

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064680.D
 Acq On : 17 Nov 2020 15:07
 Operator : JC/MD
 Sample : L4772-05DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3RDL

Manual Integrations
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MMDadoda
 11/18/2020 5:15:24 PM

Quant Time: Nov 18 02:41:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	231464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	462399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	500495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	231324	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	221807	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	
35) Dibromofluoromethane	7.55	113	163043	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
50) Toluene-d8	10.06	98	609365	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.38	95	261394	56.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.60%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.05	83	5486m	1.253	ug/l	
67) Ethyl Benzene	11.48	91	102308	5.242	ug/l	95
68) m/p-Xylenes	11.60	106	88071	12.443	ug/l	97
69) o-Xylene	11.92	106	10302	1.506	ug/l	92
73) Isopropylbenzene	12.22	105	297882	16.201	ug/l	99
78) n-propylbenzene	12.56	91	558229	26.631	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	119821	7.899	ug/l	99
83) tert-Butylbenzene	12.97	119	30936	2.611	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	2259015	148.149	ug/l	99
85) sec-Butylbenzene	13.14	105	160045	10.667	ug/l #	75
86) p-Isopropyltoluene	13.26	119	75014	5.559	ug/l	98
89) n-Butylbenzene	13.59	91	91144	7.855	ug/l #	75

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

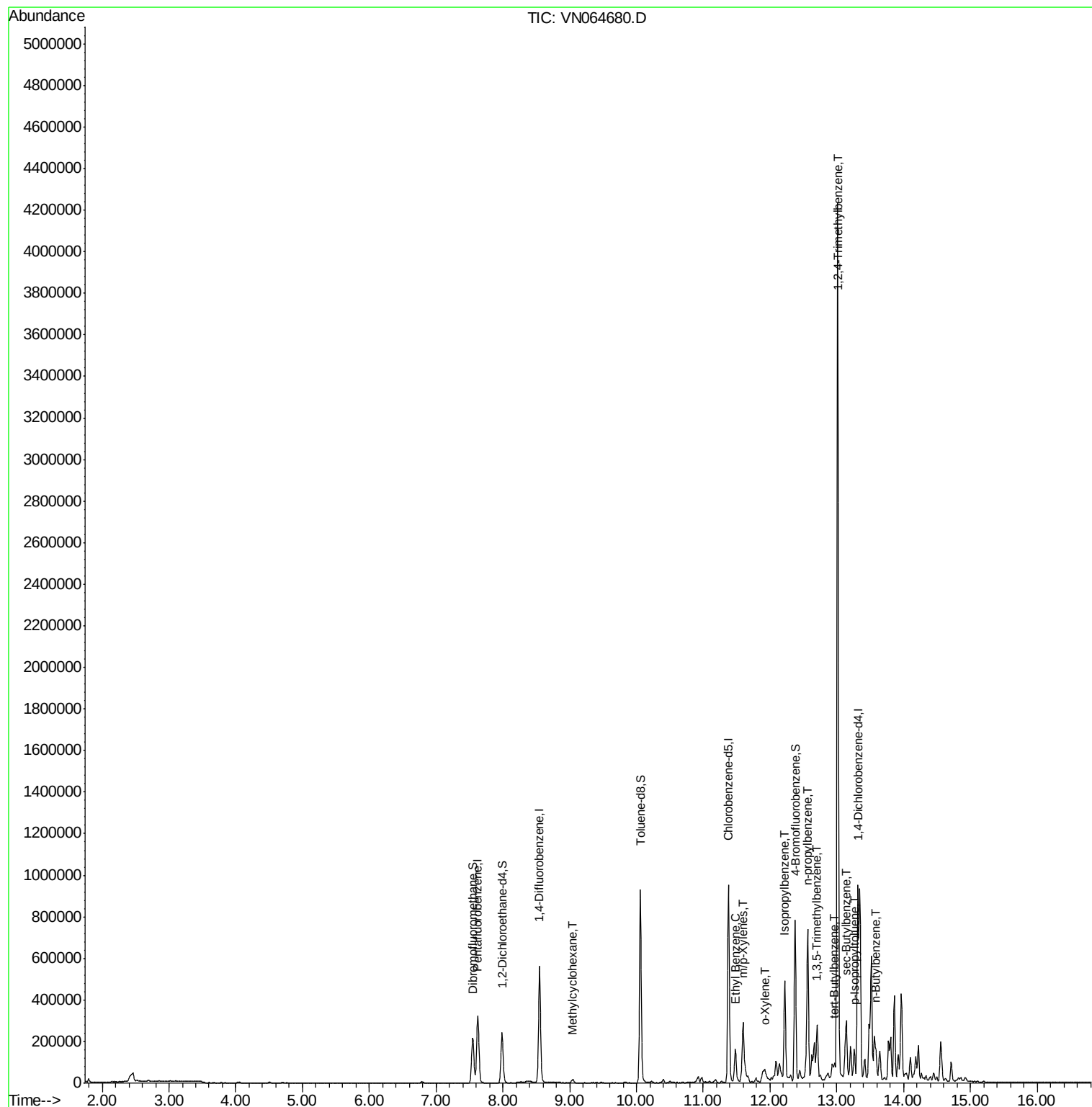
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111720\
Data File : VN064680.D
Acq On : 17 Nov 2020 15:07
Operator : JC/MD
Sample : L4772-05DL 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

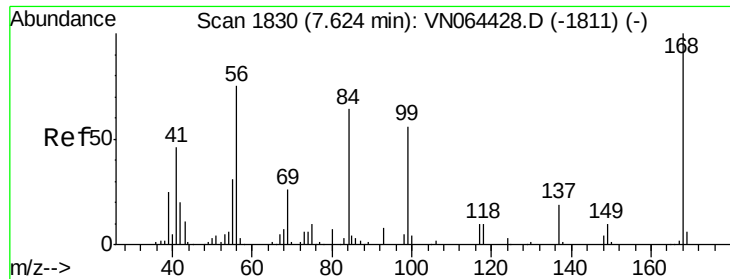
Instrument :
MSVOA_N
ClientSampleId :
MW-3RDL

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Quant Time: Nov 18 02:41:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064680.D

Acq: 17 Nov 2020 15:07

Instrument :

MSVOA_N

ClientSampled :

MW-3RDL

Tot Ion:168 Resp: 231464

Ion Ratio Lower Upper

168 100

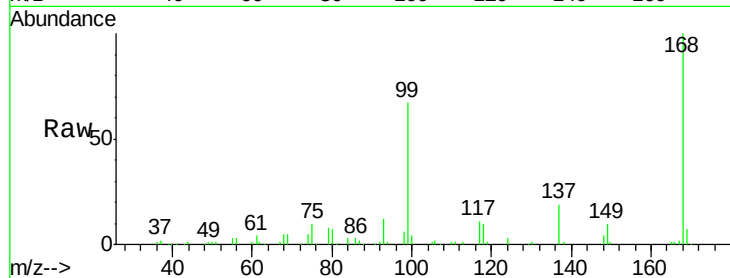
99 67.5 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

100000

80000

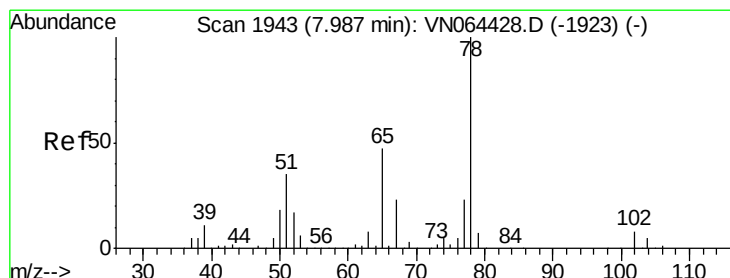
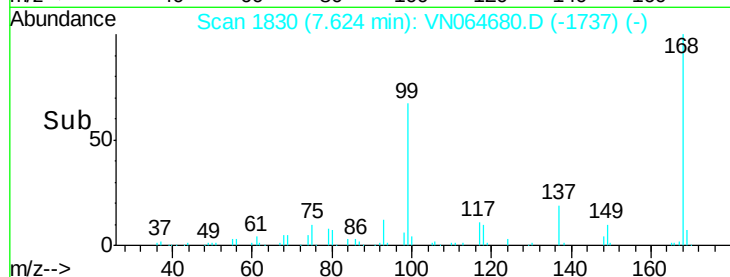
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 55.015 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064680.D

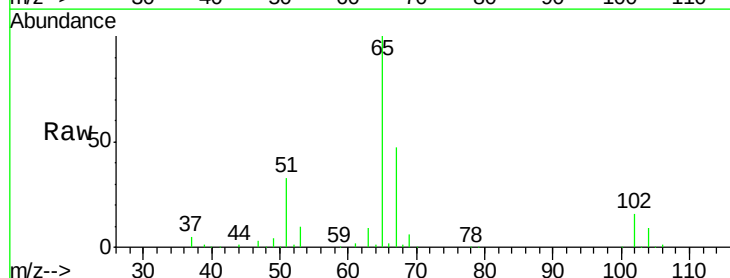
Acq: 17 Nov 2020 15:07

Tgt Ion: 65 Resp: 221807

Ion Ratio Lower Upper

65 100

67 48.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

100000

80000

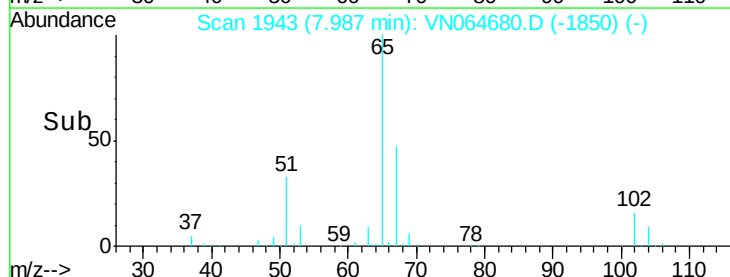
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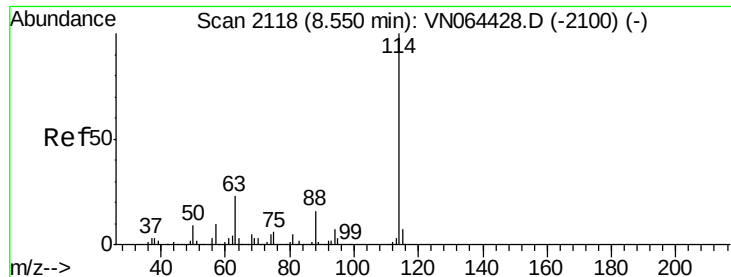
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20000

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Time--> 7.90 7.95 8.00 8.05 8.10





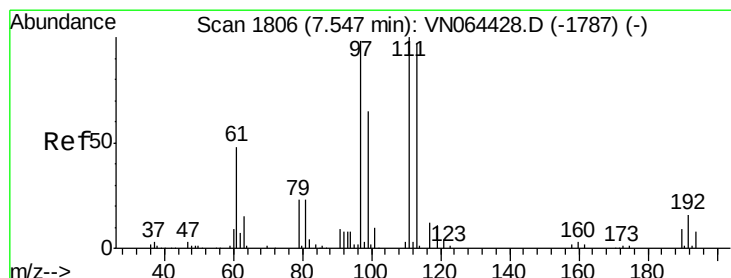
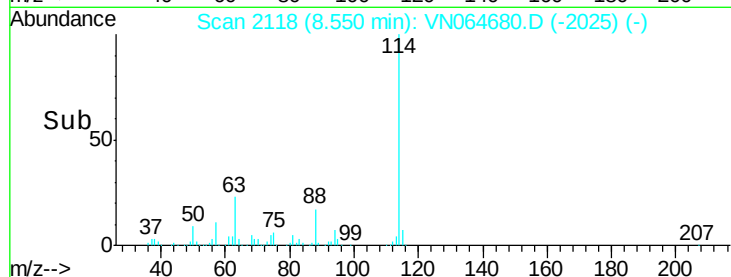
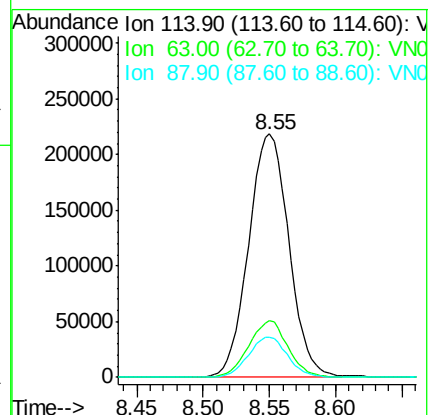
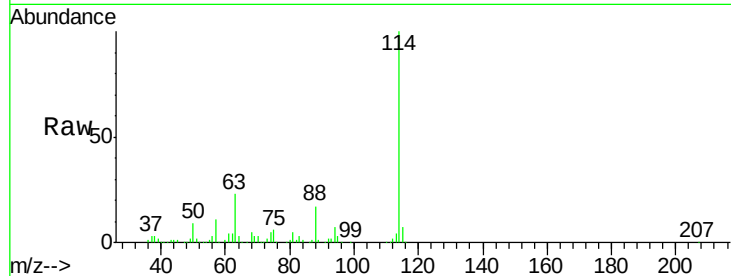
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 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064680.D
 Acq: 17 Nov 2020 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 MW-3RDL

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	23.3	0.0	45.6
88	16.5	0.0	32.8

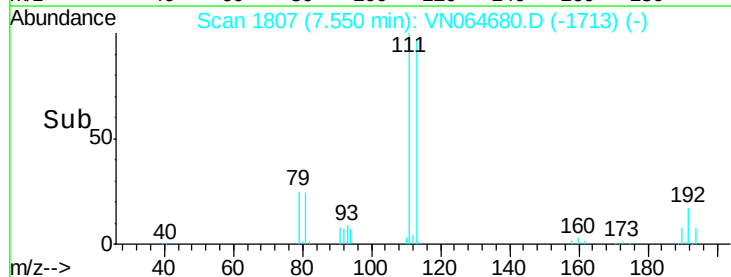
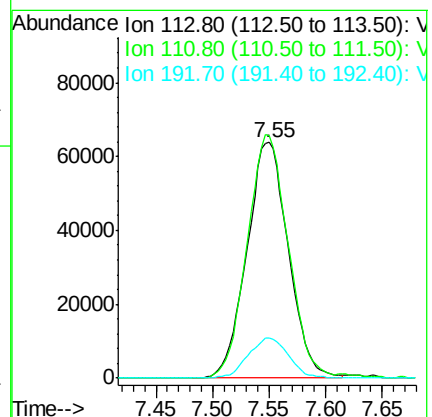
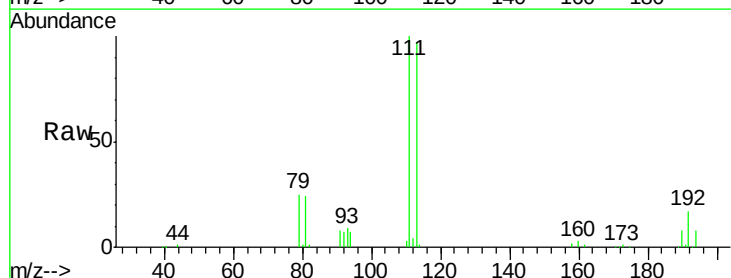
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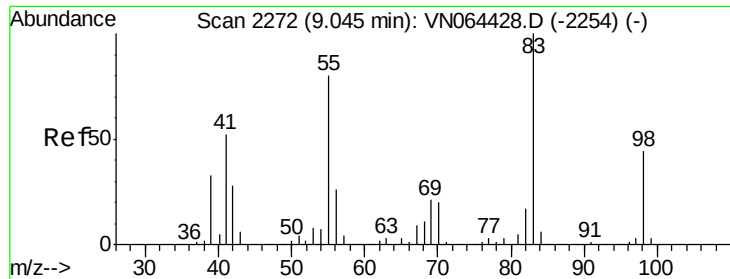
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#35
 Dibromofluoromethane
 Concen: 51.788 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064680.D
 Acq: 17 Nov 2020 15:07

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.6	81.1	121.7
192	16.5	12.8	19.2





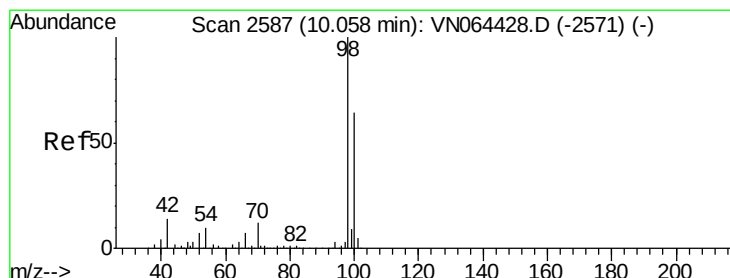
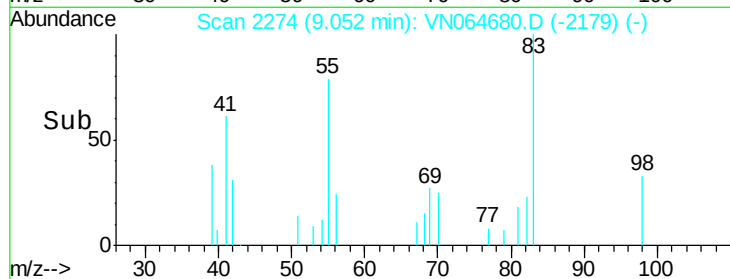
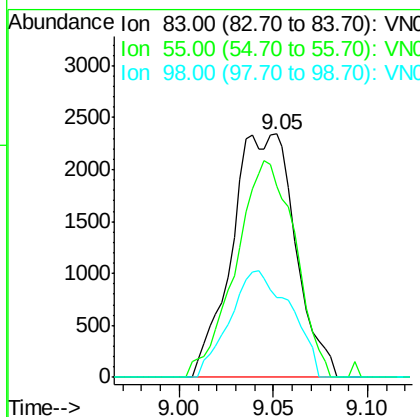
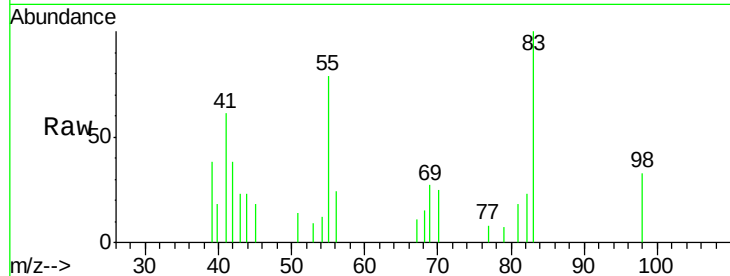
#39
Methylvlcyclohexane
Concen: 1.253 ug/l m
RT: 9.05 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VN064680.D
Acq: 17 Nov 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
MW-3RDL

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.8	95.6
98	32.7	35.4	53.2#

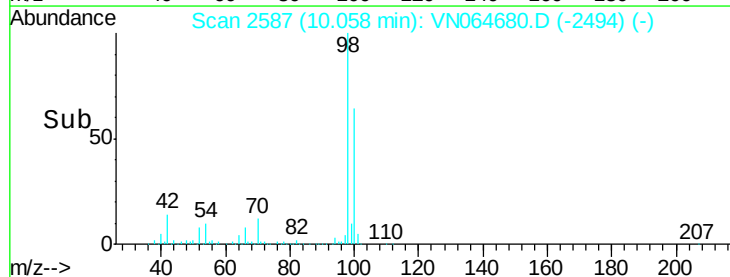
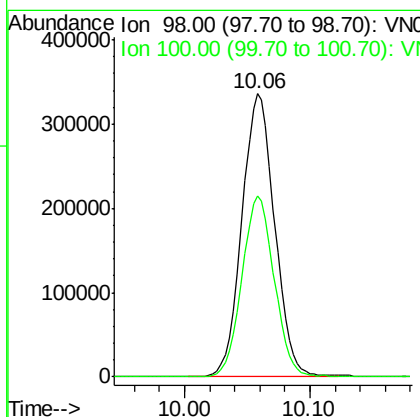
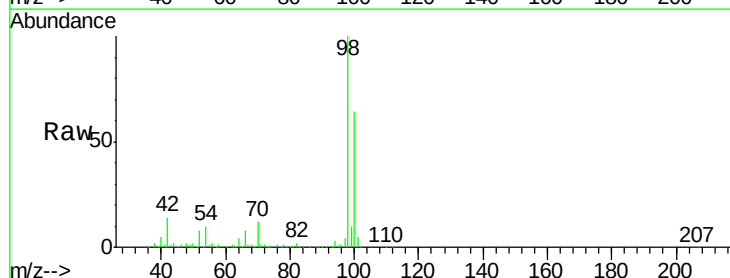
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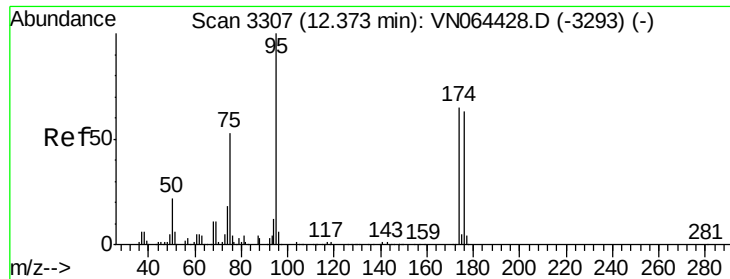
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#50
Toluene-d8
Concen: 50.078 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064680.D
Acq: 17 Nov 2020 15:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.7	76.1





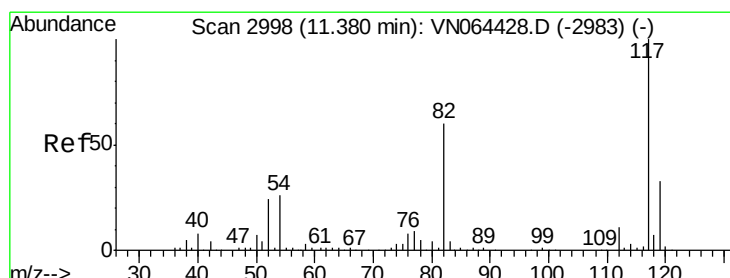
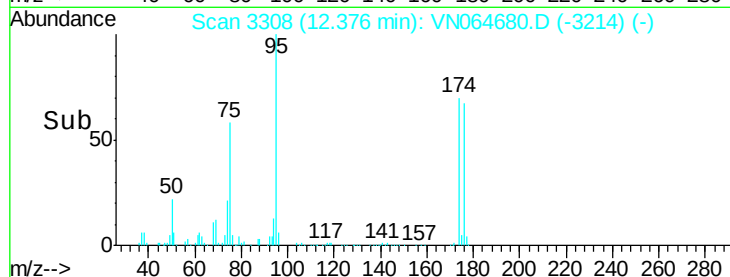
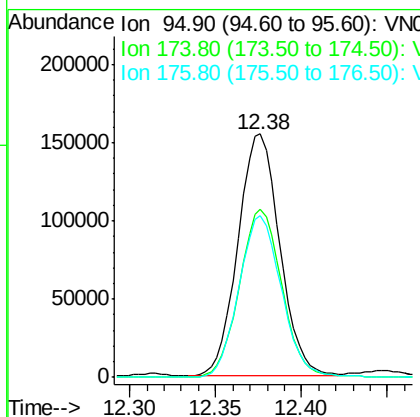
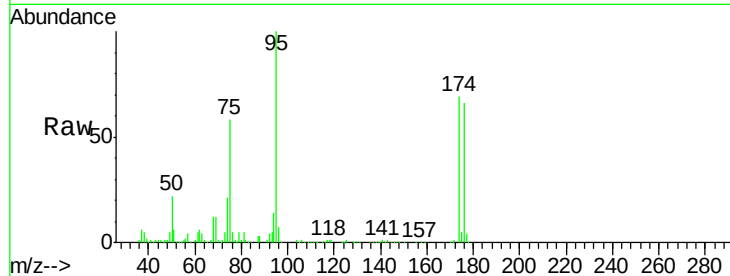
#62
4-Bromofluorobenzene
Concen: 56.802 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064680.D
Acq: 17 Nov 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
MW-3RDL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	261394		
174	70.6	0.0	132.6	
176	67.9	0.0	129.2	

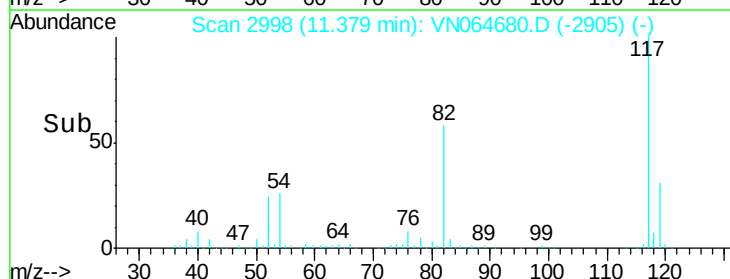
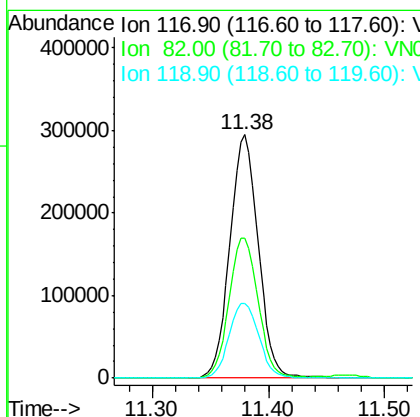
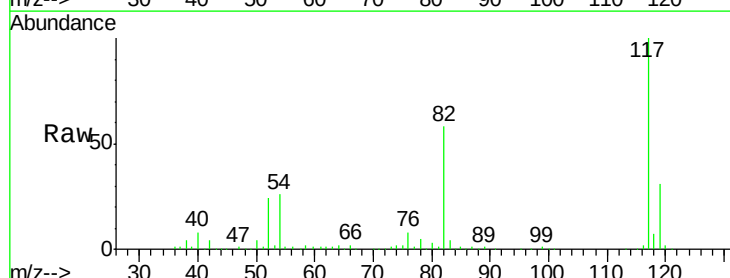
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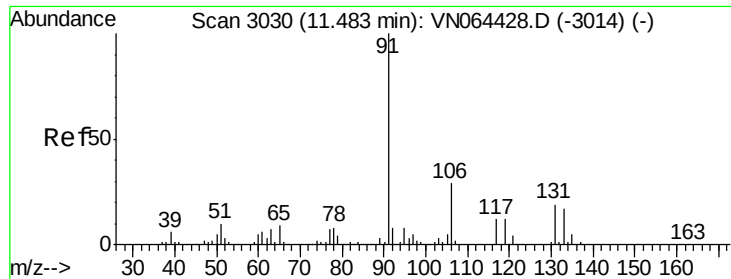
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064680.D
Acq: 17 Nov 2020 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	500495		
82	57.7	48.1	72.1	
119	30.8	26.2	39.4	





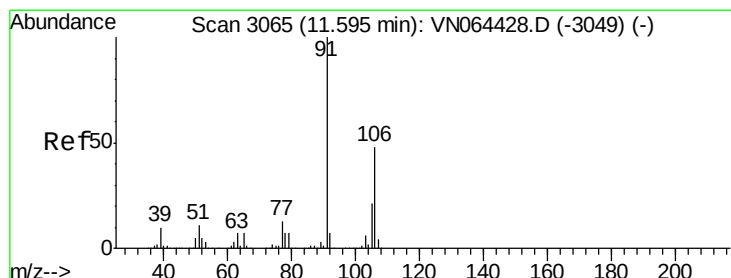
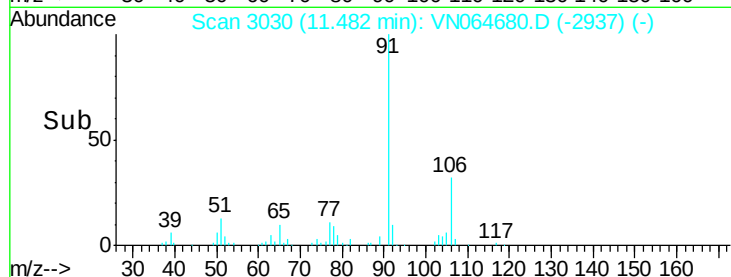
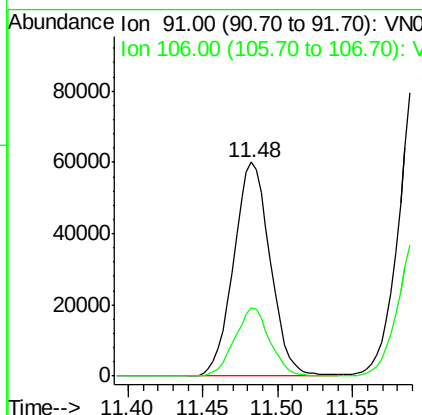
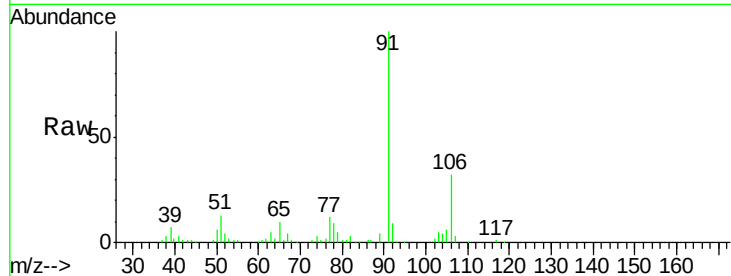
#67
Ethyl Benzene
Concen: 5.242 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064680.D
Acq: 17 Nov 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
MW-3RDL

Tot Ion: 91 Resp: 102308
Ion Ratio Lower Upper
91 100
106 32.2 23.6 35.4

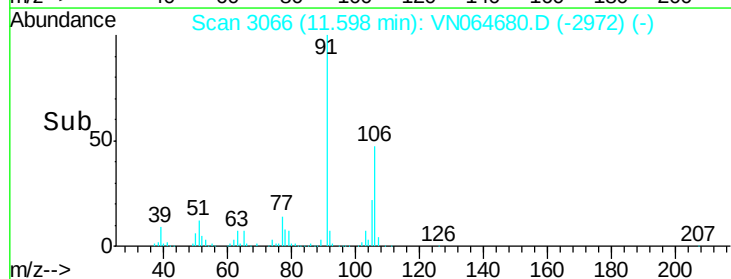
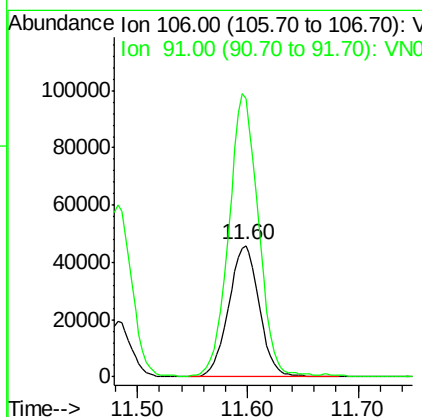
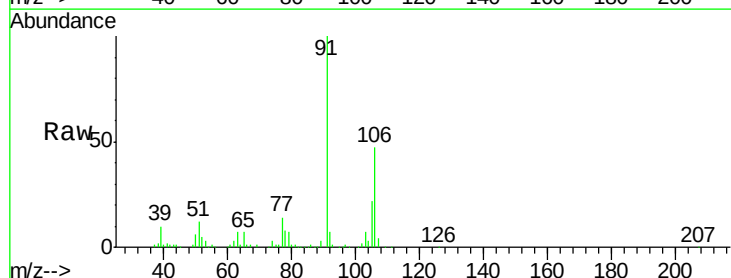
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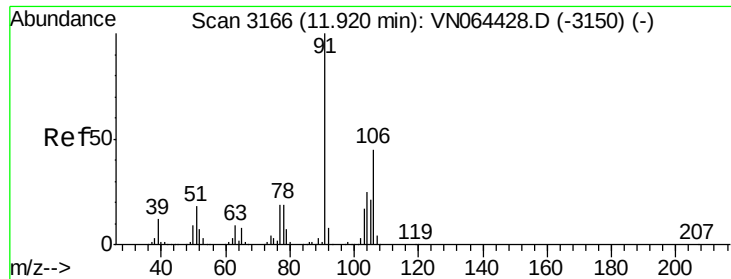
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#68
m/p-Xylenes
Concen: 12.443 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064680.D
Acq: 17 Nov 2020 15:07

Tgt Ion: 106 Resp: 88071
Ion Ratio Lower Upper
106 100
91 206.7 169.4 254.2





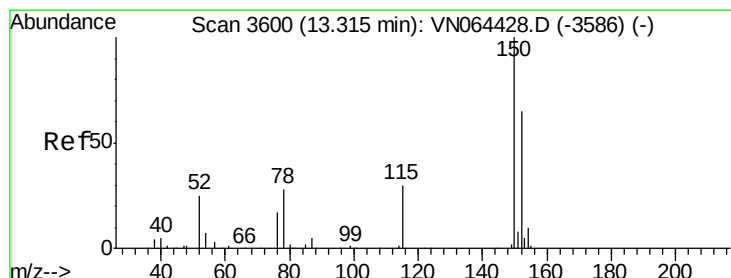
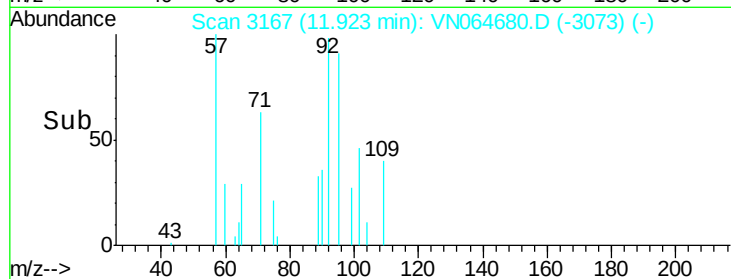
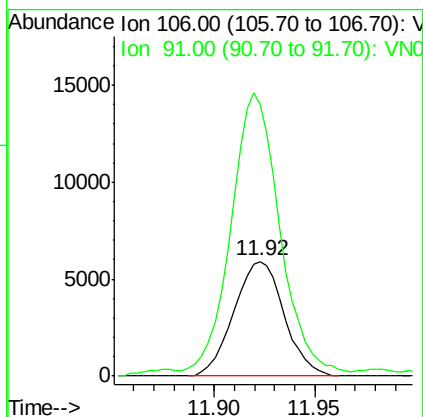
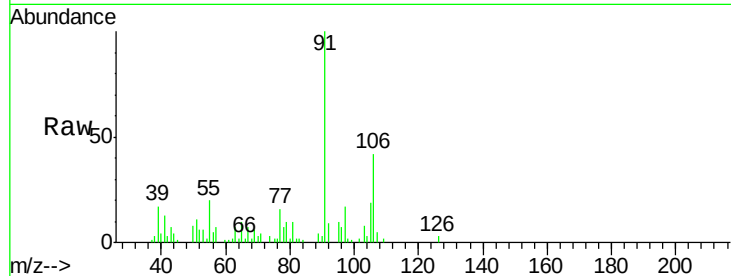
#69
o-Xylene
Concen: 1.506 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064680.D
Acq: 17 Nov 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
MW-3RDL

Tot Ion	Ratio	Lower	Upper
106	100		
91	235.6	111.7	334.9

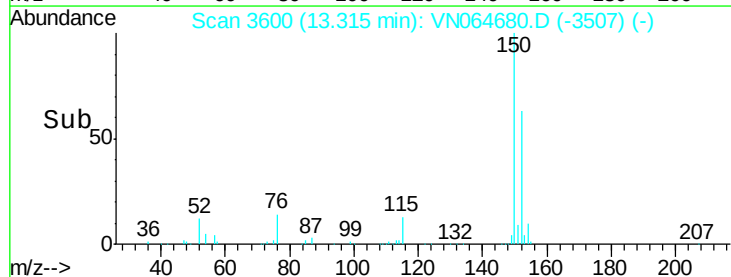
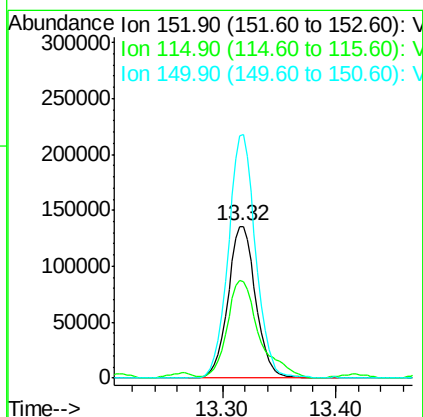
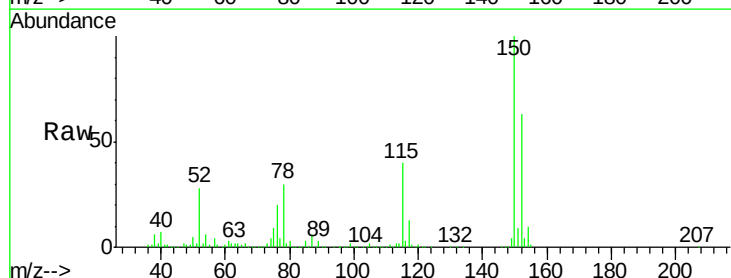
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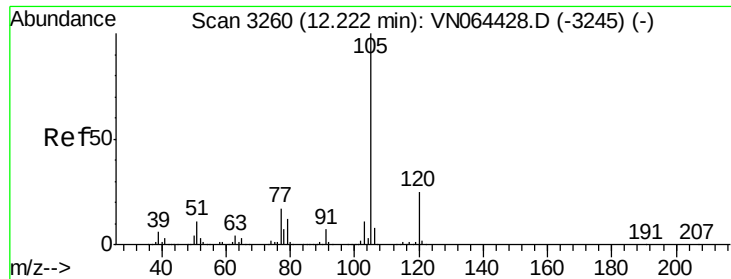
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064680.D
Acq: 17 Nov 2020 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.9	32.0	96.0
150	158.3	0.0	353.8





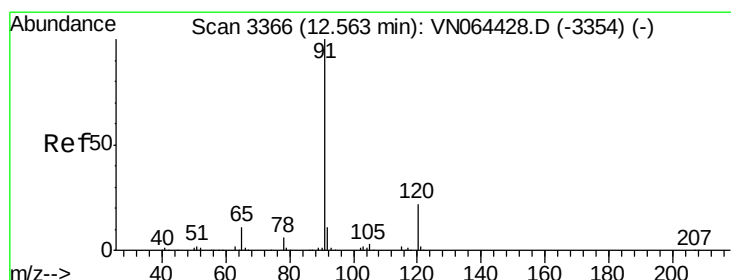
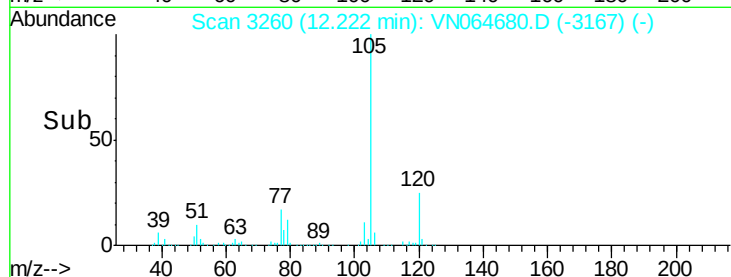
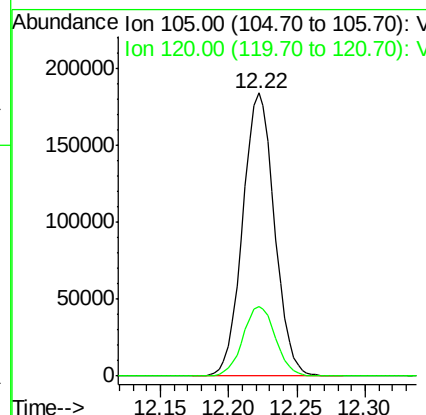
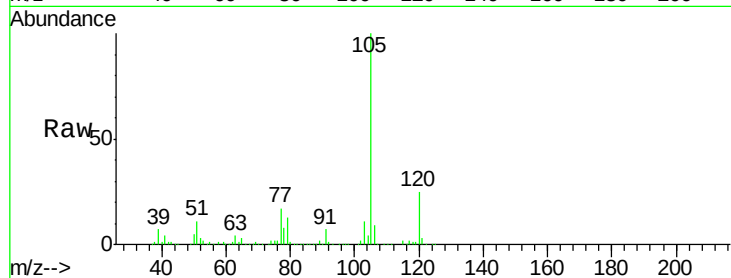
#73
Isopropylbenzene
Concen: 16.201 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064680.D
Acq: 17 Nov 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
MW-3RDL

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.3

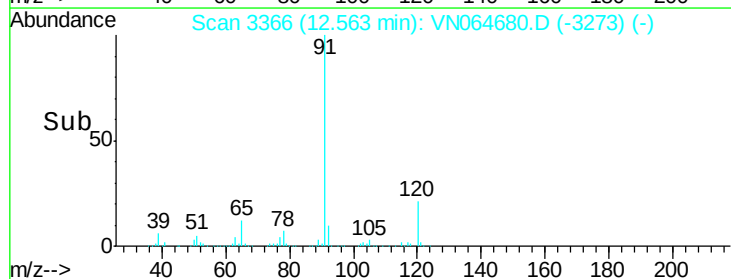
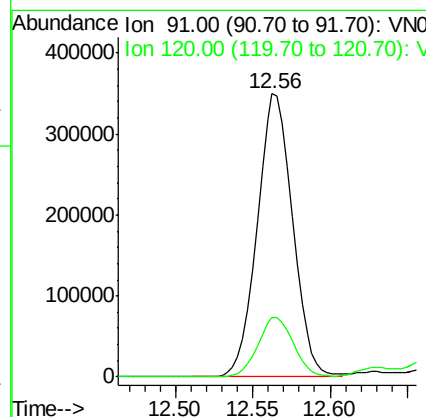
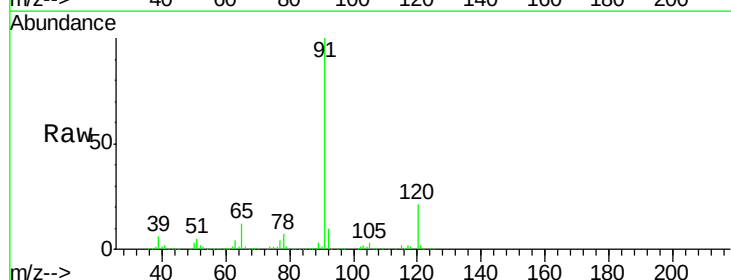
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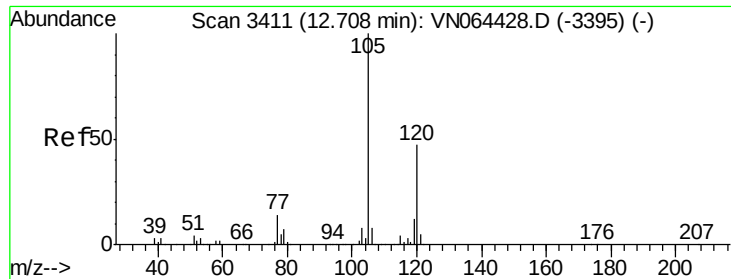
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#78
n-propylbenzene
Concen: 26.631 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064680.D
Acq: 17 Nov 2020 15:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	11.0	33.0





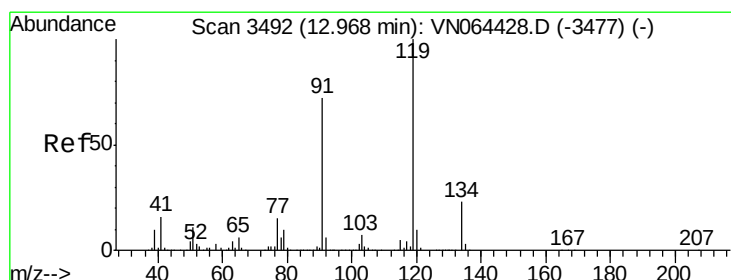
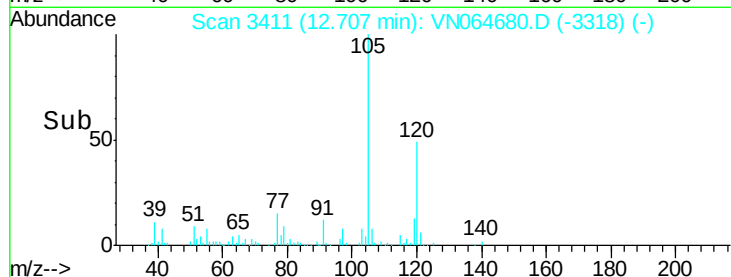
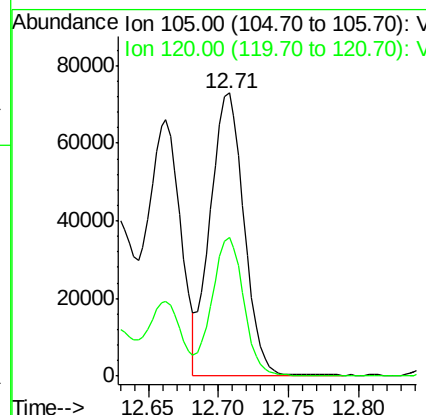
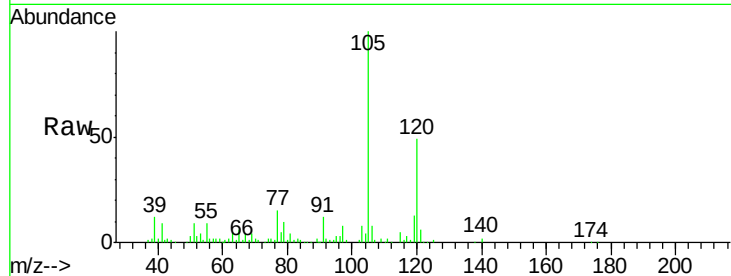
#80
 1,3,5-Trimethylbenzene
 Concen: 7.899 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064680.D
 Acq: 17 Nov 2020 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3RDL

Tot Ion:105 Resp: 119821
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.4 70.2

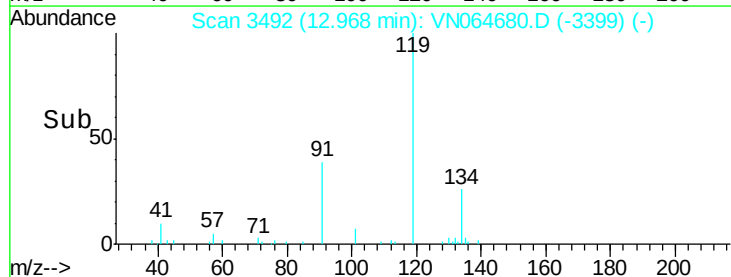
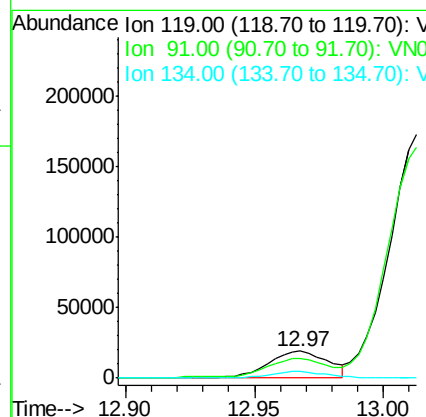
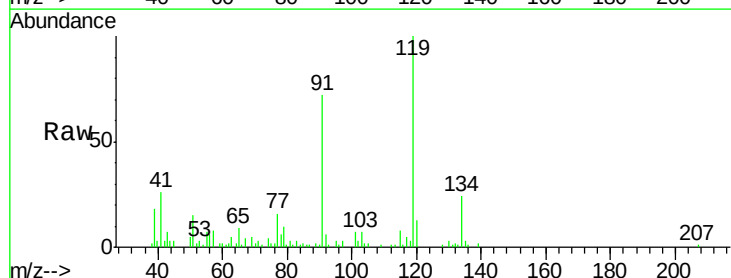
Manual Integrations
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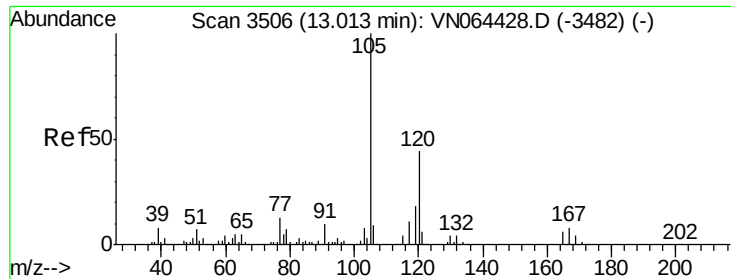
MMDadoda
 11/18/2020 5:15:24 PM



#83
 tert-Butylbenzene
 Concen: 2.611 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064680.D
 Acq: 17 Nov 2020 15:07

Tgt Ion:119 Resp: 30936
 Ion Ratio Lower Upper
 119 100
 91 70.7 36.1 108.3
 134 23.9 11.7 35.1





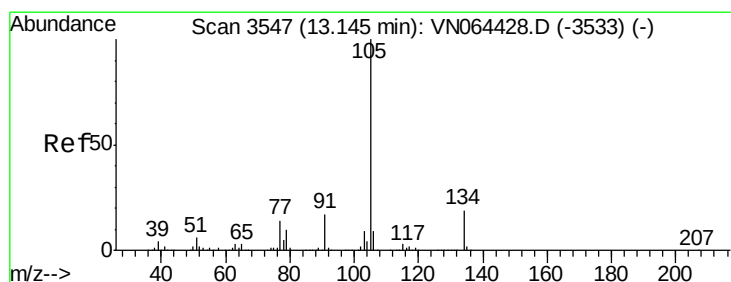
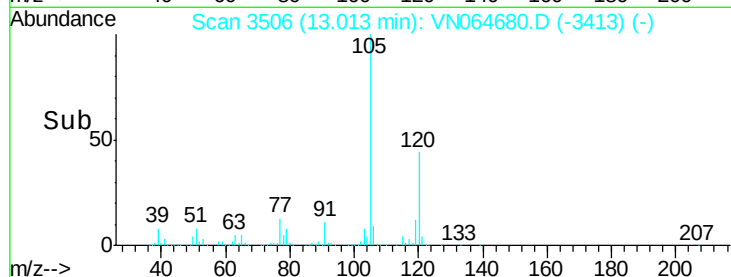
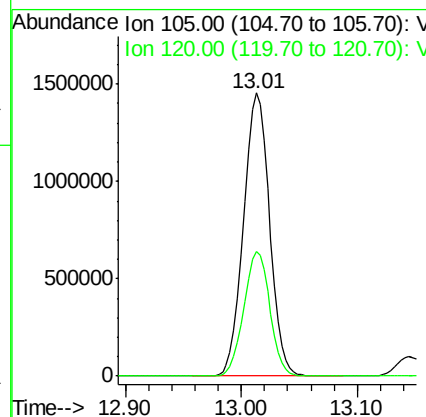
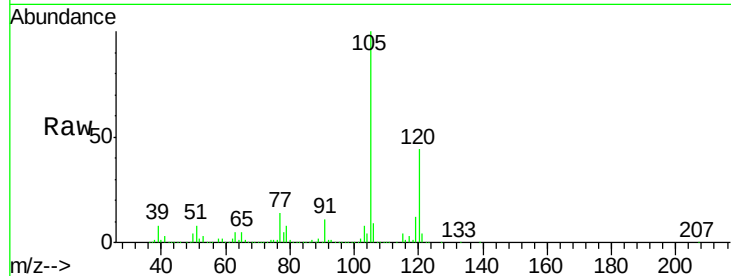
#84
 1,2,4-Trimethylbenzene
 Concen: 148.149 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064680.D
 Acq: 17 Nov 2020 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3RDL

Tot Ion:105 Resp: 2259015
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.9 65.7

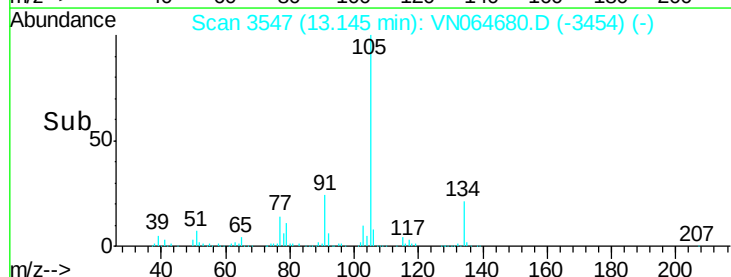
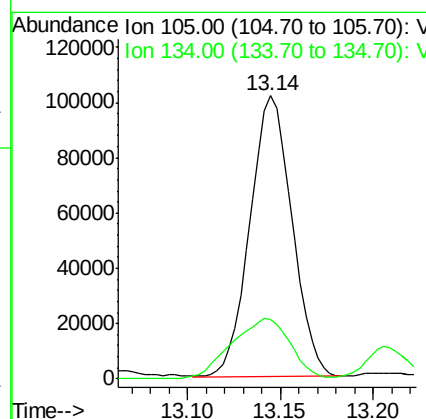
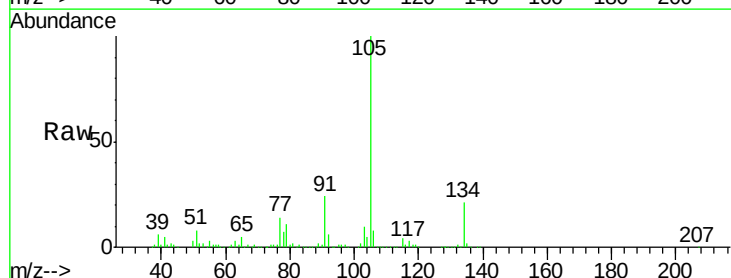
Manual Integrations
 APPROVED

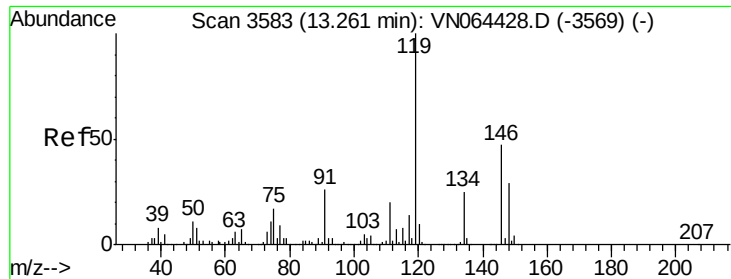
MMDadoda
 11/18/2020 5:15:24 PM



#85
 sec-Butylbenzene
 Concen: 10.667 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064680.D
 Acq: 17 Nov 2020 15:07

Tgt Ion:105 Resp: 160045
 Ion Ratio Lower Upper
 105 100
 134 30.0 9.4 28.2#





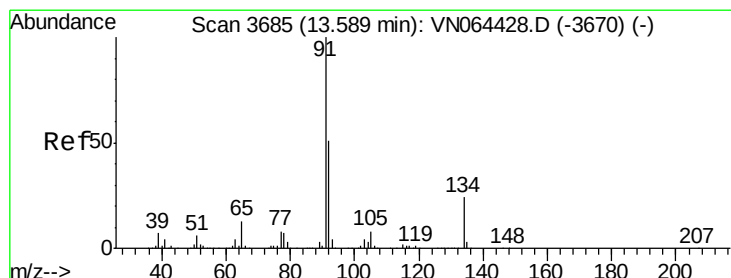
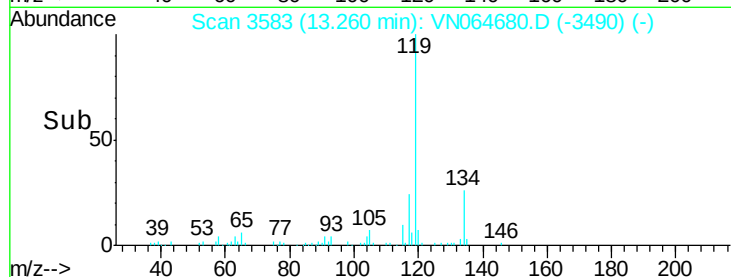
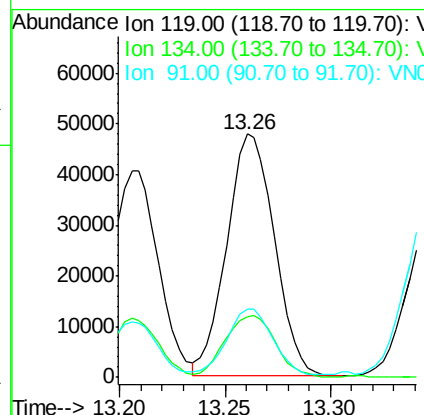
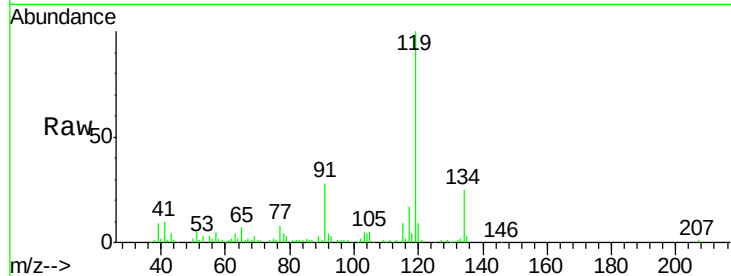
#86
 p-Isopropyltoluene
 Concen: 5.559 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064680.D
 Acq: 17 Nov 2020 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3RDL

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	12.6	37.6
91	25.5	12.8	38.3

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 5:15:24 PM



#89
 n-Butylbenzene
 Concen: 7.855 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN064680.D
 Acq: 17 Nov 2020 15:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	40.5	25.3	75.9
134	0.0	11.8	35.4#

