

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064145.D
 Acq On : 15 Oct 2020 15:55
 Operator : JC/MD
 Sample : L4381-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

Manual Integrations
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Quant Time: Oct 16 03:14:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	280901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	538680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	571066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	262690	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	223987	55.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.98%	
35) Dibromofluoromethane	7.55	113	185001	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.06	98	708965	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.38	95	268771	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.74	59	4434m	10.010	ug/l	
16) Acetone	3.78	43	186845	157.456	ug/l	100
25) 2-Butanone	6.79	43	41233	22.591	ug/l	98
40) Benzene	8.00	78	169675	10.791	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	101804	22.500	ug/l	95
52) Toluene	10.13	92	1243215	128.682	ug/l	99
67) Ethyl Benzene	11.49	91	303116	15.047	ug/l	100
68) m/p-Xylenes	11.59	106	483088	59.088	ug/l	97
69) o-Xylene	11.92	106	271905	34.716	ug/l	99
73) Isopropylbenzene	12.23	105	28162	1.480	ug/l	96
78) n-propylbenzene	12.57	91	74745	3.519	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	121726	7.970	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	592967	37.296	ug/l	100
85) sec-Butylbenzene	13.15	105	17708m	1.091	ug/l	
86) p-Isopropyltoluene	13.26	119	11751	1.417	ug/l	96
89) n-Butylbenzene	13.59	91	15369	1.299	ug/l #	62
95) Naphthalene	15.10	128	250216	21.780	ug/l	98

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

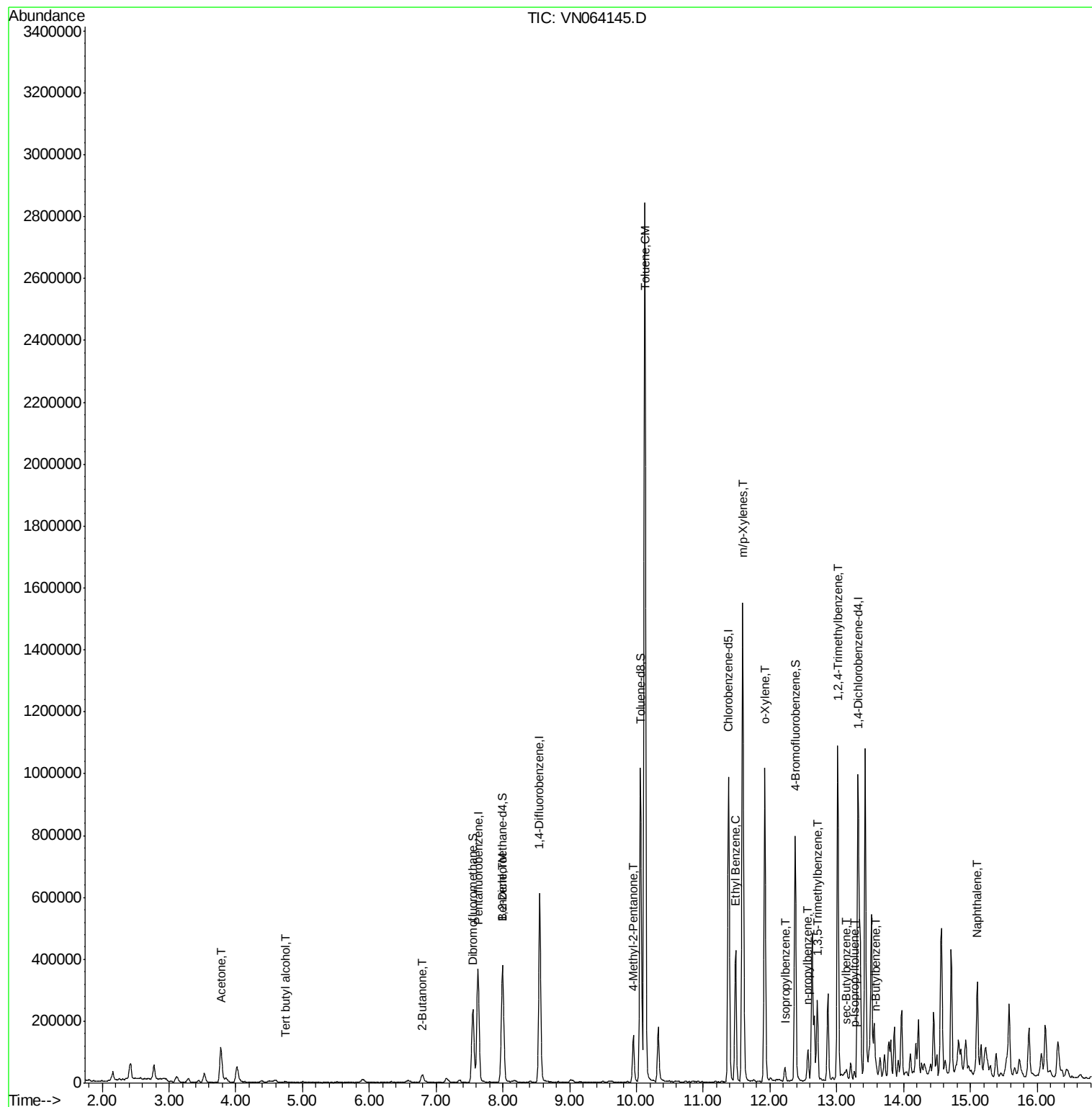
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101520\
Data File : VN064145.D
Acq On : 15 Oct 2020 15:55
Operator : JC/MD
Sample : L4381-13
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

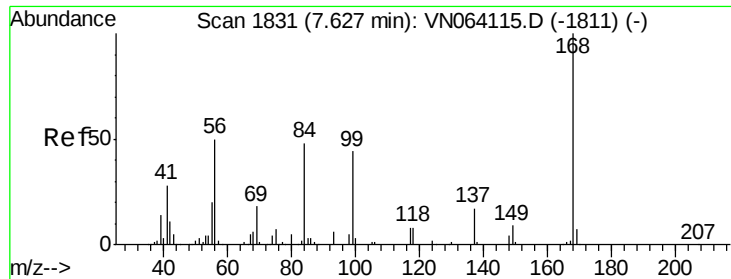
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

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Quant Time: Oct 16 03:14:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 15 01:16:44 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: VN064145.D

Acq: 15 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP

Tot Ion:168 Resp: 280901

Ion Ratio Lower Upper

168 100

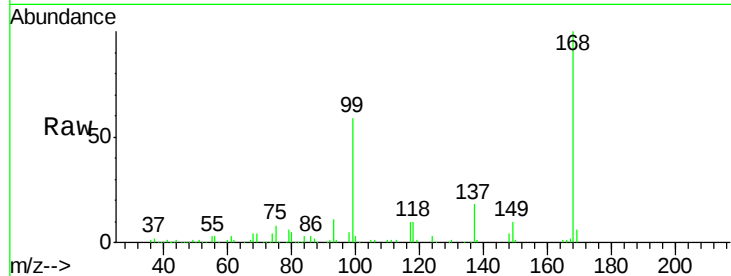
99 59.3 43.6 65.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

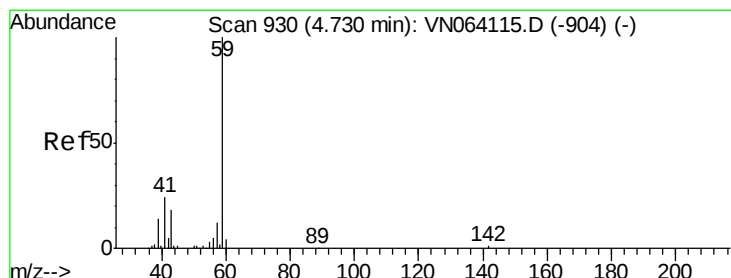
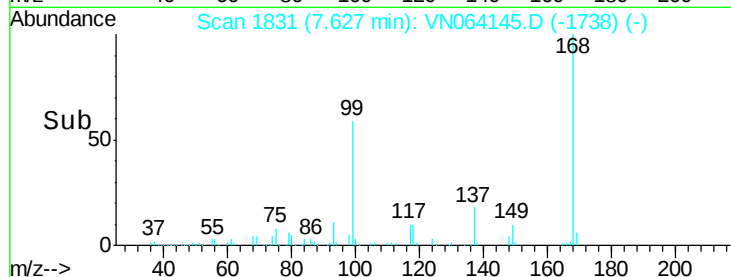
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 10.010 ug/l m

RT: 4.74 min Scan# 934

Delta R.T. 0.01 min

Lab File: VN064145.D

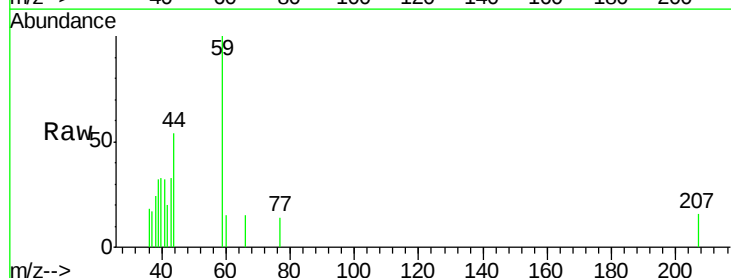
Acq: 15 Oct 2020 15:55

Tgt Ion: 59 Resp: 4434

Ion Ratio Lower Upper

59 100

57 6.4 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

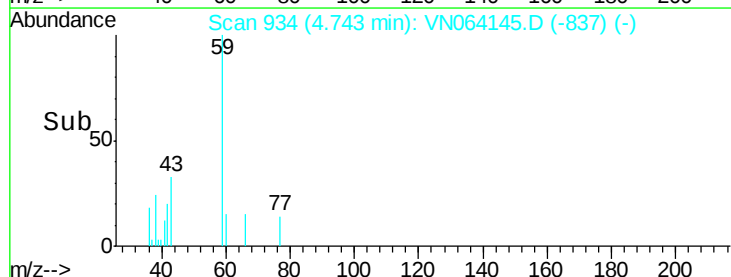
4.74

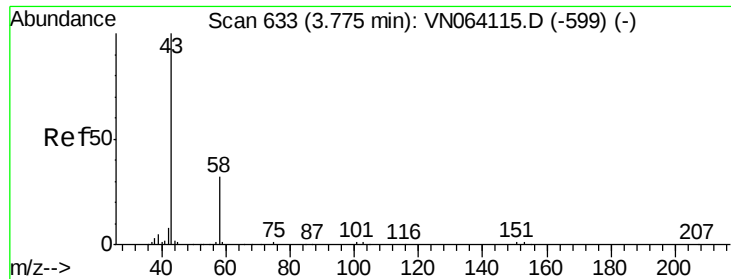
1000

500

0

Time--> 4.65 4.70 4.75 4.80





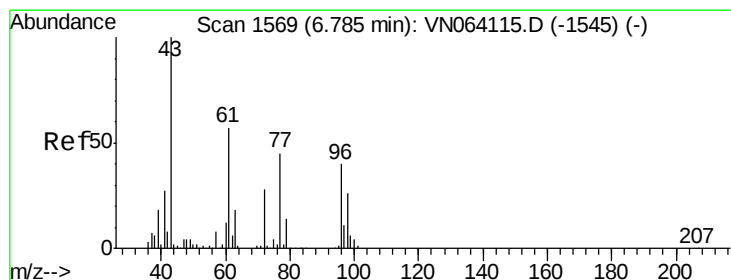
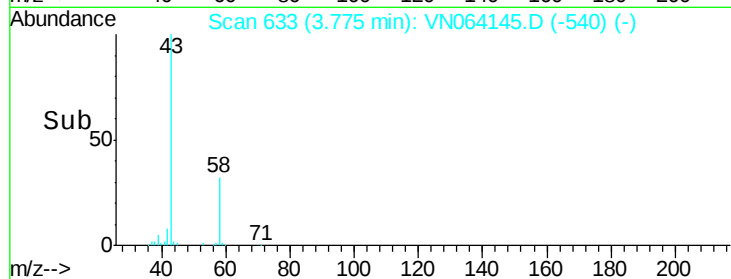
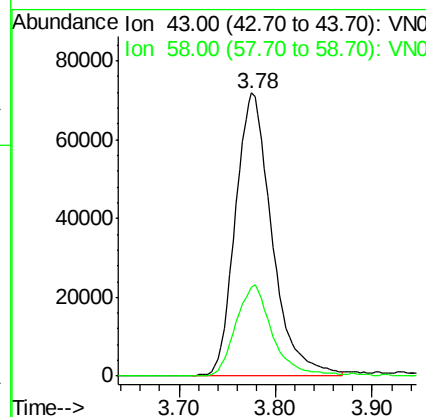
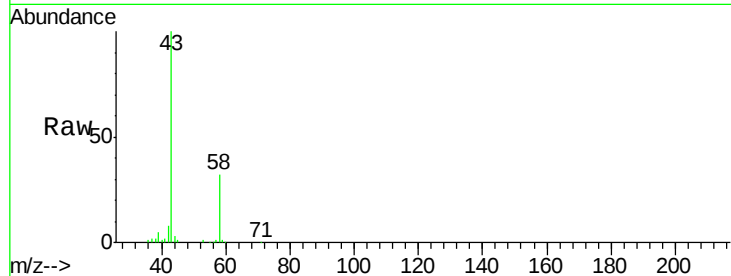
#16
Acetone
Concen: 157.456 ug/l
RT: 3.78 min Scan# 633
Delta R.T. 0.00 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

Tot Ion	43	Resp	186845
Ion Ratio	43	100	Lower Upper
	58	31.6	25.2 37.8

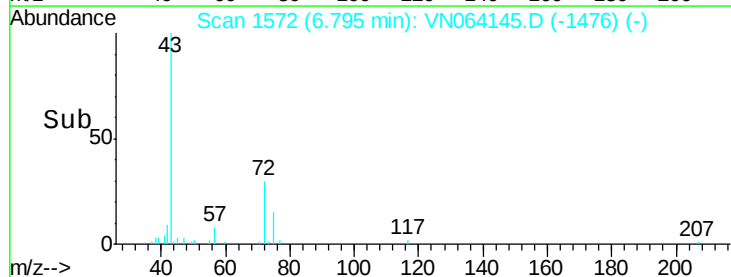
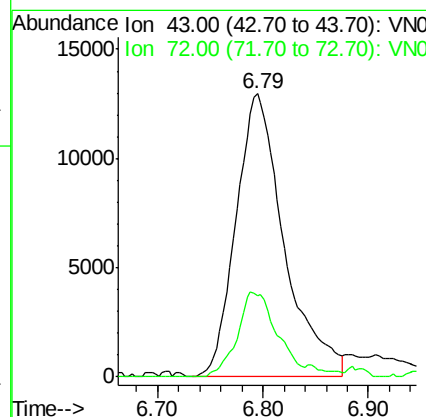
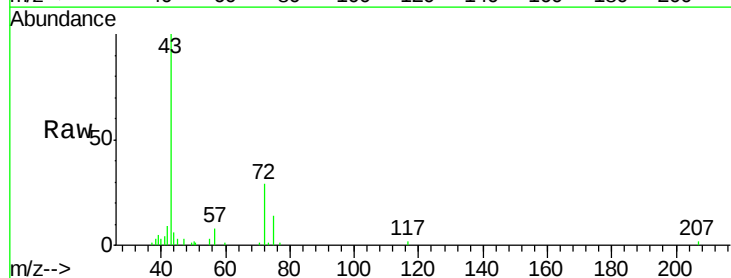
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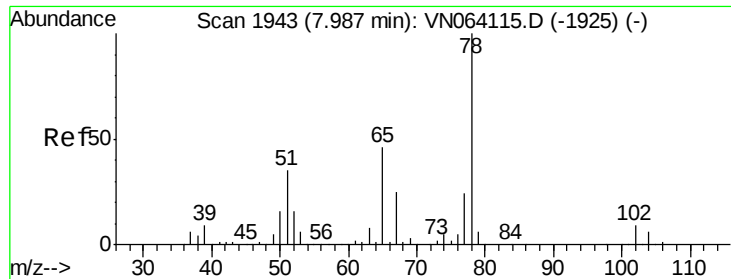
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#25
2-Butanone
Concen: 22.591 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Tgt Ion	43	Resp	41233
Ion Ratio	43	100	Lower Upper
	72	28.9	22.2 33.2





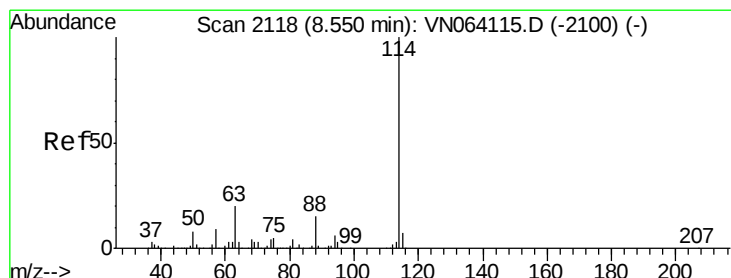
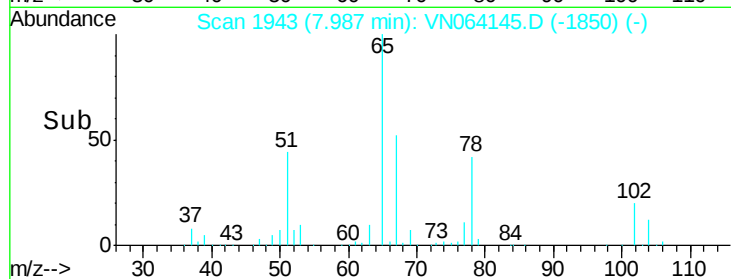
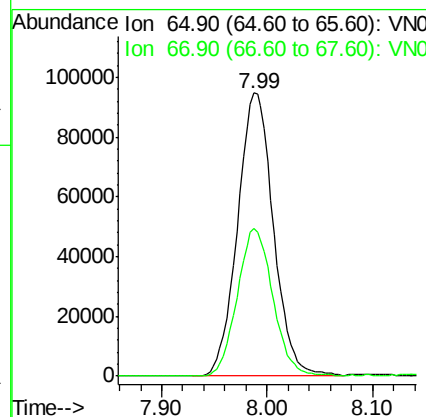
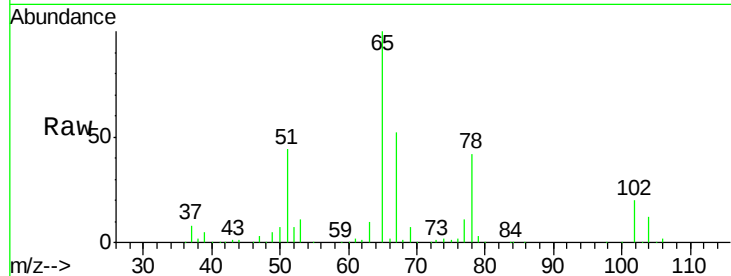
#33
 1,2-Dichloroethane-d4
 Concen: 55.988 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064145.D
 Acq: 15 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	105.6	

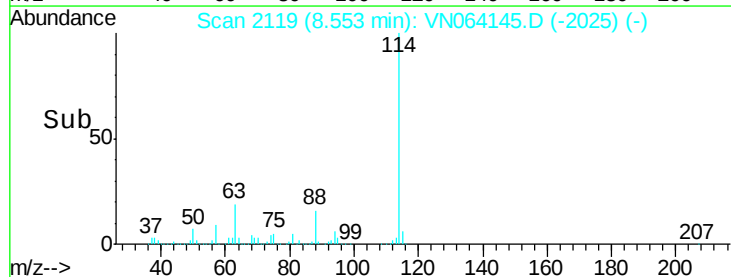
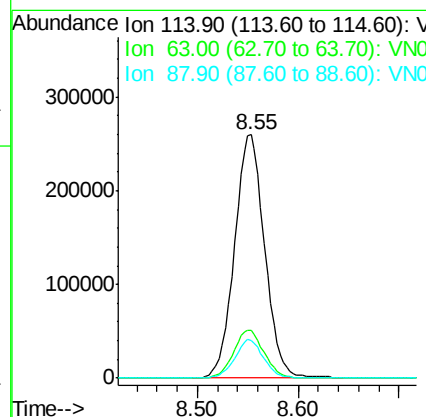
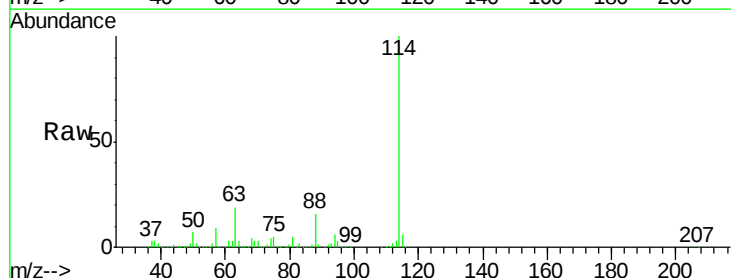
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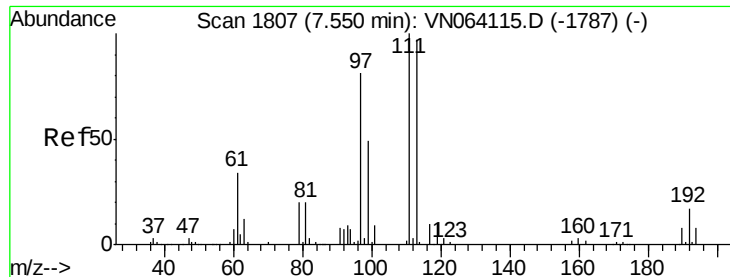
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064145.D
 Acq: 15 Oct 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	41.0	
88	15.7	0.0	29.2	





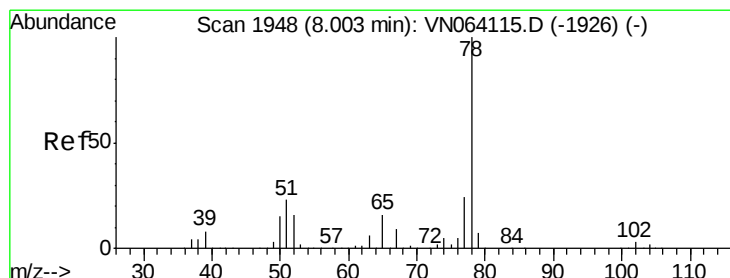
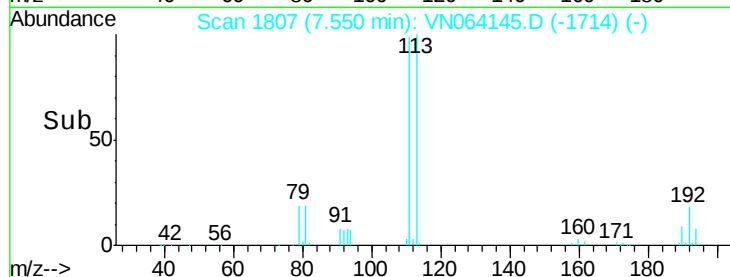
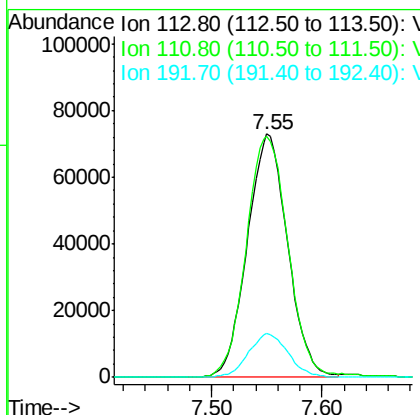
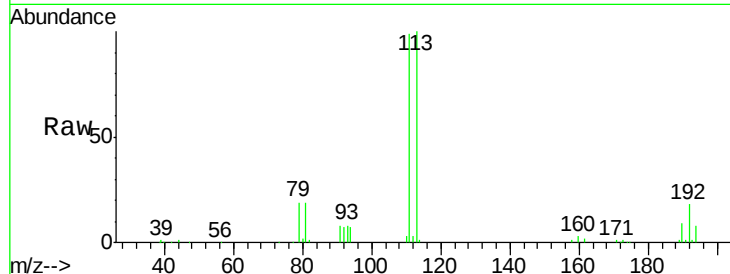
#35
Dibromofluoromethane
Concen: 49.618 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185001		
111	102.7	81.9	122.9	
192	17.7	14.3	21.5	

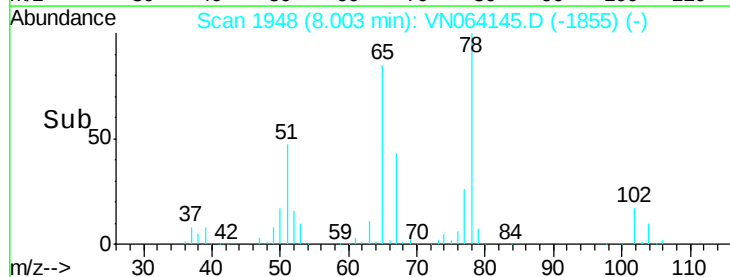
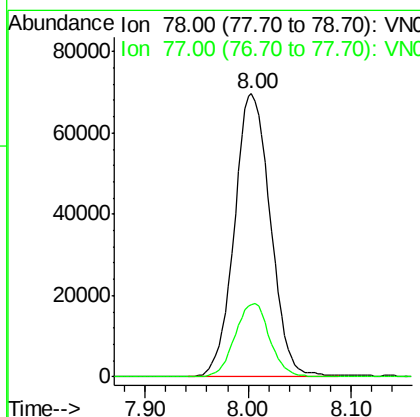
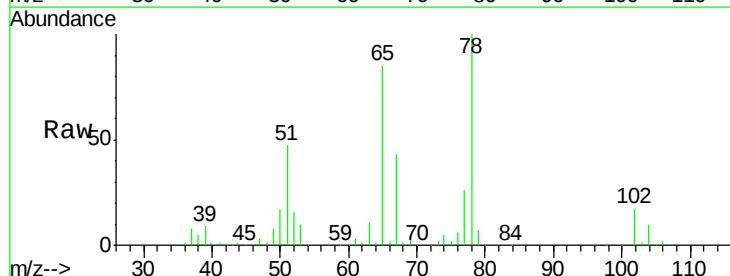
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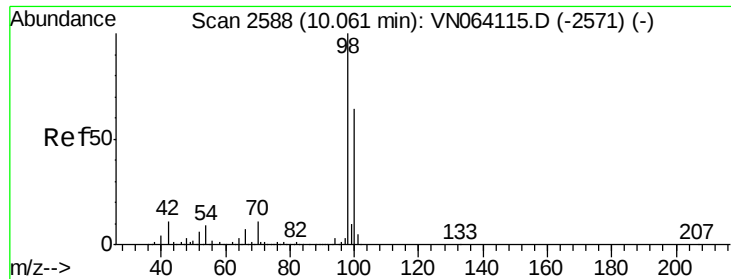
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#40
Benzene
Concen: 10.791 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	169675		
77	25.7	19.3	28.9	





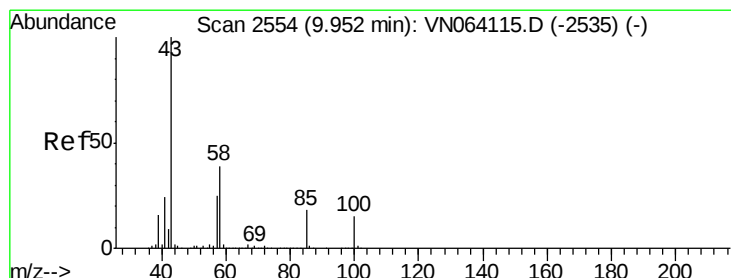
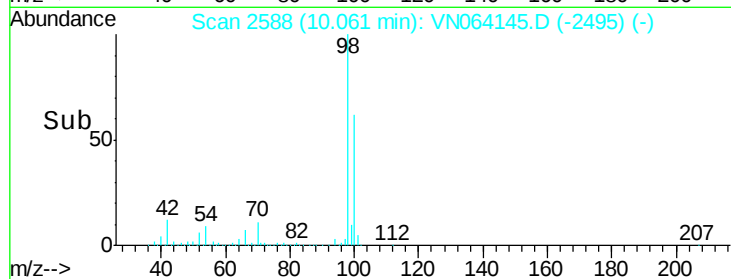
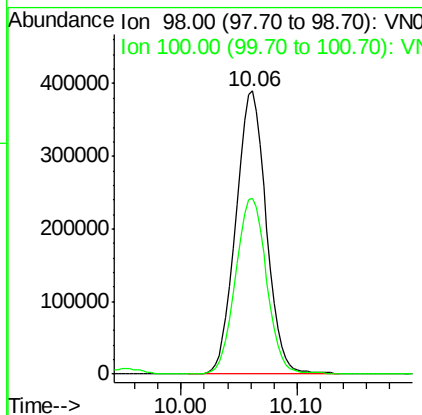
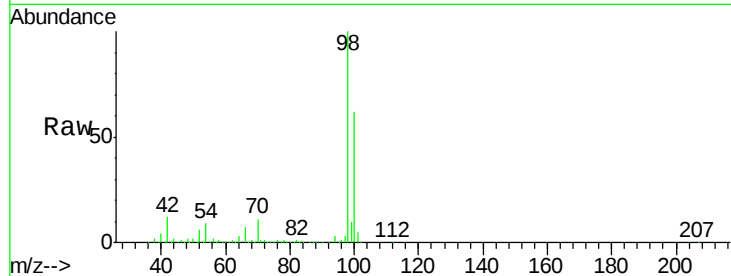
#50
Toluene-d8
Concen: 50.395 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

Tot Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.8	76.2

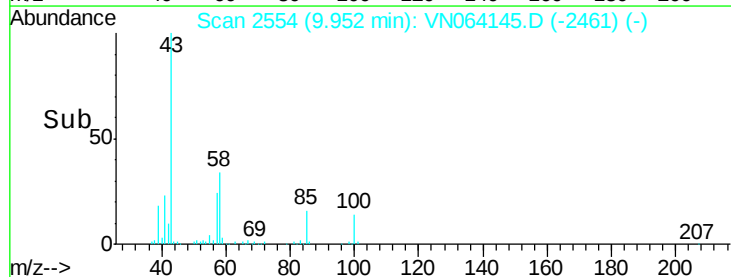
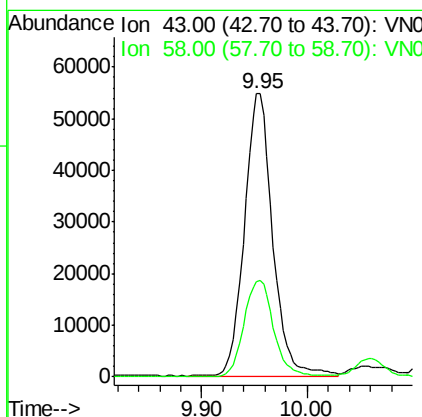
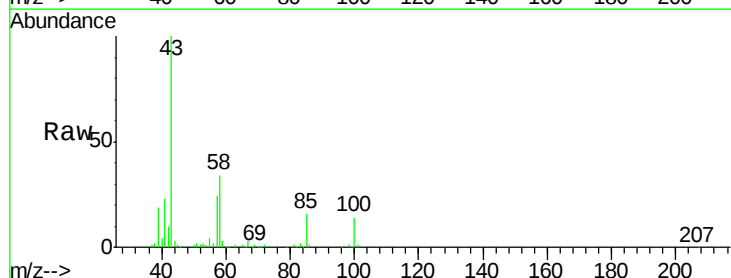
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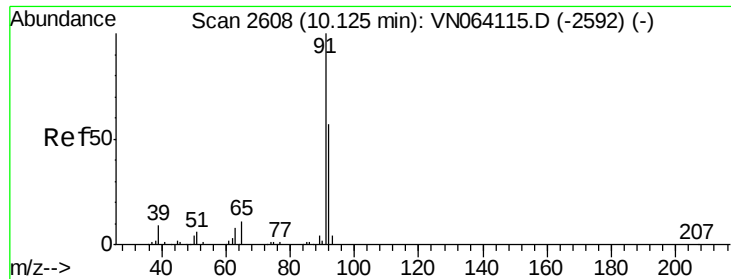
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#51
4-Methyl-2-Pentanone
Concen: 22.500 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.0	31.2	46.8





#52

Toluene

Concen: 128.682 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064145.D

Acq: 15 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP

Tot Ion: 92 Resp: 1243215

Ion Ratio Lower Upper

92 100

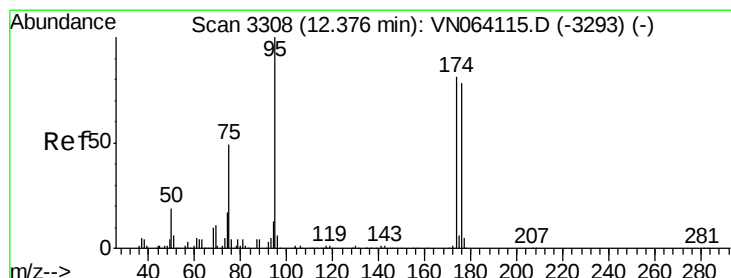
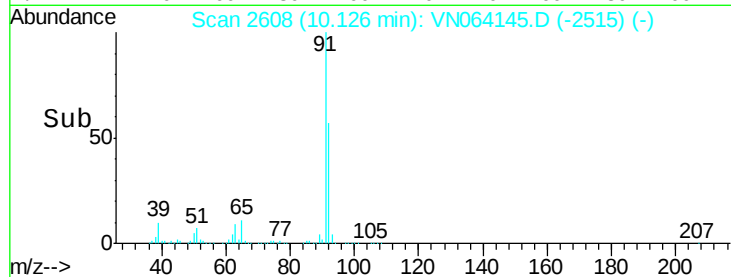
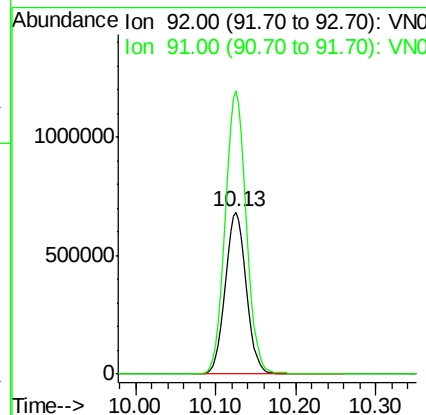
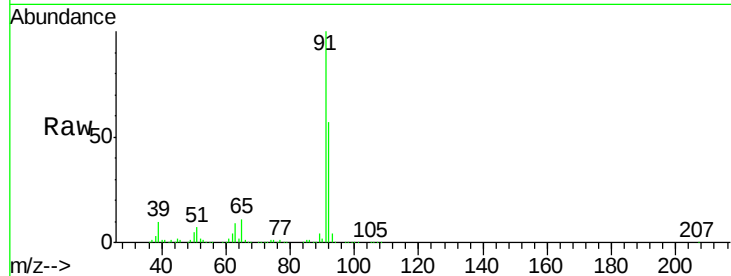
91 175.5 141.2 211.8

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#62

4-Bromofluorobenzene

Concen: 55.582 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064145.D

Acq: 15 Oct 2020 15:55

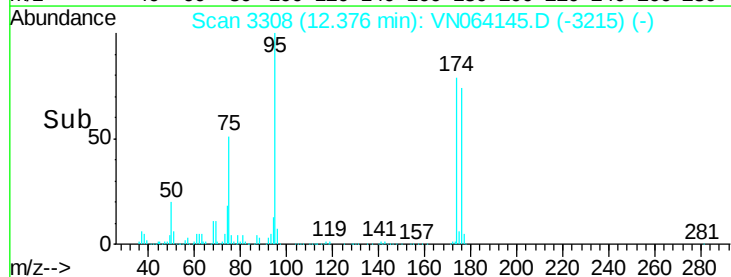
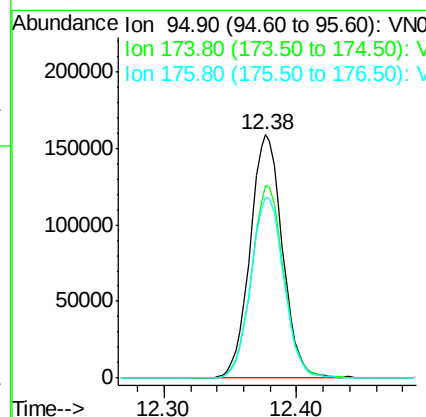
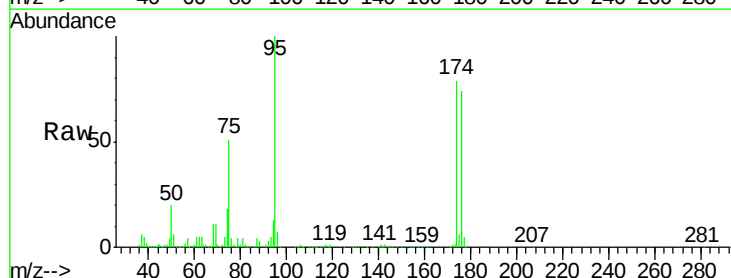
Tgt Ion: 95 Resp: 268771

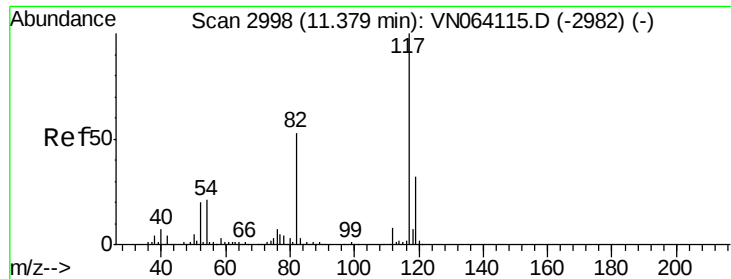
Ion Ratio Lower Upper

95 100

174 79.4 0.0 164.8

176 75.9 0.0 157.8





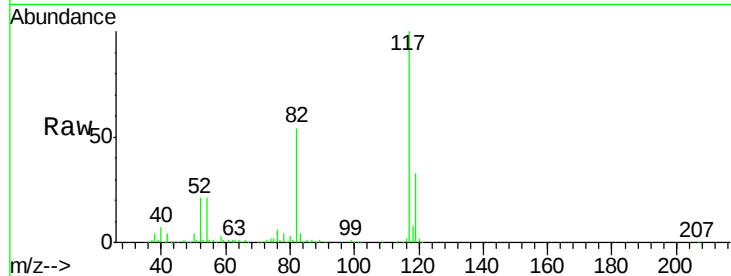
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

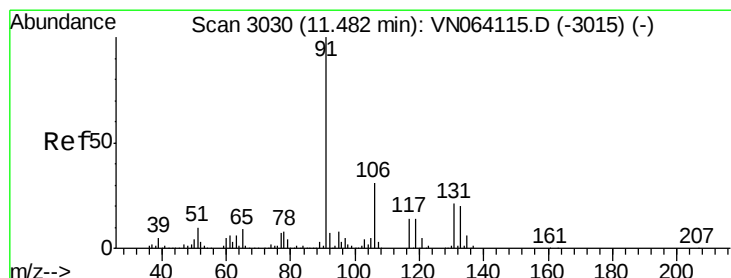
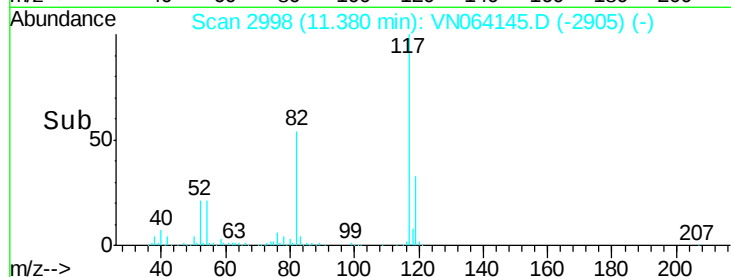
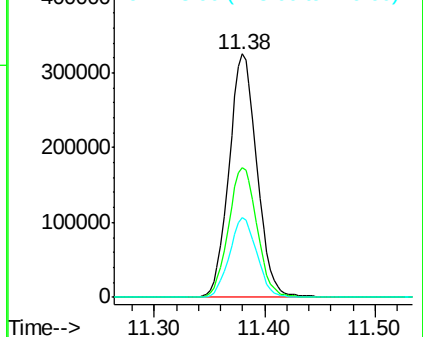
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.6	63.8
119	32.5	25.5	38.3

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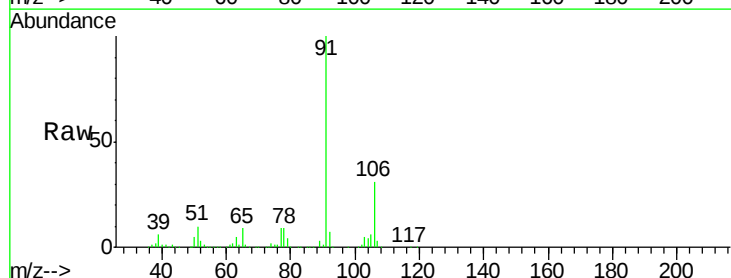


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

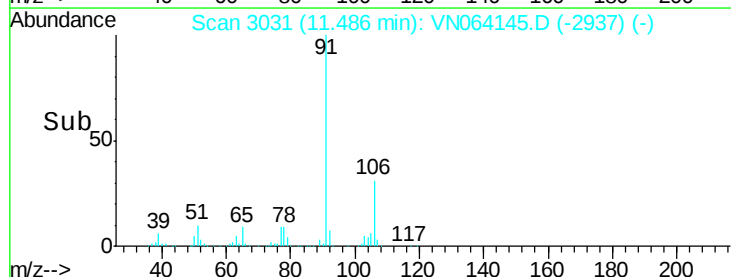
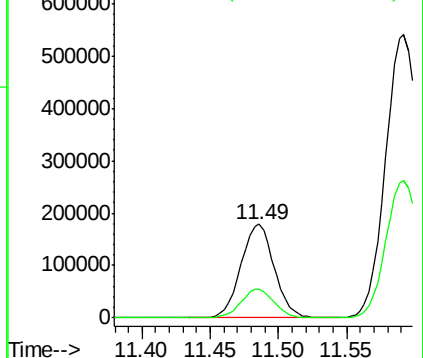


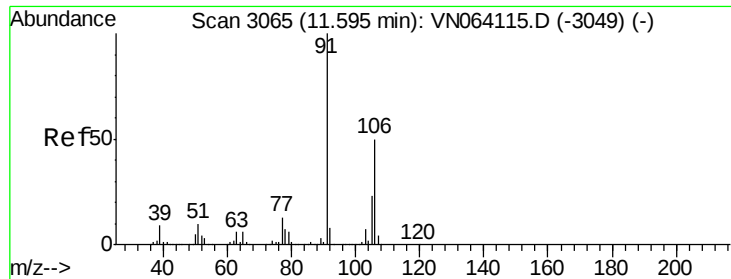
#67
Ethyl Benzene
Concen: 15.047 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.7	37.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





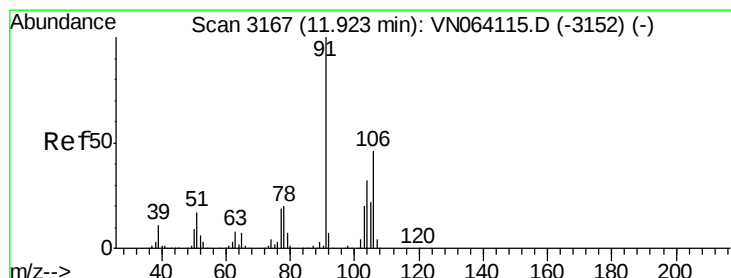
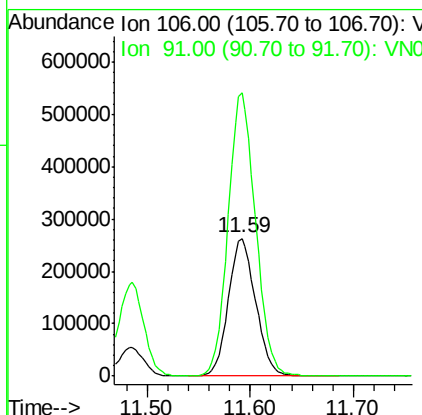
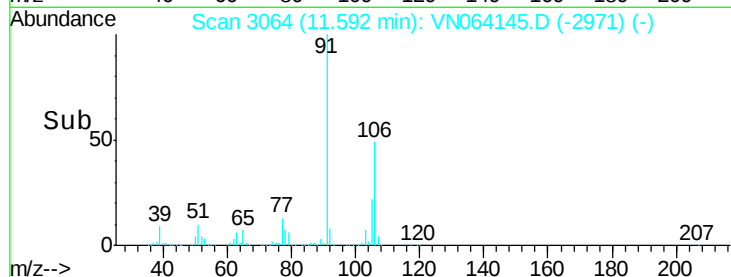
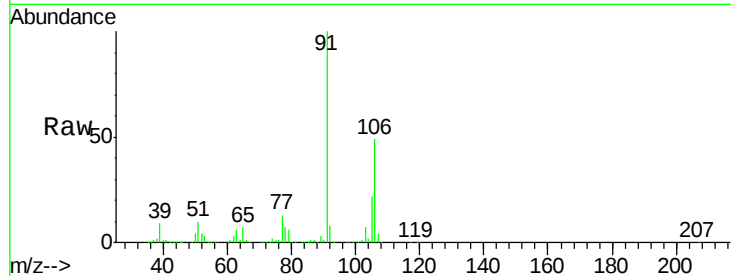
#68
m/p-Xylenes
Concen: 59.088 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

Tot Ion:106 Resp: 483088
Ion Ratio Lower Upper
106 100
91 206.6 162.1 243.1

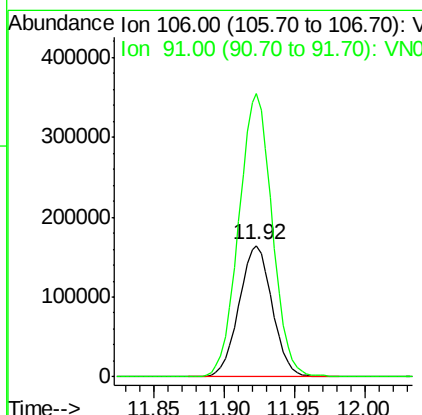
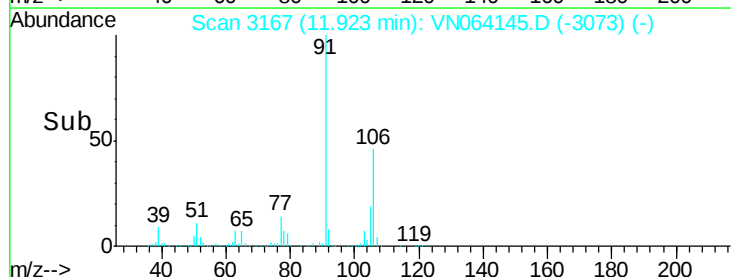
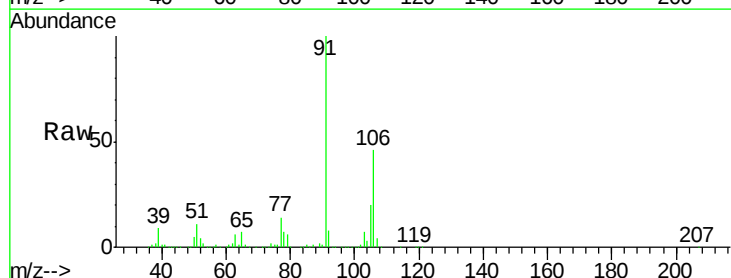
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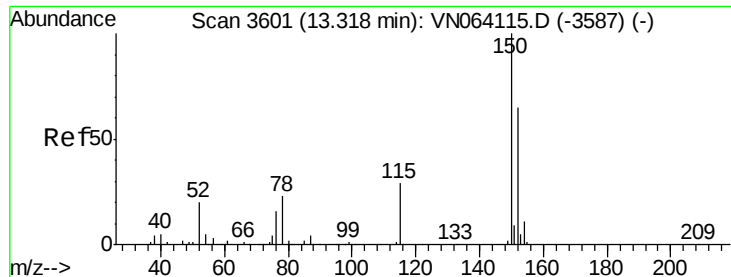
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#69
o-Xylene
Concen: 34.716 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Tgt Ion:106 Resp: 271905
Ion Ratio Lower Upper
106 100
91 216.8 107.6 322.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064145.D

Acq: 15 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP

Tot Ion:152 Resp: 262690

Ion Ratio Lower Upper

152 100

115 64.3 29.3 87.8

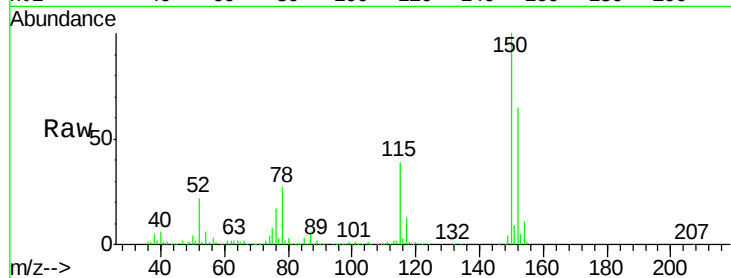
150 155.6 0.0 346.0

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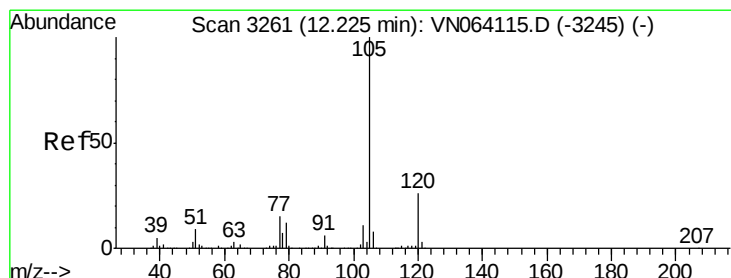
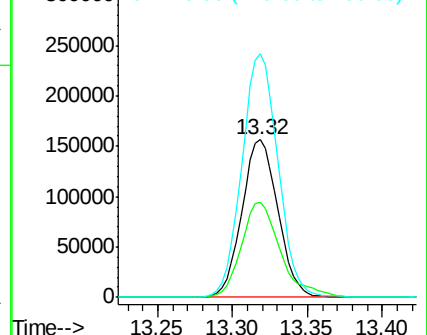
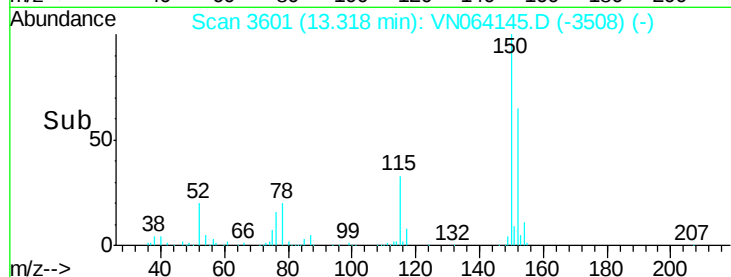
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.480 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064145.D

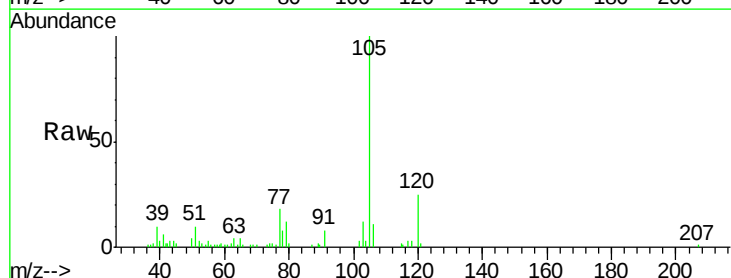
Acq: 15 Oct 2020 15:55

Tgt Ion:105 Resp: 28162

Ion Ratio Lower Upper

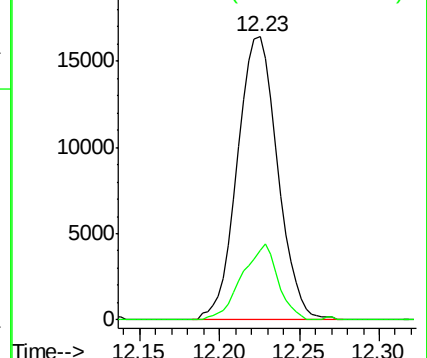
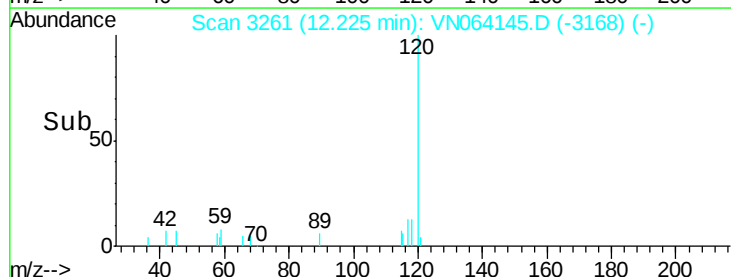
105 100

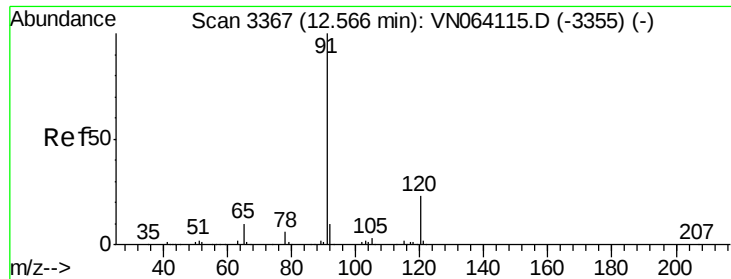
120 24.1 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.519 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064145.D

Acq: 15 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP

Tot Ion: 91 Resp: 74745

Ion Ratio Lower Upper

91 100

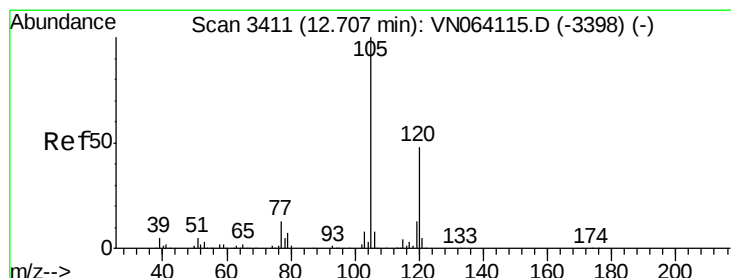
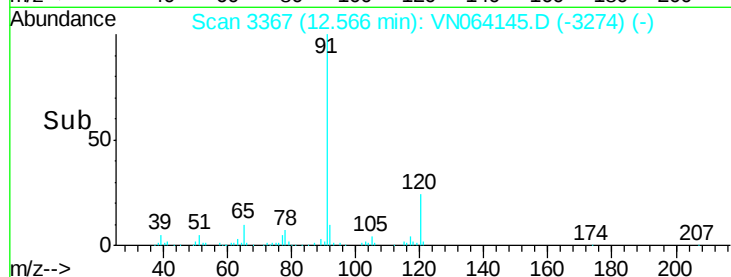
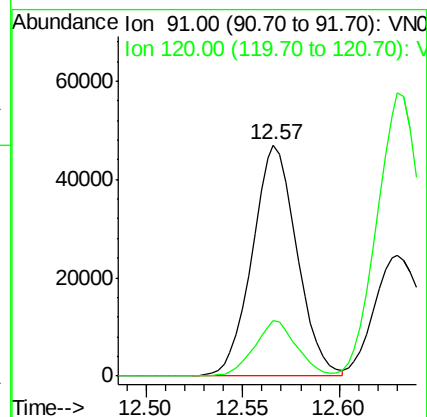
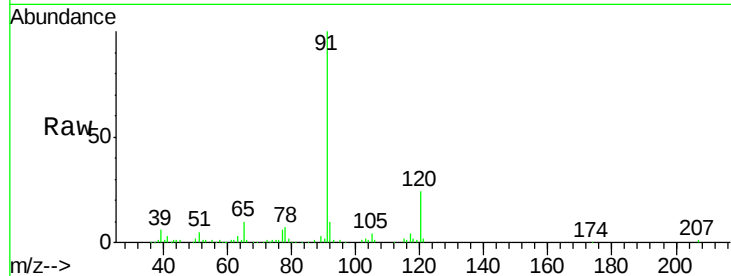
120 23.0 11.5 34.5

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#80

1,3,5-Trimethylbenzene

Concen: 7.970 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064145.D

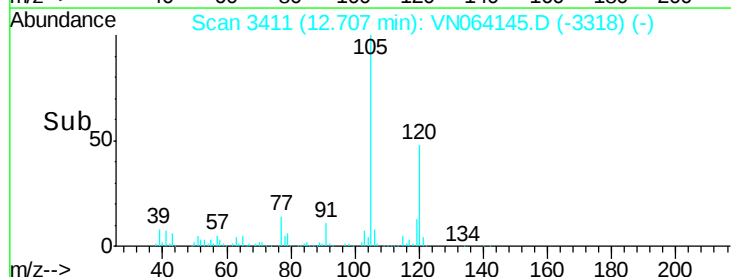
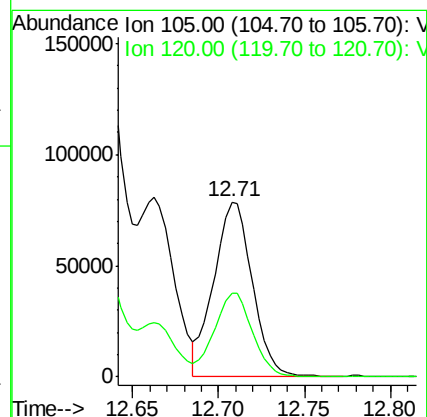
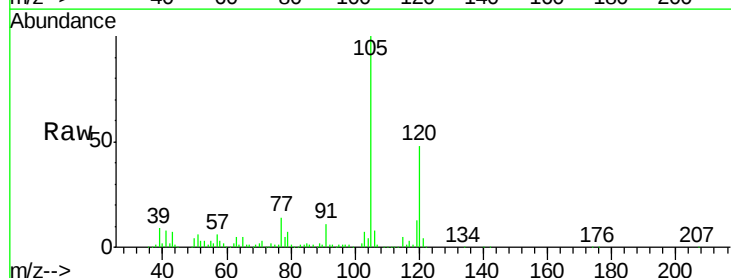
Acq: 15 Oct 2020 15:55

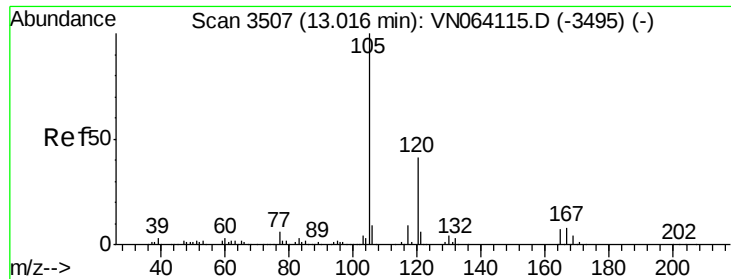
Tgt Ion: 105 Resp: 121726

Ion Ratio Lower Upper

105 100

120 47.8 24.0 72.0





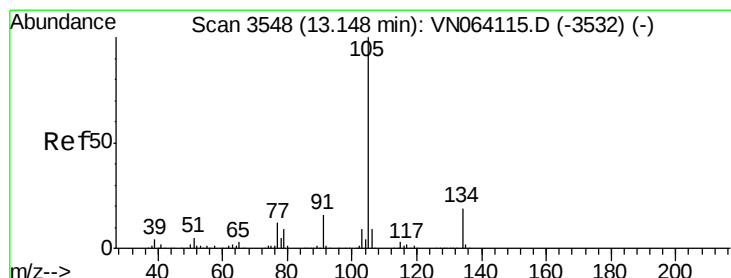
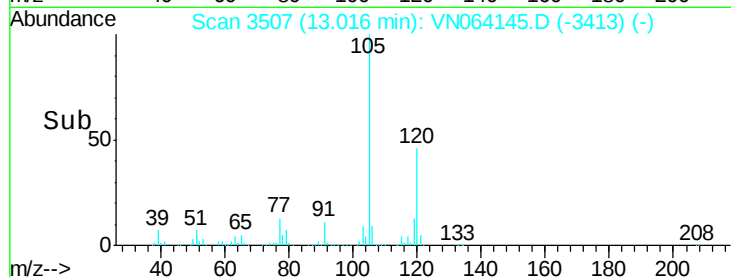
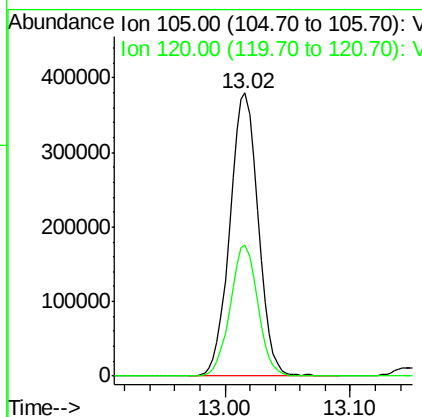
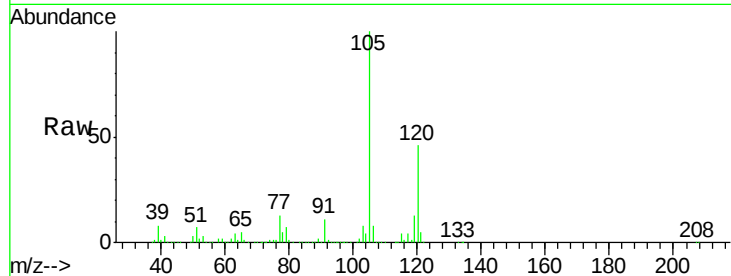
#84
 1,2,4-Trimethylbenzene
 Concen: 37.296 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064145.D
 Acq: 15 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.4

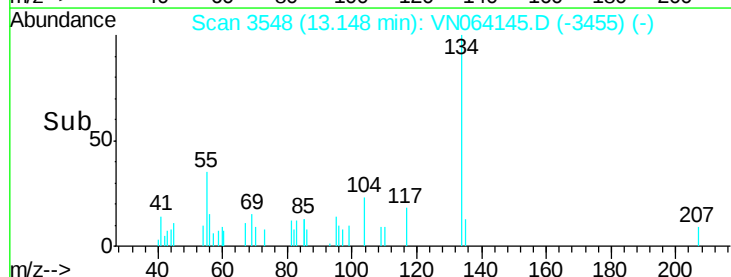
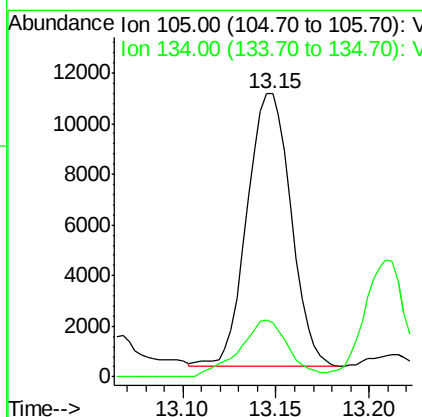
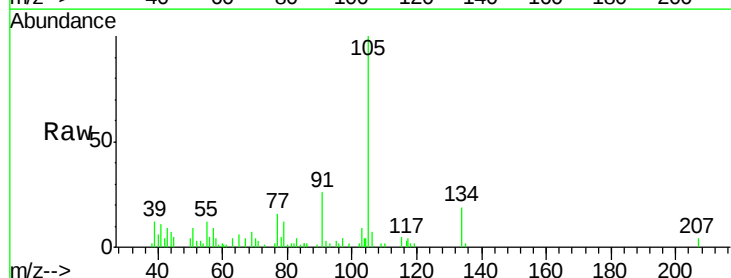
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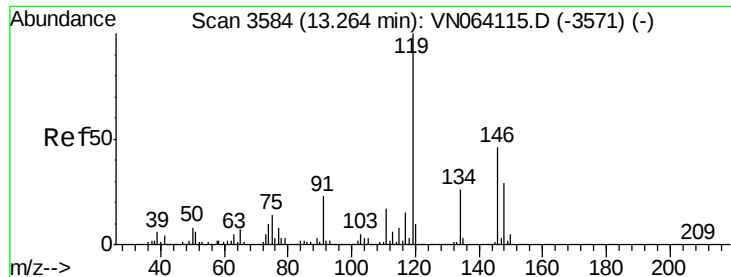
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#85
 sec-Butylbenzene
 Concen: 1.091 ug/l m
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064145.D
 Acq: 15 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
105	100		
134	2.9	9.7	29.1#





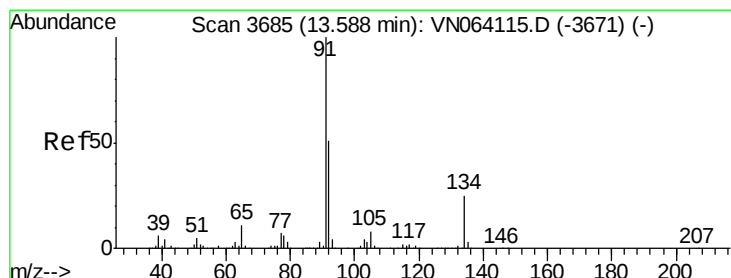
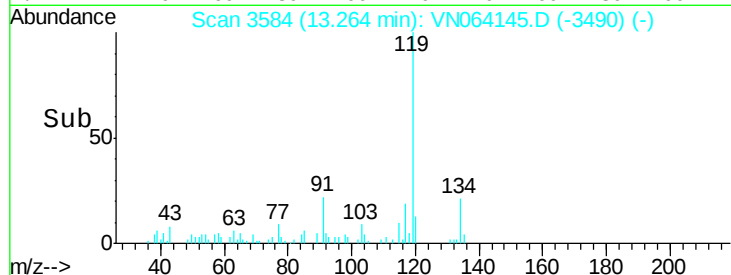
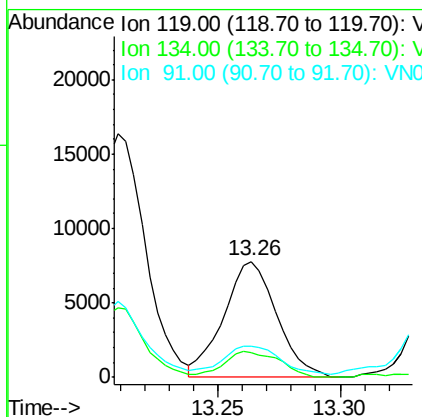
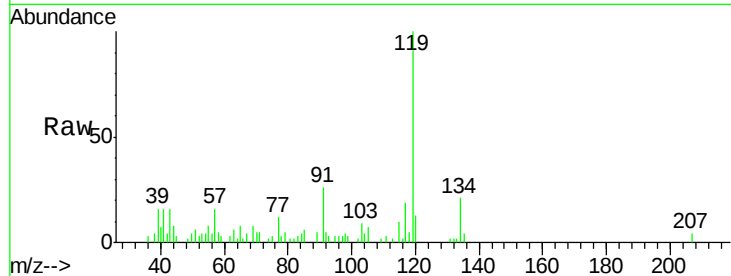
#86
 p-Isopropyltoluene
 Concen: 1.417 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064145.D
 Acq: 15 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

Tot Ion:	119	Resp:	11751
Ion Ratio	Lower	Upper	
119	100		
134	23.2	13.2	39.5
91	24.7	12.0	36.1

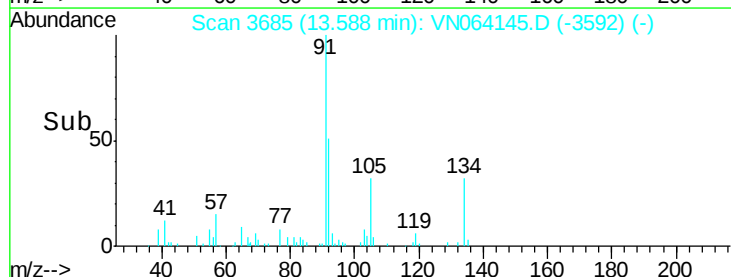
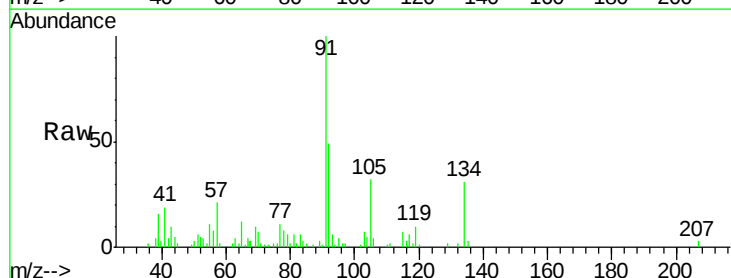
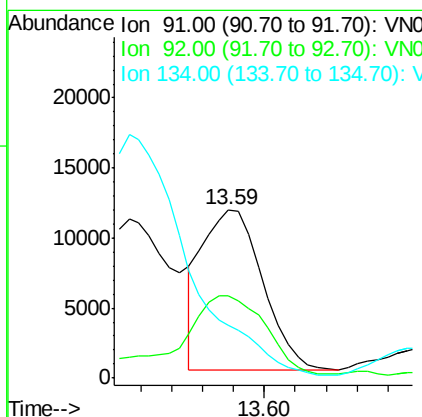
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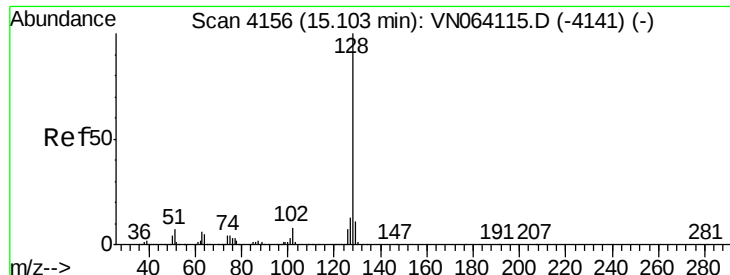
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#89
 n-Butylbenzene
 Concen: 1.299 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064145.D
 Acq: 15 Oct 2020 15:55

Tgt Ion:	91	Resp:	15369
Ion Ratio	Lower	Upper	
91	100		
92	72.9	25.6	76.6
134	0.0	12.6	37.8#





#95
Naphthalene
Concen: 21.780 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064145.D
Acq: 15 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.6	10.2	15.4
129	11.0	8.5	12.7

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