

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064667.D
 Acq On : 16 Nov 2020 18:01
 Operator : JC/MD
 Sample : L4772-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 7:02:20 PM

Quant Time: Nov 17 05:06:32 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	7.63	168	245140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	494961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	552363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	308758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	233738	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	
35) Dibromofluoromethane	7.55	113	173809	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
50) Toluene-d8	10.06	98	648453	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.38	95	312540	63.45	ug/l	0.00
Spiked Amount			Recovery	=	126.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	15745	9.680	ug/l	93
39) Methylcyclohexane	9.04	83	5321	1.135	ug/l	92
44) Trichloroethene	8.81	130	1219m	0.314	ug/l	
64) Tetrachloroethene	10.60	164	4333	1.018	ug/l	89
67) Ethyl Benzene	11.48	91	943534	43.806	ug/l	99
68) m/p-Xylenes	11.60	106	427321	54.706	ug/l	97
69) o-Xylene	11.92	106	7926	1.050	ug/l	59
73) Isopropylbenzene	12.23	105	2750537	112.079	ug/l	99
78) n-propylbenzene	12.57	91	5368980	191.896	ug/l	95
80) 1,3,5-Trimethylbenzene	12.71	105	1501340	74.156	ug/l	98
83) tert-Butylbenzene	12.97	119	325086	20.559	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	11249047	552.711	ug/l #	56
85) sec-Butylbenzene	13.15	105	1545072	77.155	ug/l #	75
86) p-Isopropyltoluene	13.26	119	641388	35.608	ug/l	100
89) n-Butylbenzene	13.59	91	904465	58.401	ug/l #	78
95) Naphthalene	15.10	128	706983	42.346	ug/l	99

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

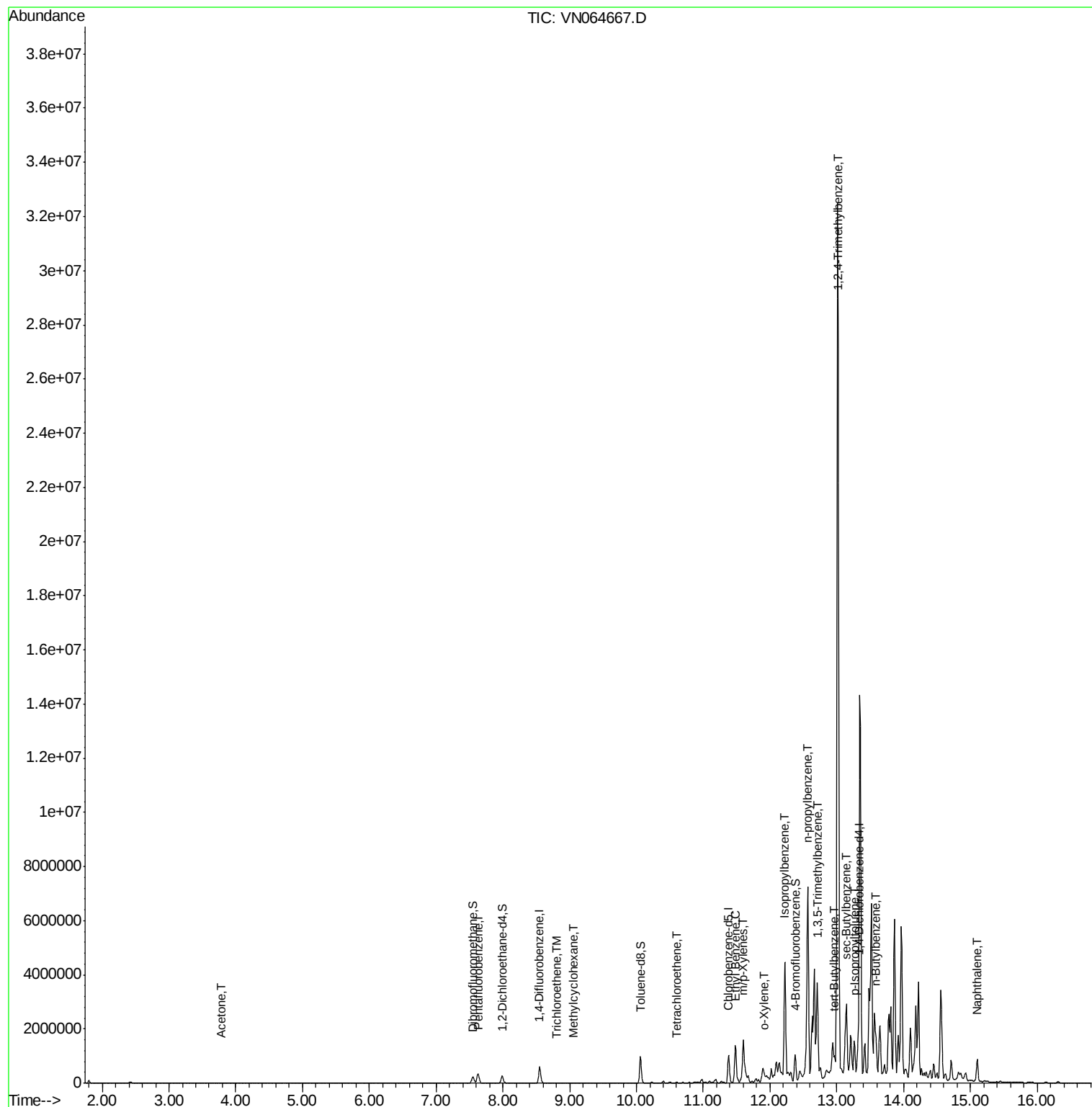
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111620\
Data File : VN064667.D
Acq On : 16 Nov 2020 18:01
Operator : JC/MD
Sample : L4772-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

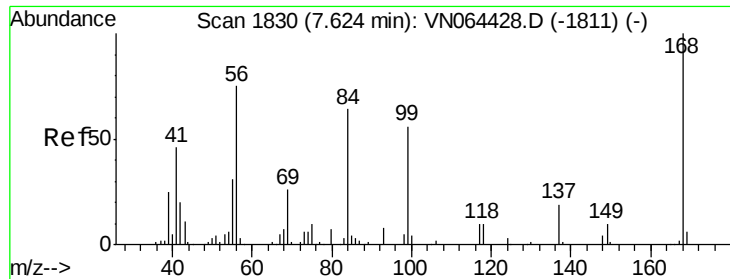
Instrument :
MSVOA_N
ClientSampleId :
MW-2

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Quant Time: Nov 17 05:06:32 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: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064667.D

Acq: 16 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion:168 Resp: 245140

Ion Ratio Lower Upper

168 100

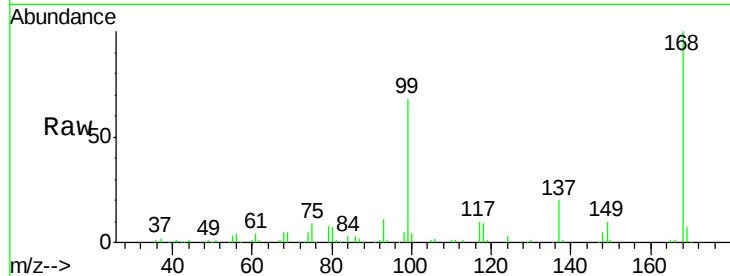
99 67.5 53.4 80.2

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

120000

100000

80000

60000

40000

20000

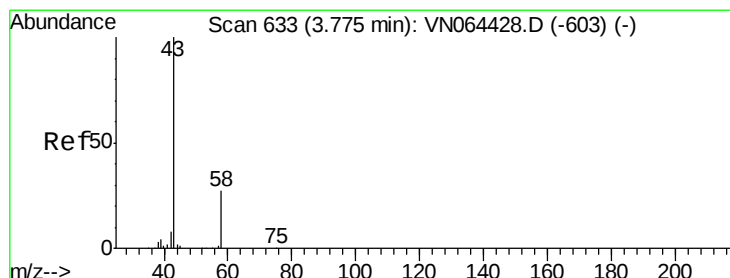
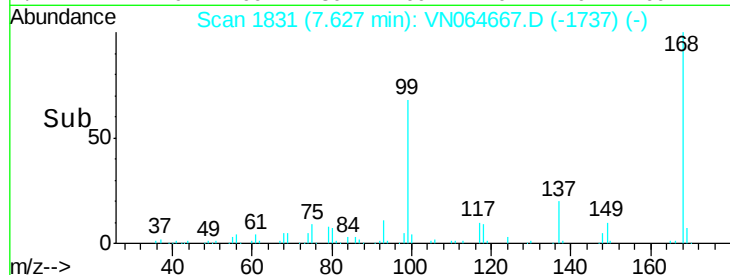
0

7.50

7.60

7.70

Time-->



#16

Acetone

Concen: 9.680 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064667.D

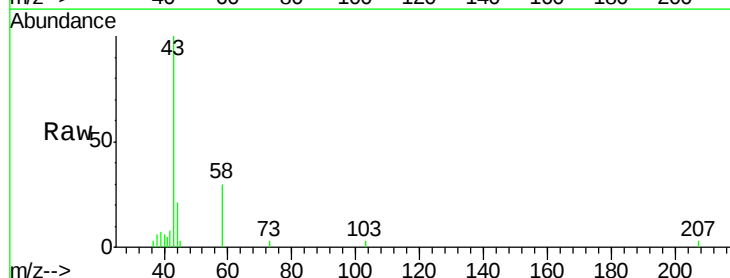
Acq: 16 Nov 2020 18:01

Tgt Ion: 43 Resp: 15745

Ion Ratio Lower Upper

43 100

58 30.1 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

6000

5000

4000

3000

2000

1000

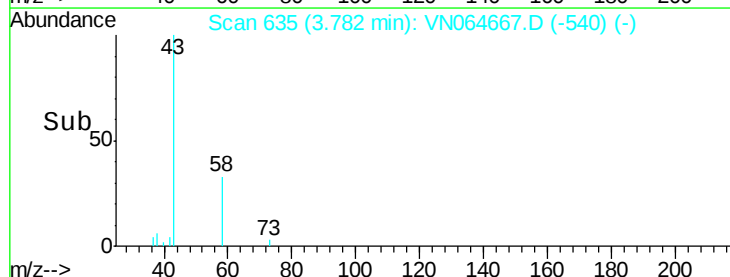
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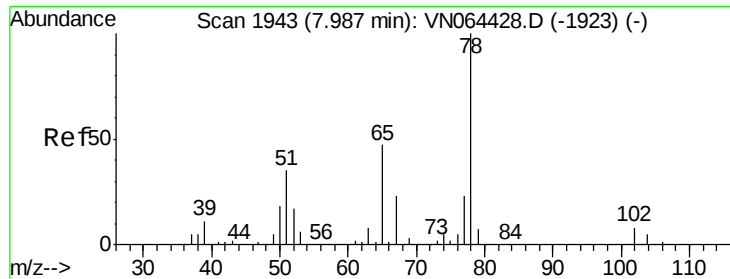
3.70

3.80

3.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.740 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064667.D

Acq: 16 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion: 65 Resp: 233738

Ion Ratio Lower Upper

65 100

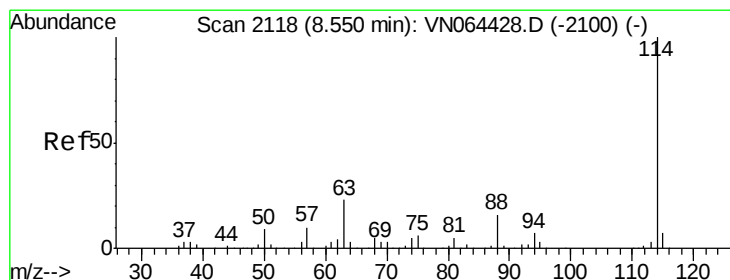
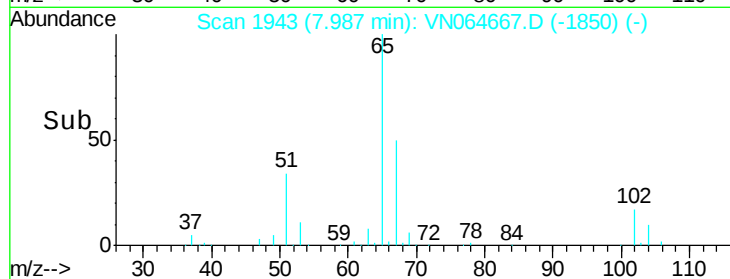
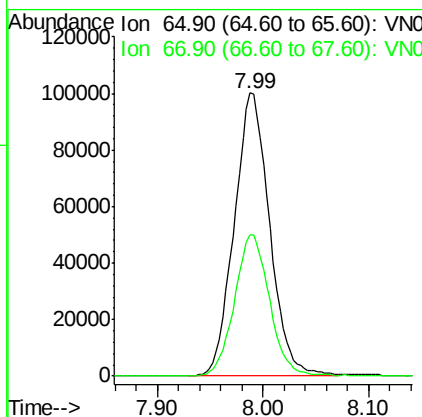
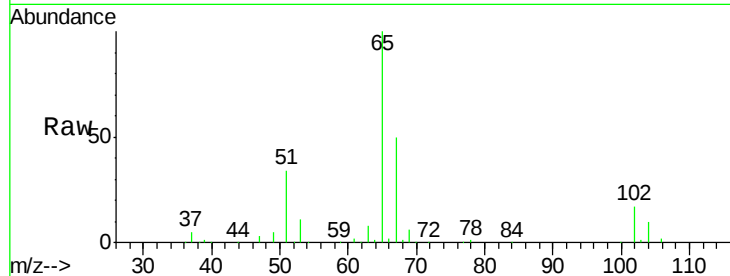
67 49.4 0.0 101.6

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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: VN064667.D

Acq: 16 Nov 2020 18:01

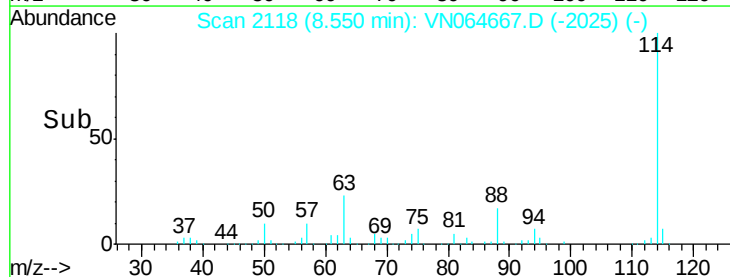
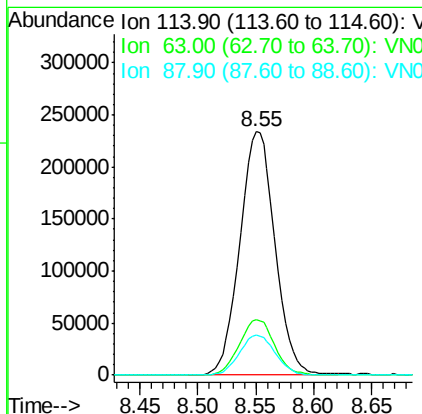
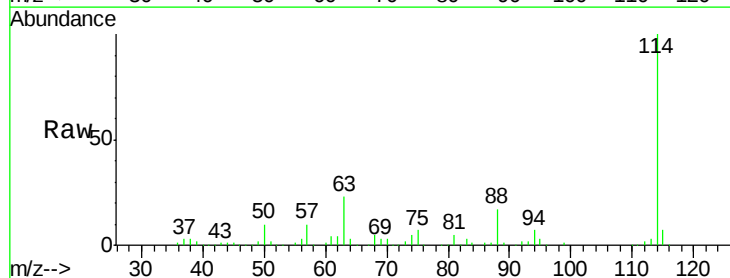
Tgt Ion: 114 Resp: 494961

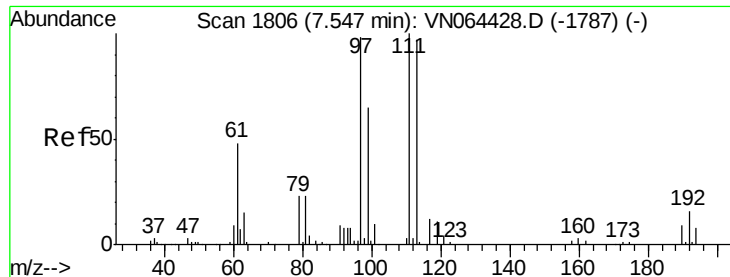
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.5 0.0 32.8





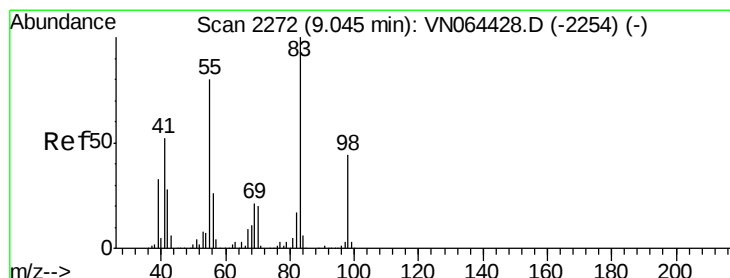
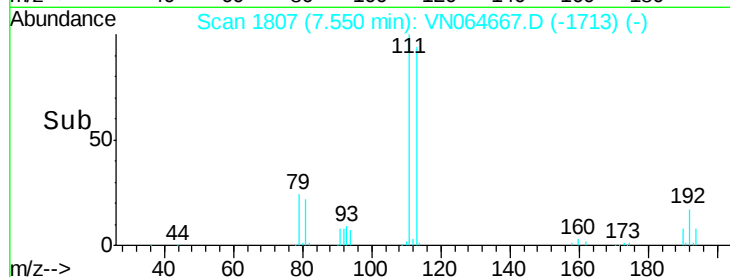
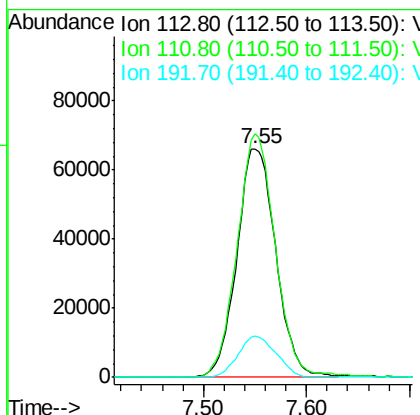
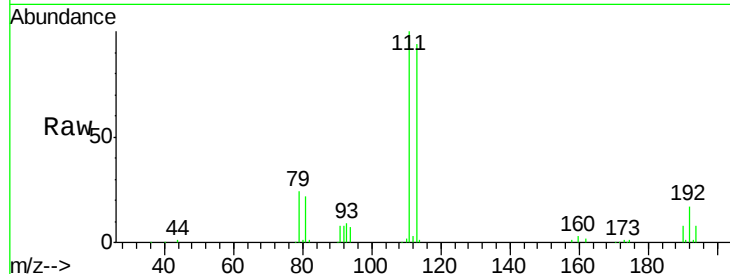
#35
Dibromofluoromethane
Concen: 51.575 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064667.D
Acq: 16 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
113	100	173809		
111	103.3	81.1	121.7	
192	17.8	12.8	19.2	

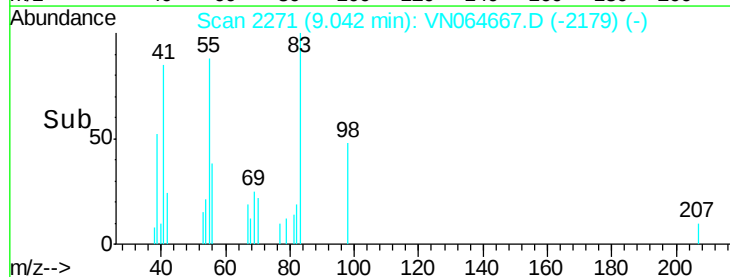
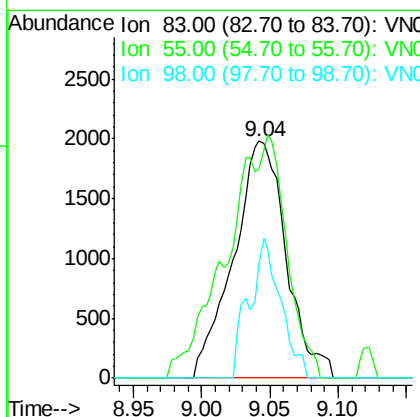
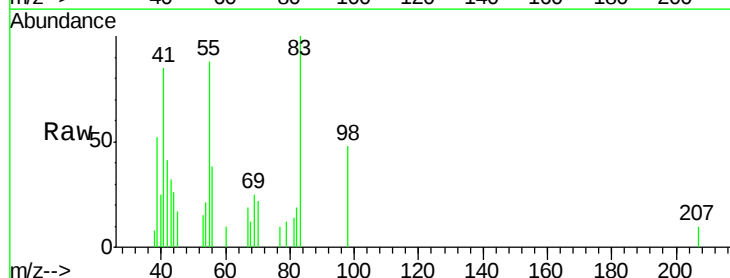
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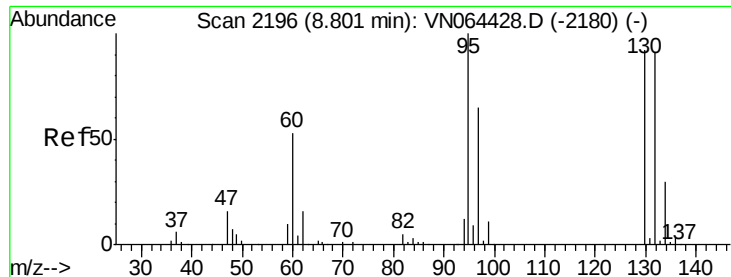
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#39
Methylcyclohexane
Concen: 1.135 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064667.D
Acq: 16 Nov 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	5321		
55	88.0	63.8	95.6	
98	48.1	35.4	53.2	





#44

Trichloroethene

Concen: 0.314 ug/l m

RT: 8.81 min Scan# 2198

Delta R.T. 0.01 min

Lab File: VN064667.D

Acq: 16 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion:130 Resp: 1219

Ion Ratio Lower Upper

130 100

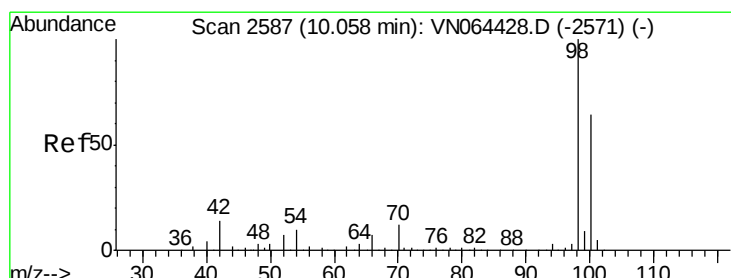
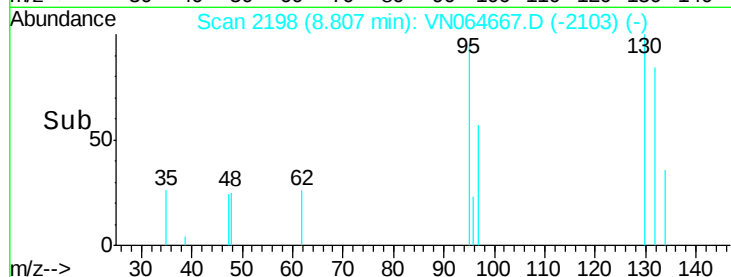
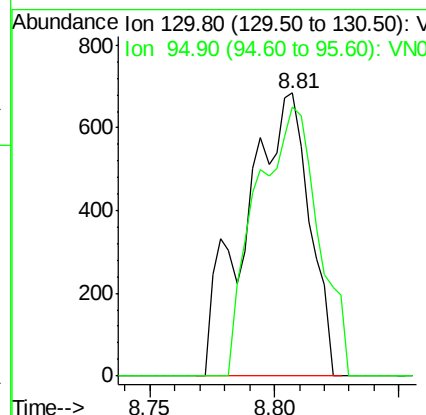
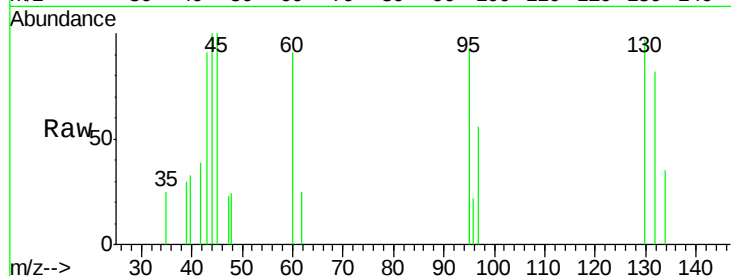
95 95.0 0.0 216.8

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#50

Toluene-d8

Concen: 49.785 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064667.D

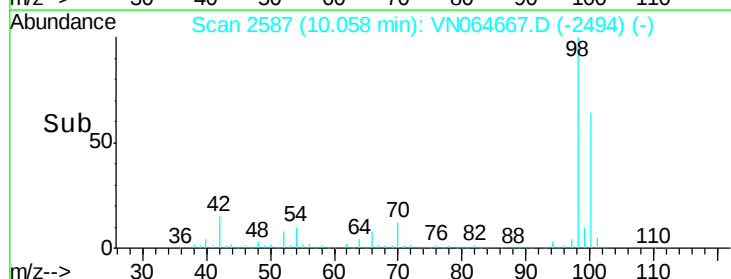
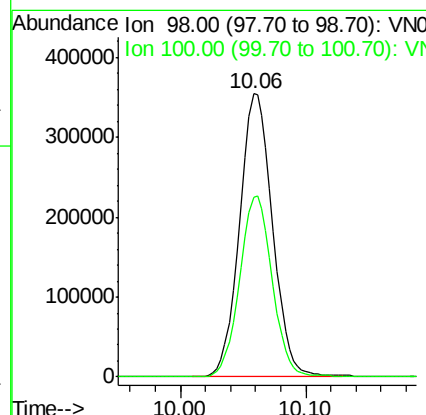
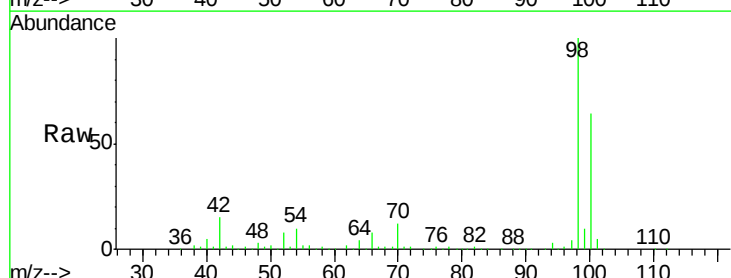
Acq: 16 Nov 2020 18:01

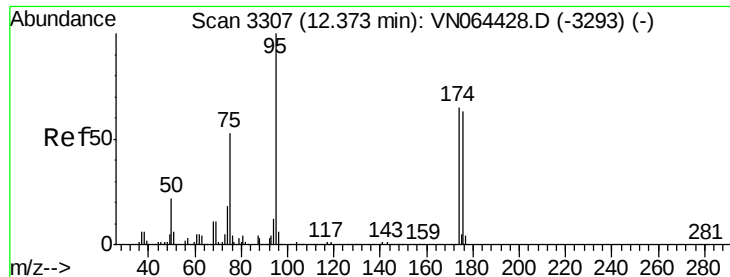
Tgt Ion: 98 Resp: 648453

Ion Ratio Lower Upper

98 100

100 62.9 50.7 76.1





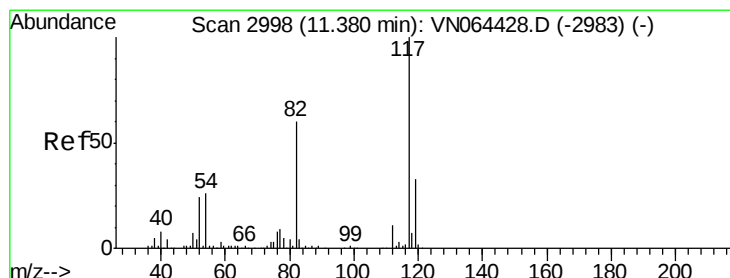
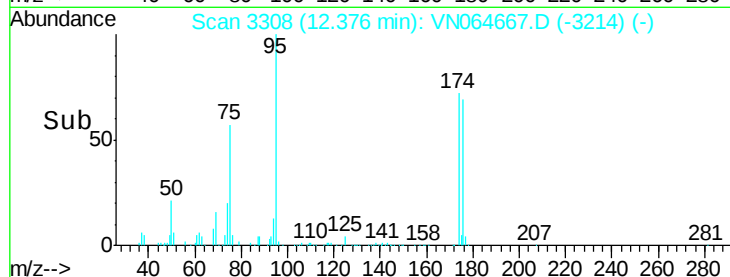
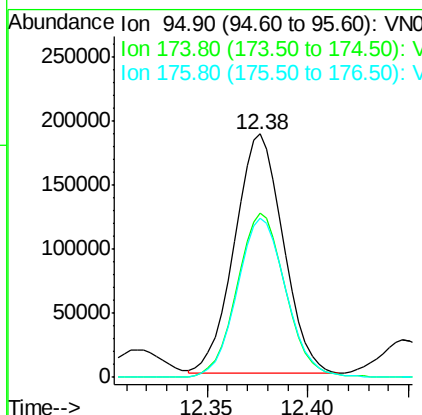
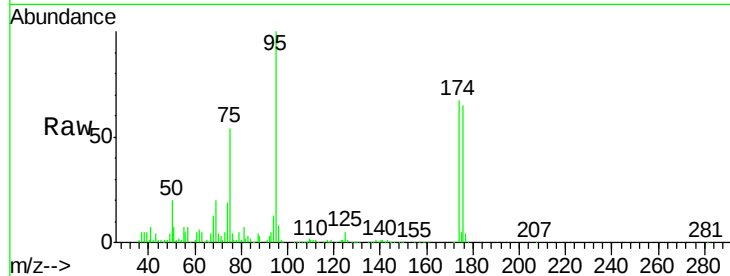
#62
4-Bromofluorobenzene
Concen: 63.448 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064667.D
Acq: 16 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
95	100		
174	69.2	0.0	132.6
176	67.4	0.0	129.2

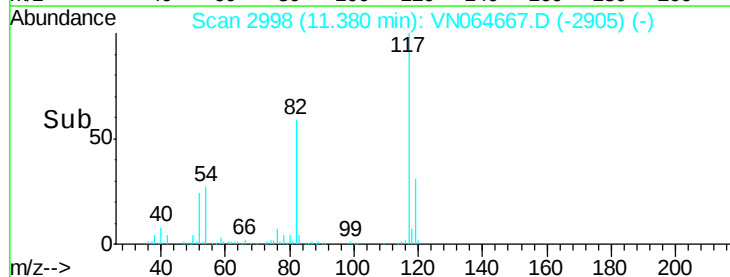
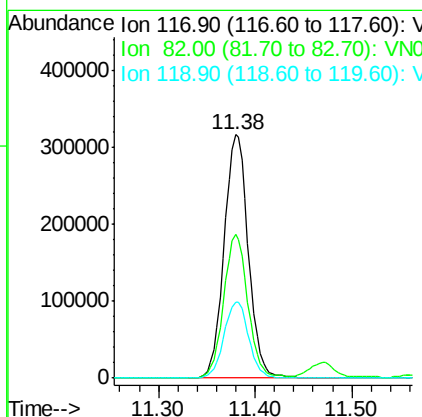
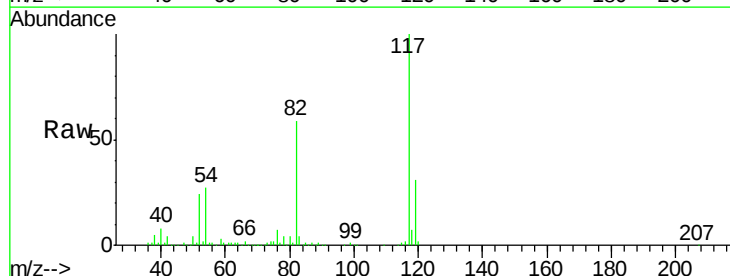
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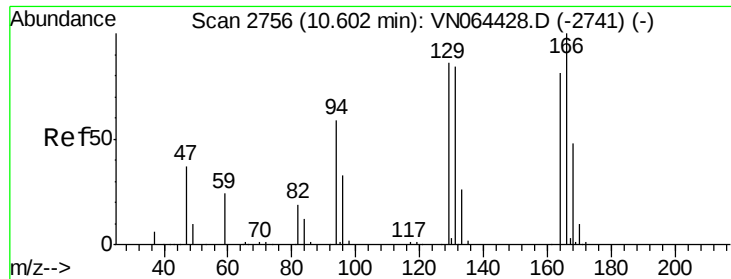
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064667.D
Acq: 16 Nov 2020 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.0	48.1	72.1
119	31.1	26.2	39.4





#64

Tetrachloroethene

Concen: 1.018 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064667.D

Acq: 16 Nov 2020 18:01

Instrument :

MSVOA_N

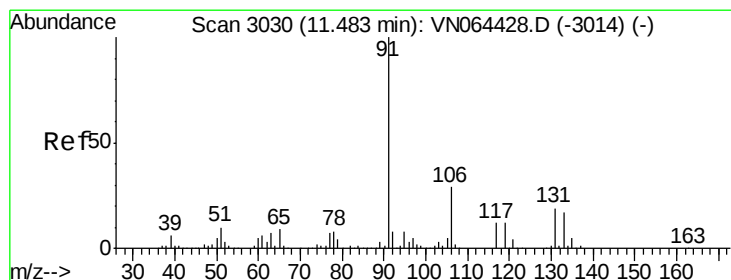
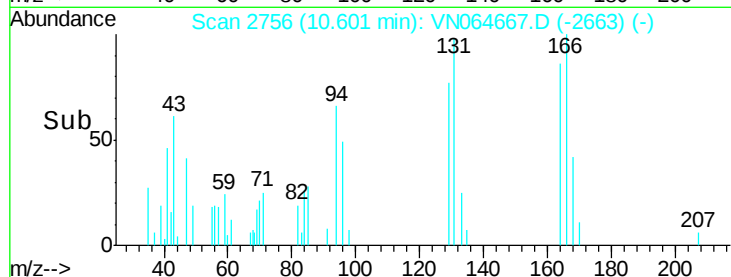
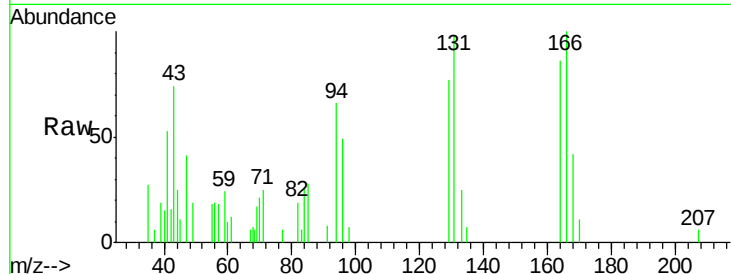
ClientSampleId :

MW-2

Tot Ion:	164	Resp:	4333
Ion	Ratio	Lower	Upper
164	100		
166	115.6	98.2	147.2
129	89.4	84.6	127.0
131	113.3	82.2	123.2

Manual Integrations
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#67

Ethyl Benzene

Concen: 43.806 ug/l

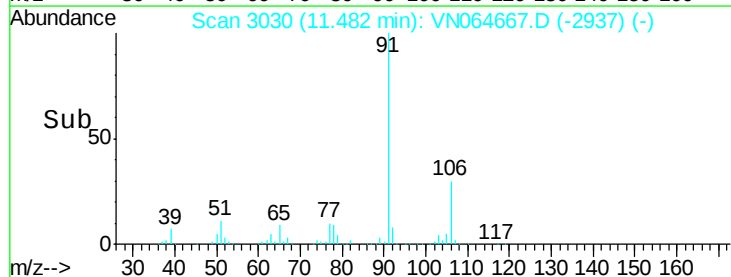
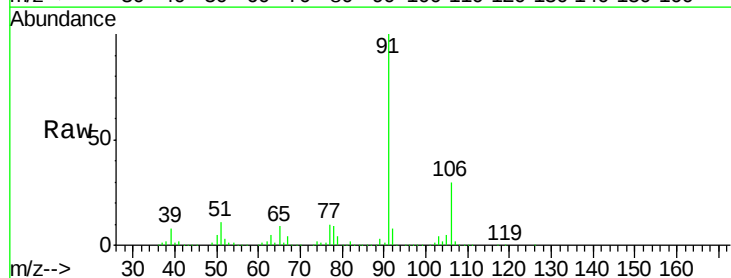
RT: 11.48 min Scan# 3030

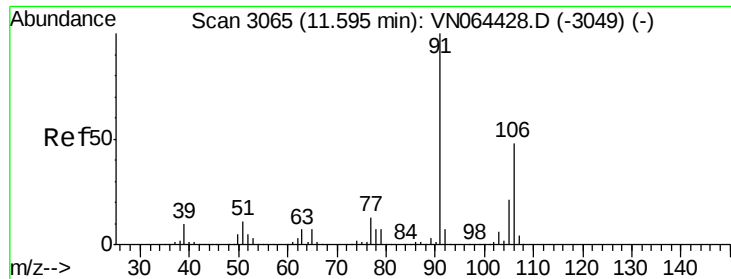
Delta R.T. -0.00 min

Lab File: VN064667.D

Acq: 16 Nov 2020 18:01

Tgt Ion:	91	Resp:	943534
Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.6	35.4





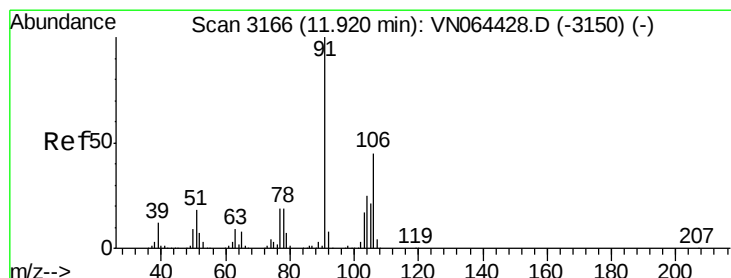
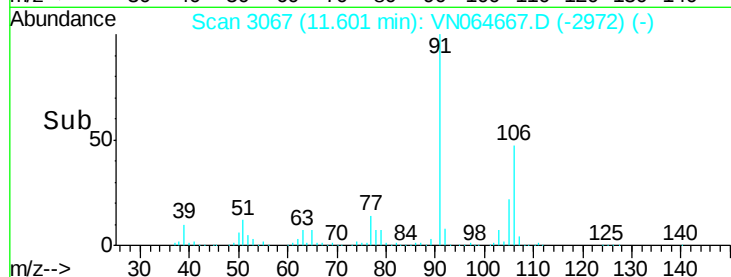
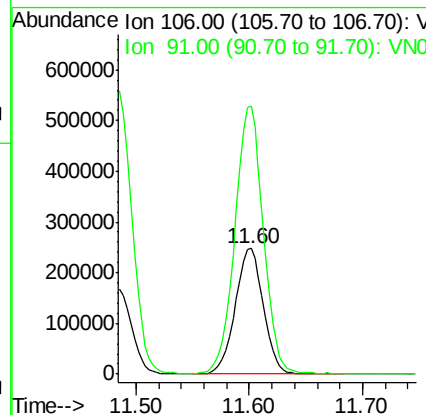
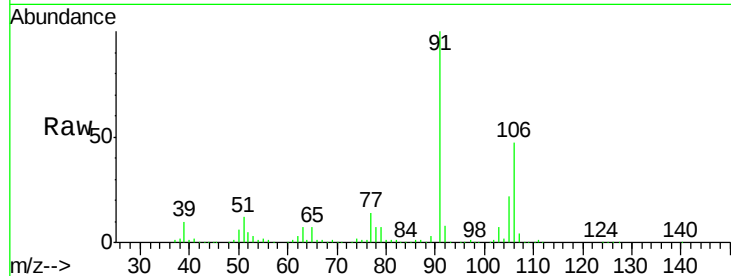
#68
m/p-Xylenes
Concen: 54.706 ug/l
RT: 11.60 min Scan# 3067
Delta R.T. 0.01 min
Lab File: VN064667.D
Acq: 16 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion:106 Resp: 427321
Ion Ratio Lower Upper
106 100
91 216.2 169.4 254.2

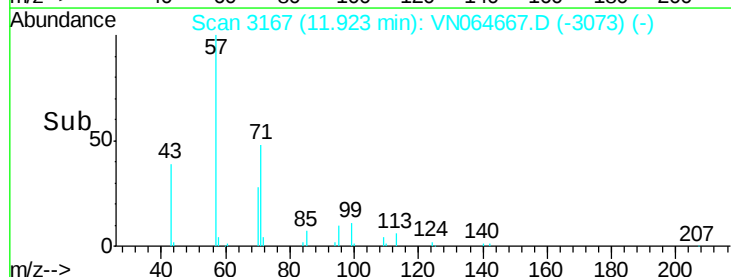
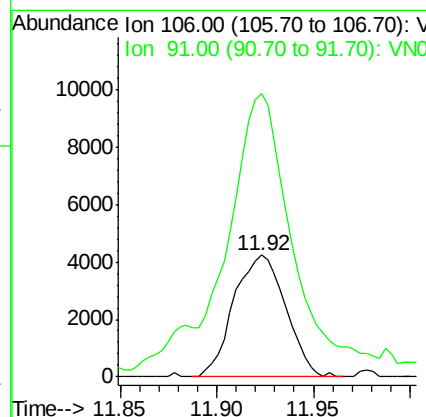
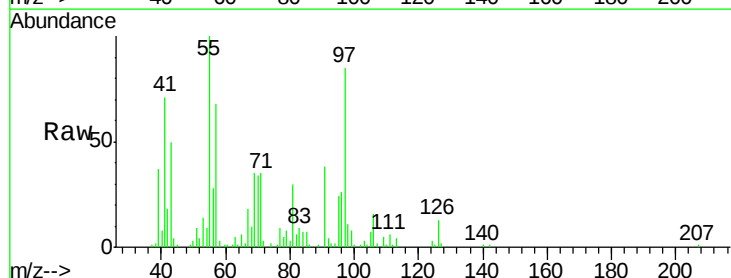
Manual Integrations
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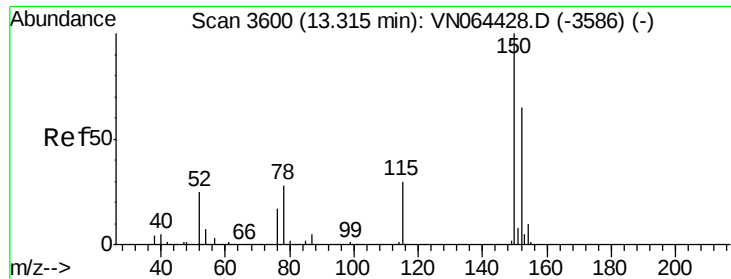
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#69
o-Xylene
Concen: 1.050 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064667.D
Acq: 16 Nov 2020 18:01

Tgt Ion:106 Resp: 7926
Ion Ratio Lower Upper
106 100
91 289.3 111.7 334.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064667.D

Acq: 16 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion:152 Resp: 308758

Ion Ratio Lower Upper

152 100

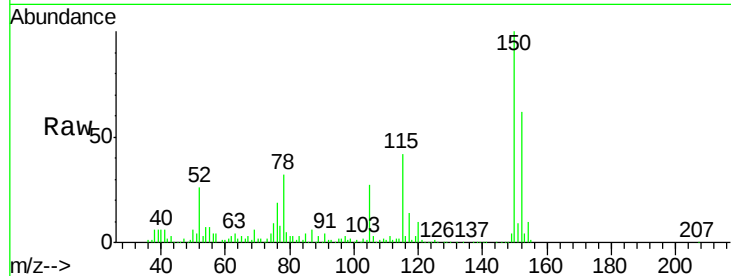
115 54.4 32.0 96.0

150 157.7 0.0 353.8

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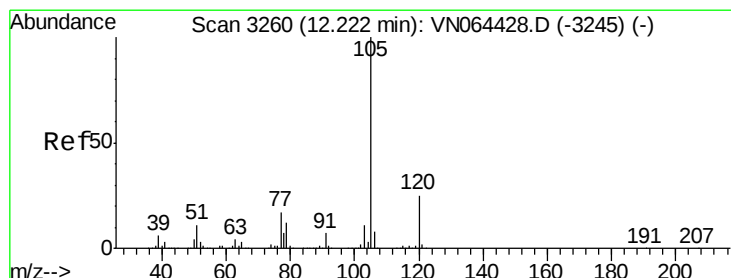
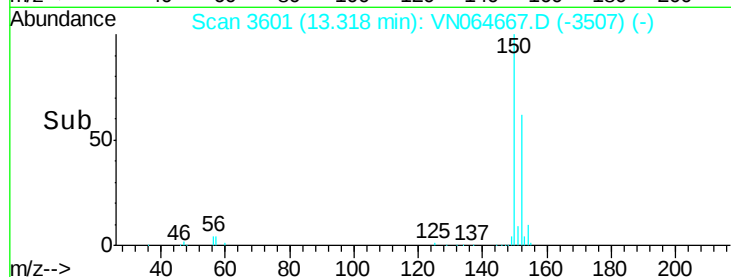
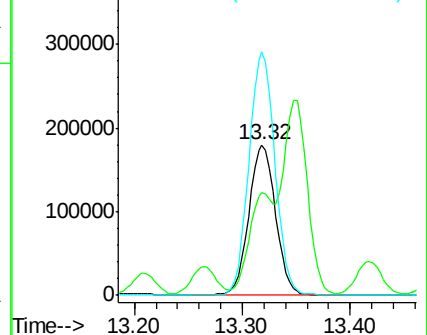
11/17/2020 7:02:20 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 112.079 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064667.D

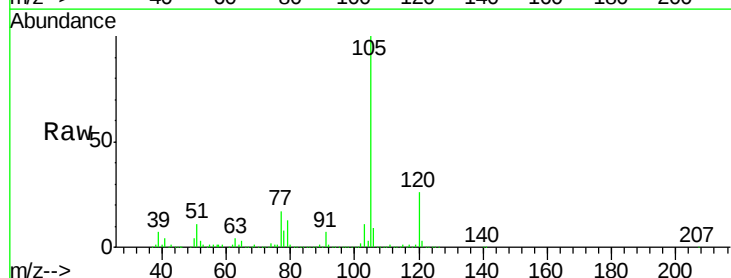
Acq: 16 Nov 2020 18:01

Tgt Ion:105 Resp: 2750537

Ion Ratio Lower Upper

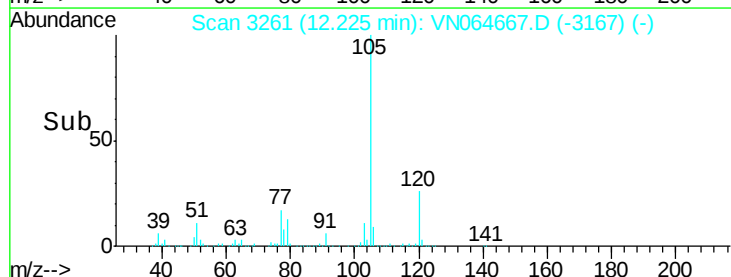
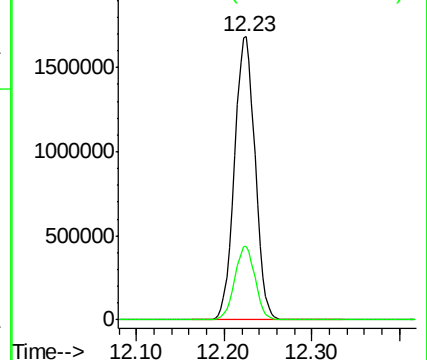
105 100

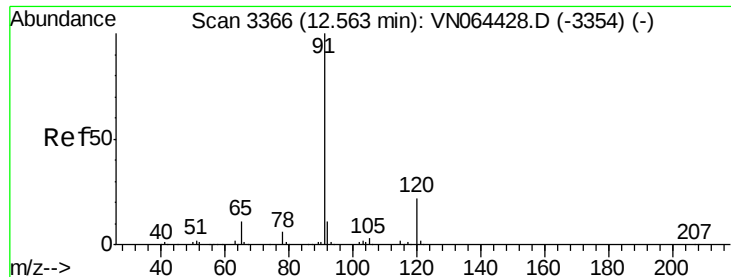
120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 191.896 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064667.D

Acq: 16 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion: 91 Resp: 5368980

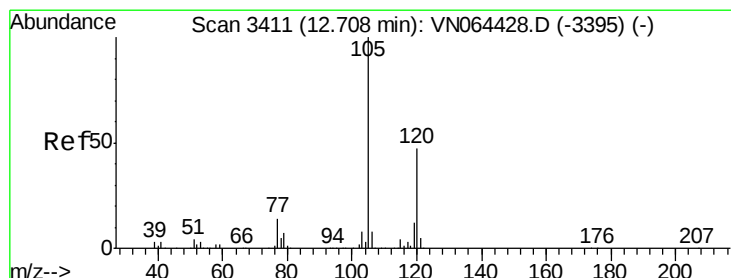
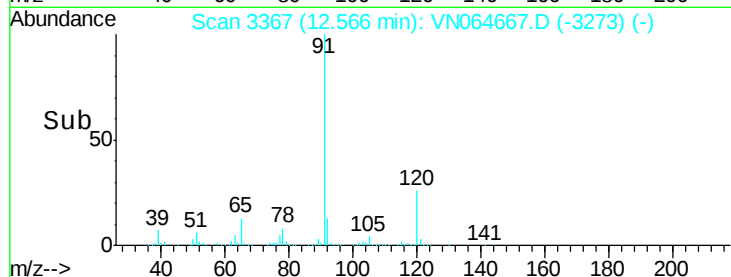
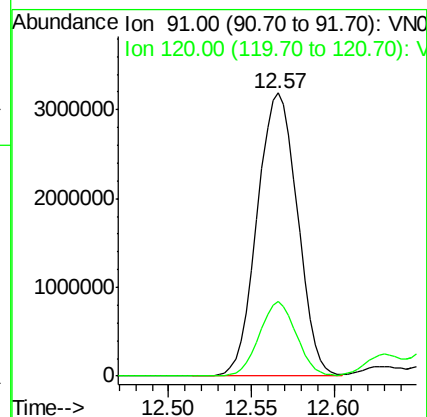
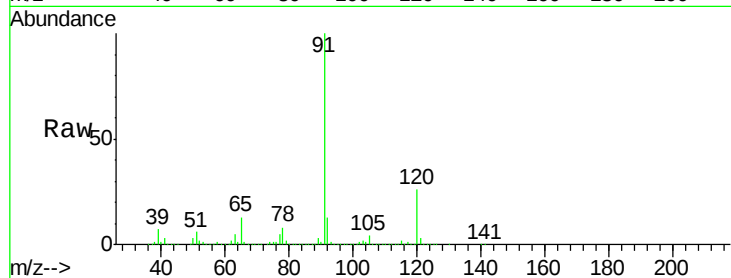
Ion Ratio Lower Upper

91 100

120 24.2 11.0 33.0

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#80

1,3,5-Trimethylbenzene

Concen: 74.156 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064667.D

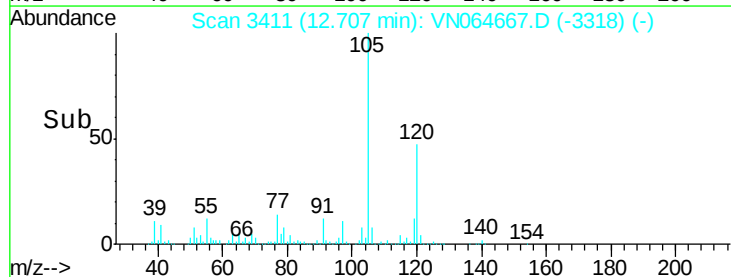
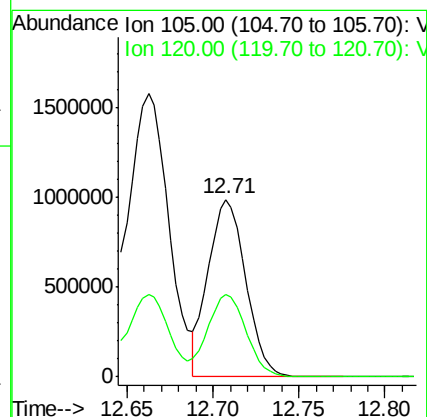
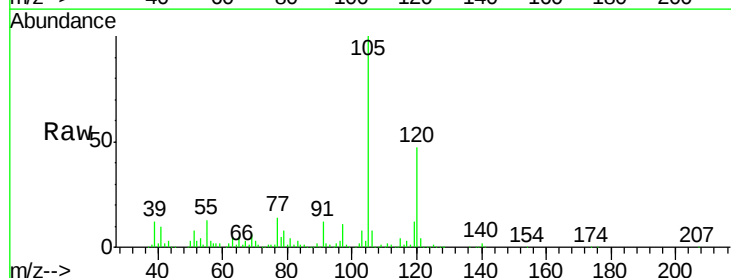
Acq: 16 Nov 2020 18:01

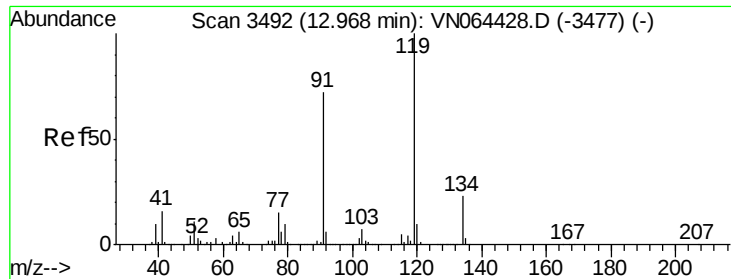
Tgt Ion: 105 Resp: 1501340

Ion Ratio Lower Upper

105 100

120 48.2 23.4 70.2





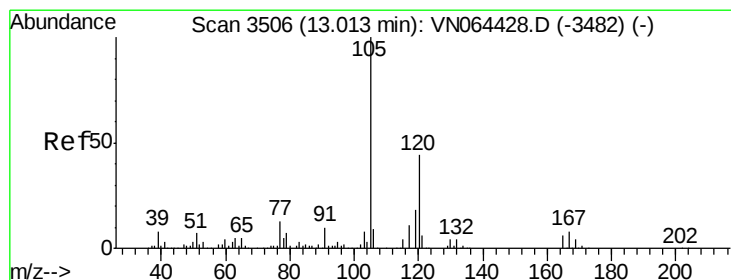
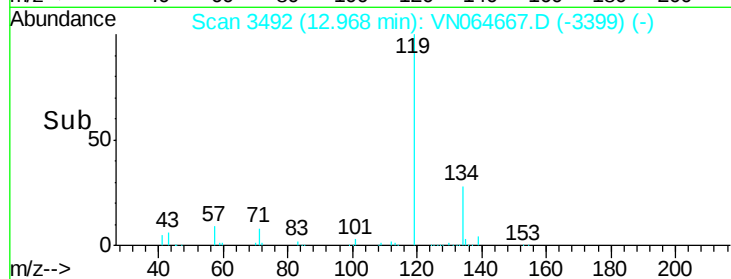
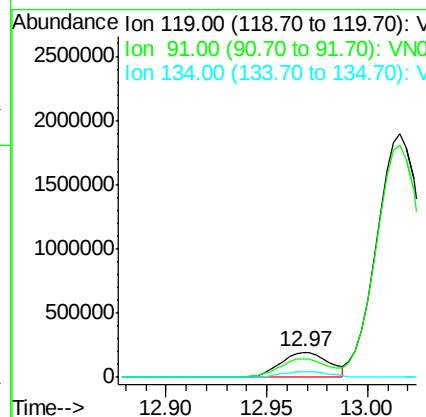
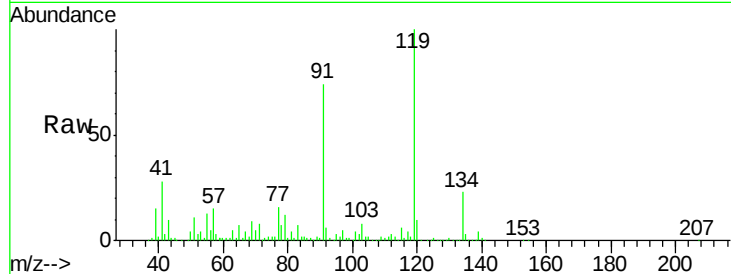
#83
tert-Butylbenzene
Concen: 20.559 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064667.D
Acq: 16 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.1	36.1	108.3
134	23.7	11.7	35.1

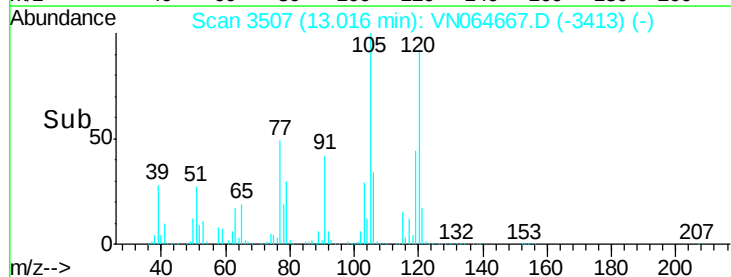
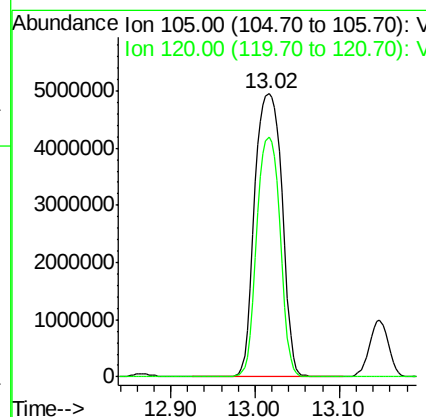
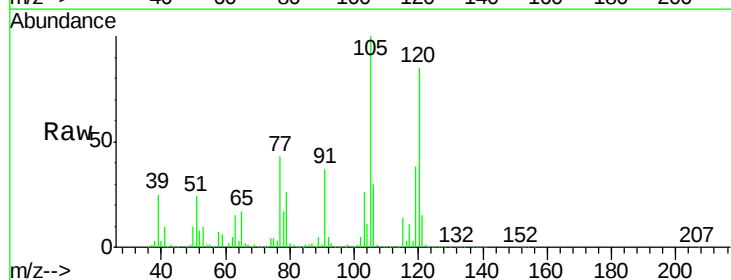
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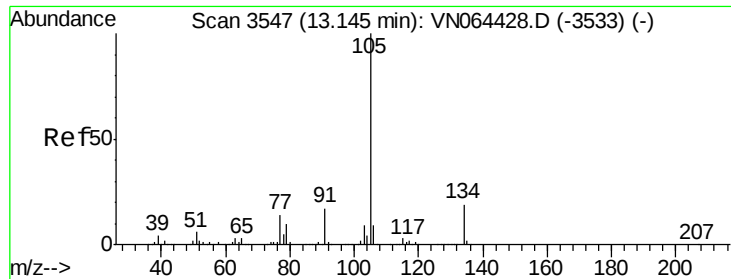
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#84
1,2,4-Trimethylbenzene
Concen: 552.711 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064667.D
Acq: 16 Nov 2020 18:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	72.3	21.9	65.7#





#85

sec-Butylbenzene

Concen: 77.155 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064667.D

Acq: 16 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion:105 Resp: 1545072

Ion Ratio Lower Upper

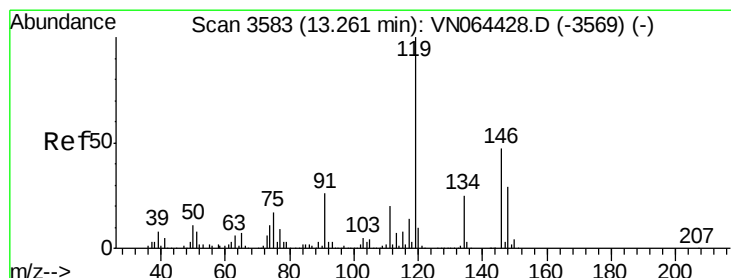
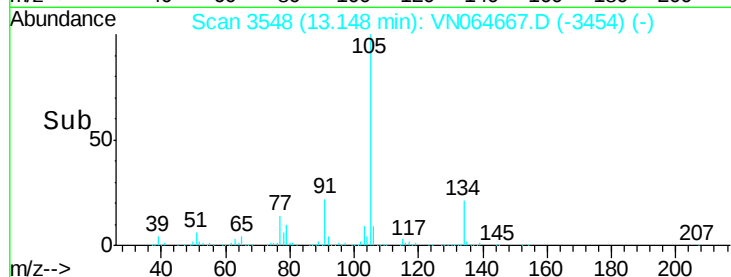
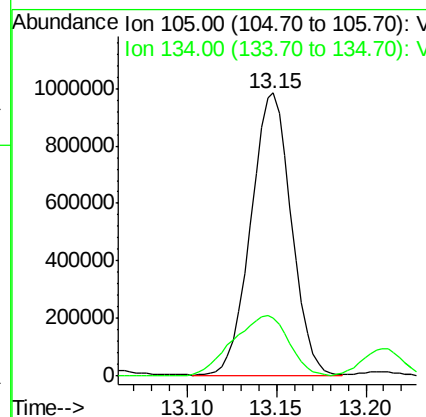
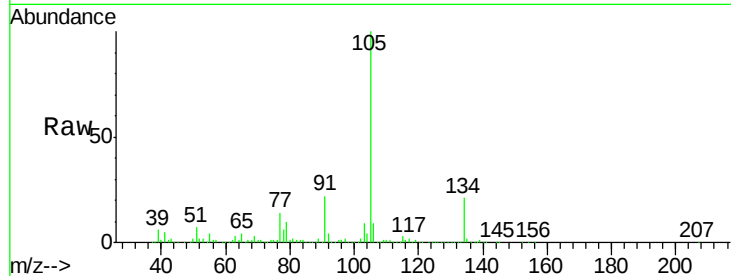
105 100

134 30.0 9.4 28.2#

Manual Integrations
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11/17/2020 7:02:20 PM



#86

p-Isopropyltoluene

Concen: 35.608 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064667.D

Acq: 16 Nov 2020 18:01

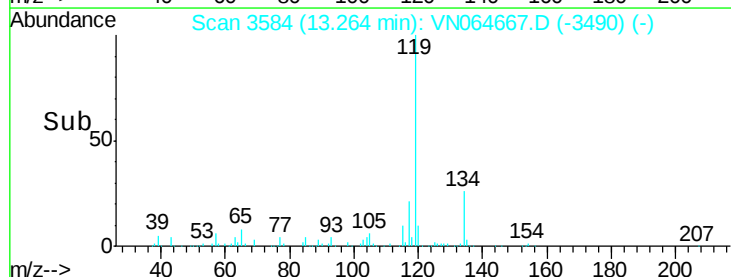
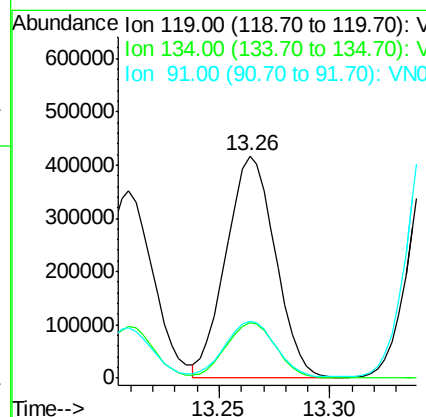
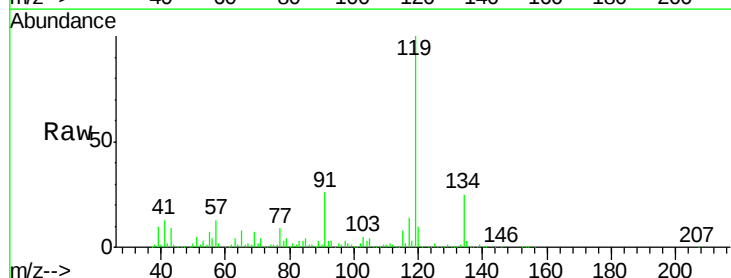
Tgt Ion:119 Resp: 641388

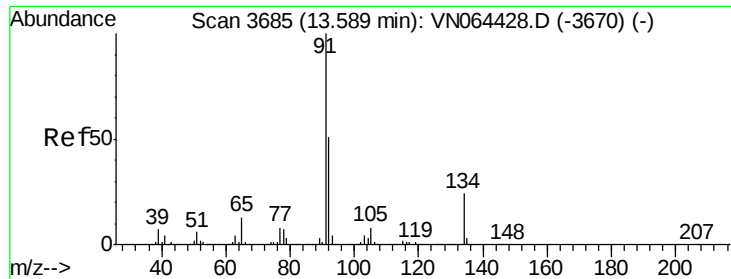
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.6

91 25.9 12.8 38.3





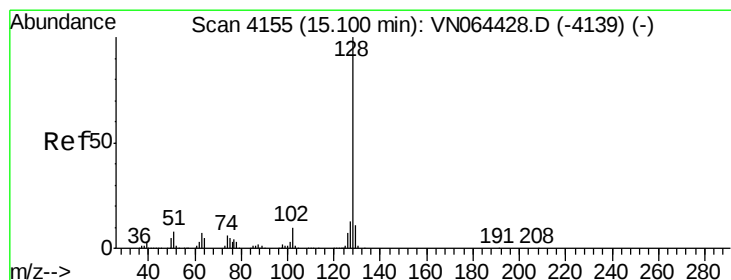
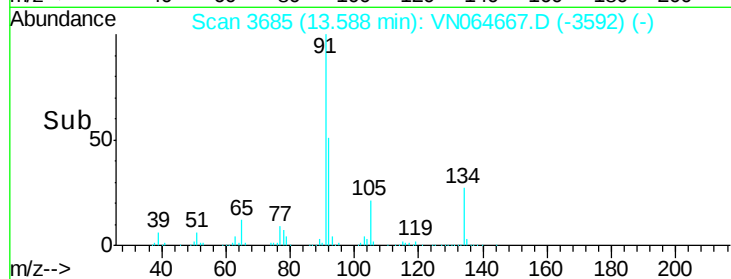
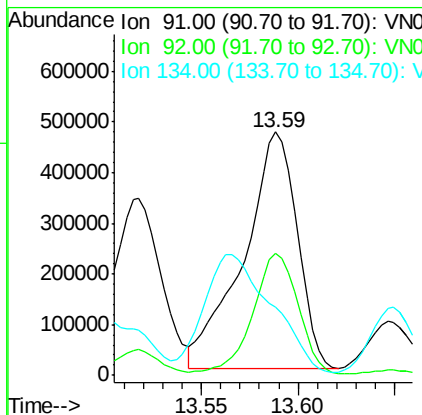
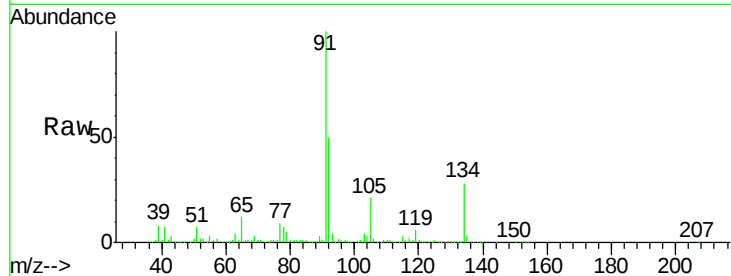
#89
n-Butylbenzene
Concen: 58.401 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064667.D
Acq: 16 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tot Ion	Ratio	Lower	Upper
91	100		
92	43.4	25.3	75.9
134	0.0	11.8	35.4#

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#95
Naphthalene
Concen: 42.346 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064667.D
Acq: 16 Nov 2020 18:01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.6	8.8	13.2

