

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063591.D
 Acq On : 23 Sep 2020 16:06
 Operator : JC/MD
 Sample : L4116-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS027-200922

Manual Integrations
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 9/24/2020 1:37:55 PM

Quant Time: Sep 24 03:41:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	210292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	390983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	396245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178435	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	179319	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.55	113	132201	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	10.06	98	501550	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.38	95	208287	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.17	62	3297	1.181	ug/l	97
16) Acetone	3.78	43	15216	13.226	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	278693	93.648	ug/l	88
39) Methylcyclohexane	9.05	83	5441	1.204	ug/l	94
44) Trichloroethene	8.80	130	21612	7.494	ug/l	91
47) Bromodichloromethane	9.37	83	1376	0.311	ug/l #	70
52) Toluene	10.13	92	111050	15.534	ug/l	100
60) Dibromochloromethane	10.87	129	1798	0.560	ug/l	79
64) Tetrachloroethene	10.60	164	3172	1.176	ug/l	93
65) Chlorobenzene	11.41	112	9140	1.087	ug/l	96
67) Ethyl Benzene	11.49	91	96131	6.069	ug/l	99
68) m/p-Xylenes	11.59	106	160135	28.039	ug/l	98
69) o-Xylene	11.92	106	90291	16.596	ug/l	95
71) Bromoform	12.10	173	1060m	0.461	ug/l	
73) Isopropylbenzene	12.23	105	186140	13.018	ug/l	99
78) n-propylbenzene	12.57	91	91009	5.465	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	141153	11.838	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	549056	45.589	ug/l	99
85) sec-Butylbenzene	13.15	105	6422m	0.488	ug/l	
86) p-Isopropyltoluene	13.26	119	4636m	0.399	ug/l	
89) n-Butylbenzene	13.59	91	7852m	0.733	ug/l	
95) Naphthalene	15.11	128	43102	3.781	ug/l	98

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

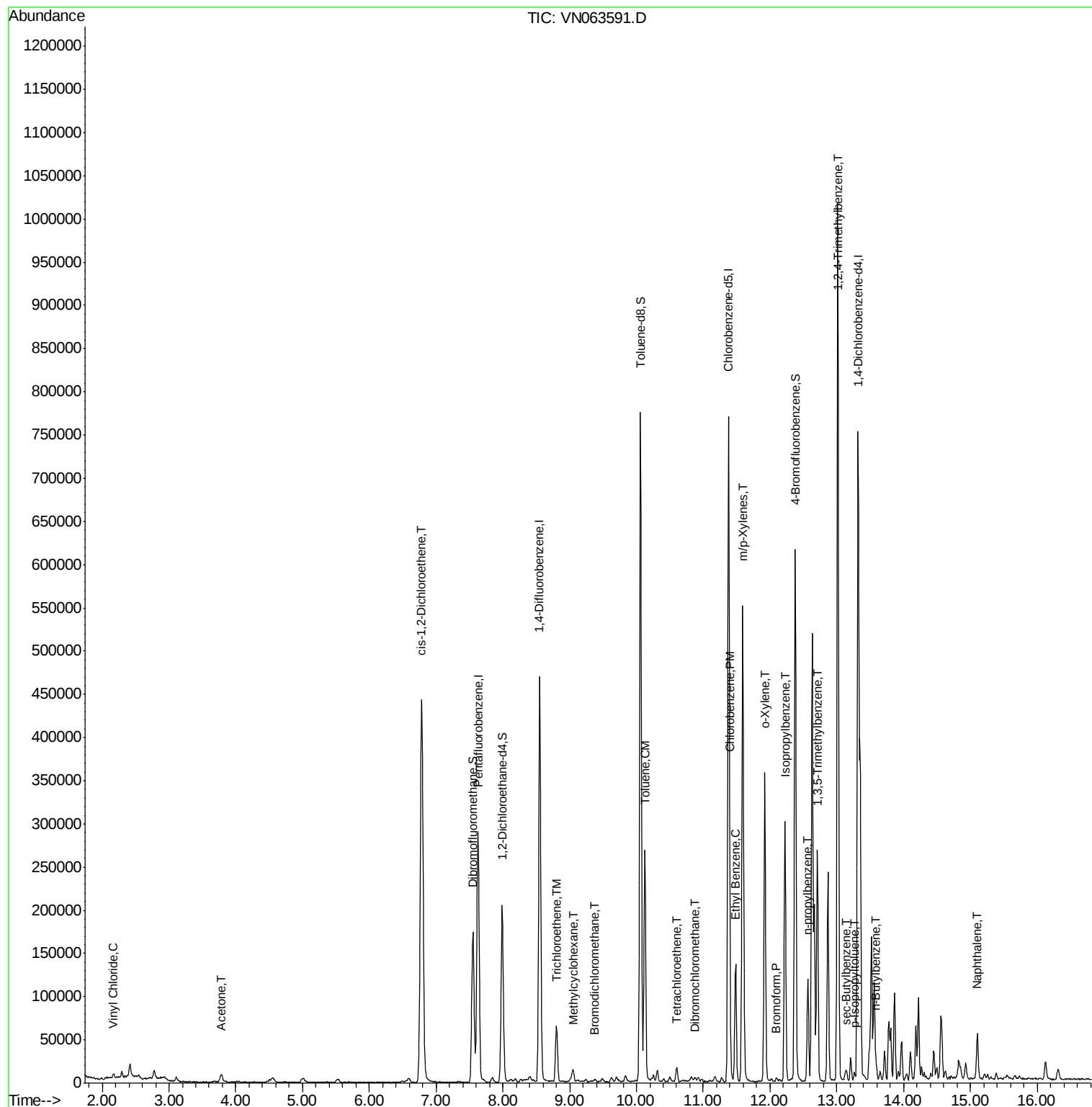
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092320\
Data File : VN063591.D
Acq On : 23 Sep 2020 16:06
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Quant Time: Sep 24 03:41:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
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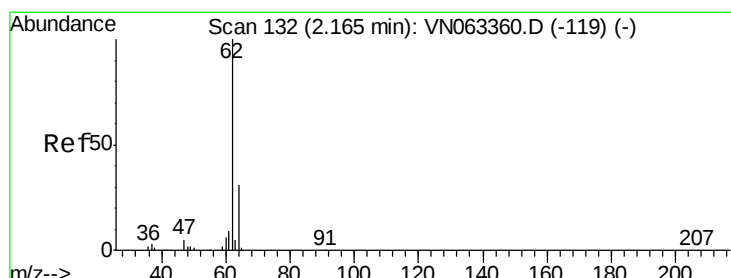
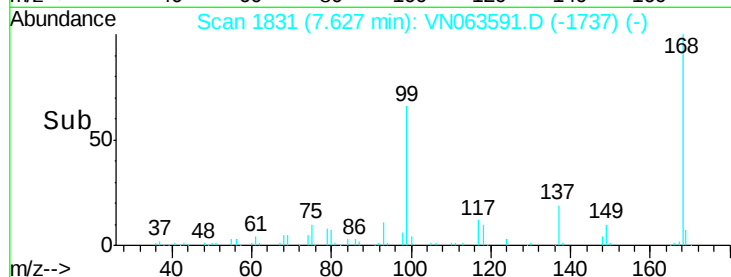
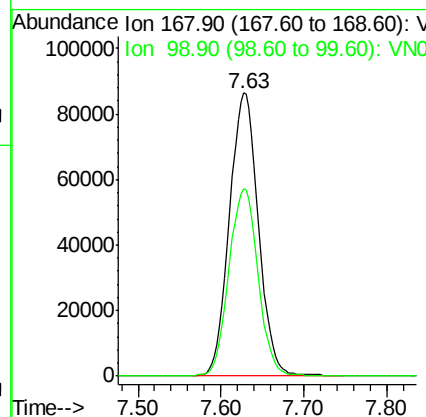
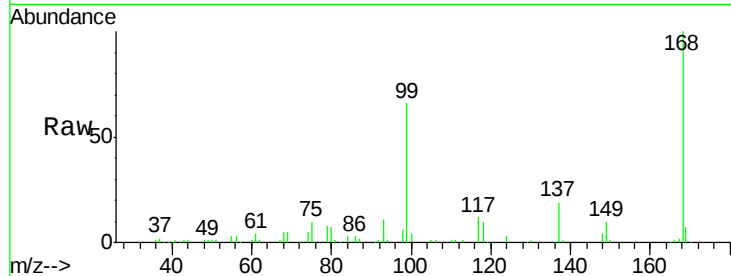
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
KY038PS027-200922

Tot Ion:168 Resp: 210292
Ion Ratio Lower Upper
168 100
99 66.3 53.0 79.6

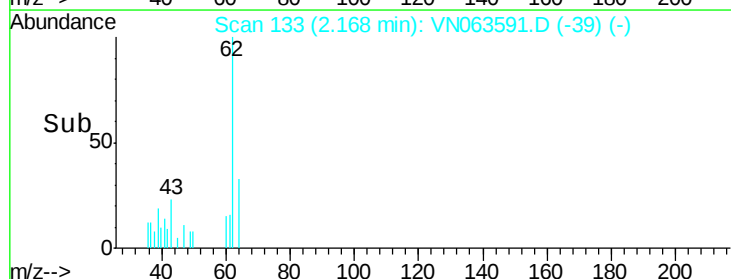
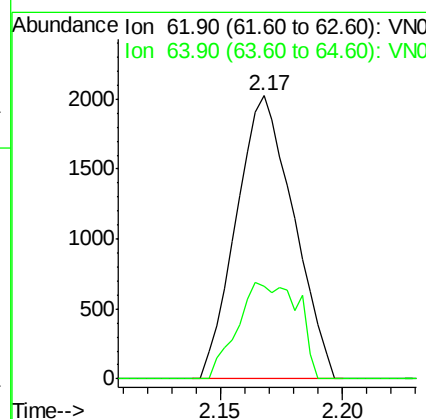
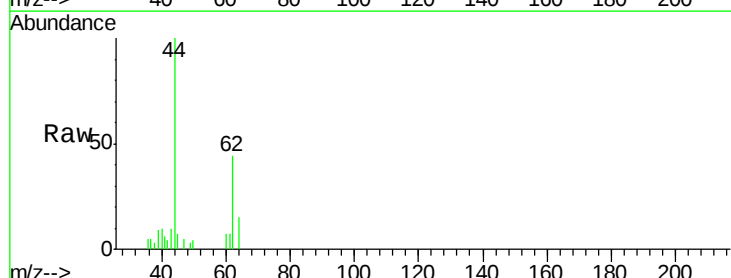
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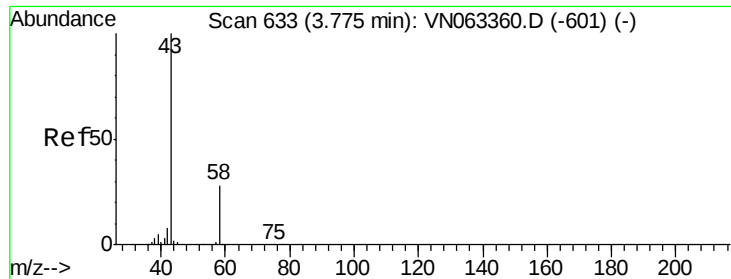
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#4
Vinyl Chloride
Concen: 1.181 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Tgt Ion: 62 Resp: 3297
Ion Ratio Lower Upper
62 100
64 32.9 25.1 37.7





#16

Acetone

Concen: 13.226 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063591.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

KY038PS027-200922

Tot Ion: 43 Resp: 15216

Ion Ratio Lower Upper

43 100

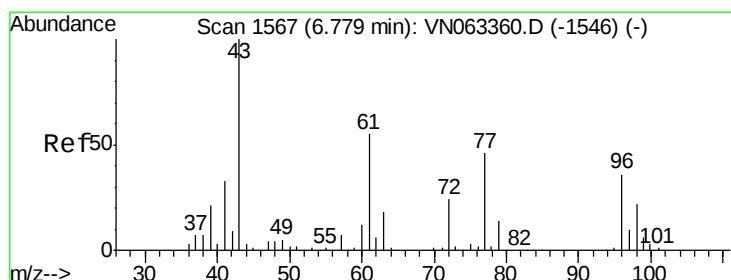
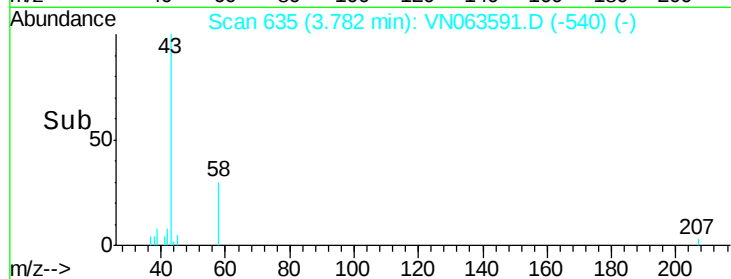
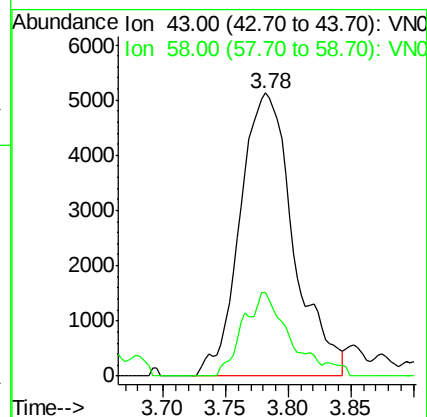
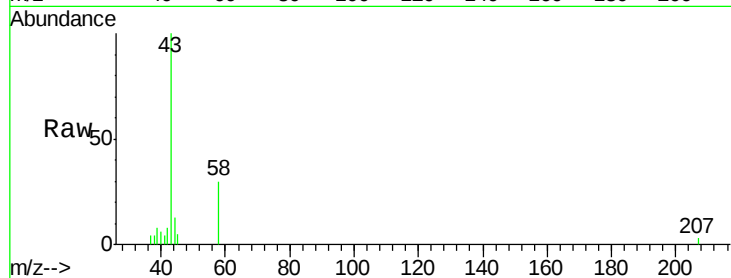
58 29.7 22.3 33.5

Manual Integrations

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#27

cis-1,2-Dichloroethene

Concen: 93.648 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063591.D

Acq: 23 Sep 2020 16:06

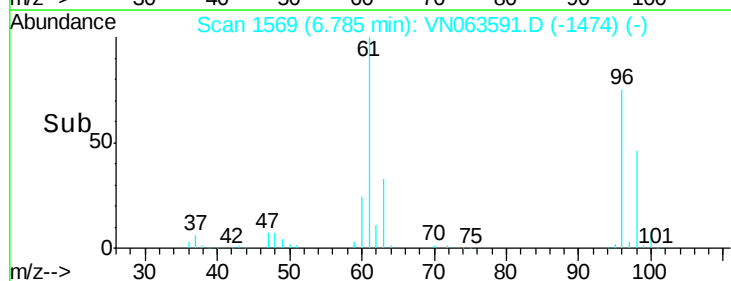
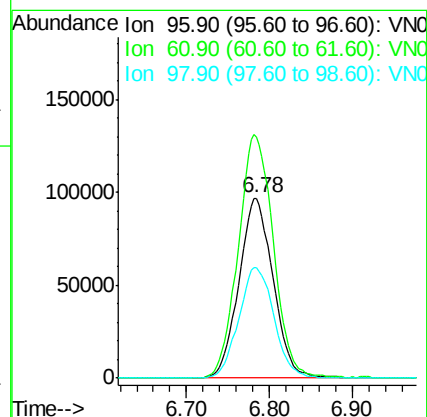
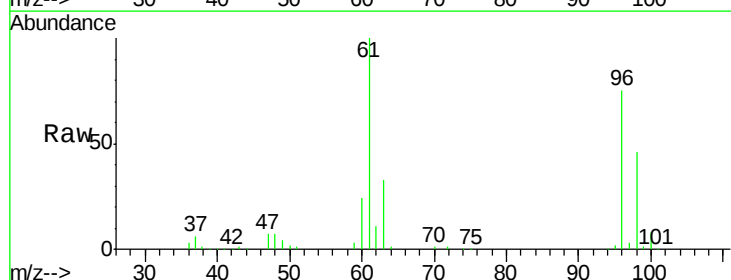
Tgt Ion: 96 Resp: 278693

Ion Ratio Lower Upper

96 100

61 138.7 0.0 319.6

98 63.0 0.0 127.8





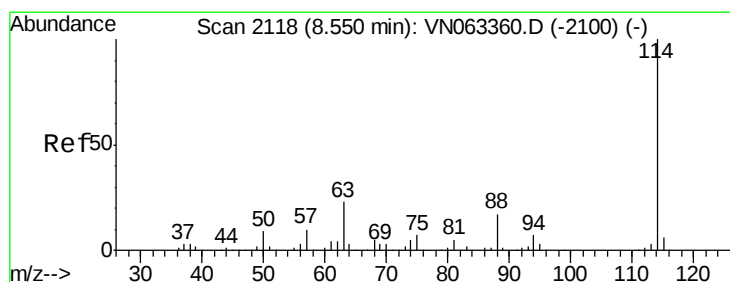
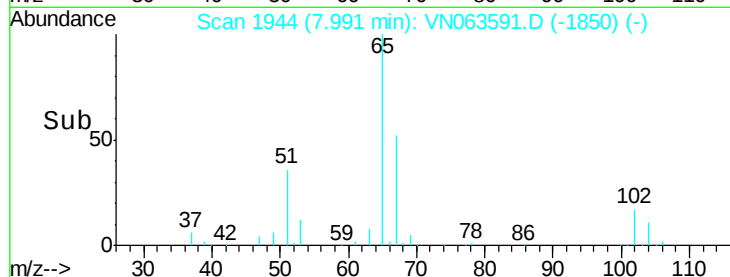
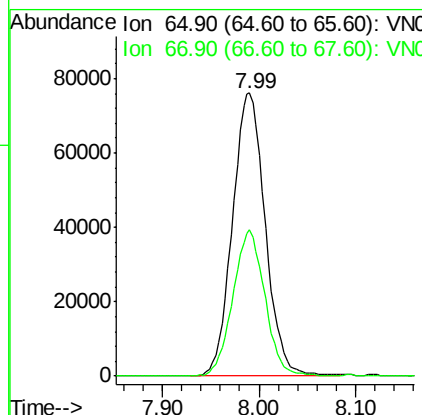
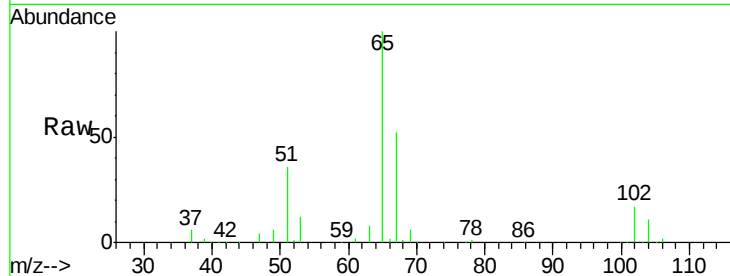
#33
 1,2-Dichloroethane-d4
 Concen: 50.093 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063591.D
 Acq: 23 Sep 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS027-200922

Tot Ion	Ratio	Resp	Lower	Upper
65	100	179319		
67	50.3	0.0	104.2	

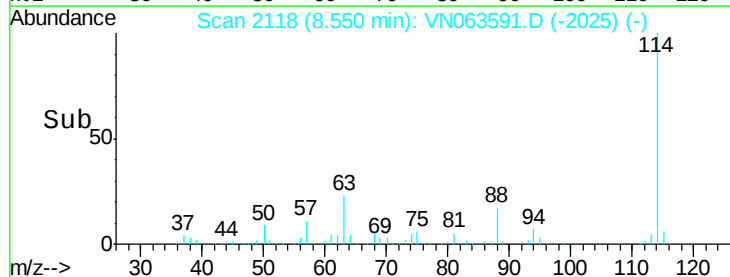
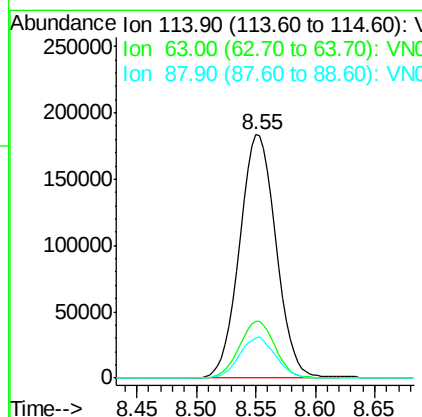
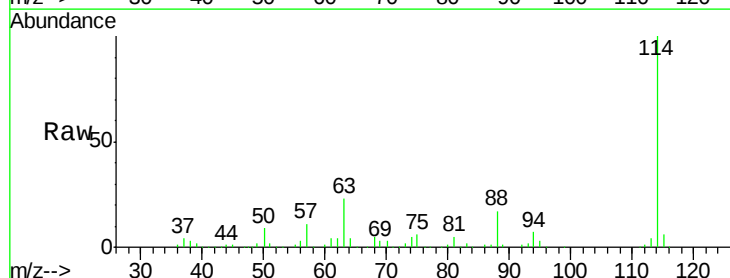
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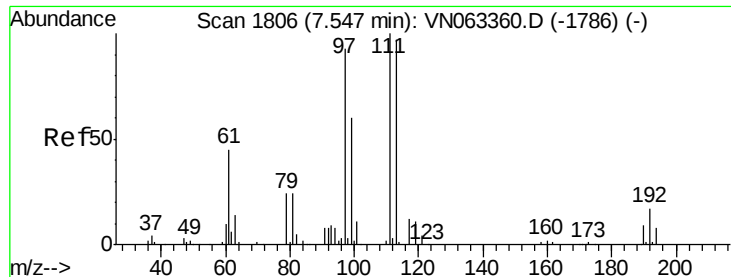
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063591.D
 Acq: 23 Sep 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	390983		
63	23.5	0.0	46.4	
88	16.7	0.0	33.2	





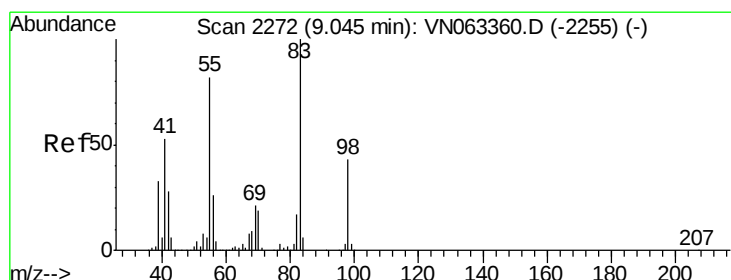
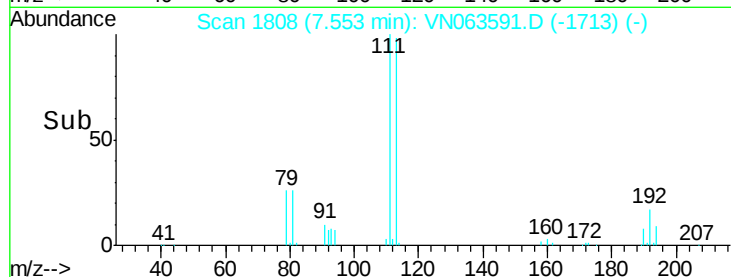
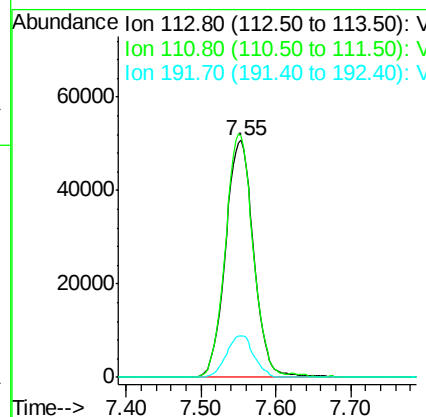
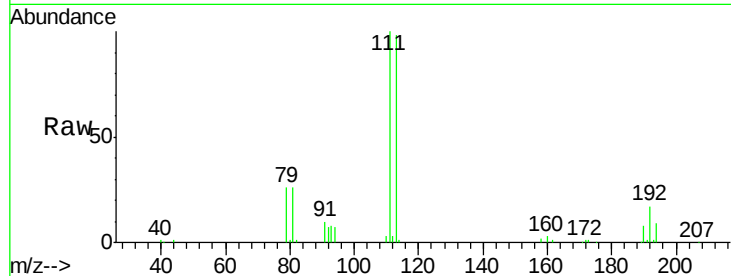
#35
Dibromofluoromethane
Concen: 48.842 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
KY038PS027-200922

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132201		
111	100.5	82.9	124.3	
192	17.2	13.9	20.9	

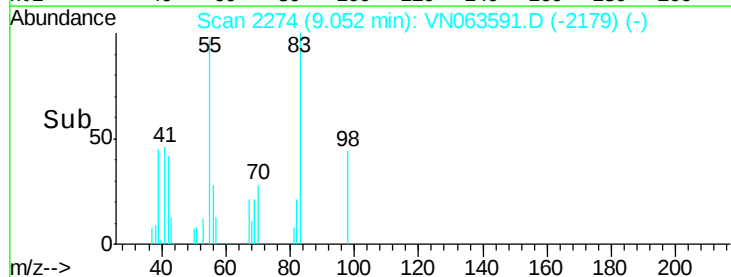
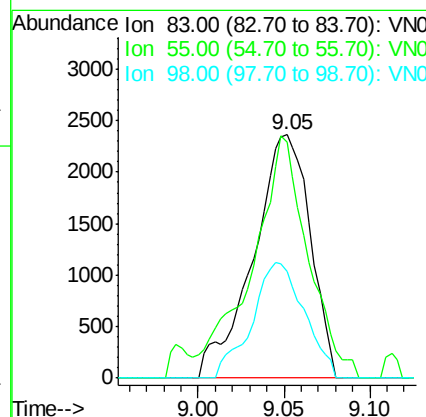
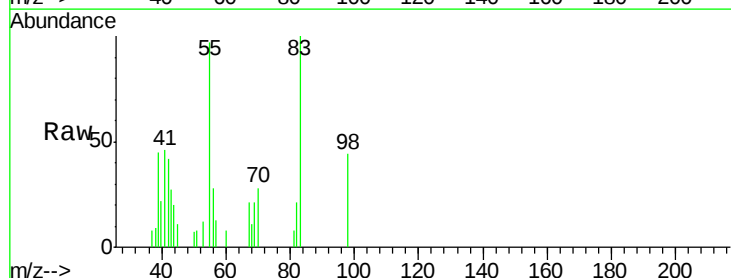
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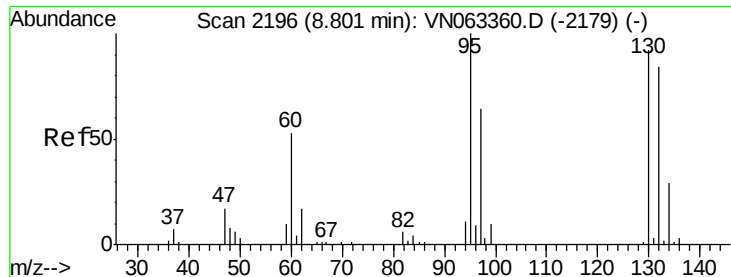
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#39
Methylcyclohexane
Concen: 1.204 ug/l
RT: 9.05 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	5441		
55	89.3	65.5	98.3	
98	43.9	34.2	51.4	





#44

Trichloroethene

Concen: 7.494 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063591.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

KY038PS027-200922

Tot Ion:130 Resp: 21612

Ion Ratio Lower Upper

130 100

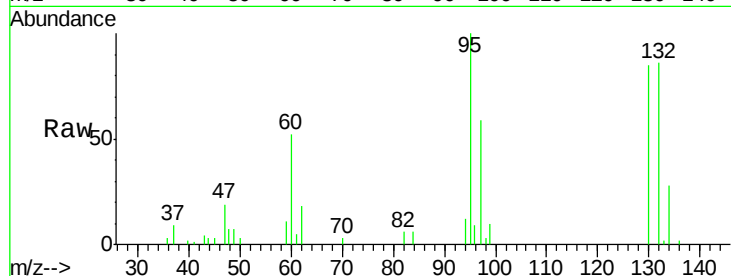
95 118.0 0.0 217.4

Manual Integrations

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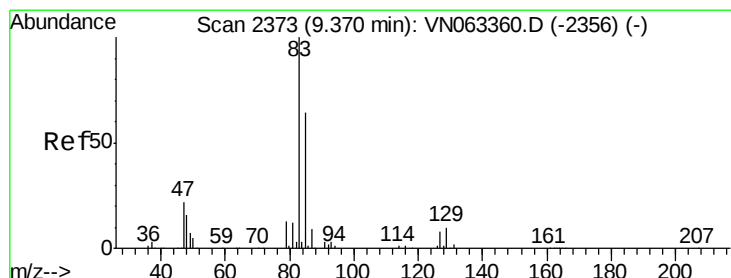
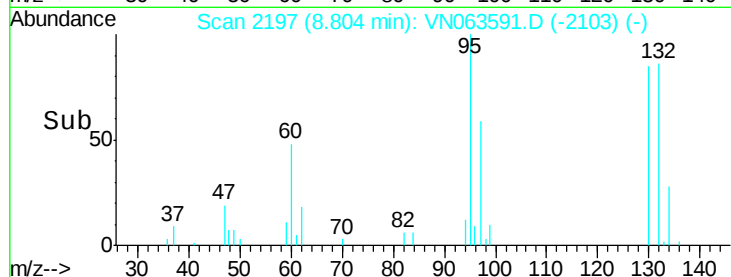
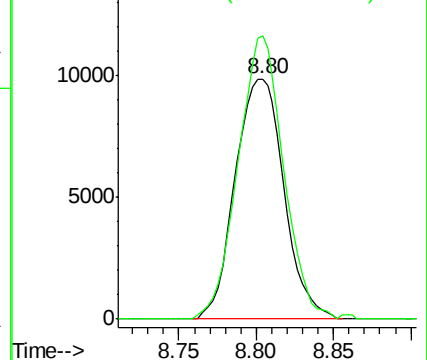
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#47

Bromodichloromethane

Concen: 0.311 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063591.D

Acq: 23 Sep 2020 16:06

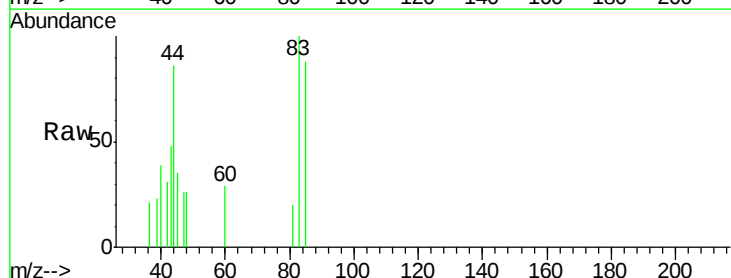
Tgt Ion: 83 Resp: 1376

Ion Ratio Lower Upper

83 100

85 88.4 51.0 76.6#

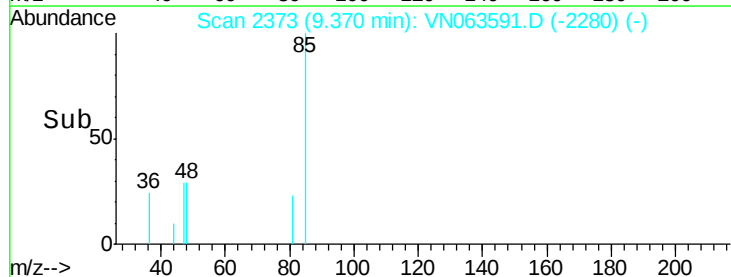
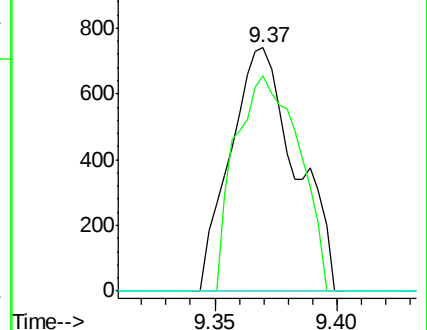
127 0.0 6.3 9.5#

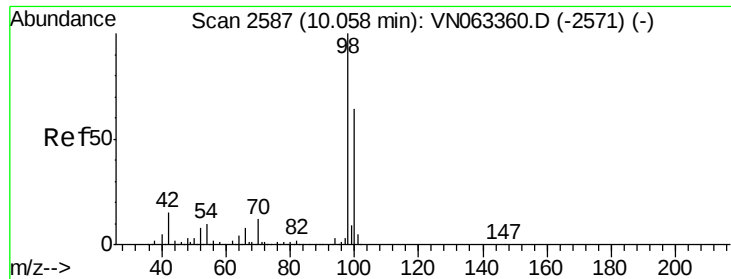


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V





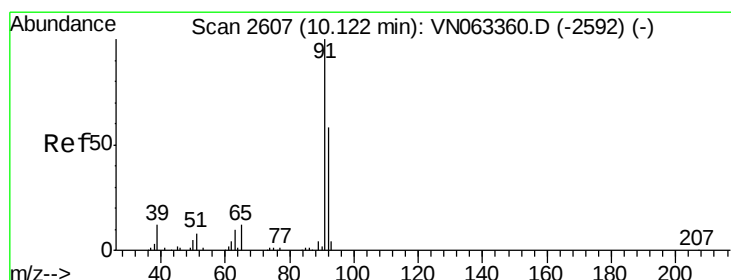
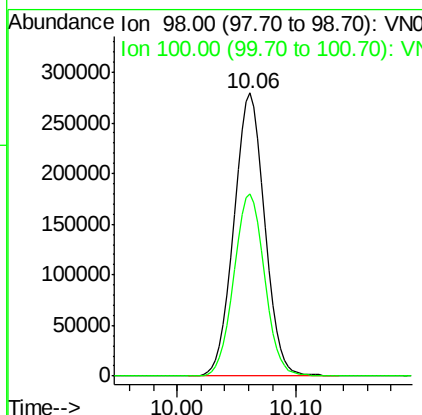
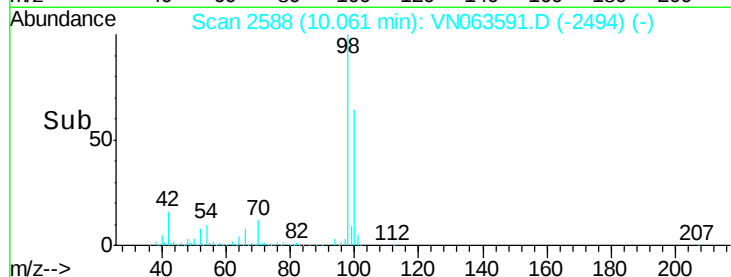
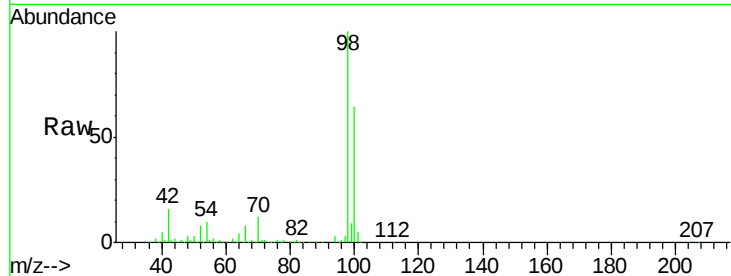
#50
Toluene-d8
Concen: 49.279 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Instrument :
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ClientSampleId :
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Tot Ion: 98 Resp: 501550
Ion Ratio Lower Upper
98 100
100 64.3 50.7 76.1

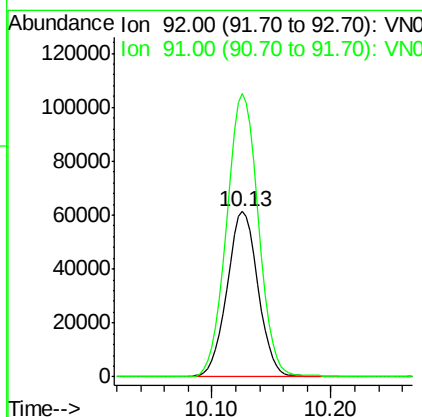
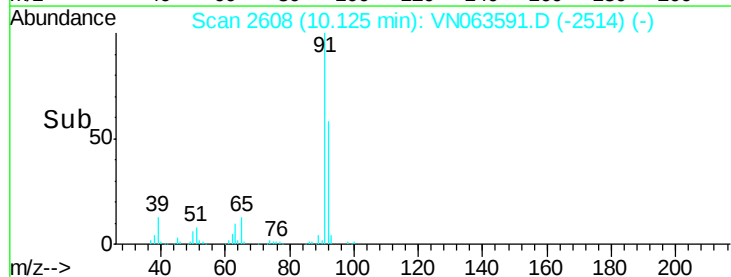
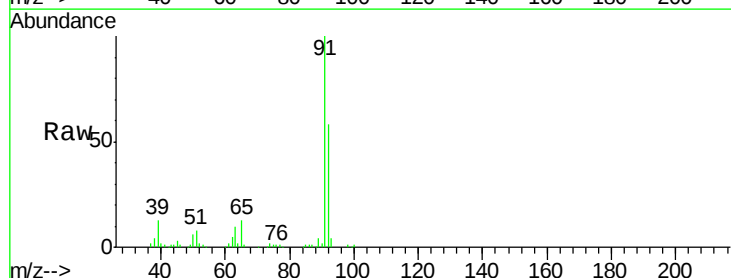
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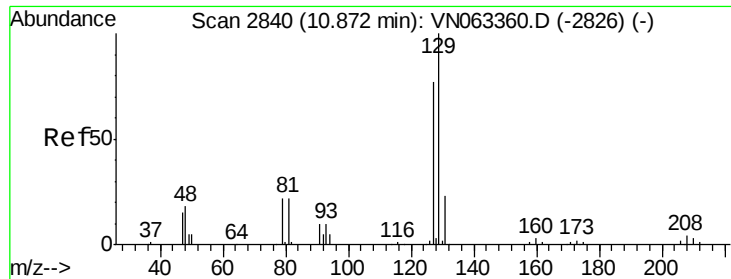
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#52
Toluene
Concen: 15.534 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Tgt Ion: 92 Resp: 111050
Ion Ratio Lower Upper
92 100
91 175.1 139.7 209.5





#60

Dibromochloromethane

Concen: 0.560 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063591.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

KY038PS027-200922

Tot Ion:129 Resp: 1798

Ion Ratio Lower Upper

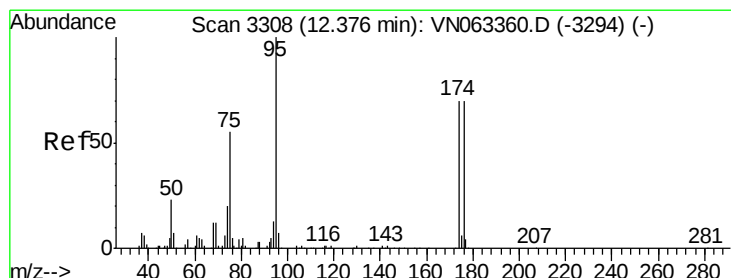
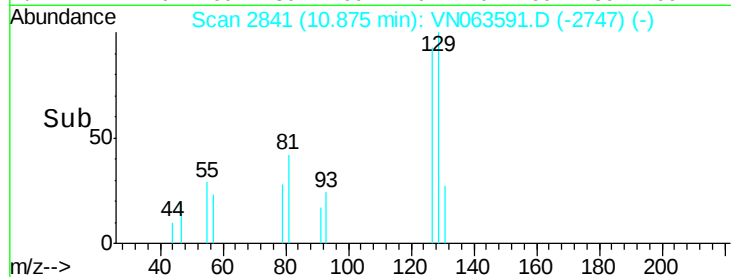
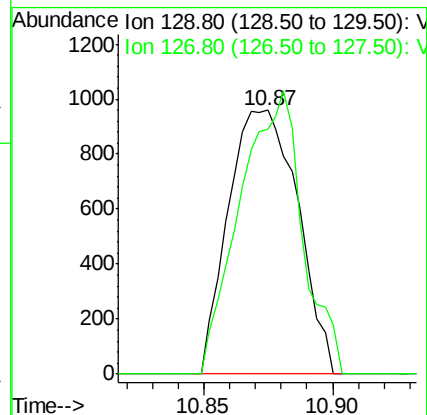
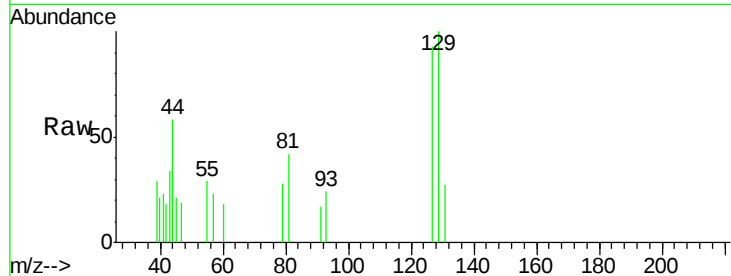
129 100

127 96.8 39.1 117.3

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 55.827 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063591.D

Acq: 23 Sep 2020 16:06

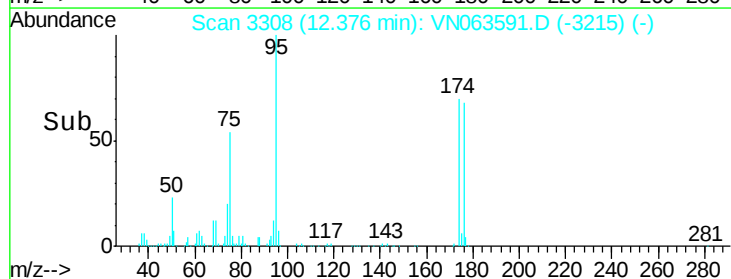
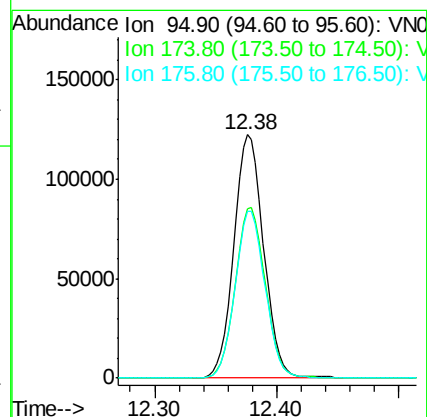
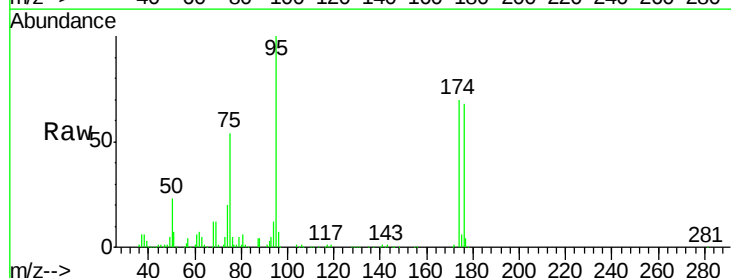
Tgt Ion: 95 Resp: 208287

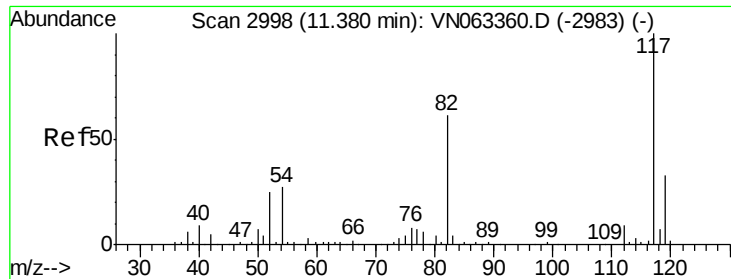
Ion Ratio Lower Upper

95 100

174 70.8 0.0 140.8

176 68.9 0.0 137.6





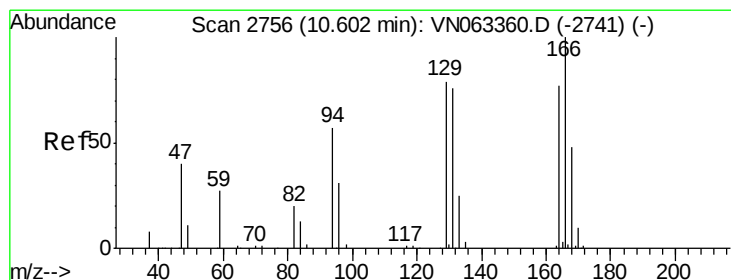
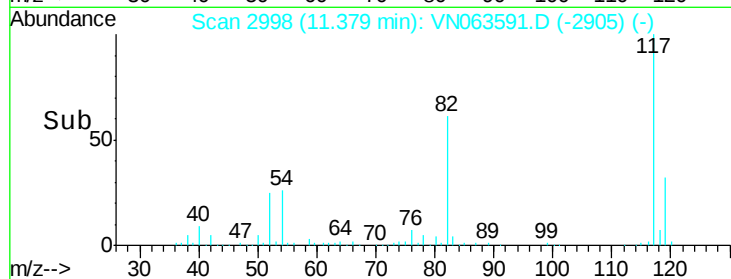
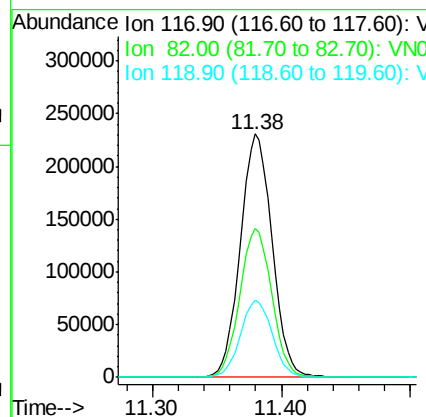
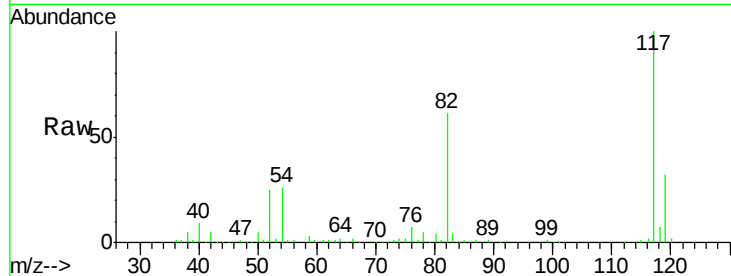
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
KY038PS027-200922

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.2	73.8
119	31.7	26.2	39.4

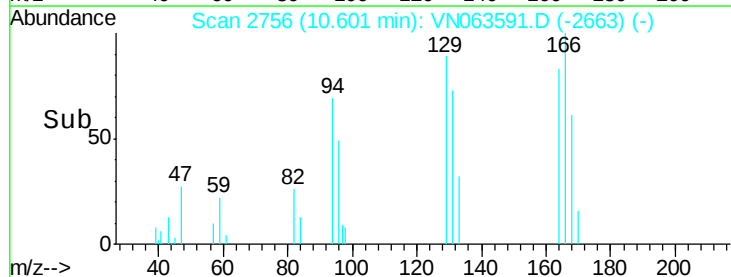
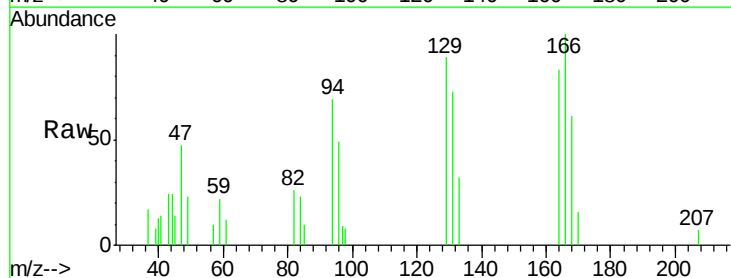
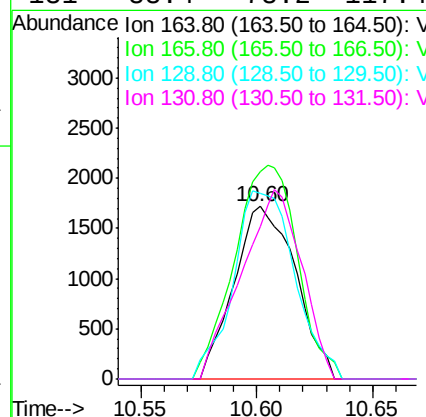
Manual Integrations
APPROVED

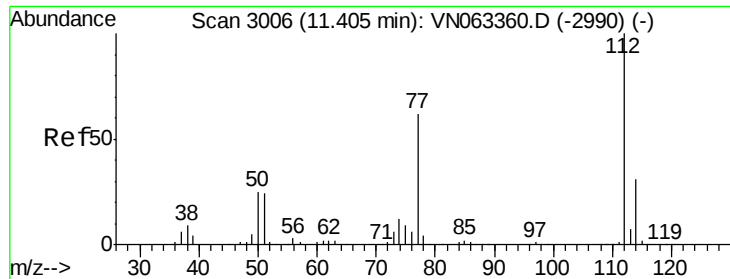
MMDadoda
9/24/2020 1:37:55 PM



#64
Tetrachloroethene
Concen: 1.176 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.7	103.4	155.0
129	107.7	81.8	122.6
131	88.4	78.2	117.4





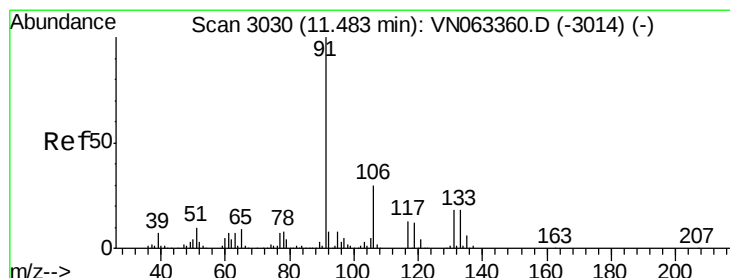
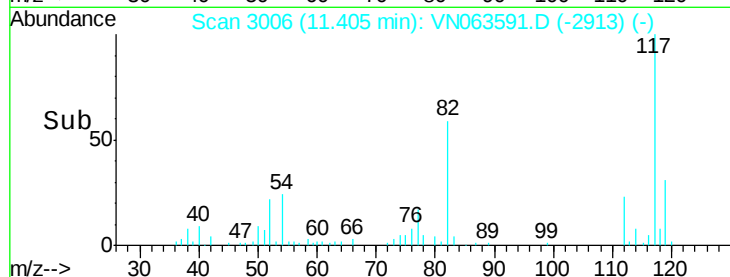
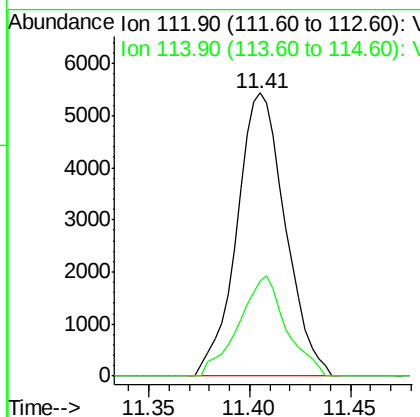
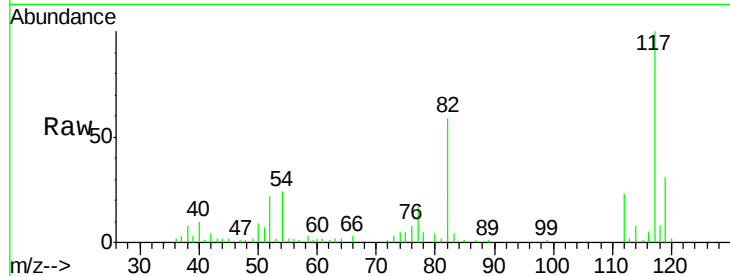
#65
Chlorobenzene
Concen: 1.087 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
KY038PS027-200922

Tot Ion: 112 Resp: 9140
Ion Ratio Lower Upper
112 100
114 33.7 25.0 37.6

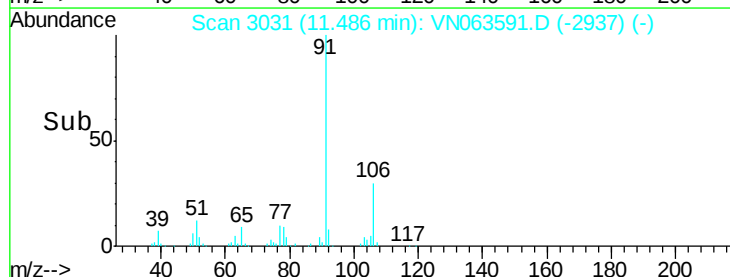
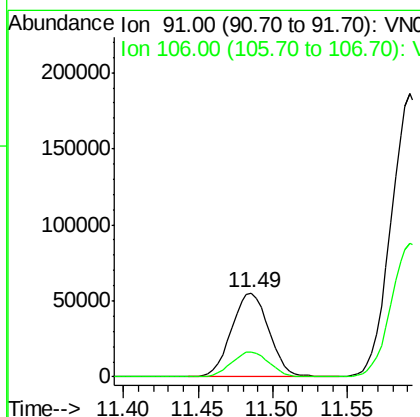
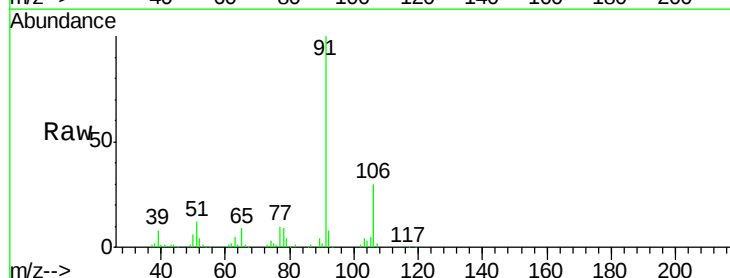
Manual Integrations
APPROVED

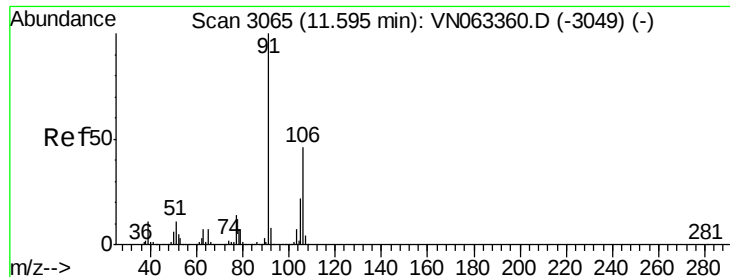
MMDadoda
9/24/2020 1:37:55 PM



#67
Ethyl Benzene
Concen: 6.069 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Tgt Ion: 91 Resp: 96131
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.6





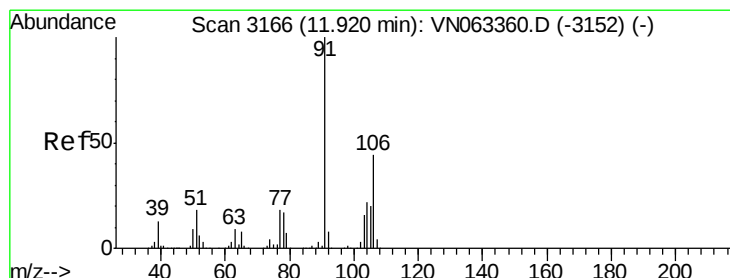
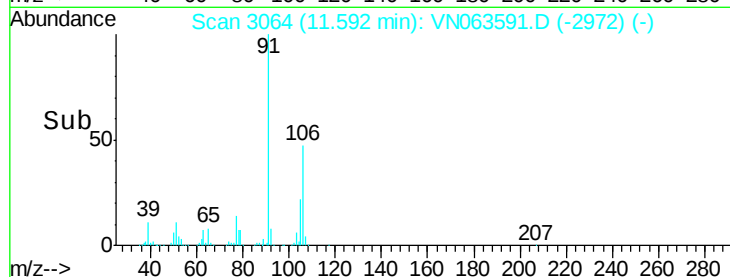
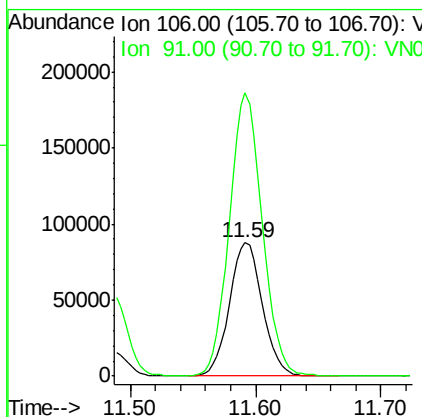
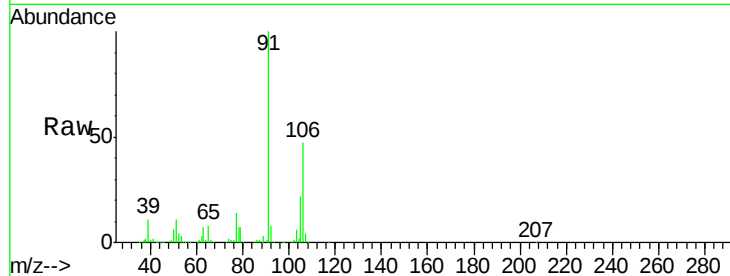
#68
m/p-Xylenes
Concen: 28.039 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
KY038PS027-200922

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.9	171.2	256.8	

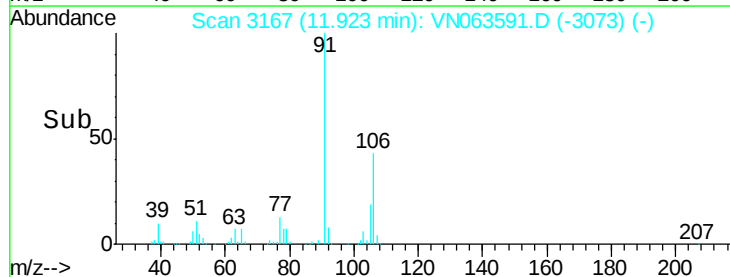
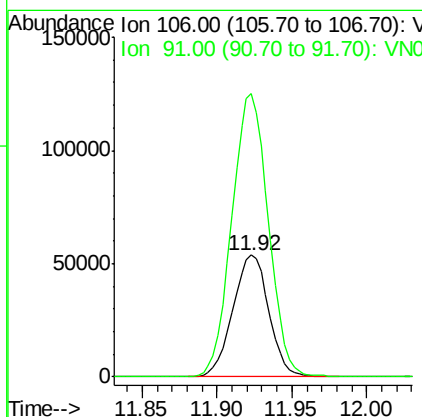
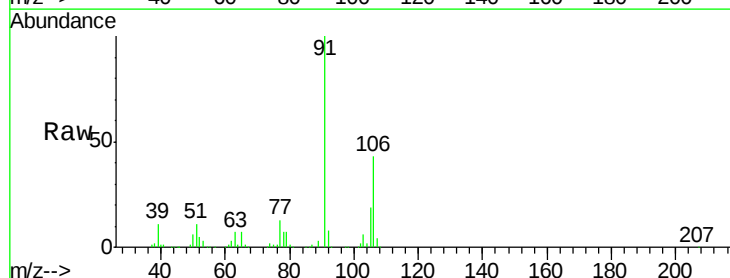
Manual Integrations
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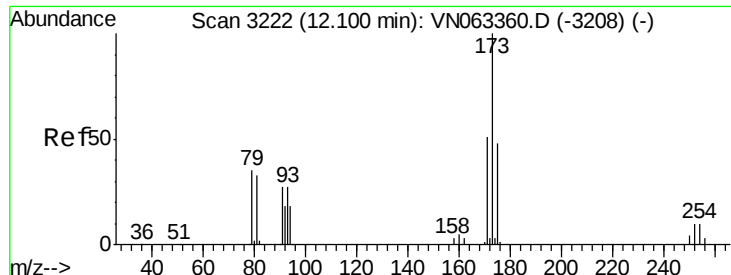
MMDadoda
9/24/2020 1:37:55 PM



#69
o-Xylene
Concen: 16.596 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	235.5	113.6	340.8	





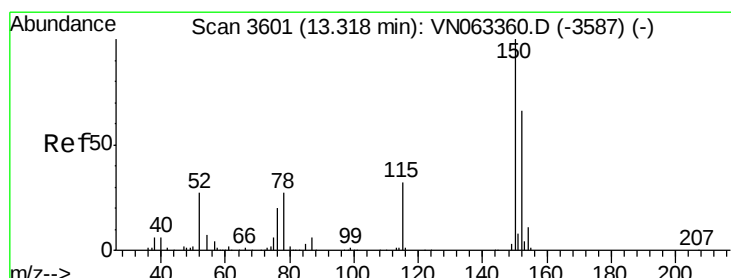
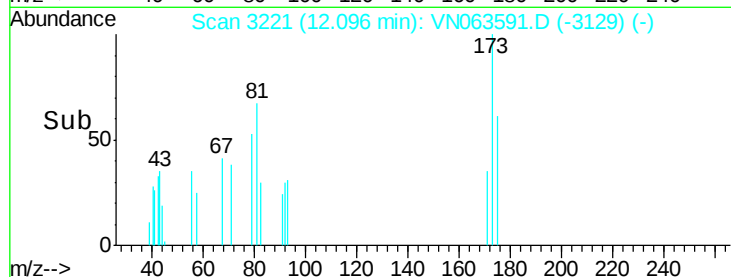
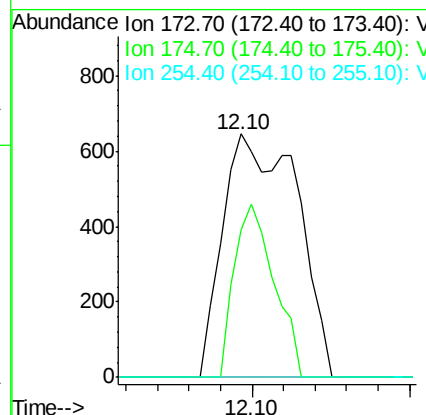
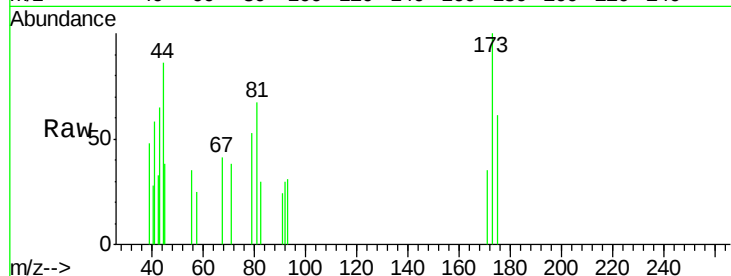
#71
Bromoform
Concen: 0.461 ug/l m
RT: 12.10 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
KY038PS027-200922

Tot Ion	Ratio	Lower	Upper
173	100		
175	38.1	24.0	72.0
254	0.0	0.0	0.0

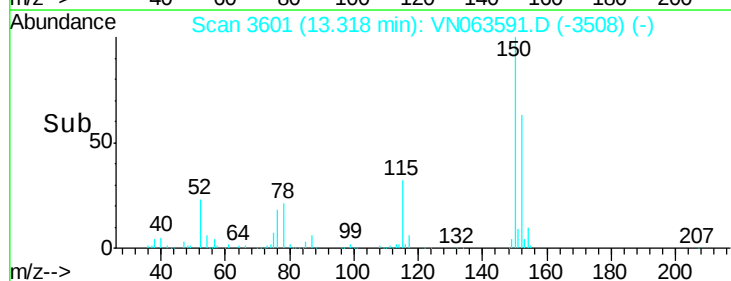
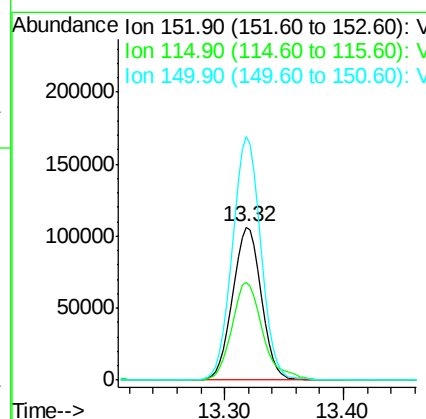
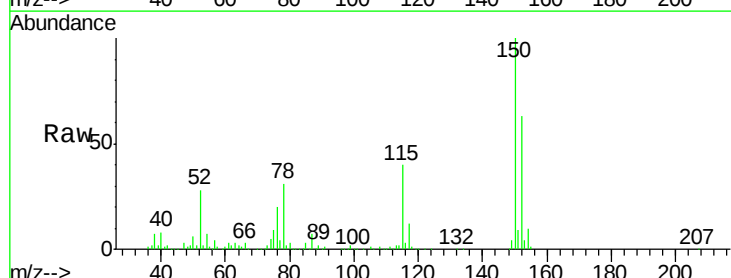
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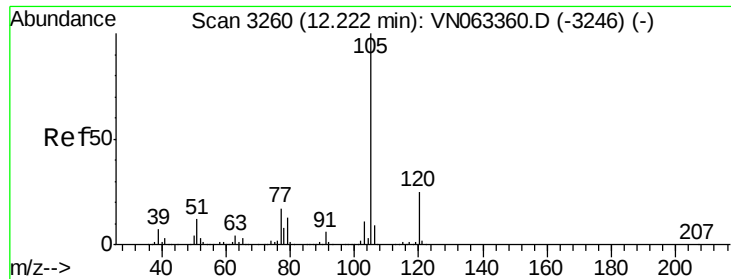
MMDadoda
9/24/2020 1:37:55 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.6	32.2	96.6
150	157.2	0.0	343.4





#73

Isopropylbenzene

Concen: 13.018 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063591.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

KY038PS027-200922

Tot Ion: 105 Resp: 186140

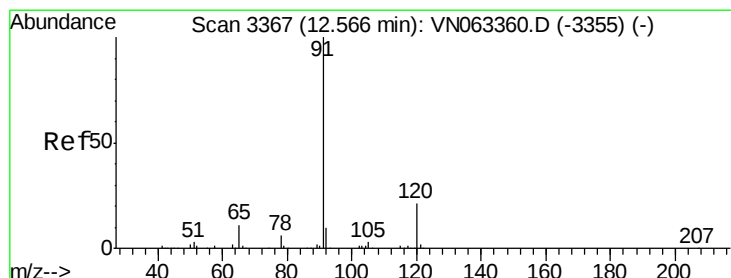
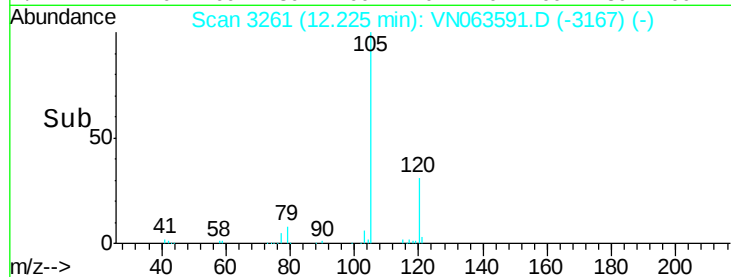
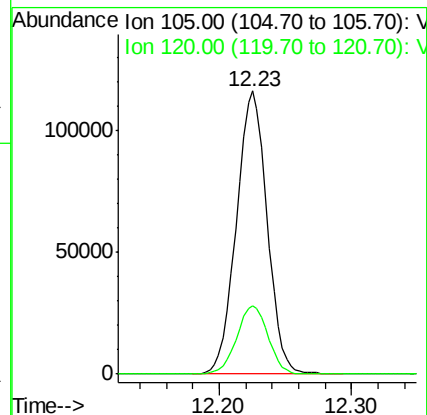
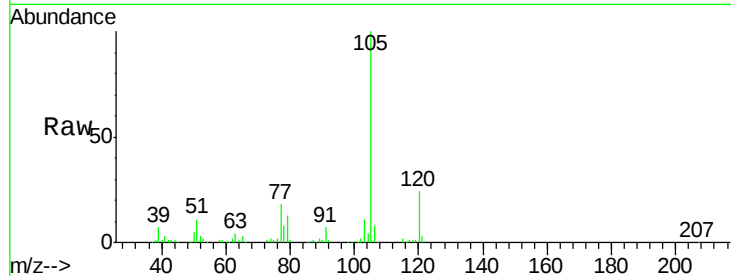
Ion Ratio Lower Upper

105 100

120 24.6 12.7 38.0

Manual Integrations
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#78

n-propylbenzene

Concen: 5.465 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063591.D

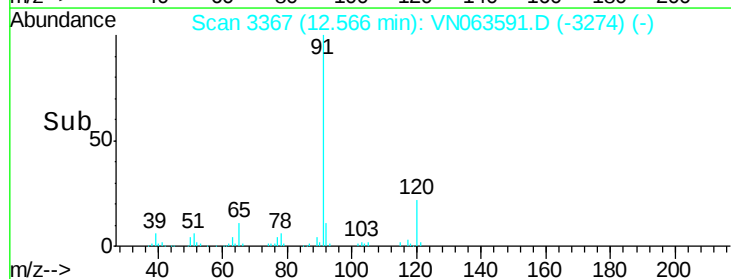
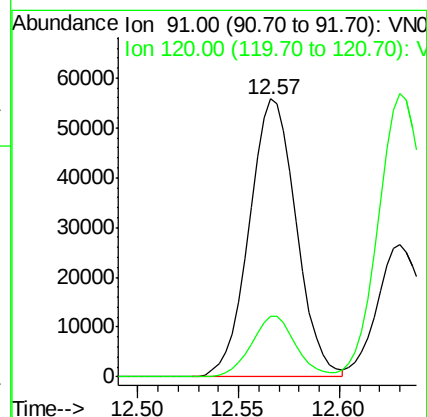
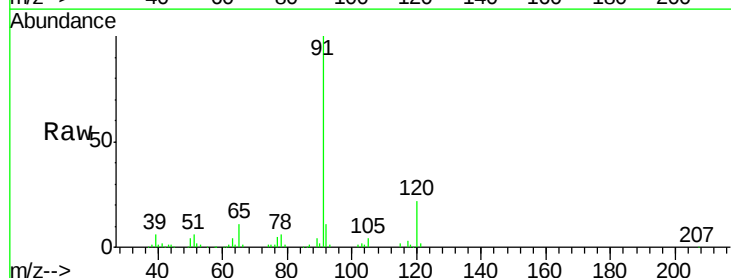
Acq: 23 Sep 2020 16:06

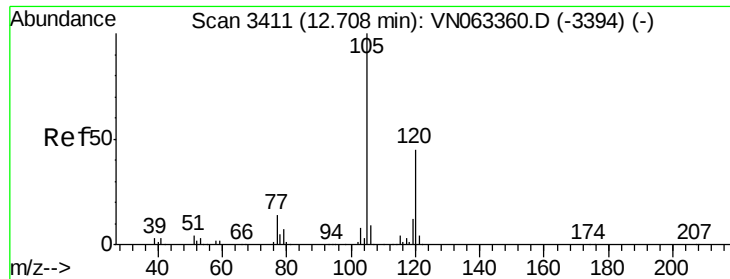
Tgt Ion: 91 Resp: 91009

Ion Ratio Lower Upper

91 100

120 20.8 10.8 32.3





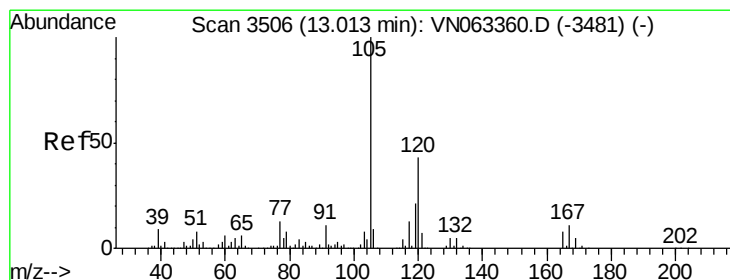
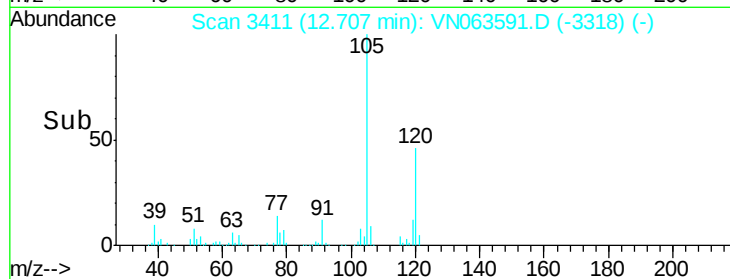
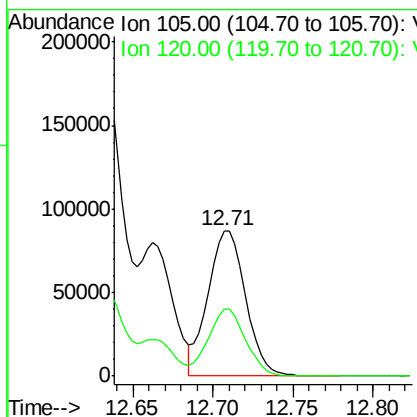
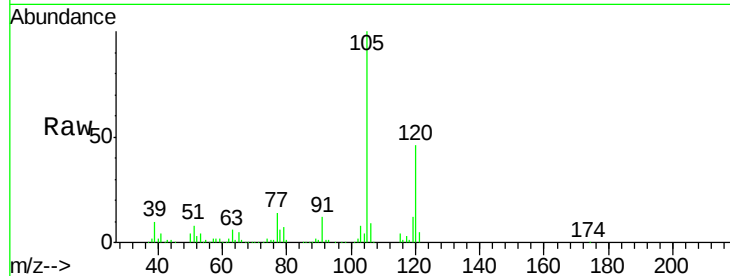
#80
 1,3,5-Trimethylbenzene
 Concen: 11.838 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063591.D
 Acq: 23 Sep 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS027-200922

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8

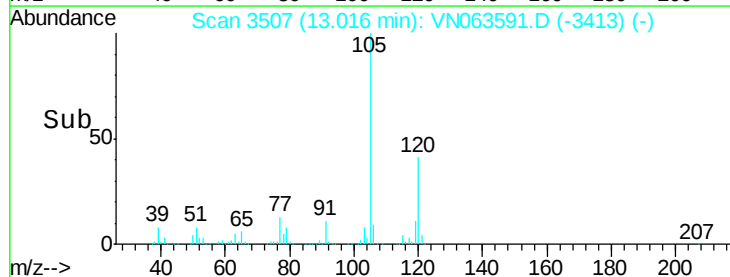
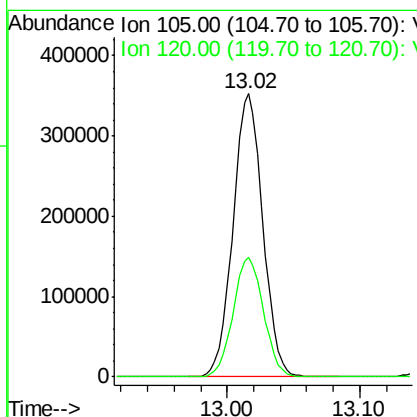
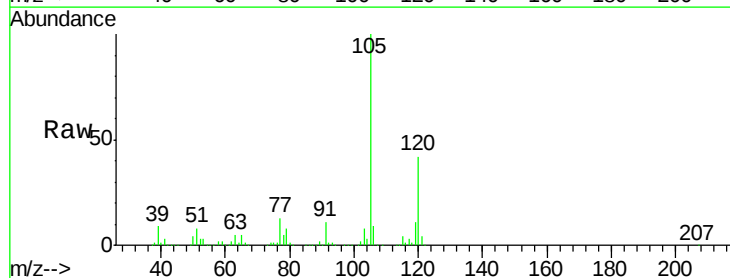
Manual Integrations
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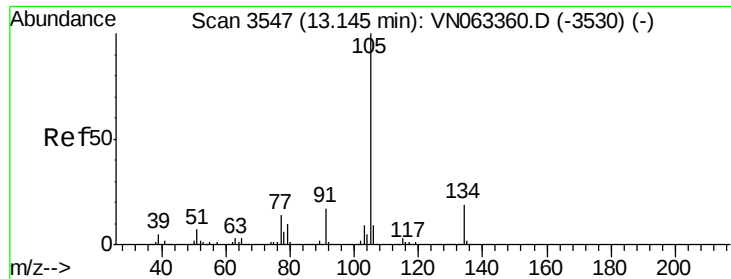
MMDadoda
 9/24/2020 1:37:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.589 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063591.D
 Acq: 23 Sep 2020 16:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.3	63.9





#85

sec-Butylbenzene

Concen: 0.488 ug/l m

RT: 13.15 min Scan# 3549

Delta R.T. 0.01 min

Lab File: VN063591.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

KY038PS027-200922

Tot Ion:105 Resp: 6422

Ion Ratio Lower Upper

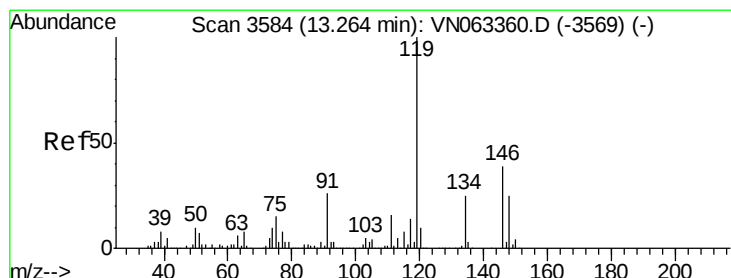
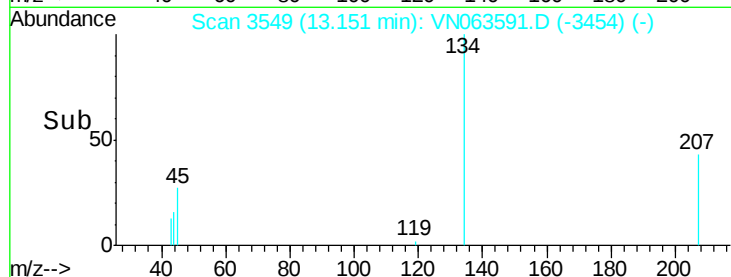
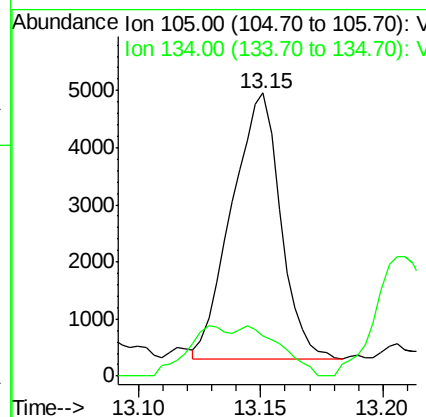
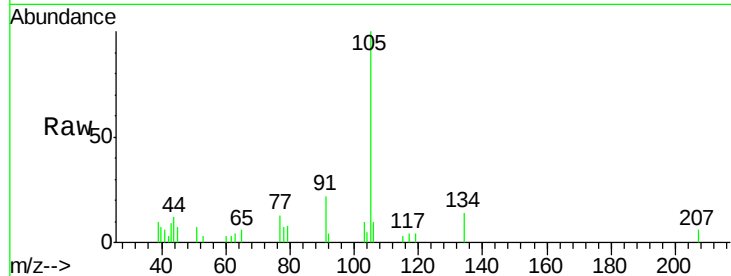
105 100

134 0.0 9.3 27.7#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 0.399 ug/l m

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063591.D

Acq: 23 Sep 2020 16:06

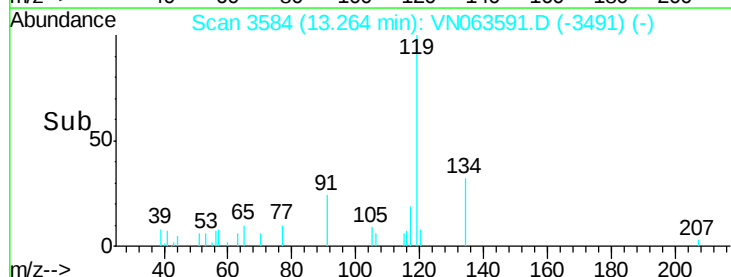
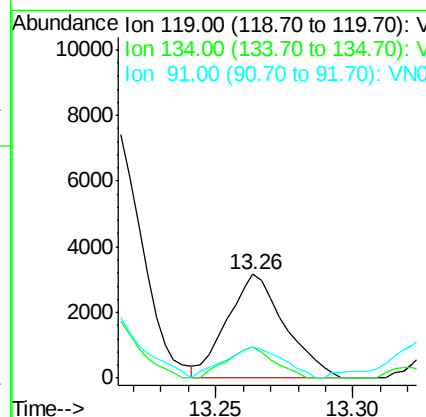
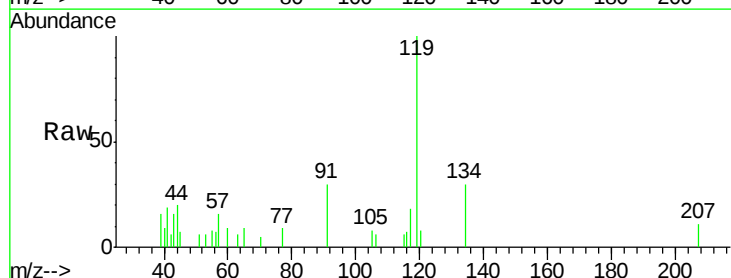
Tgt Ion:119 Resp: 4636

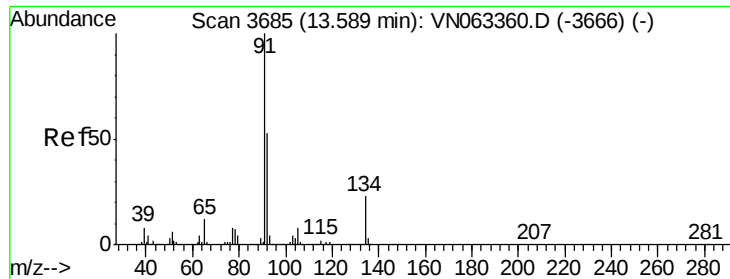
Ion Ratio Lower Upper

119 100

134 72.4 12.5 37.5#

91 87.5 13.4 40.1#





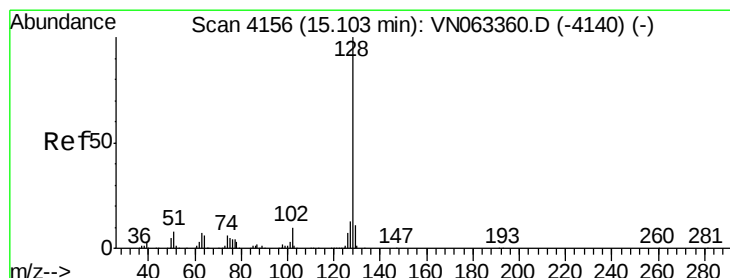
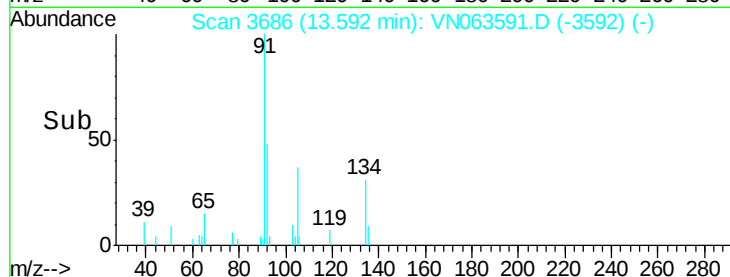
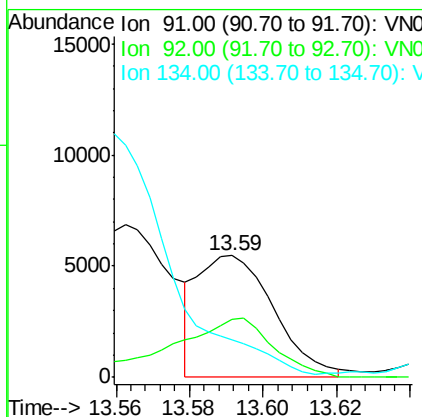
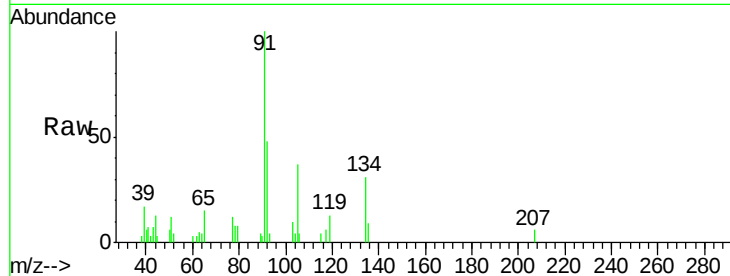
#89
n-Butylbenzene
Concen: 0.733 ug/l m
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
KY038PS027-200922

Tot Ion	Ratio	Lower	Upper
91	100		
92	7.8	26.0	78.0#
134	260.5	11.7	35.0#

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#95
Naphthalene
Concen: 3.781 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063591.D
Acq: 23 Sep 2020 16:06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.0	8.8	13.2

