

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051531.D
 Acq On : 26 Sep 2018 11:59
 Operator : MD\SY
 Sample : J5053-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW08-GW

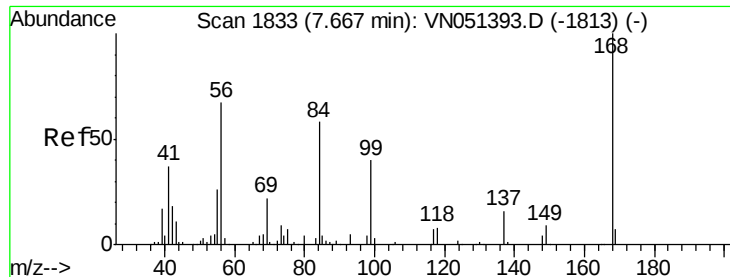
Manual Integrations
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Quant Time: Sep 27 17:49:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	842849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1193865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1071000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	573567	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	518850	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	7.59	113	444312	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
50) Toluene-d8	10.09	98	1751671	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	582546	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	5.05	73	631480	26.114	ug/l #	1
31) Cyclohexane	7.65	56	571507	34.376	ug/l	99
39) Methylcyclohexane	9.08	83	527898	32.664	ug/l	96
40) Benzene	8.04	78	4369977	107.652	ug/l	99
52) Toluene	10.16	92	2746773	108.880	ug/l	98
67) Ethyl Benzene	11.50	91	23726723m	512.361	ug/l	
68) m/p-Xylenes	11.61	106	30115194m	1681.244	ug/l	
69) o-Xylene	11.94	106	23645255m	1373.126	ug/l	
73) Isopropylbenzene	12.25	105	2765607	57.148	ug/l	100
78) n-propylbenzene	12.59	91	6789440	124.482	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	16031066m	406.251	ug/l	
84) 1,2,4-Trimethylbenzene	13.03	105	24716743m	621.591	ug/l	
85) sec-Butylbenzene	13.17	105	287634	6.053	ug/l #	64
86) p-Isopropyltoluene	13.29	119	238835m	5.809	ug/l	
95) Naphthalene	15.12	128	19752230m	785.254	ug/l	

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051531.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tgt Ion: 168 Resp: 842849

Ion Ratio Lower Upper

168 100

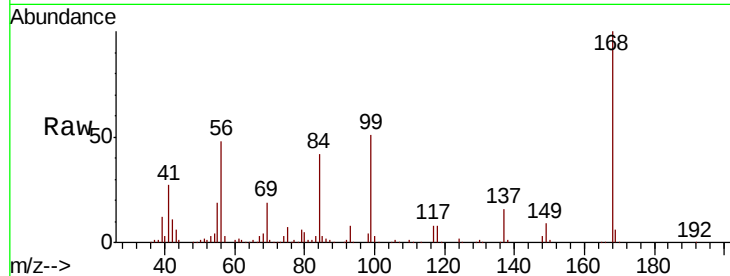
99 51.2 40.2 60.2

Manual Integrations

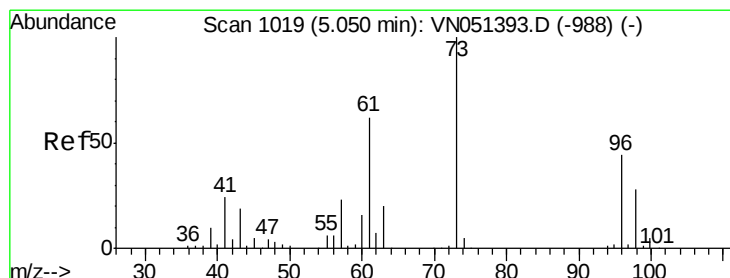
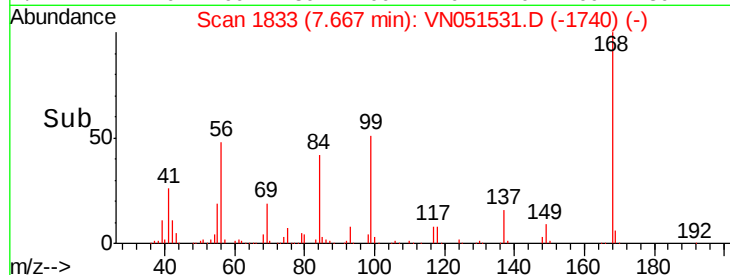
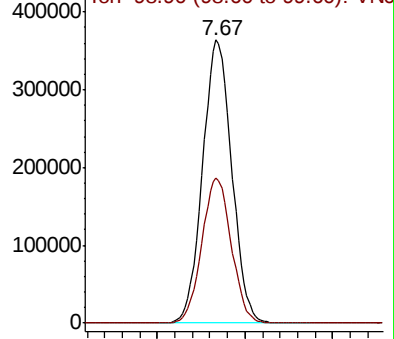
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Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)



#19

Methyl tert-butyl Ether

Concen: 26.114 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN051531.D

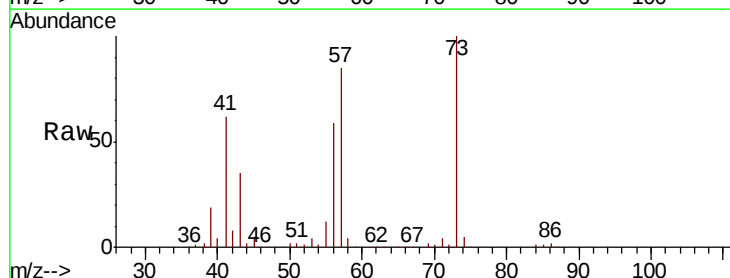
Acq: 26 Sep 2018 11:59

Tgt Ion: 73 Resp: 631480

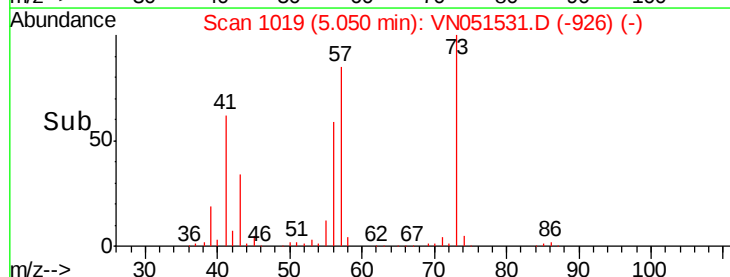
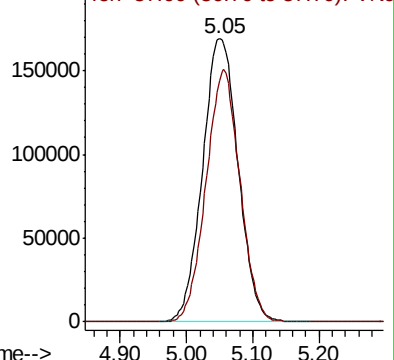
Ion Ratio Lower Upper

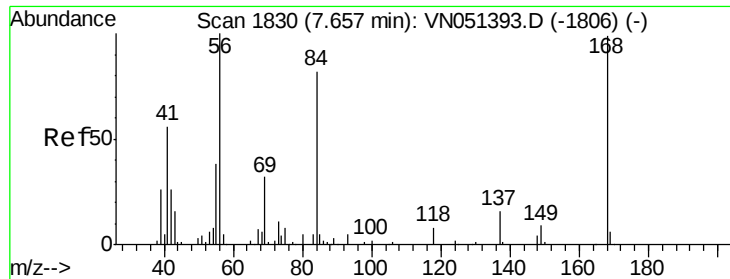
73 100

57 85.2 18.3 27.5#



Abundance Ion 73.00 (72.70 to 73.70): VN051393.D (-988) (-)





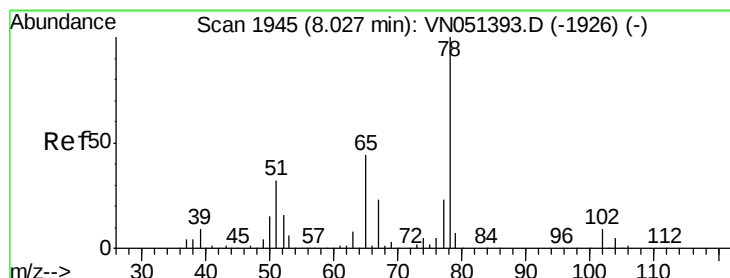
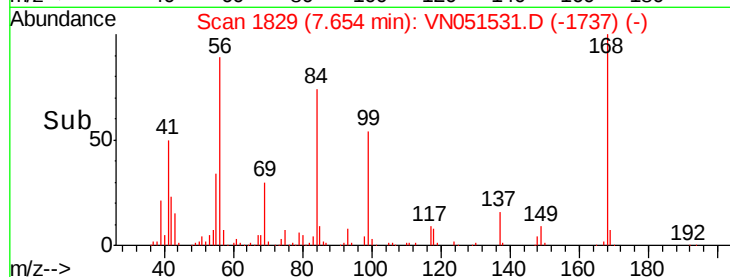
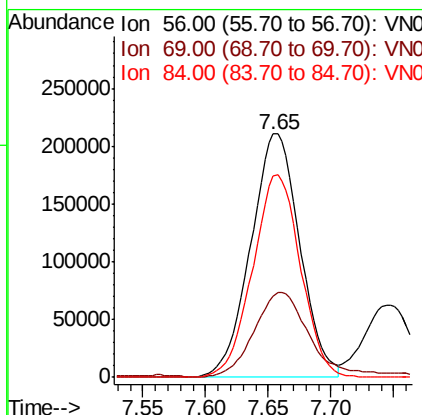
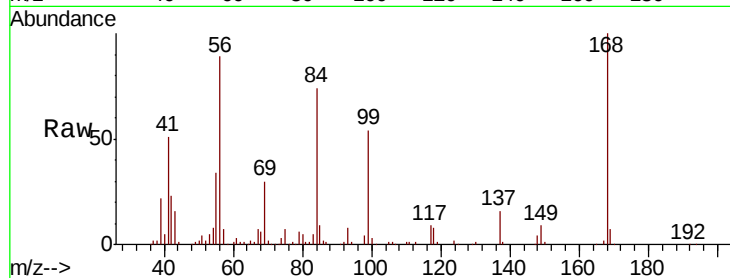
#31
Cyclohexane
Concen: 34.376 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.8	38.6
84	82.8	66.0	99.0

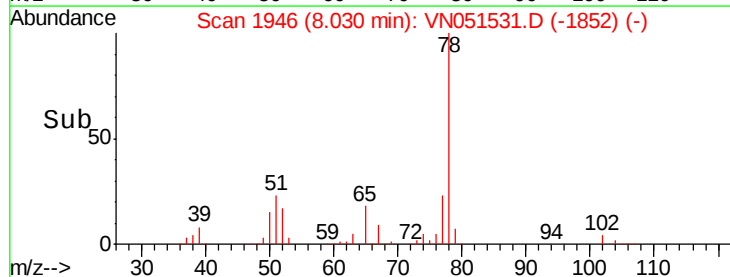
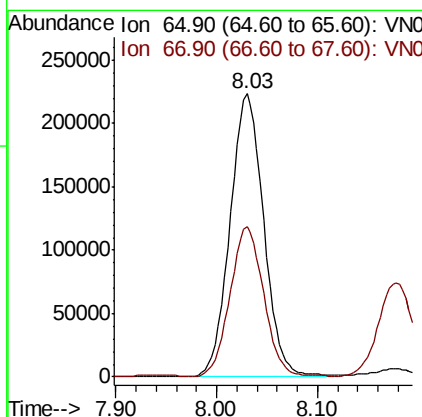
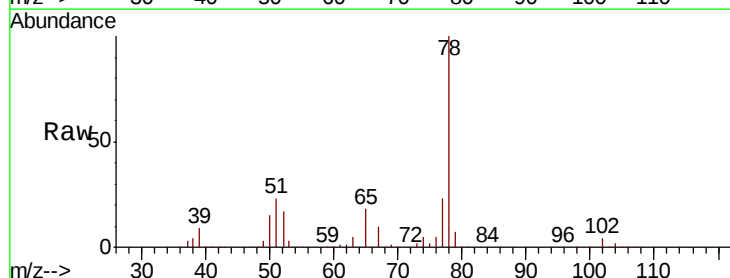
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#33
1,2-Dichloroethane-d4
Concen: 49.142 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	107.8





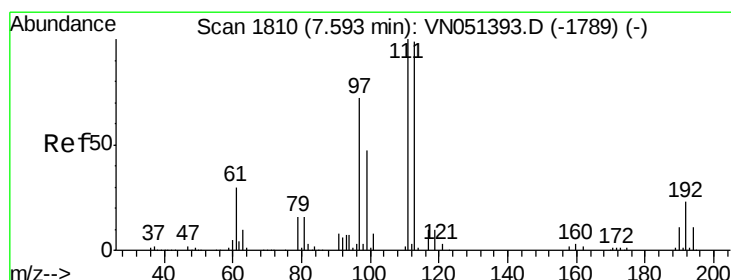
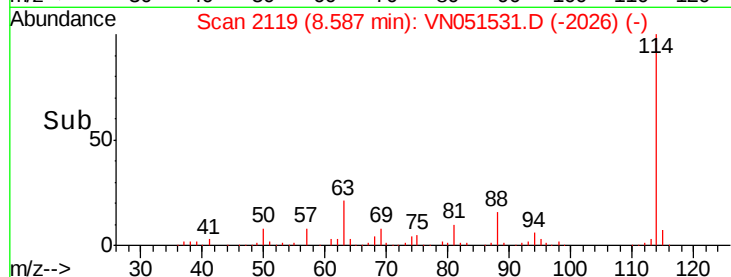
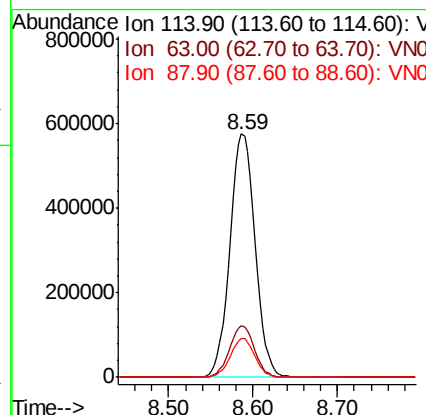
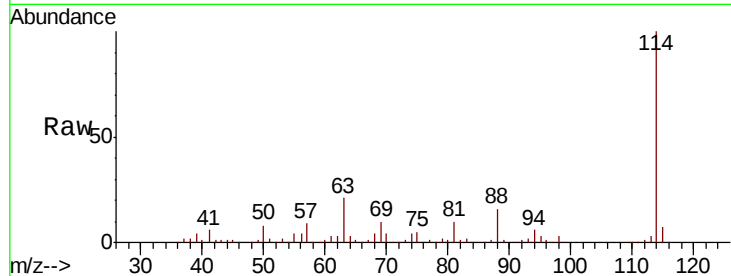
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051531.D
 Acq: 26 Sep 2018 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW08-GW

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1193865		
63	21.1	0.0	40.2	
88	15.8	0.0	31.4	

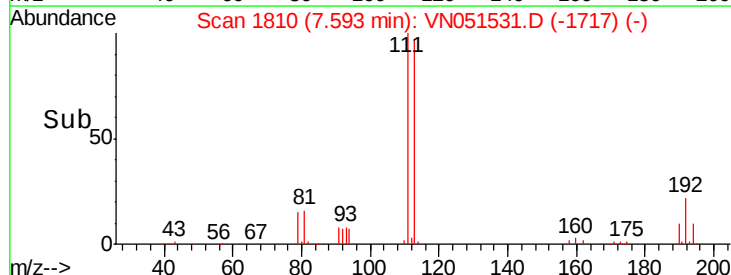
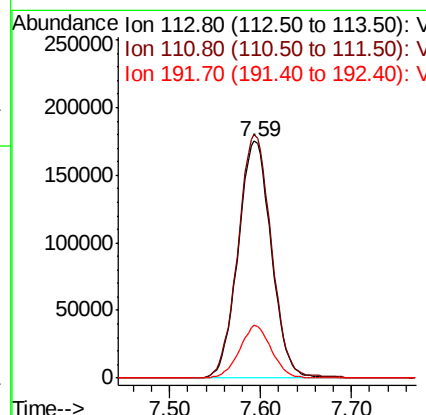
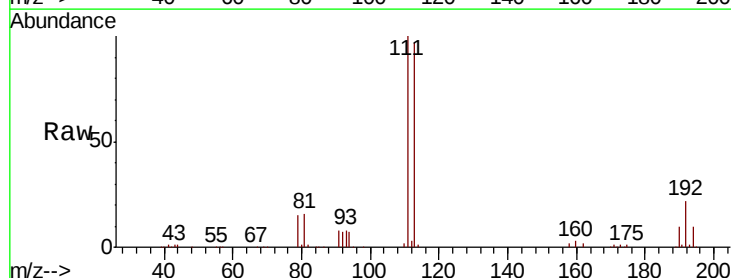
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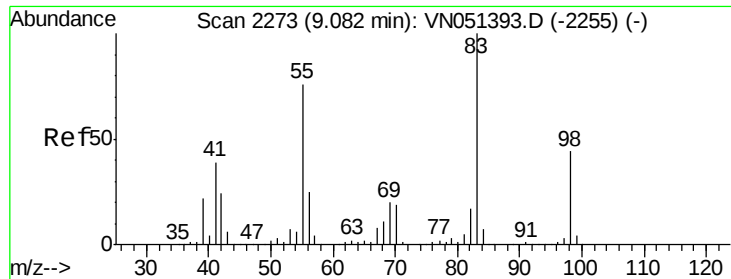
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#35
 Dibromofluoromethane
 Concen: 46.540 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051531.D
 Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	444312		
111	103.6	82.6	123.8	
192	21.3	18.0	27.0	





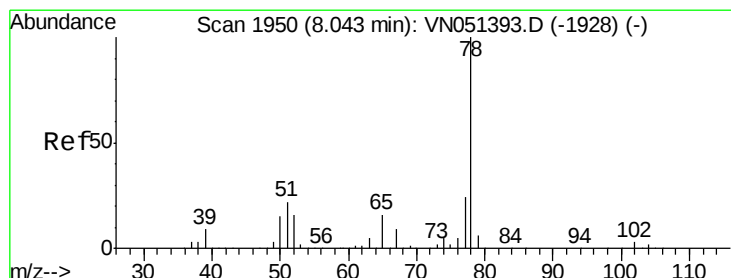
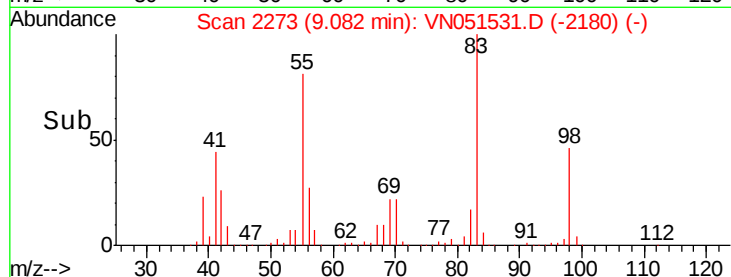
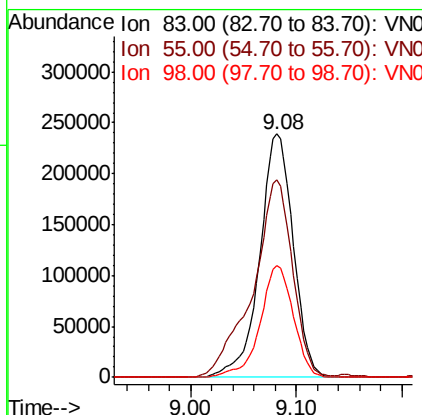
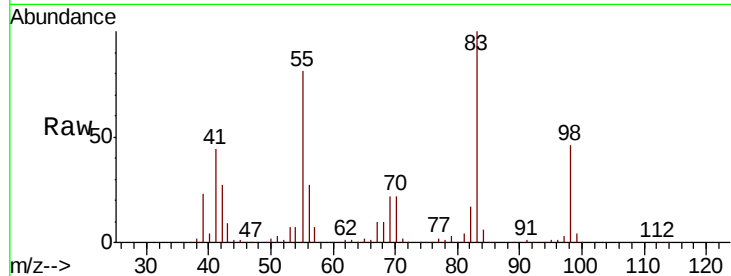
#39
Methylcyclohexane
Concen: 32.664 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.8	61.0	91.4
98	45.8	35.6	53.4

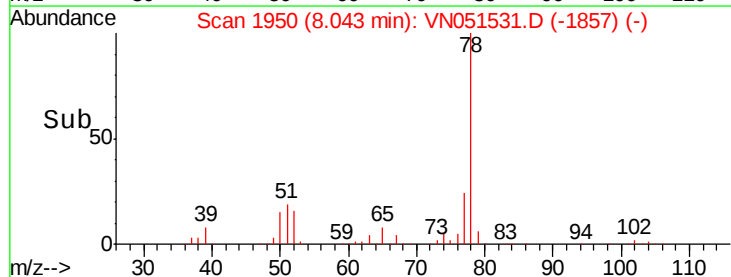
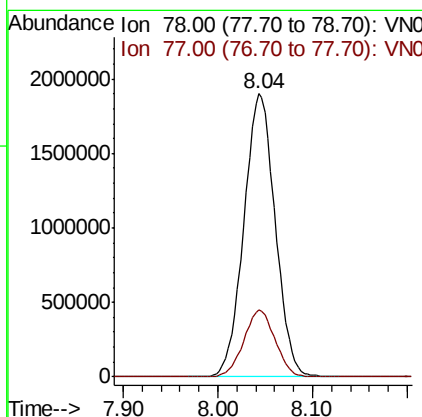
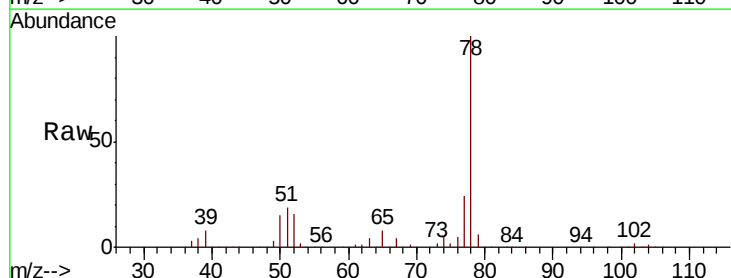
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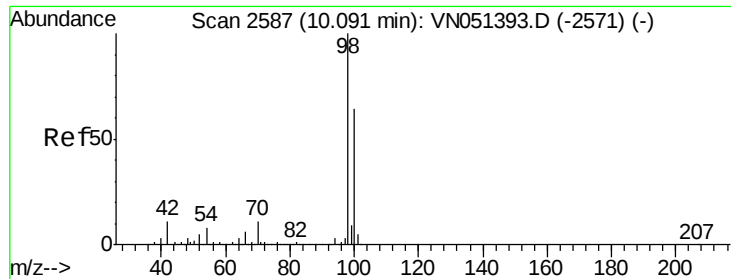
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#40
Benzene
Concen: 107.652 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





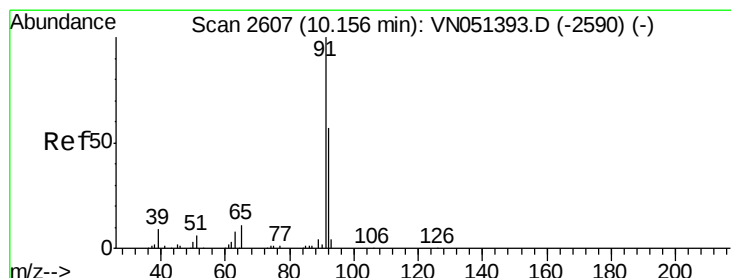
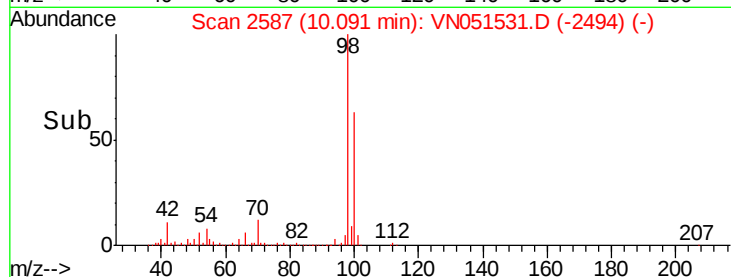
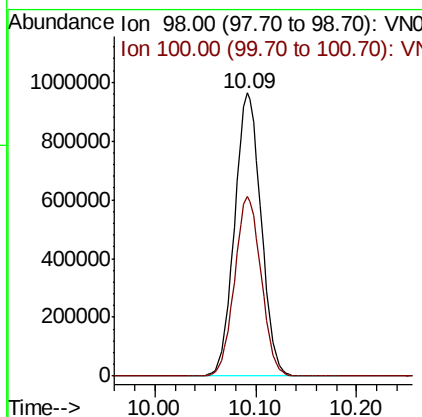
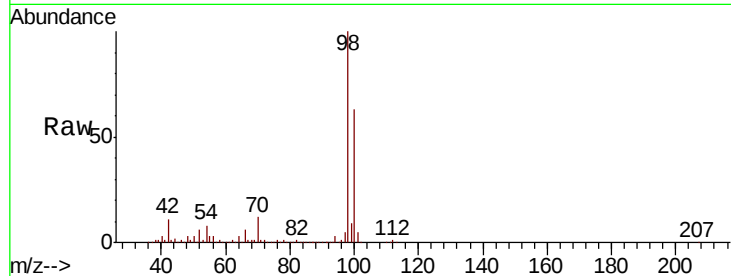
#50
Toluene-d8
Concen: 48.725 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Tgt Ion: 98 Resp: 1751671
Ion Ratio Lower Upper
98 100
100 63.6 50.6 75.8

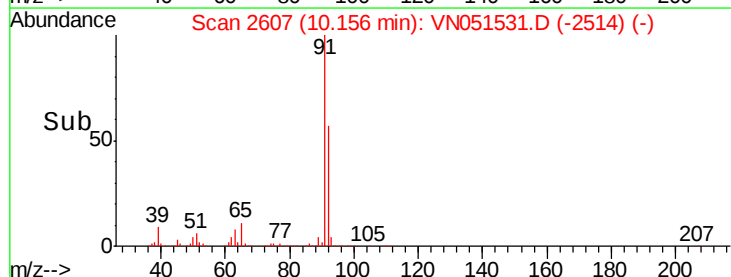
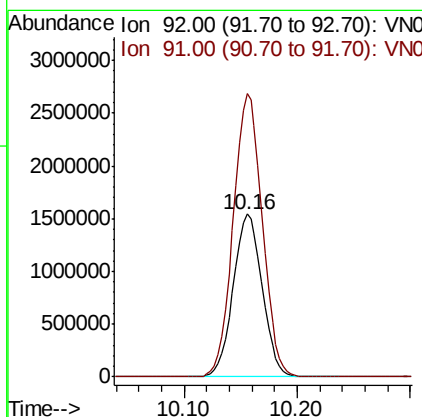
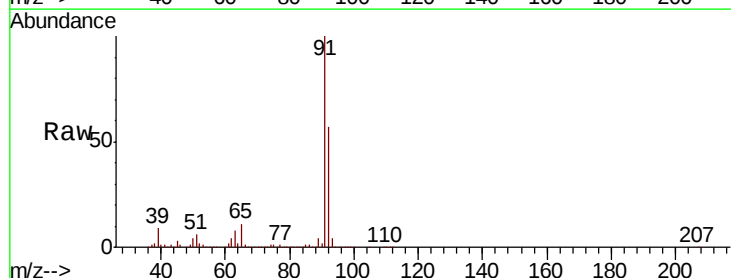
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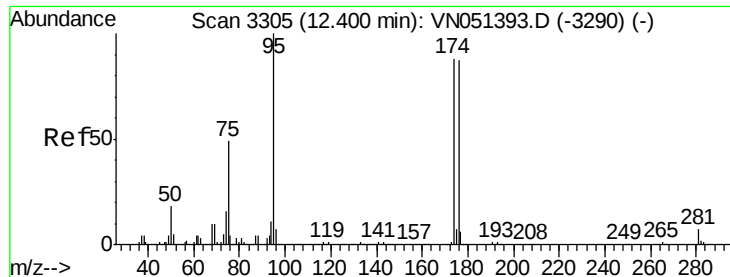
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#52
Toluene
Concen: 108.880 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Tgt Ion: 92 Resp: 2746773
Ion Ratio Lower Upper
92 100
91 174.7 142.2 213.4





#62

4-Bromofluorobenzene

Concen: 50.091 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051531.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tgt Ion: 95 Resp: 582546
Ion Ratio Lower Upper

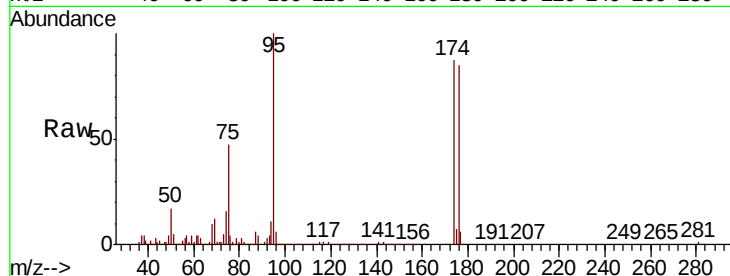
95 100

174 87.2 0.0 181.6

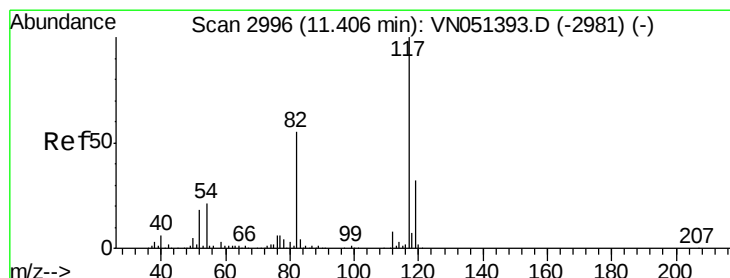
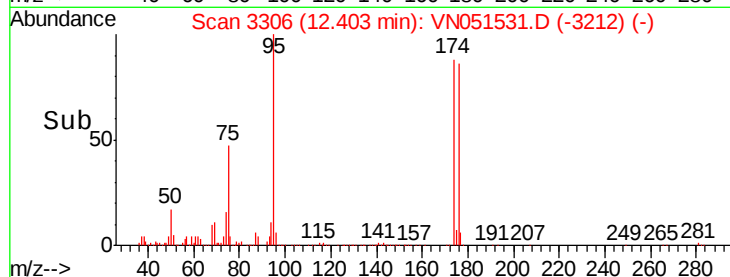
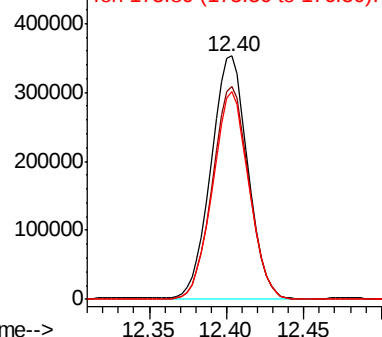
176 84.3 0.0 176.4

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Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051531.D

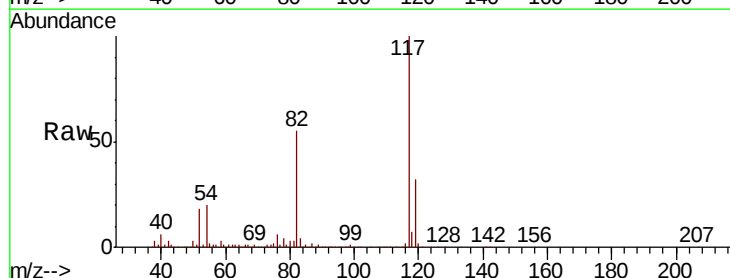
Acq: 26 Sep 2018 11:59

Tgt Ion: 117 Resp: 1071000
Ion Ratio Lower Upper

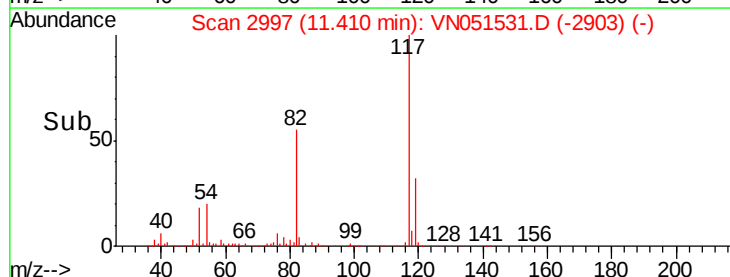
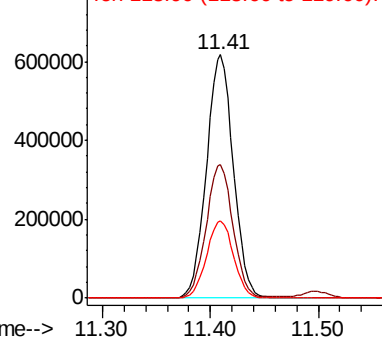
117 100

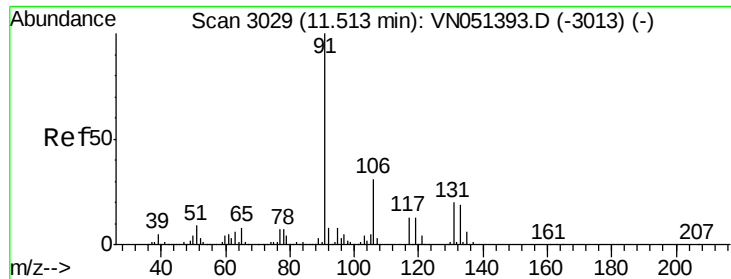
82 54.7 44.2 66.2

119 31.8 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)
Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)
Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)





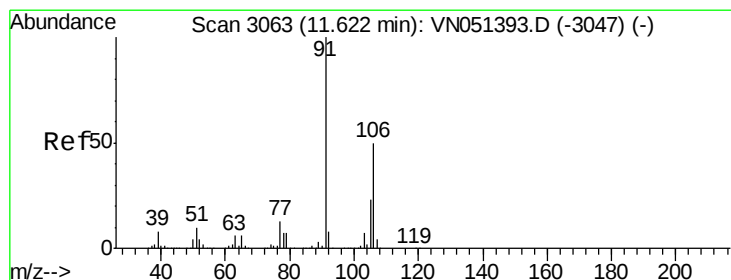
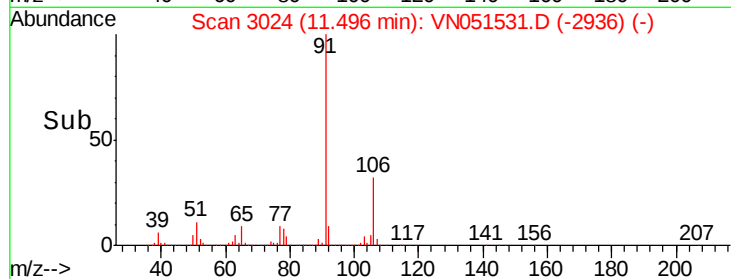
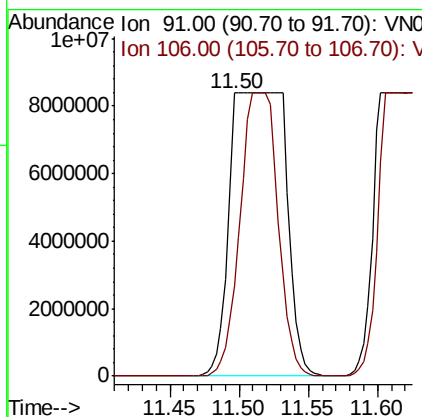
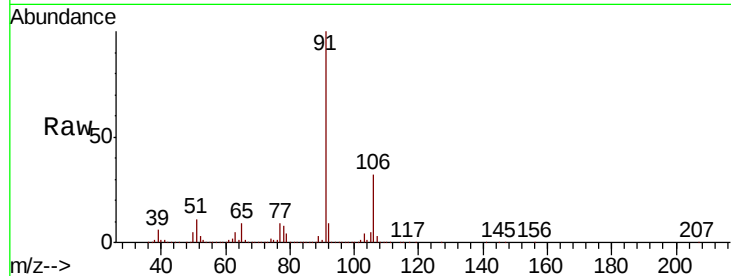
#67
Ethyl Benzene
Concen: 512.361 ug/l m
RT: 11.50 min Scan# 3024
Delta R.T. -0.02 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Tgt Ion: 91 Resp:23726723
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.4

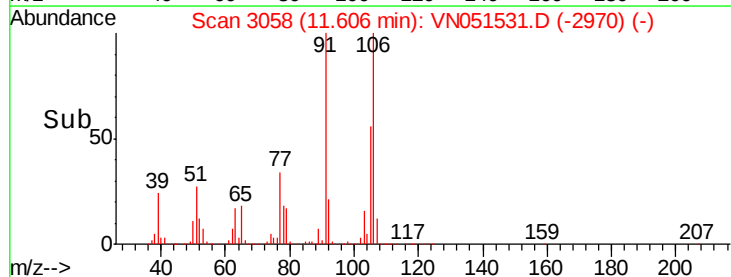
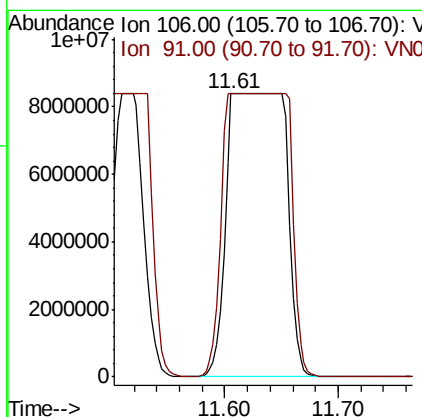
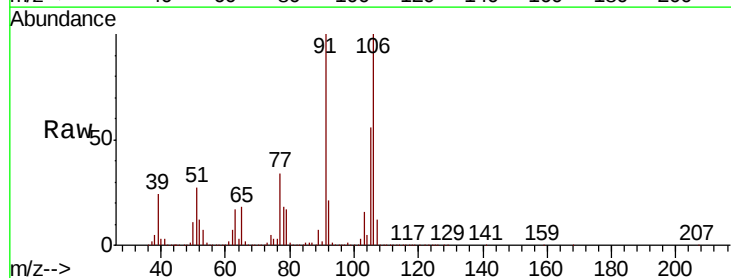
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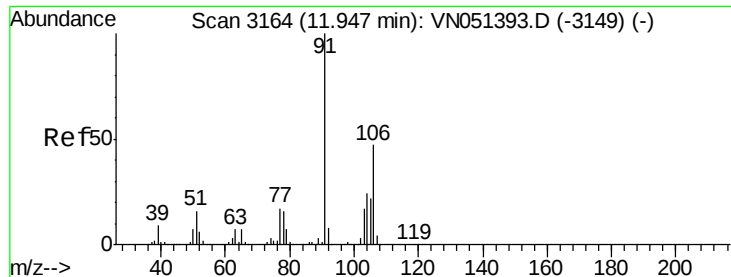
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#68
m/p-Xylenes
Concen: 1681.244 ug/l m
RT: 11.61 min Scan# 3058
Delta R.T. -0.02 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Tgt Ion:106 Resp:30115194
Ion Ratio Lower Upper
106 100
91 0.0 161.3 241.9#





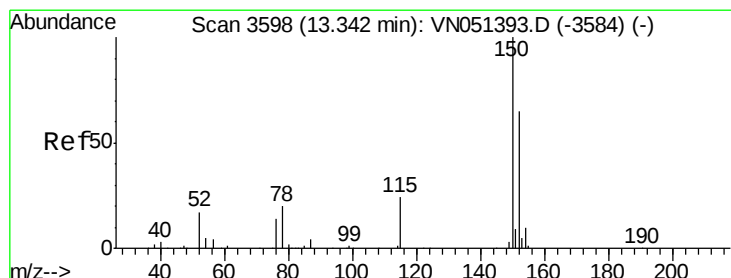
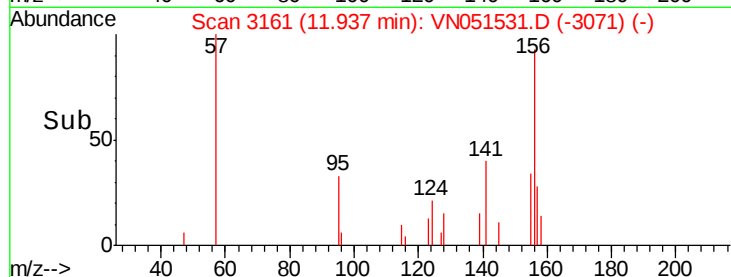
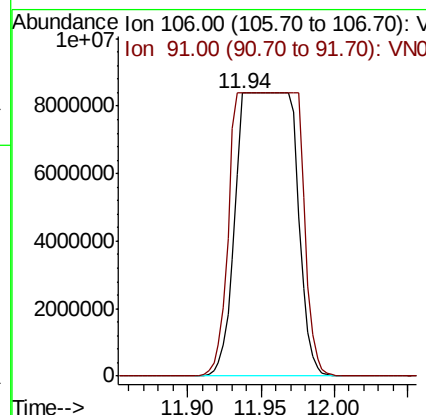
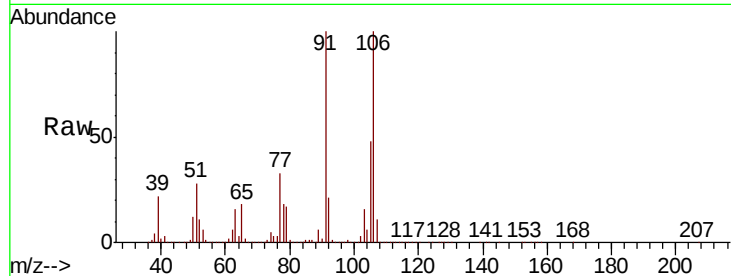
#69
o-Xylene
Concen: 1373.126 ug/l m
RT: 11.94 min Scan# 3161
Delta R.T. -0.01 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Tgt Ion:106 Resp:23645255
Ion Ratio Lower Upper
106 100
91 0.0 105.3 315.9#

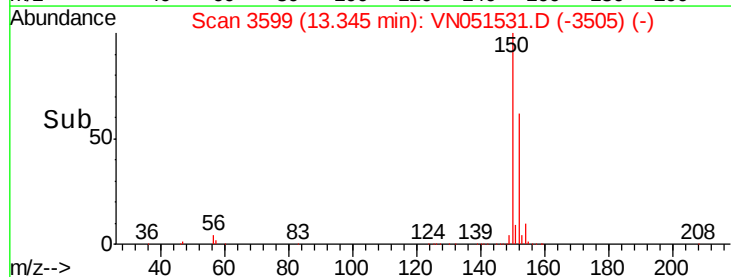
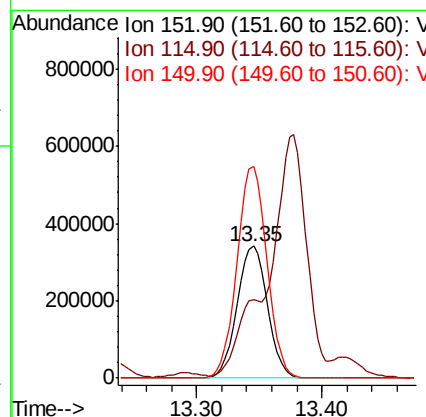
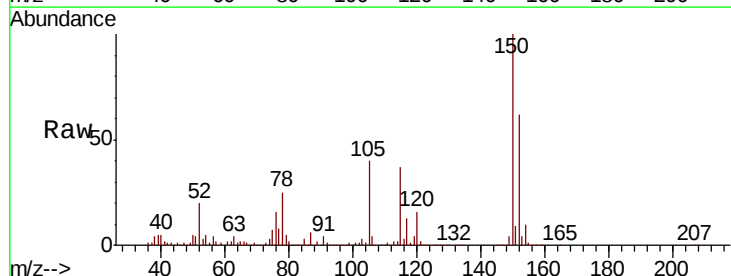
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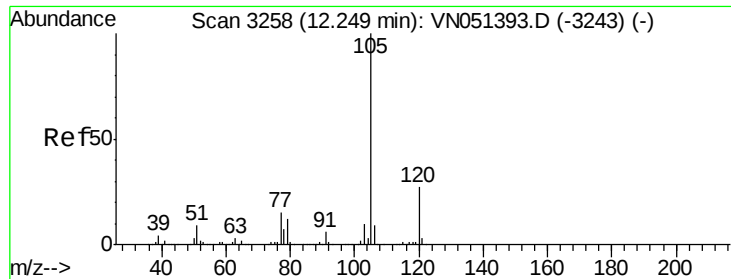
mmdadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Tgt Ion:152 Resp: 573567
Ion Ratio Lower Upper
152 100
115 46.0 28.3 84.9
150 158.2 0.0 353.6





#73

Isopropylbenzene

Concen: 57.148 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051531.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tgt Ion: 105 Resp: 2765607

Ion Ratio Lower Upper

105 100

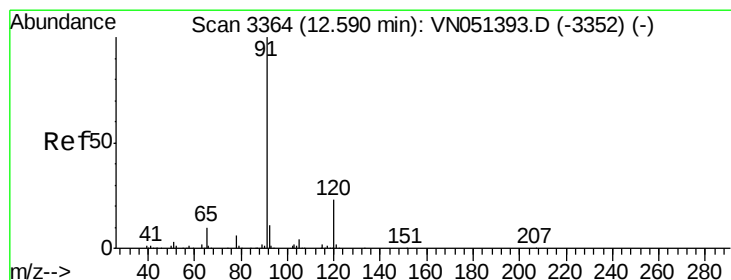
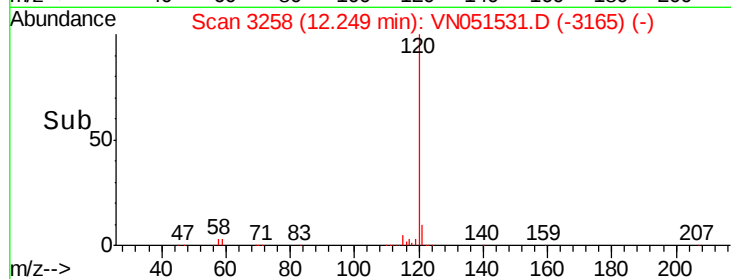
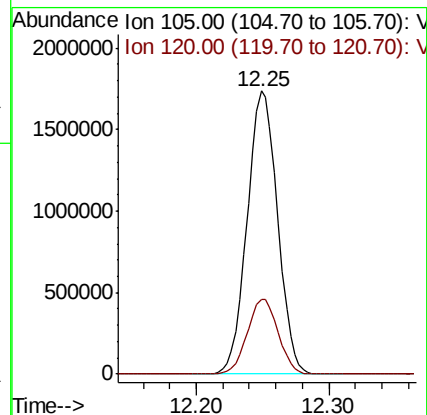
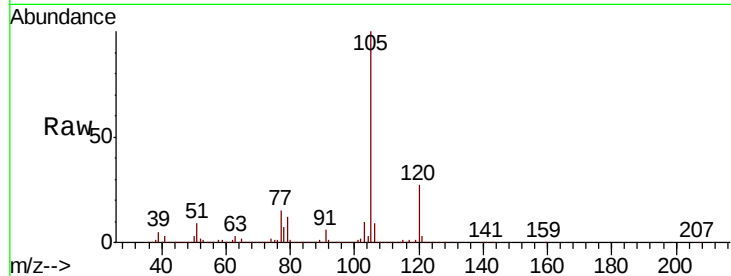
120 26.7 13.3 39.8

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#78

n-propylbenzene

Concen: 124.482 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051531.D

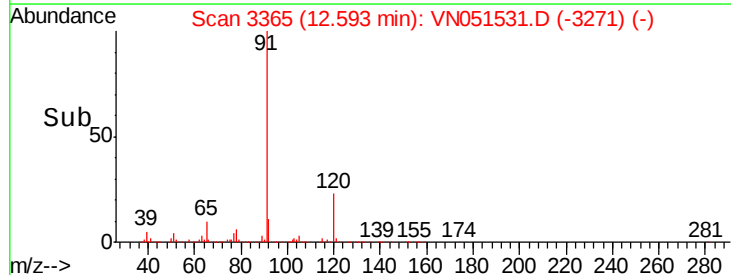
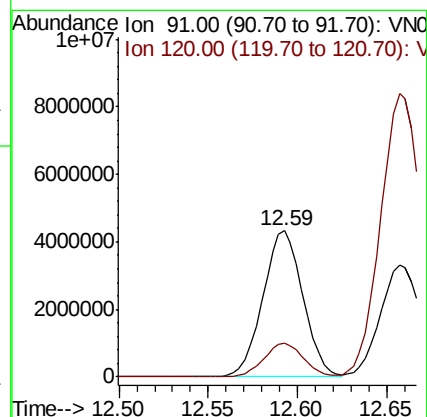
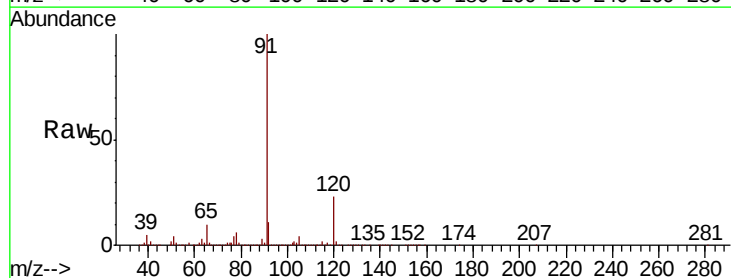
Acq: 26 Sep 2018 11:59

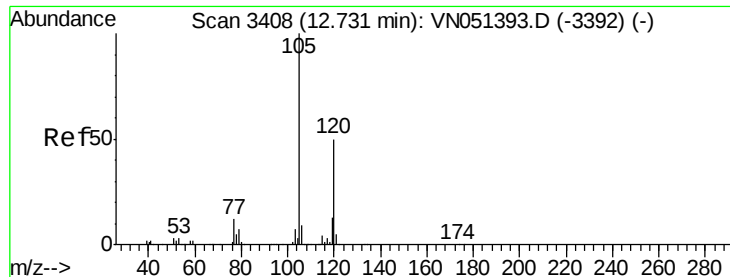
Tgt Ion: 91 Resp: 6789440

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.5





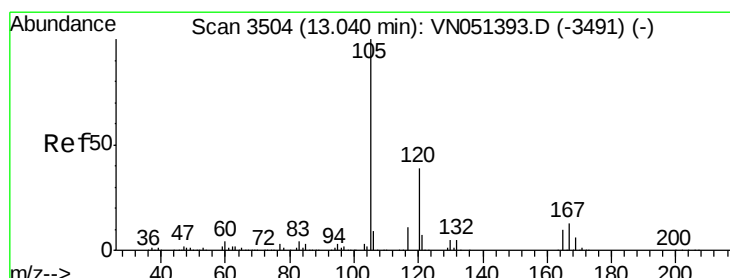
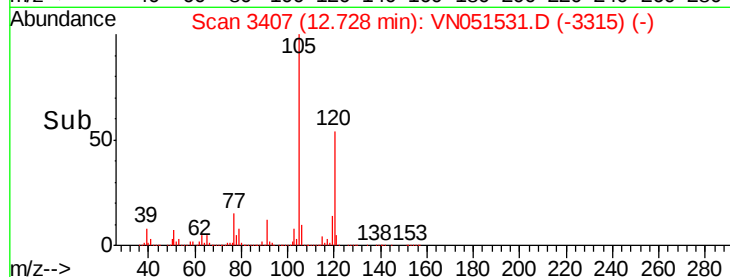
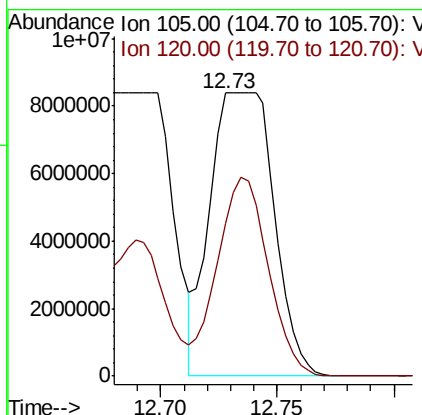
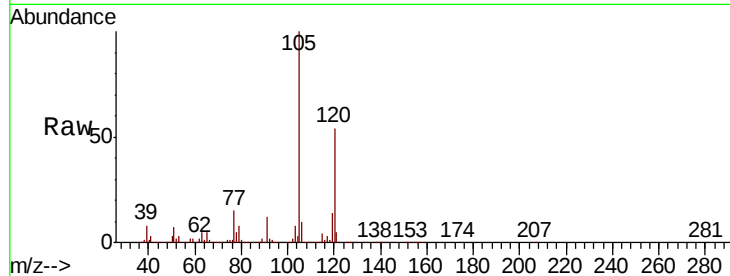
#80
 1,3,5-Trimethylbenzene
 Concen: 406.251 ug/l m
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN051531.D
 Acq: 26 Sep 2018 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW08-GW

Tgt Ion:105 Resp:16031066
 Ion Ratio Lower Upper
 105 100
 120 56.1 24.8 74.4

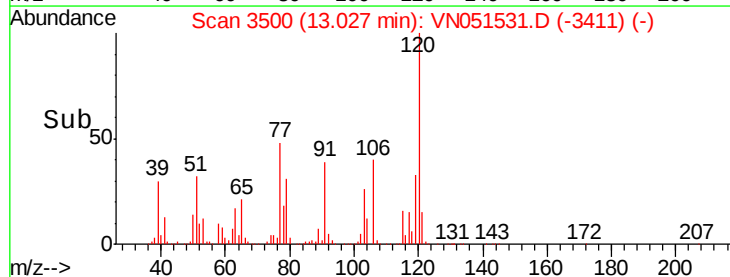
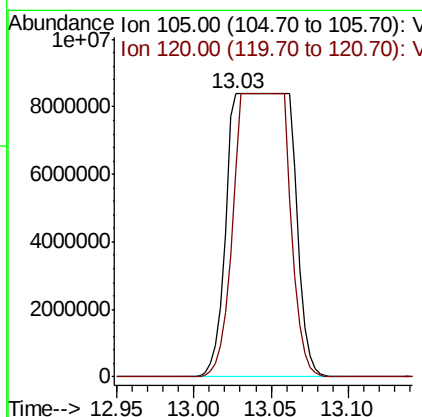
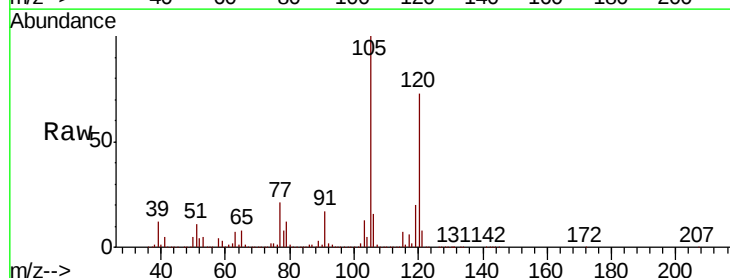
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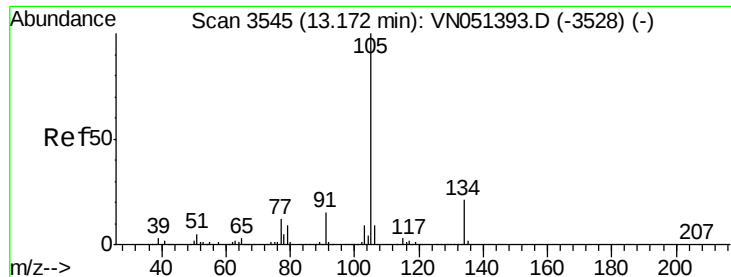
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#84
 1,2,4-Trimethylbenzene
 Concen: 621.591 ug/l m
 RT: 13.03 min Scan# 3500
 Delta R.T. -0.01 min
 Lab File: VN051531.D
 Acq: 26 Sep 2018 11:59

Tgt Ion:105 Resp:24716743
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 68.7#





#85

sec-Butylbenzene

Concen: 6.053 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051531.D

Acq: 26 Sep 2018 11:59

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tgt Ion:105 Resp: 287634

Ion Ratio Lower Upper

105 100

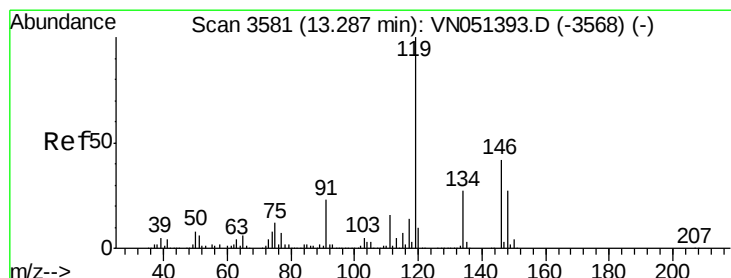
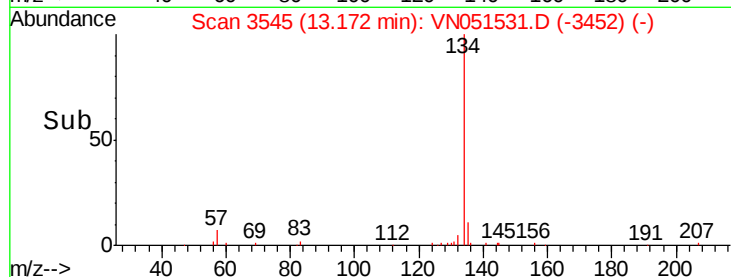
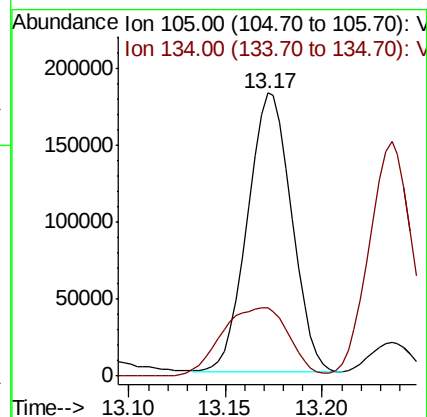
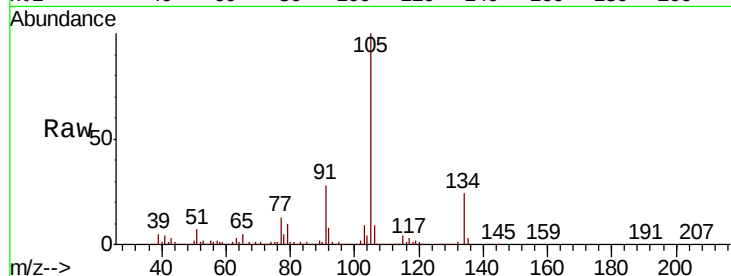
134 37.5 10.4 31.1#

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#86

p-Isopropyltoluene

Concen: 5.809 ug/l m

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051531.D

Acq: 26 Sep 2018 11:59

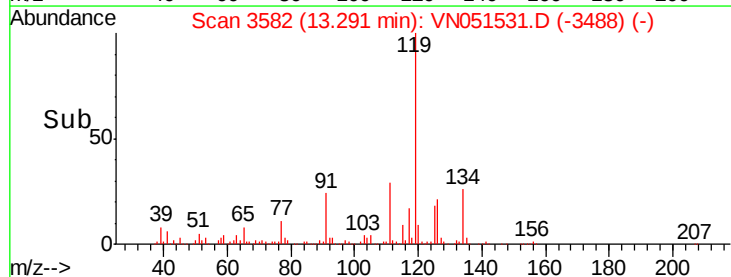
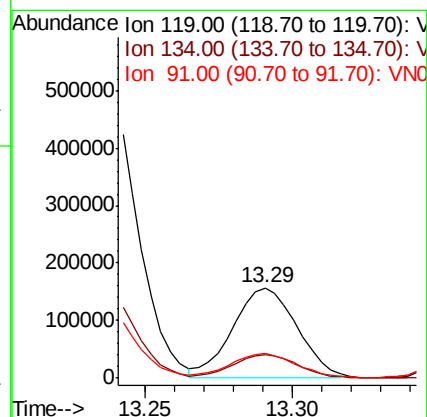
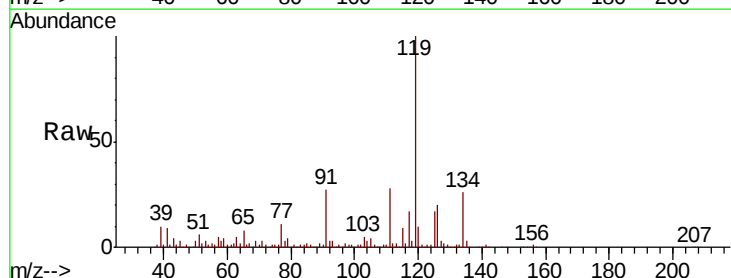
Tgt Ion:119 Resp: 238835

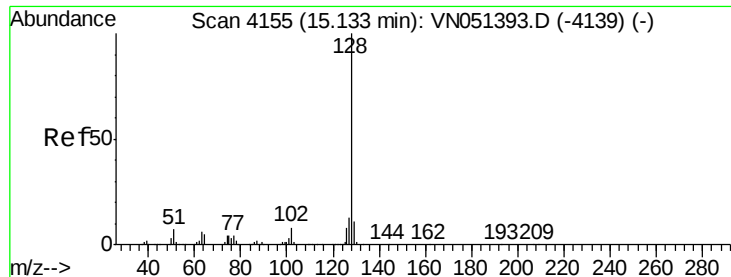
Ion Ratio Lower Upper

119 100

134 98.8 13.3 39.9#

91 0.0 11.4 34.2#





#95
Naphthalene
Concen: 785.254 ug/l m
RT: 15.12 min Scan# 4152
Delta R.T. -0.01 min
Lab File: VN051531.D
Acq: 26 Sep 2018 11:59

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	12.8#

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