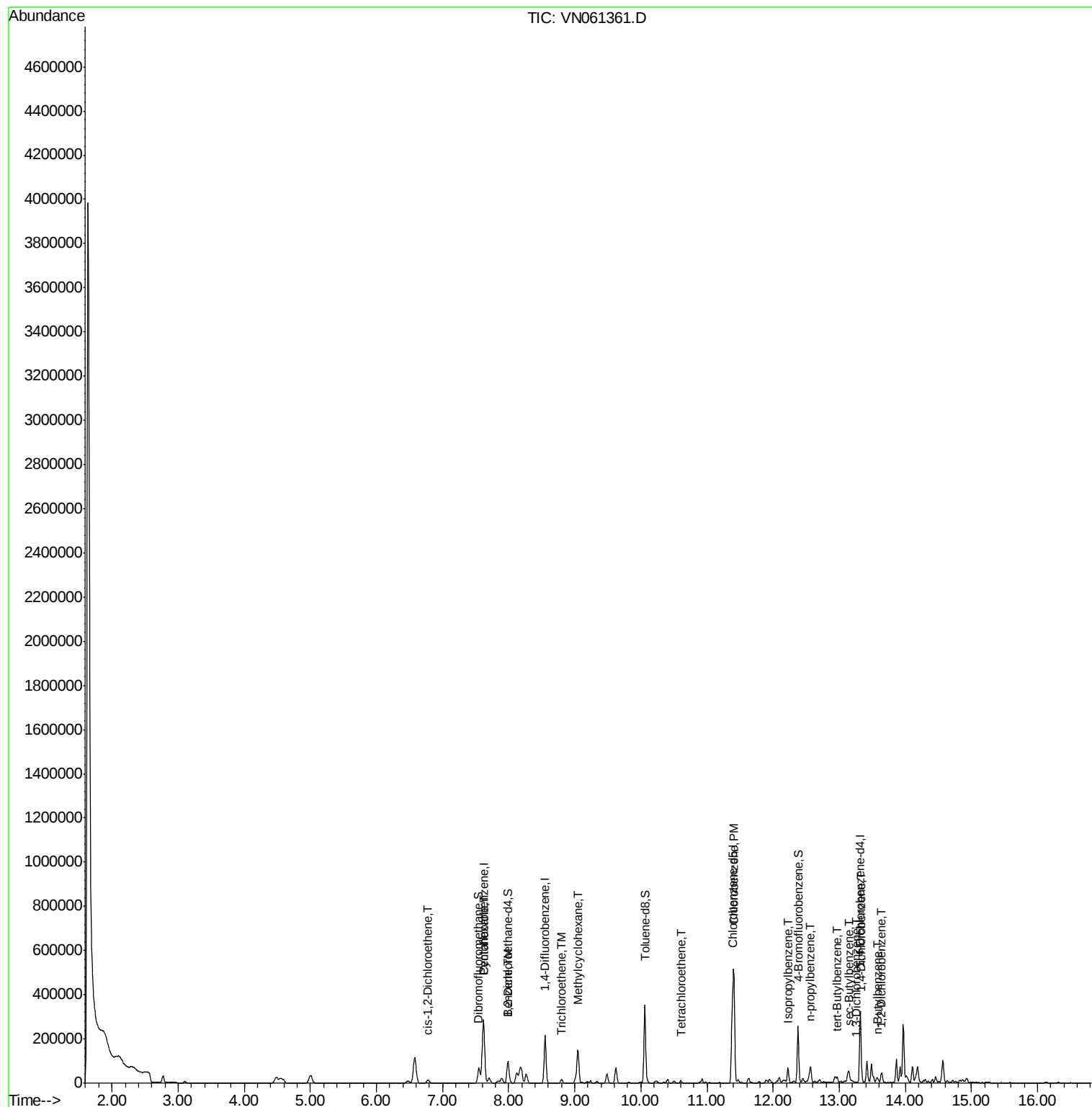
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061361.D

Acq: 8 May 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

SS037MW266-200505

Tot Ion:168 Resp: 101473

Ion Ratio Lower Upper

168 100

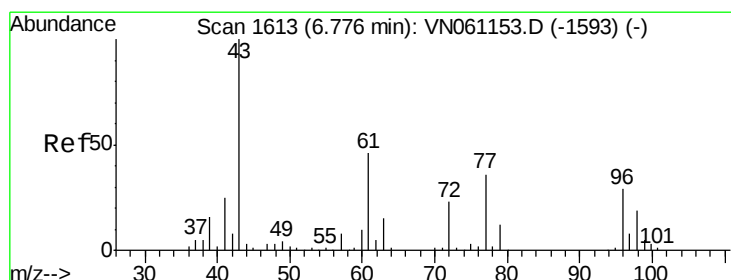
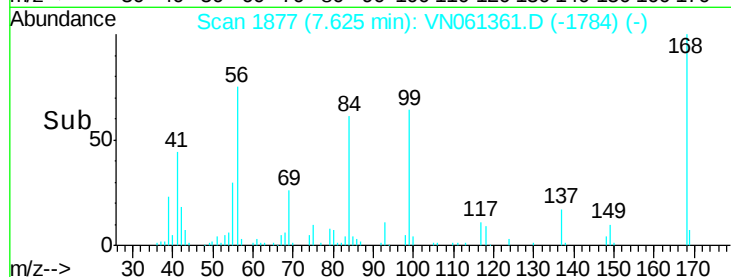
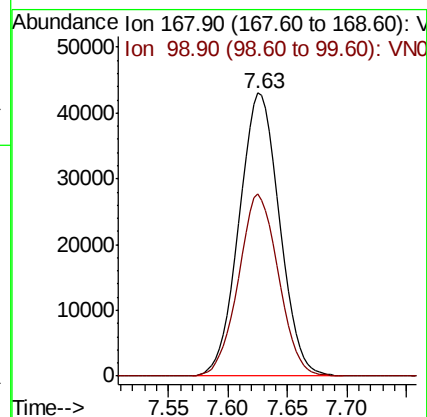
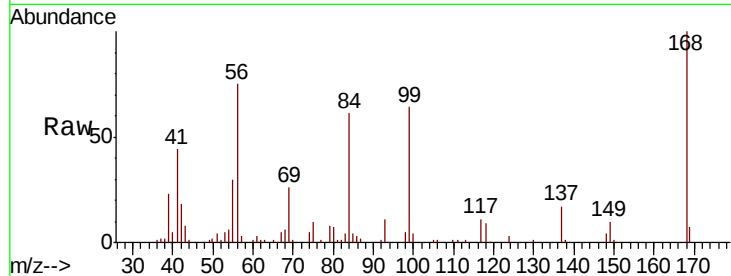
99 64.2 51.2 76.8

Manual Integrations

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#27

cis-1,2-Dichloroethene

Concen: 5.804 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061361.D

Acq: 8 May 2020 14:59

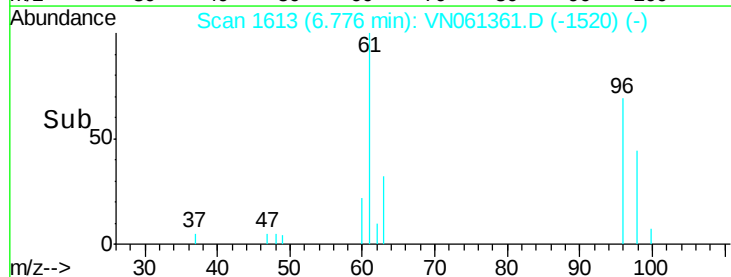
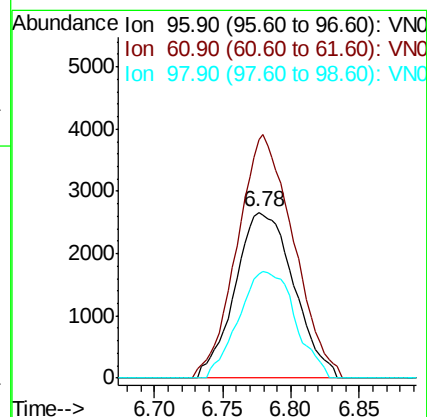
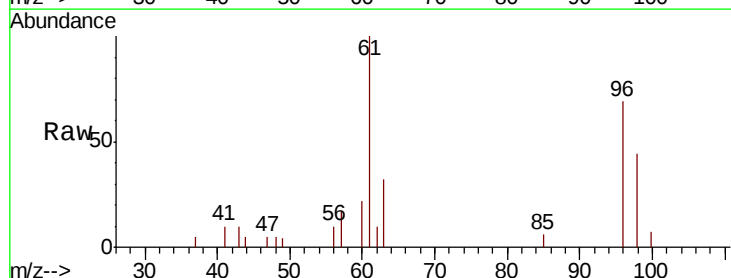
Tgt Ion: 96 Resp: 7941

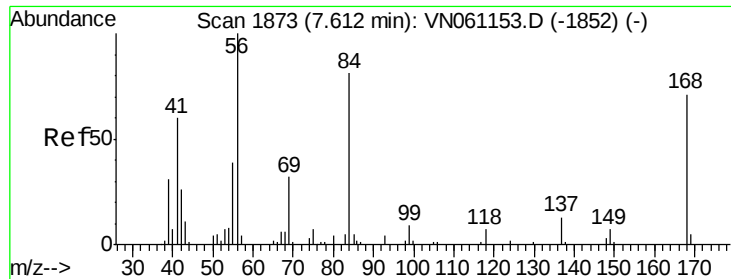
Ion Ratio Lower Upper

96 100

61 140.8 0.0 322.0

98 61.7 0.0 129.6





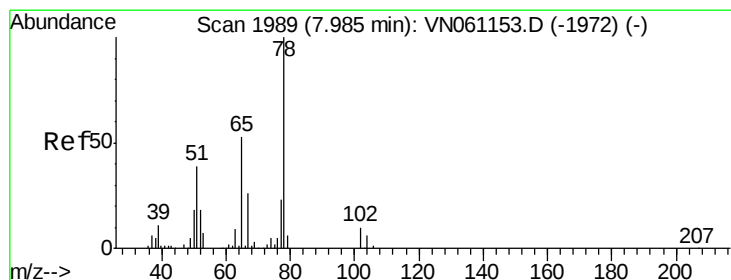
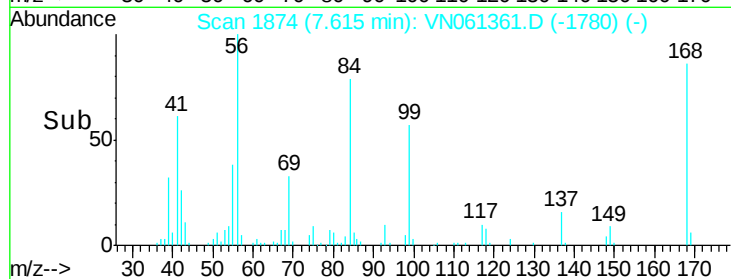
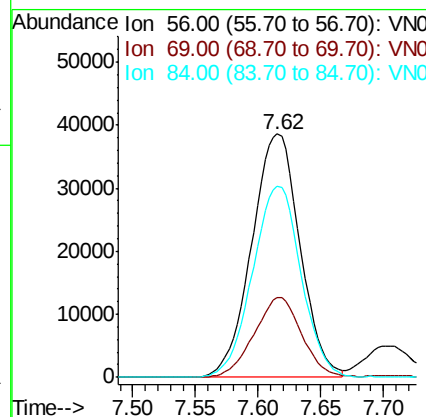
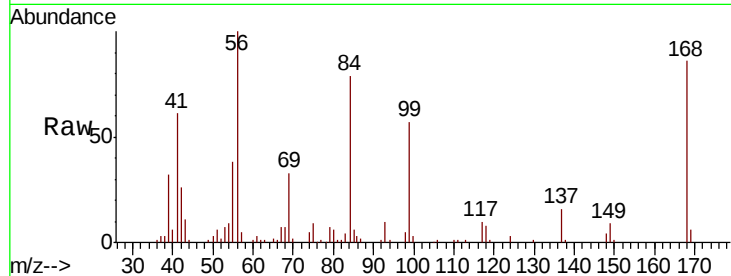
#31
Cyclohexane
Concen: 44.254 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061361.D
Acq: 8 May 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
SS037MW266-200505

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.7	38.5
84	78.6	64.6	97.0

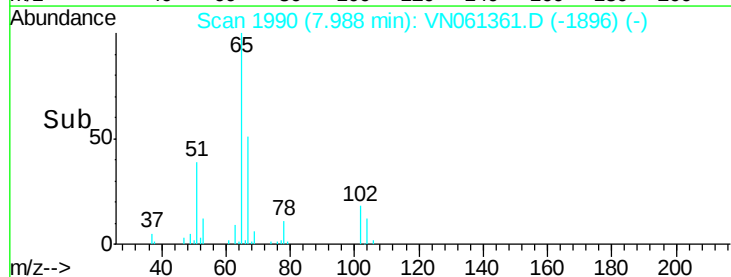
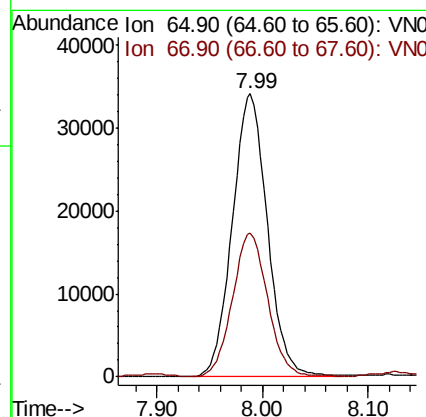
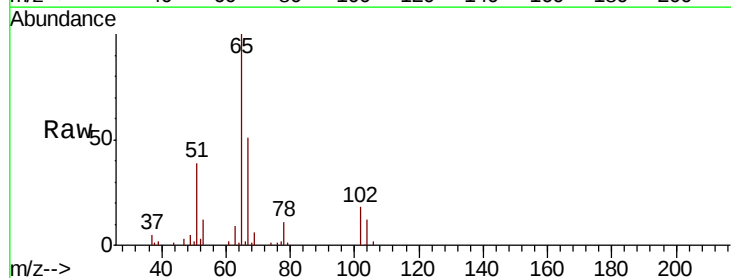
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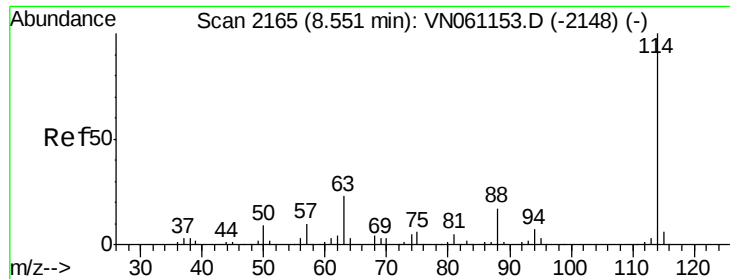
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#33
1,2-Dichloroethane-d4
Concen: 48.965 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061361.D
Acq: 8 May 2020 14:59

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	101.6





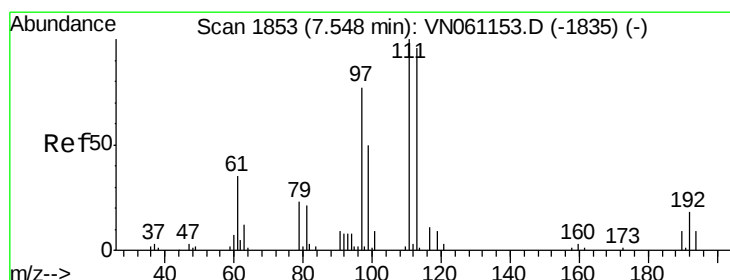
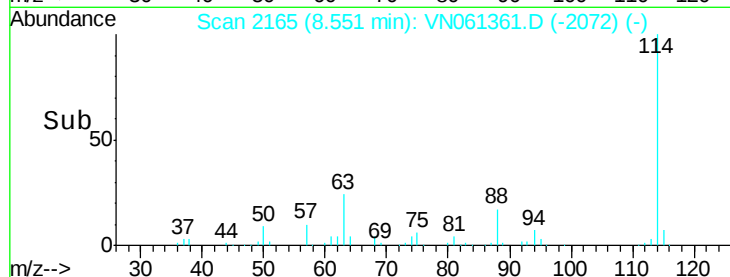
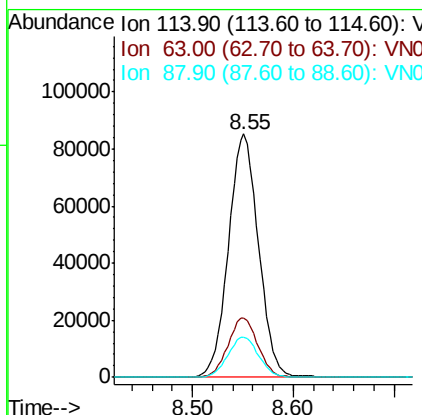
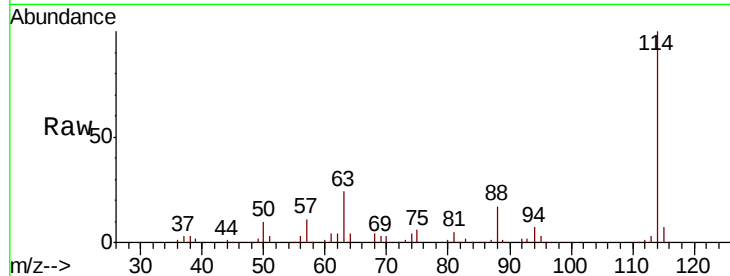
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061361.D
 Acq: 8 May 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 SS037MW266-200505

Tot Ion	Ratio	Resp	Lower	Upper
114	100	176900		
63	24.5	0.0	46.6	
88	16.7	0.0	33.4	

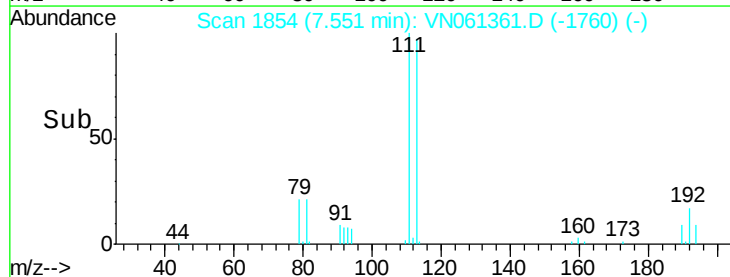
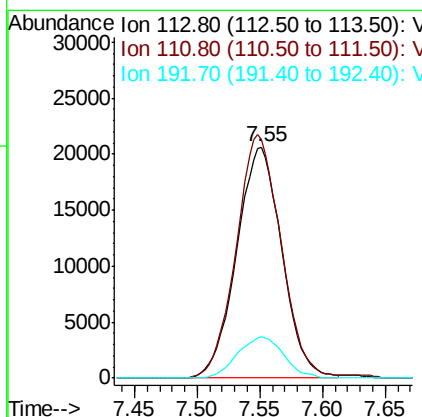
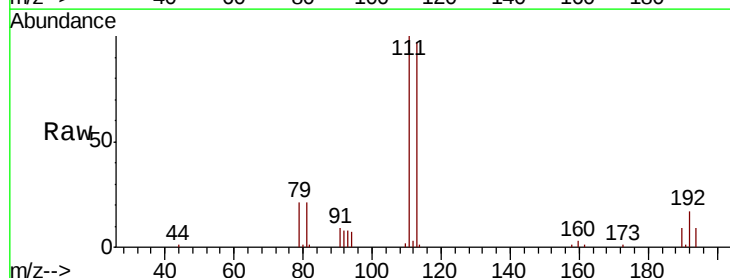
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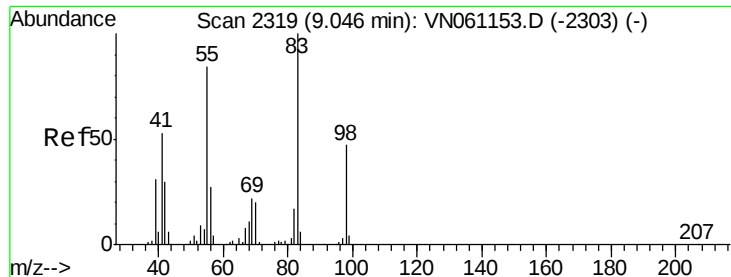
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#35
 Dibromofluoromethane
 Concen: 49.427 ug/l
 RT: 7.55 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VN061361.D
 Acq: 8 May 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	51703		
111	104.5	82.9	124.3	
192	18.2	14.7	22.1	





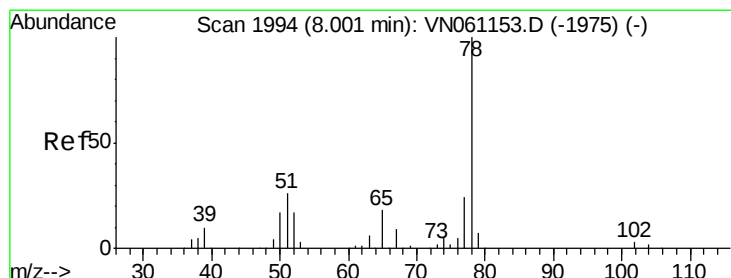
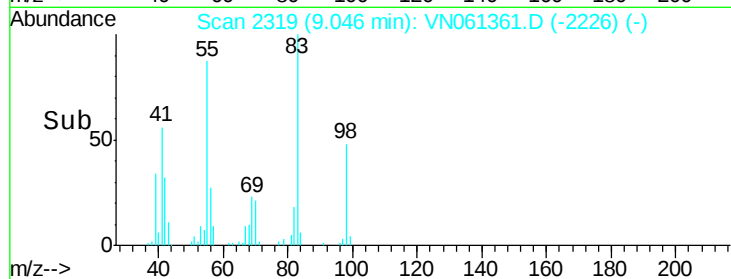
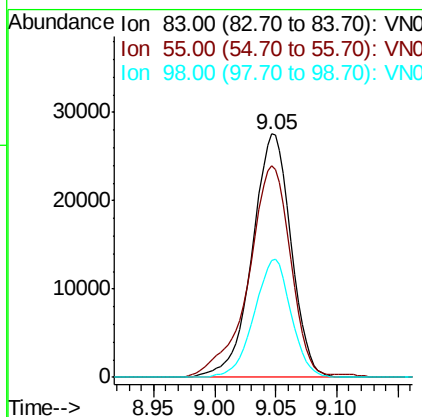
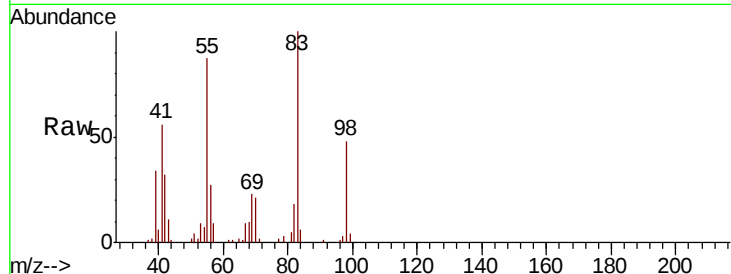
#39
Methvlcvclohexane
Concen: 30.505 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061361.D
Acq: 8 May 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
SS037MW266-200505

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	67.3	100.9
98	47.9	37.7	56.5

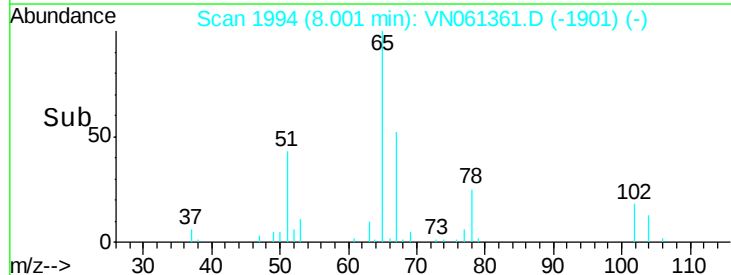
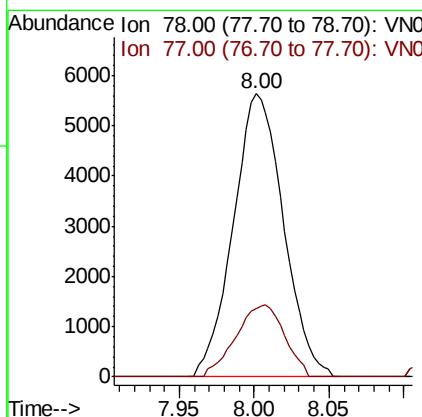
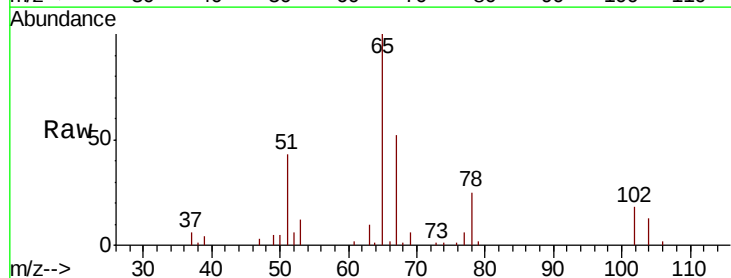
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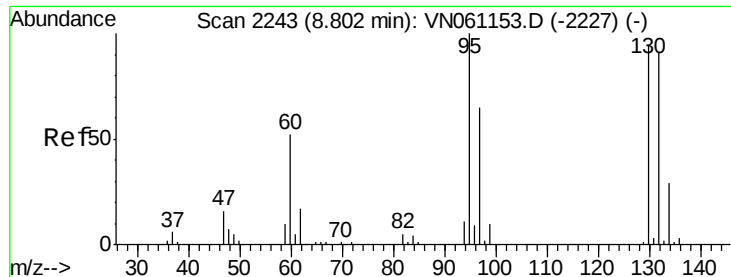
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#40
Benzene
Concen: 2.495 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061361.D
Acq: 8 May 2020 14:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





#44

Trichloroethene

Concen: 4.098 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061361.D

Acq: 8 May 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

SS037MW266-200505

Tot Ion:130 Resp: 5844

Ion Ratio Lower Upper

130 100

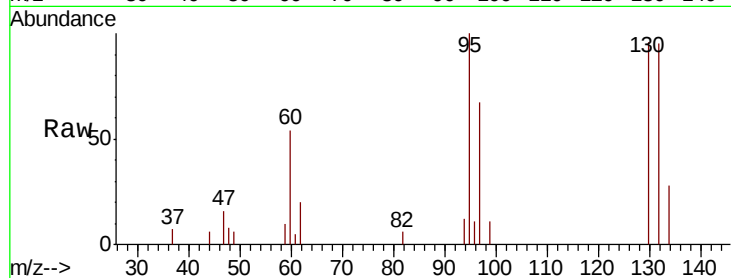
95 104.0 0.0 212.4

Manual Integrations

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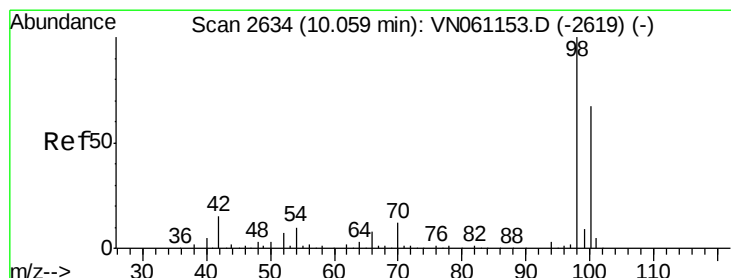
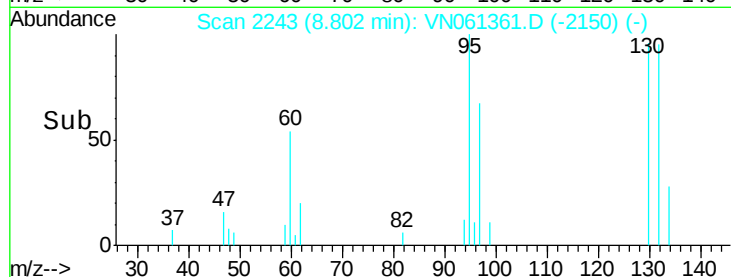
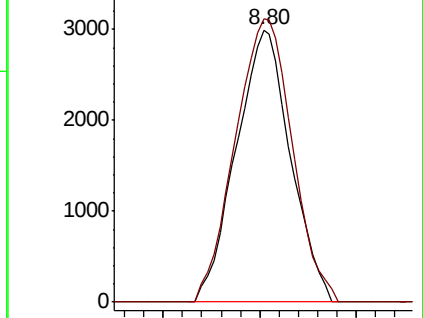
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 51.772 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061361.D

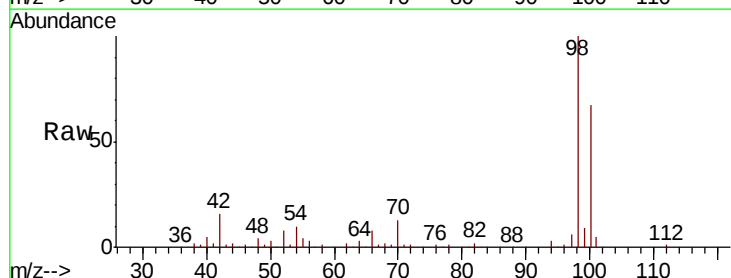
Acq: 8 May 2020 14:59

Tgt Ion: 98 Resp: 220769

Ion Ratio Lower Upper

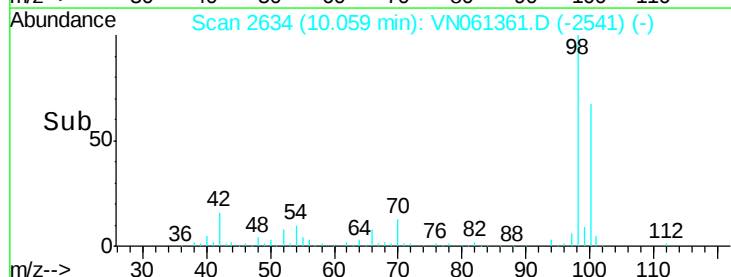
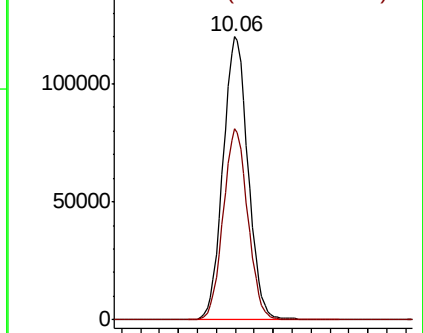
98 100

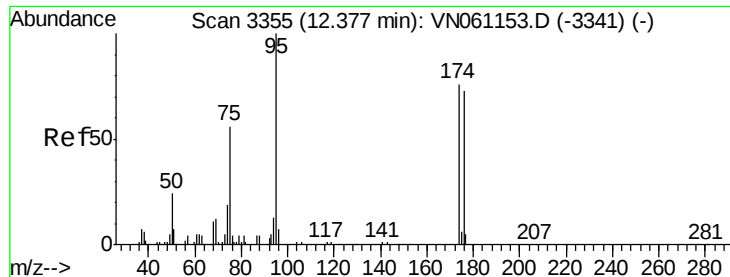
100 66.4 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





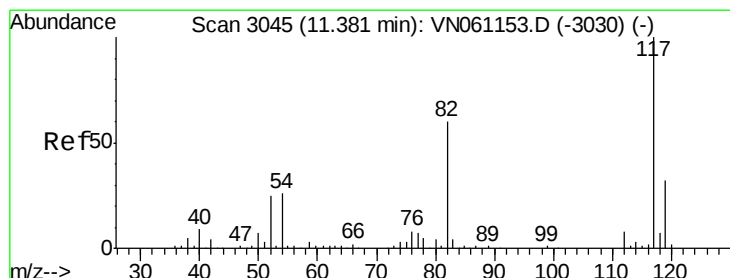
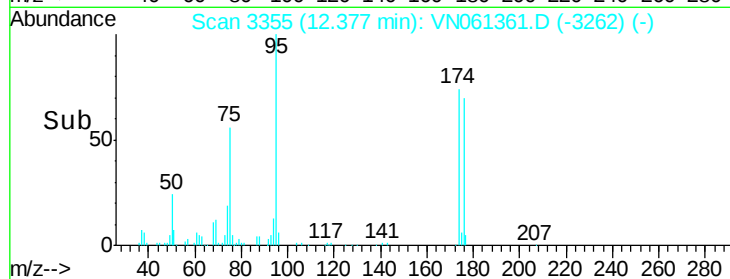
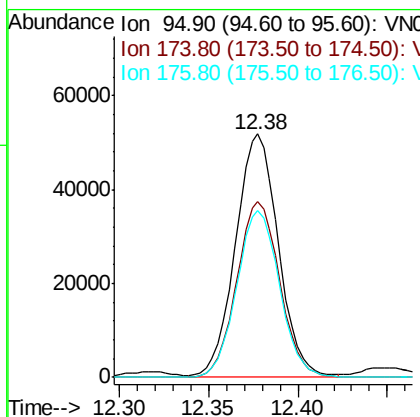
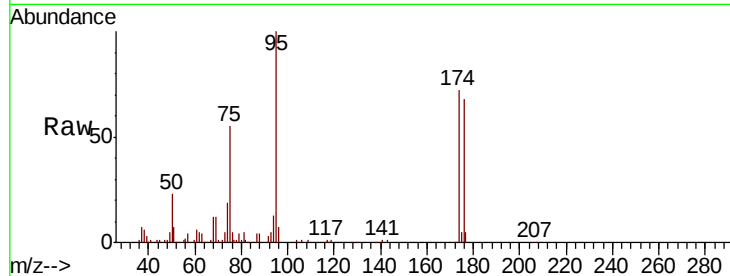
#62
4-Bromofluorobenzene
Concen: 54.207 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061361.D
Acq: 8 May 2020 14:59

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Tot Ion	Ratio	Resp	Lower	Upper
95	100	86986		
174	71.9	0.0	149.4	
176	68.1	0.0	144.8	

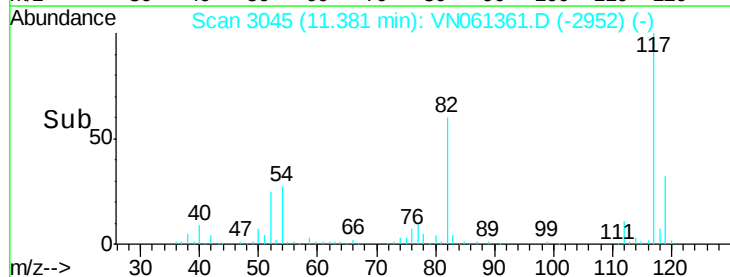
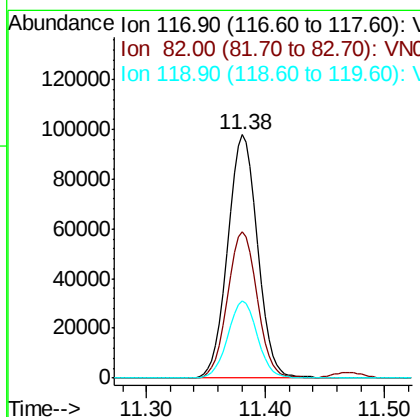
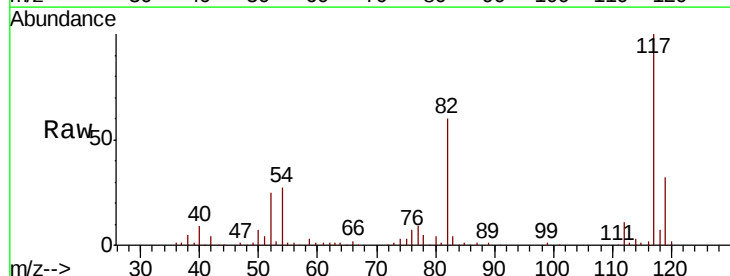
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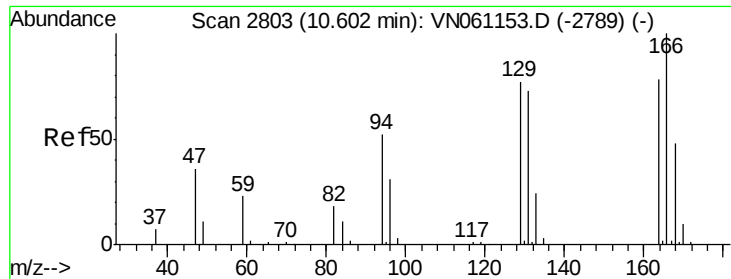
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061361.D
Acq: 8 May 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	170153		
82	60.2	47.8	71.8	
119	31.8	25.8	38.6	





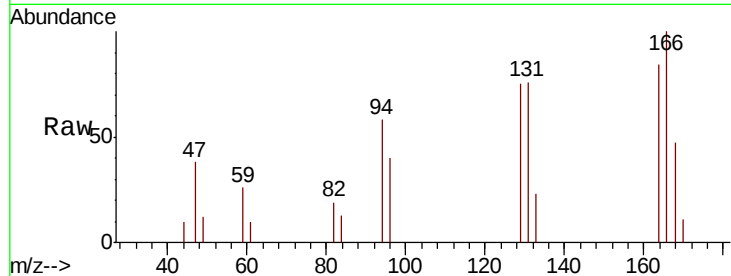
#64
Tetrachloroethene
Concen: 1.616 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061361.D
Acq: 8 May 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
SS037MW266-200505

Tot Ion	Ratio	Lower	Upper
164	100		
166	118.7	102.0	153.0
129	89.1	78.2	117.2
131	90.0	74.5	111.7

Manual Integrations
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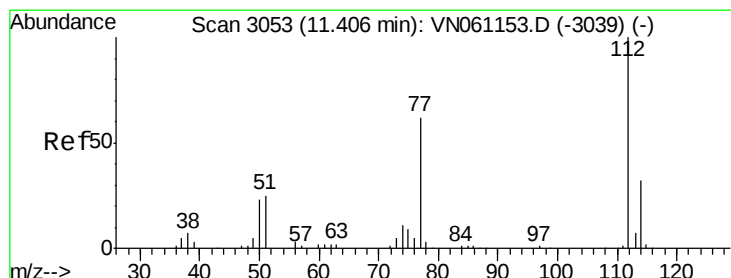
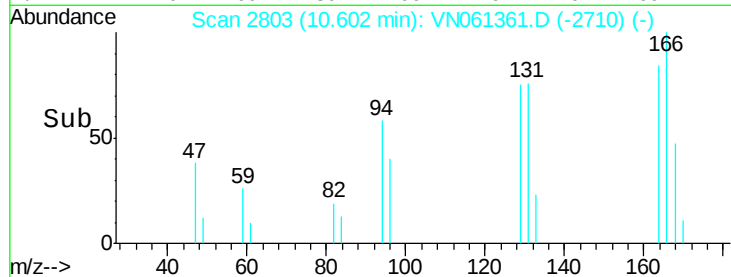
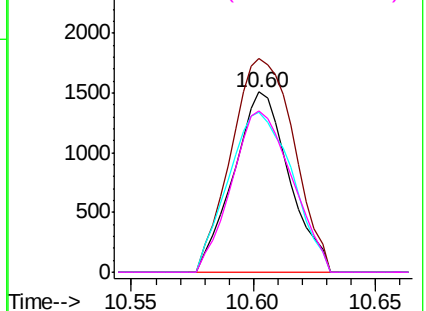
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

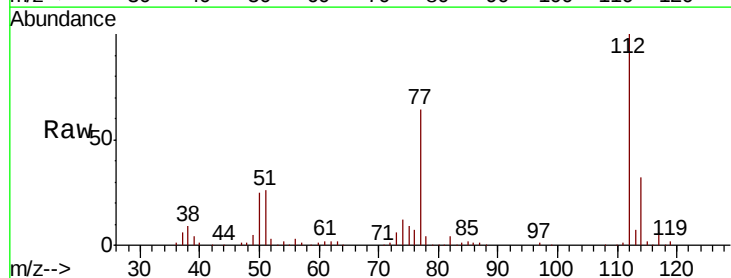
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 73.329 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061361.D
Acq: 8 May 2020 14:59

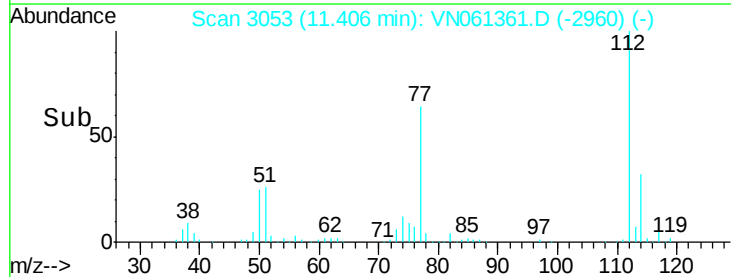
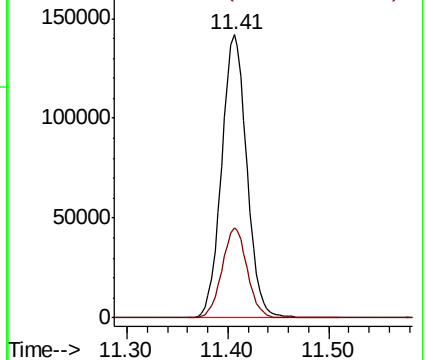
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.2

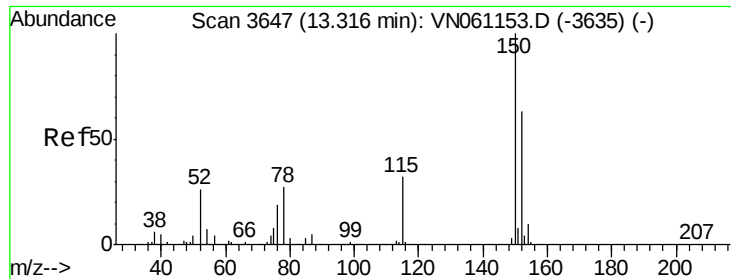


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061361.D

Acq: 8 May 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

SS037MW266-200505

Tot Ion:152 Resp: 77760

Ion Ratio Lower Upper

152 100

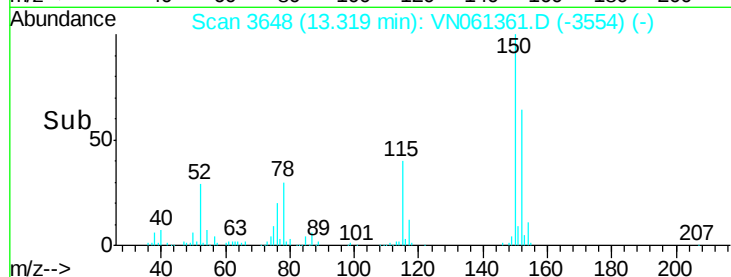
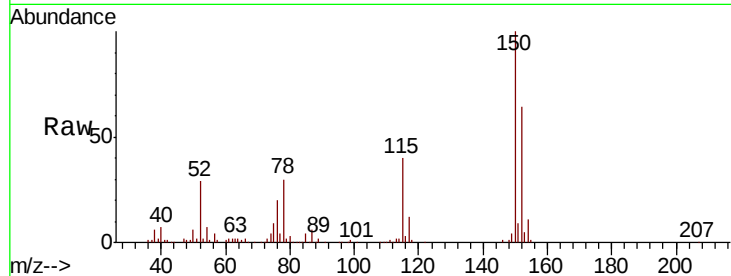
115 63.0 31.0 93.0

150 158.1 0.0 351.8

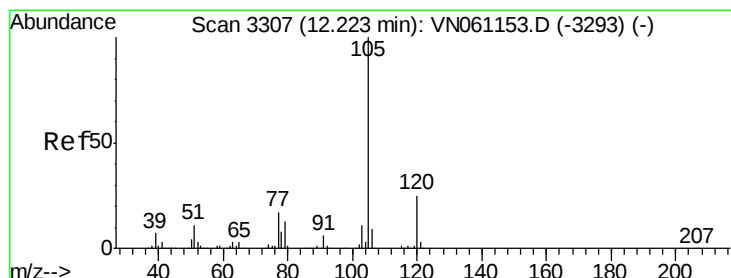
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Time-->



#73

Isopropylbenzene

Concen: 7.385 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061361.D

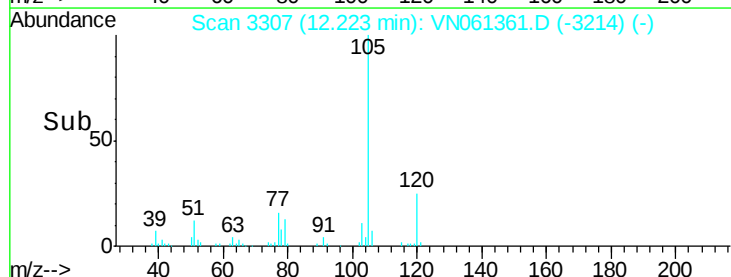
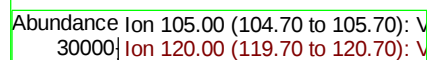
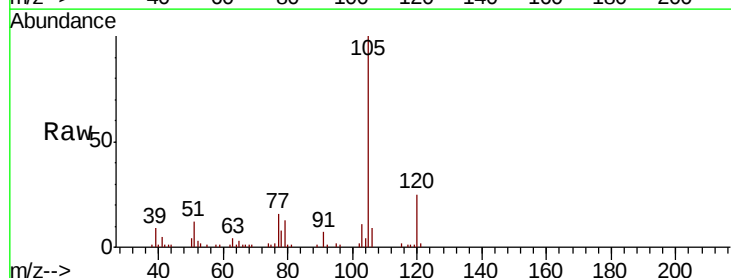
Acq: 8 May 2020 14:59

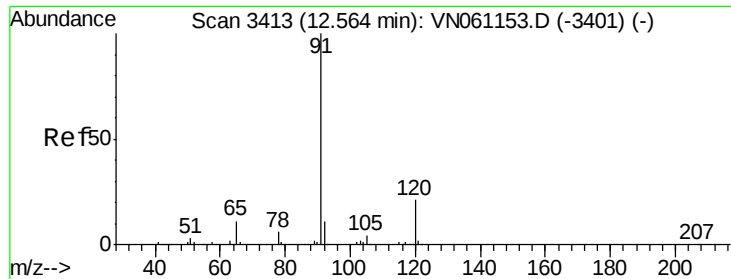
Tgt Ion:105 Resp: 42218

Ion Ratio Lower Upper

105 100

120 25.4 12.6 37.8





#78

n-propylbenzene

Concen: 8.520 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061361.D

Acq: 8 May 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

SS037MW266-200505

Tot Ion: 91 Resp: 57767

Ion Ratio Lower Upper

91 100

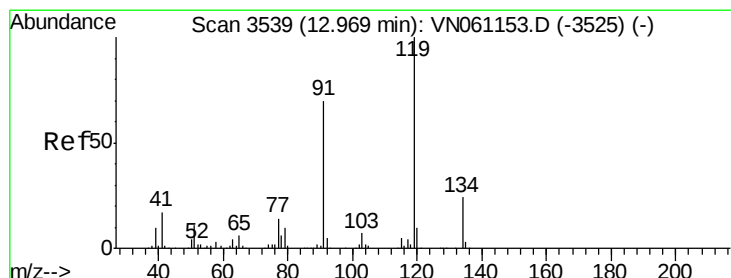
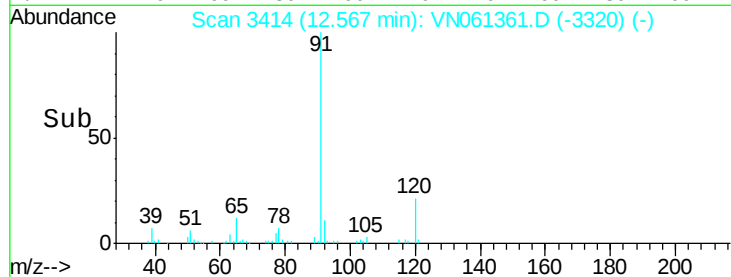
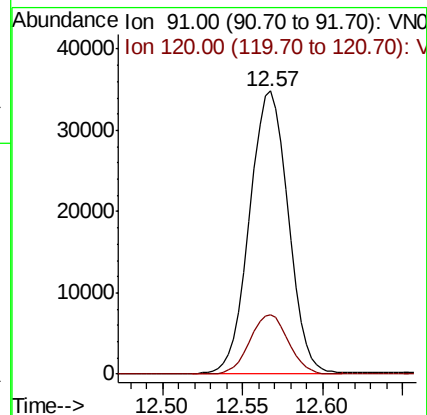
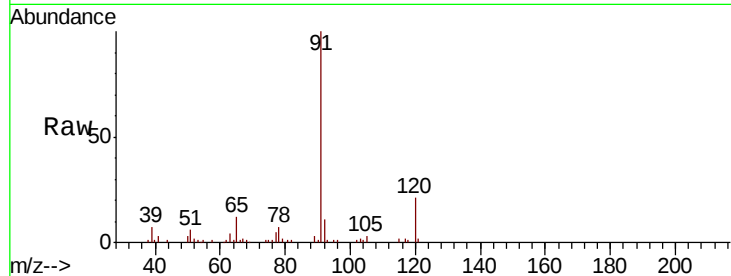
120 20.7 10.8 32.3

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#83

tert-Butylbenzene

Concen: 3.078 ug/l

RT: 12.97 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN061361.D

Acq: 8 May 2020 14:59

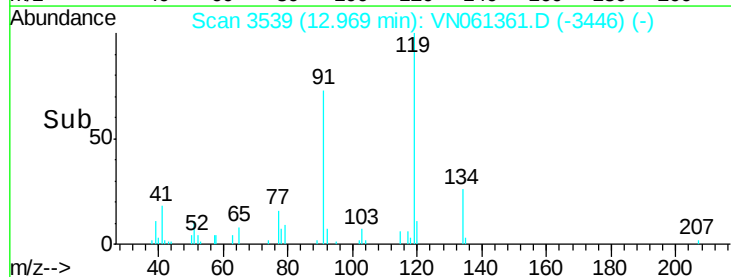
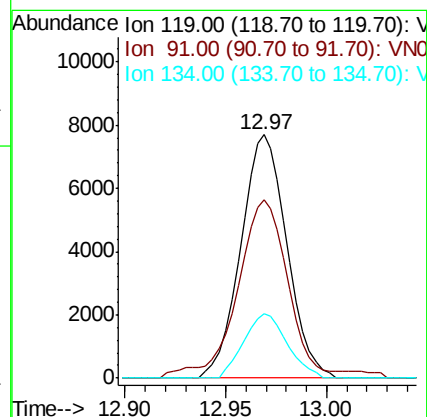
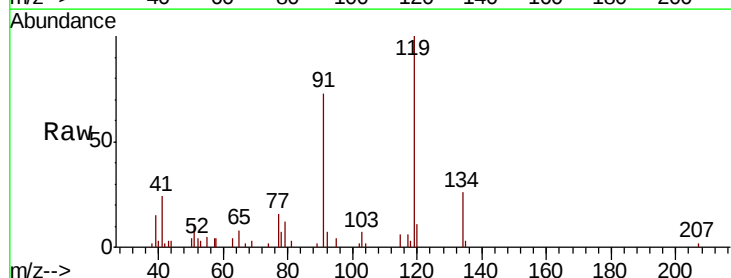
Tgt Ion: 119 Resp: 12280

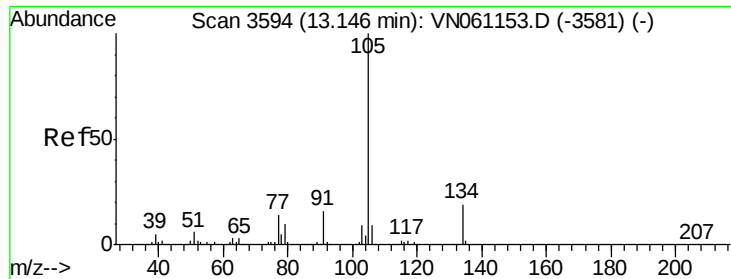
Ion Ratio Lower Upper

119 100

91 80.3 34.8 104.4

134 25.0 12.9 38.7





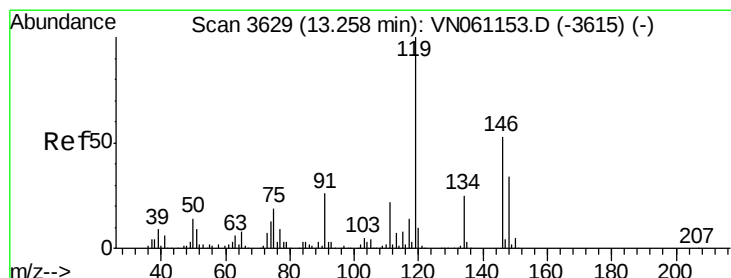
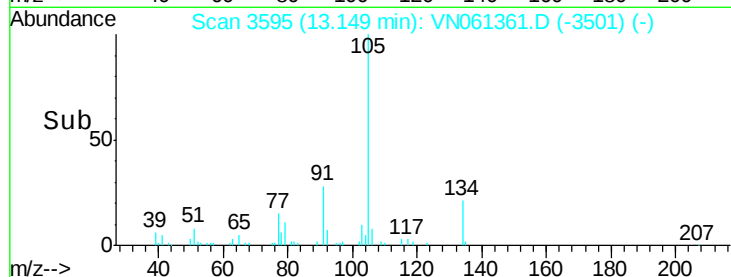
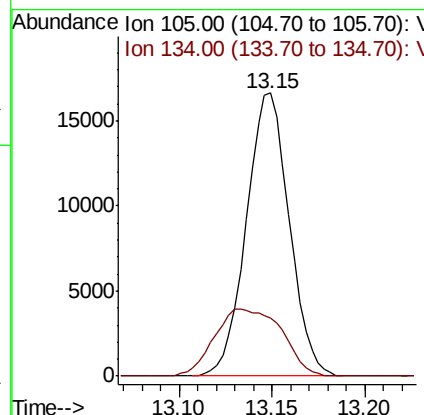
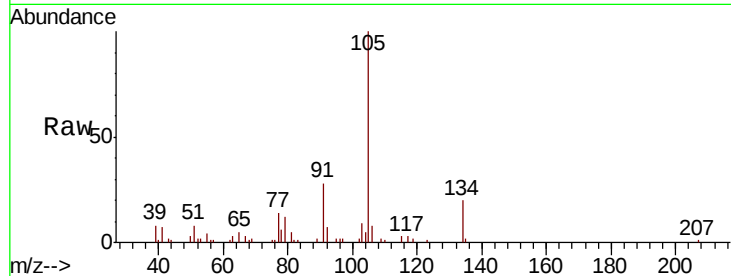
#85
 sec-Butylbenzene
 Concen: 4.901 ug/l
 RT: 13.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VN061361.D
 Acq: 8 May 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 SS037MW266-200505

Tot Ion	Ratio	Lower	Upper
105	100		
134	37.2	9.6	28.8#

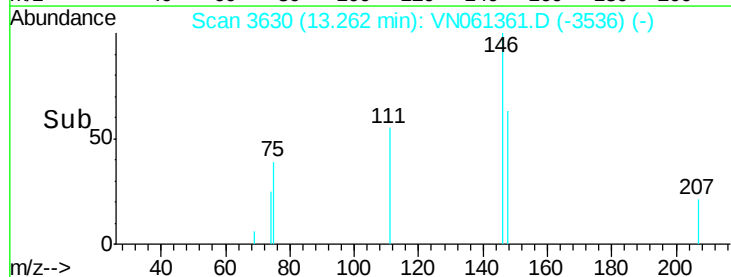
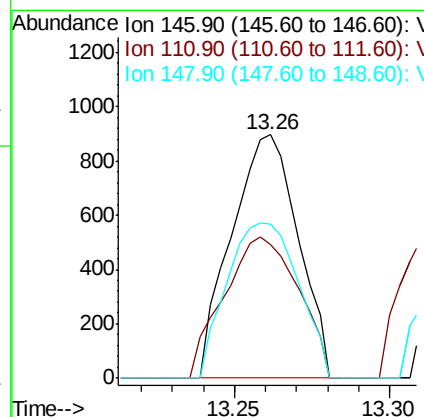
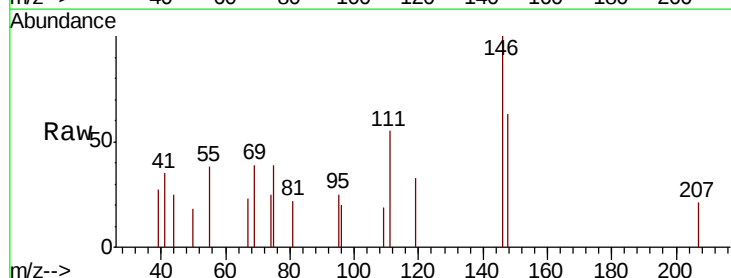
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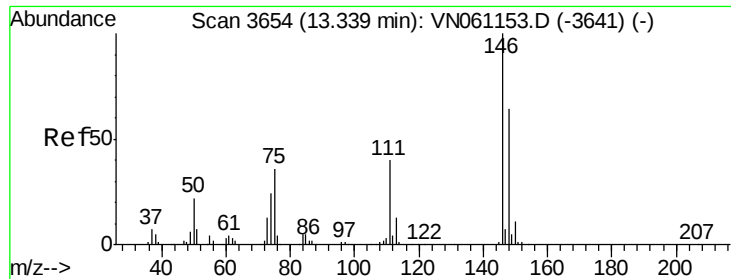
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#87
 1,3-Dichlorobenzene
 Concen: 0.549 ug/l m
 RT: 13.26 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VN061361.D
 Acq: 8 May 2020 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	328.8	20.7	62.1#
148	389.6	31.8	95.3#





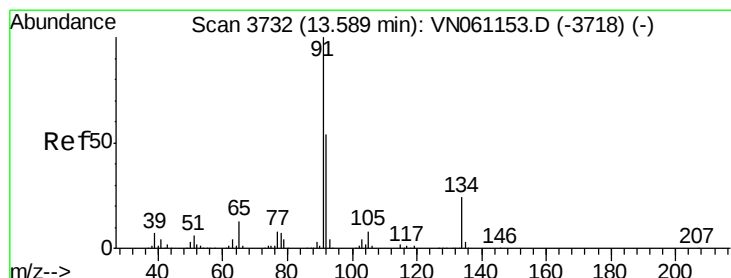
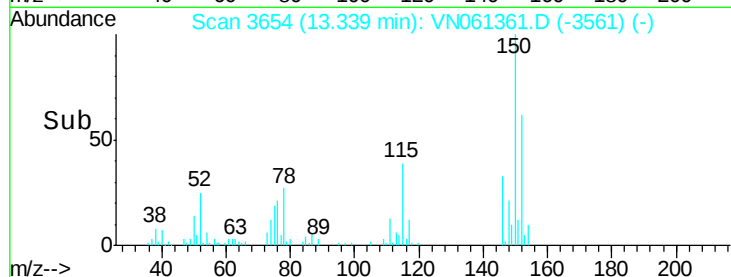
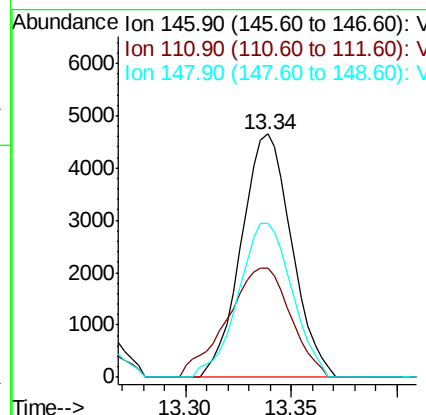
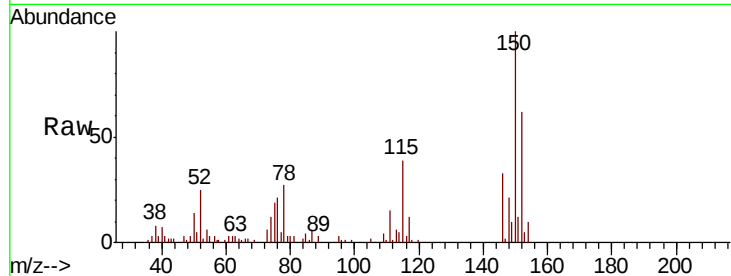
#88
 1,4-Dichlorobenzene
 Concen: 3.112 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061361.D
 Acq: 8 May 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 SS037MW266-200505

Tot Ion	Ratio	Lower	Upper
146	100		
111	56.7	20.4	61.3
148	67.2	31.9	95.7

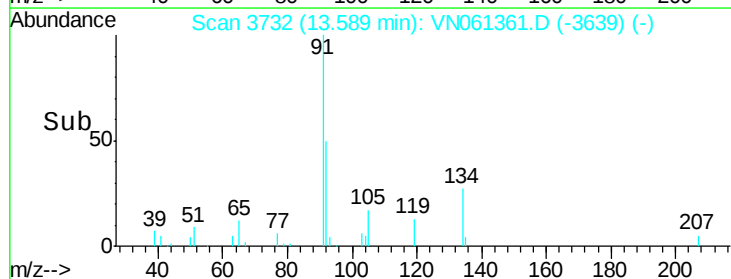
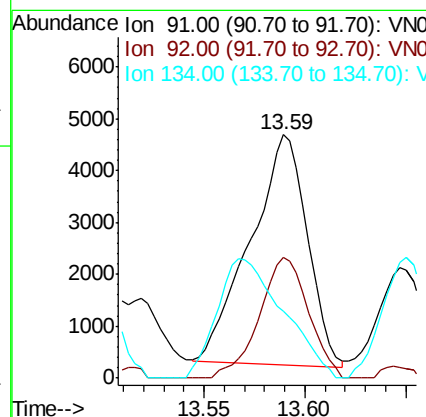
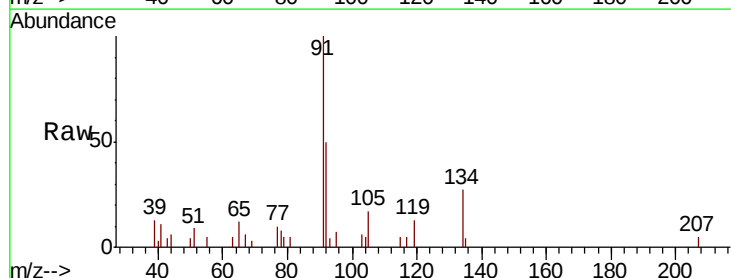
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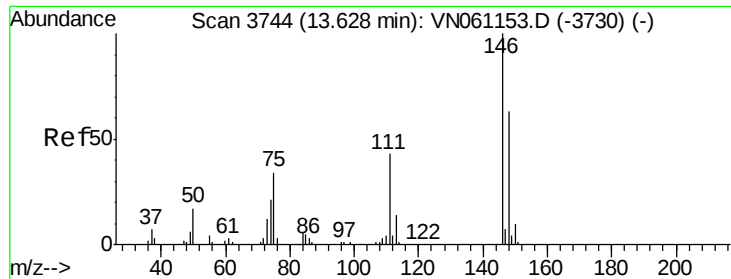
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#89
 n-Butylbenzene
 Concen: 1.947 ug/l
 RT: 13.59 min Scan# 3732
 Delta R.T. 0.00 min
 Lab File: VN061361.D
 Acq: 8 May 2020 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.0	26.8	80.3
134	0.0	11.9	35.5#





#91
 1,2-Dichlorobenzene
 Concen: 0.819 ug/l
 RT: 13.63 min Scan# 3745
 Delta R.T. 0.00 min
 Lab File: VN061361.D
 Acq: 8 May 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 SS037MW266-200505

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.4	21.8	65.3
148	63.5	31.6	95.0

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