

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064895.D
 Acq On : 3 Dec 2020 13:09
 Operator : JC/MD
 Sample : L4918-01 20X
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20801

Manual Integrations
 APPROVED

SAM
 12/4/2020 5:43:31 PM

Quant Time: Dec 04 03:43:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	177337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	309450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	315646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	156027	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	103840	50.37	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.74%
35) Dibromofluoromethane	7.55	113	95234	51.43	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.86%
50) Toluene-d8	10.06	98	375874	49.68	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.36%
62) 4-Bromofluorobenzene	12.37	95	158232	58.44	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	116.88%

Target Compounds

					Qvalue
16) Acetone	3.78	43	806736	1190.358	ug/l 98
31) Cyclohexane	7.59	56	15089	5.251	ug/l # 46
39) Methylcyclohexane	9.04	83	8086	2.619	ug/l 98
52) Toluene	10.12	92	485889	89.765	ug/l 99
67) Ethyl Benzene	11.48	91	19905	1.758	ug/l 94
68) m/p-Xylenes	11.59	106	27332	6.375	ug/l 100
69) o-Xylene	11.92	106	11701	2.876	ug/l 95
73) Isopropylbenzene	12.22	105	5549	0.511	ug/l 100
78) n-propylbenzene	12.56	91	22842	1.848	ug/l 98
80) 1,3,5-Trimethylbenzene	12.70	105	27483	3.047	ug/l 97
84) 1,2,4-Trimethylbenzene	13.01	105	97316	10.670	ug/l 98
85) sec-Butylbenzene	13.14	105	9823	0.978	ug/l 81
86) p-Isopropyltoluene	13.26	119	7107m	0.778	ug/l
89) n-Butylbenzene	13.59	91	15562	1.939	ug/l # 67
95) Naphthalene	15.10	128	14097	1.490	ug/l 97

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

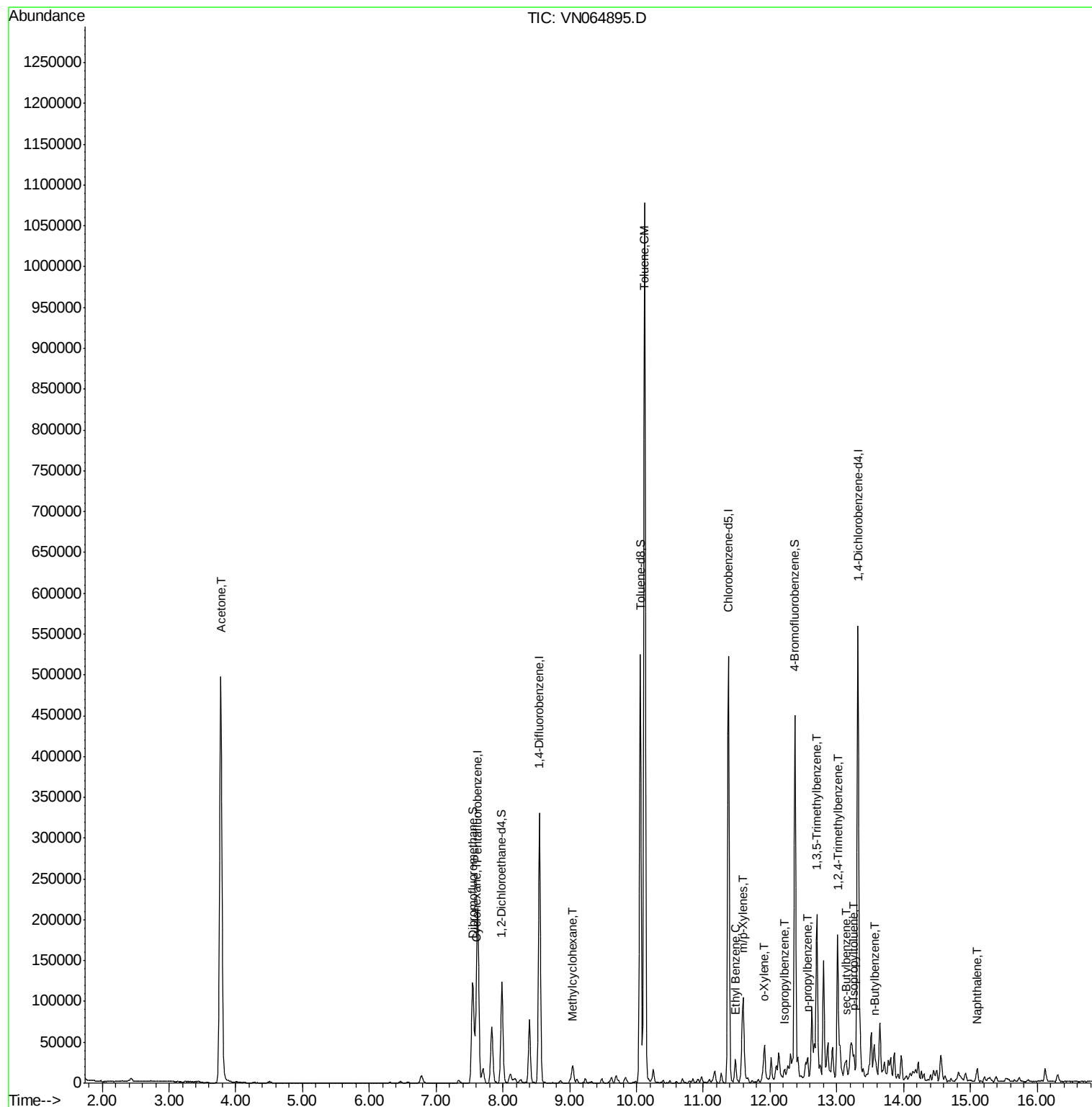
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120320\
Data File : VN064895.D
Acq On : 3 Dec 2020 13:09
Operator : JC/MD
Sample : L4918-01 20X
Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

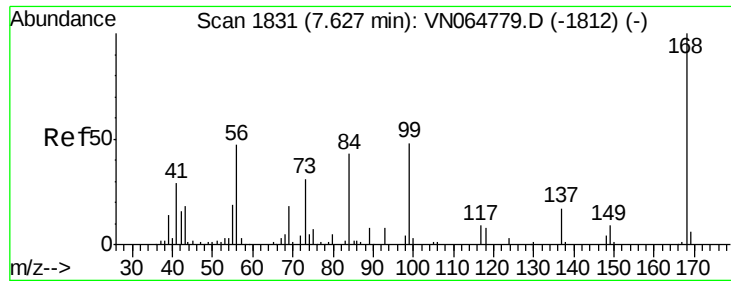
Instrument :
MSVOA_N
ClientSampleId :
20801

Manual Integrations
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12/4/2020 5:43:31 PM

Quant Time: Dec 04 03:43:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 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: VN064895.D

Acq: 3 Dec 2020 13:09

Instrument :

MSVOA_N

ClientSampled :

20801

Tot Ion:168 Resp: 177337

Ion Ratio Lower Upper

168 100

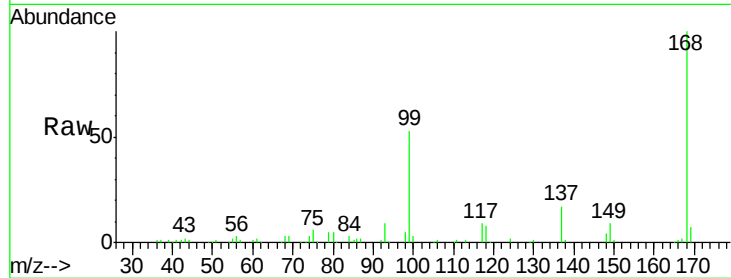
99 52.6 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

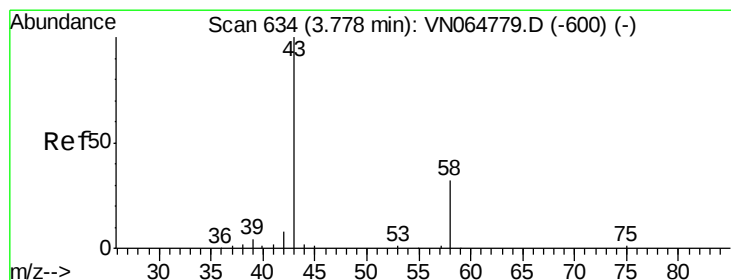
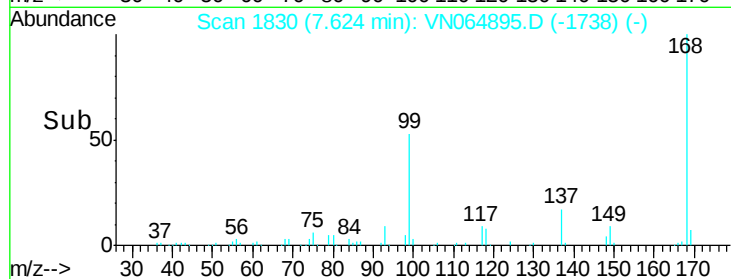
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#16

Acetone

Concen: 1190.358 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064895.D

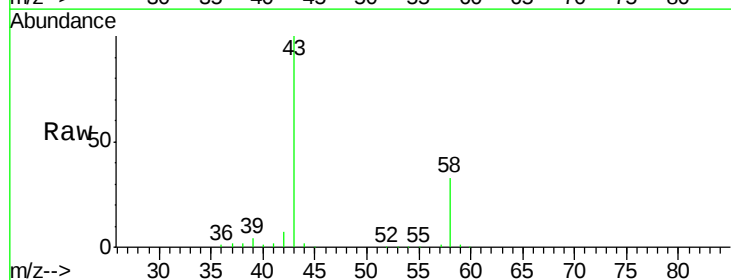
Acq: 3 Dec 2020 13:09

Tgt Ion: 43 Resp: 806736

Ion Ratio Lower Upper

43 100

58 33.4 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

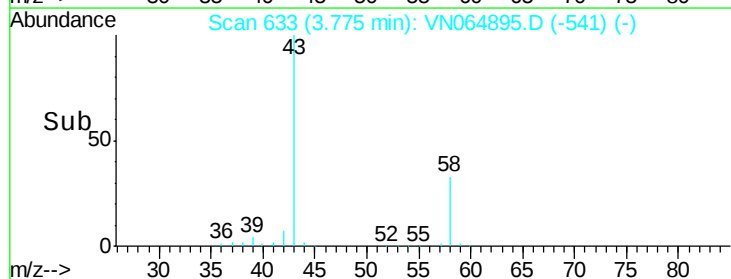
300000

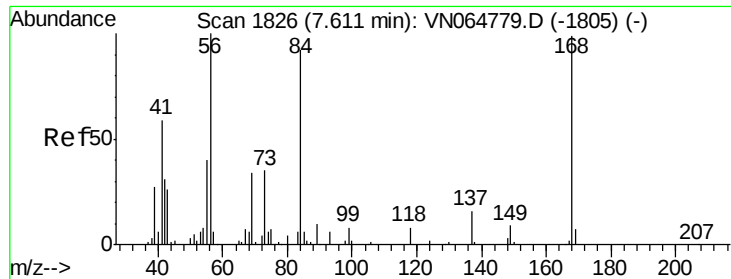
200000

100000

0

Time--> 3.70 3.80 3.90





#31

Cyclohexane

Concen: 5.251 ug/l

RT: 7.59 min Scan# 1820

Delta R.T. -0.02 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:09

Instrument :

MSVOA_N

ClientSampleId :

20801

Tot Ion: 56 Resp: 15089

Ion Ratio Lower Upper

56 100

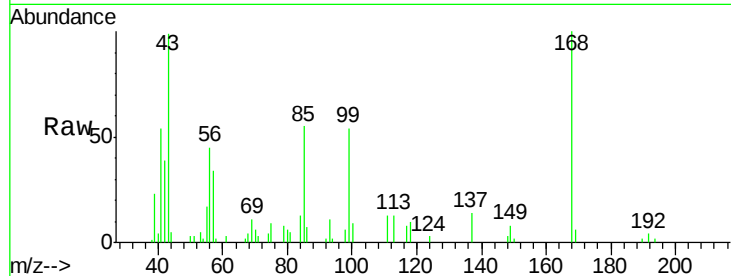
69 24.0 27.5 41.3#

84 28.6 73.9 110.9#

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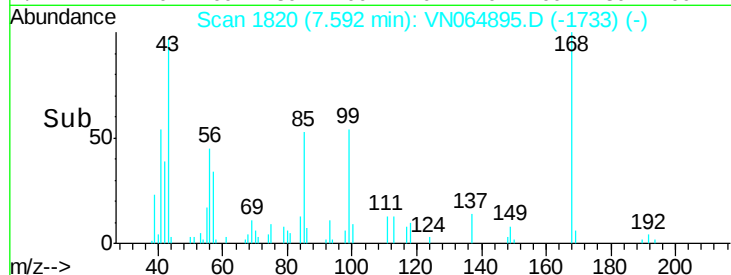


Abundance Ion 56.00 (55.70 to 56.70): VN064895.D (-1733) (-)

Ion 69.00 (68.70 to 69.70): VN064895.D (-1733) (-)

Ion 84.00 (83.70 to 84.70): VN064895.D (-1733) (-)

Time-->



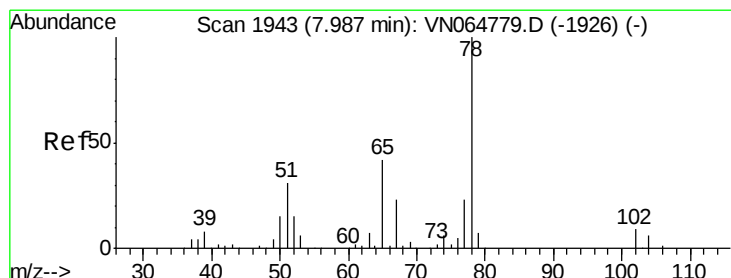
Abundance

Ion 56.00 (55.70 to 56.70): VN064895.D (-1733) (-)

Ion 69.00 (68.70 to 69.70): VN064895.D (-1733) (-)

Ion 84.00 (83.70 to 84.70): VN064895.D (-1733) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.367 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064895.D

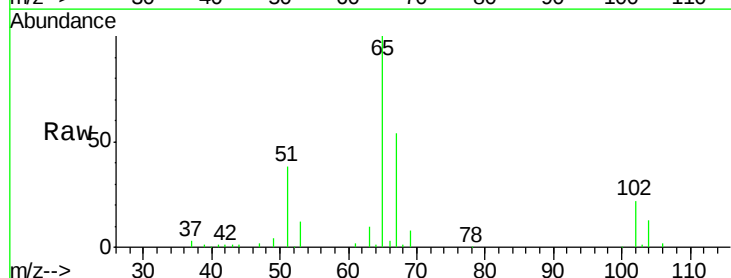
Acq: 3 Dec 2020 13:09

Tgt Ion: 65 Resp: 103840

Ion Ratio Lower Upper

65 100

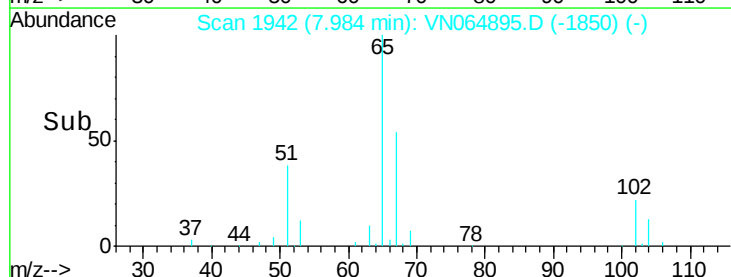
67 53.8 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064895.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064895.D (-1850) (-)

Time-->

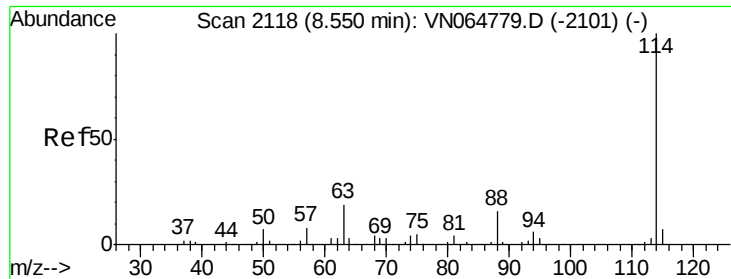


Abundance

Ion 64.90 (64.60 to 65.60): VN064895.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064895.D (-1850) (-)

Time-->



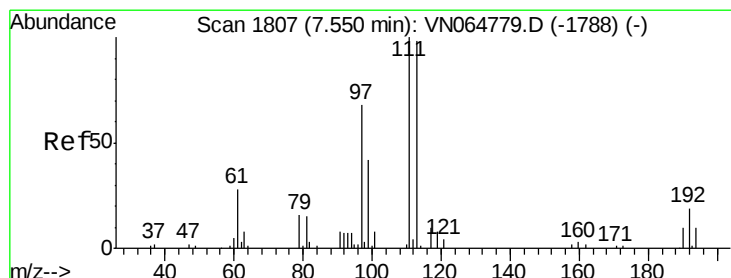
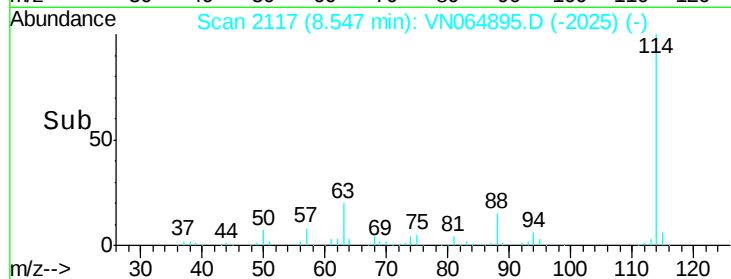
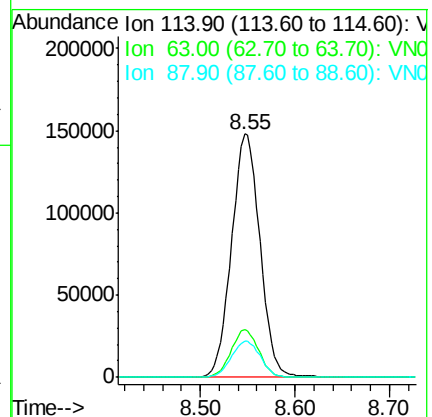
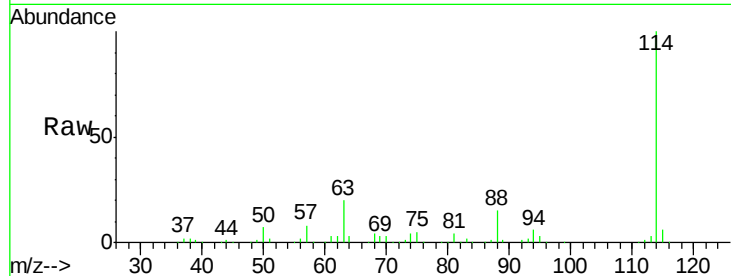
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN064895.D
Acq: 3 Dec 2020 13:09

Instrument :
MSVOA_N
ClientSampleId :
20801

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.6	0.0	38.6
88	14.9	0.0	32.6

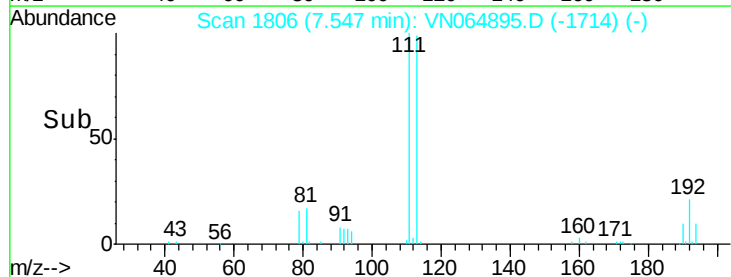
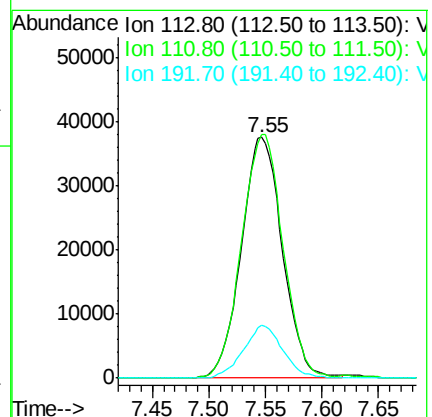
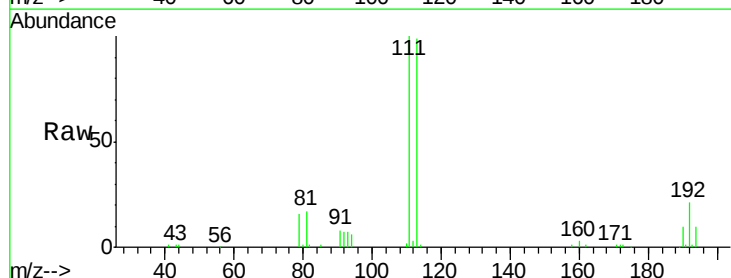
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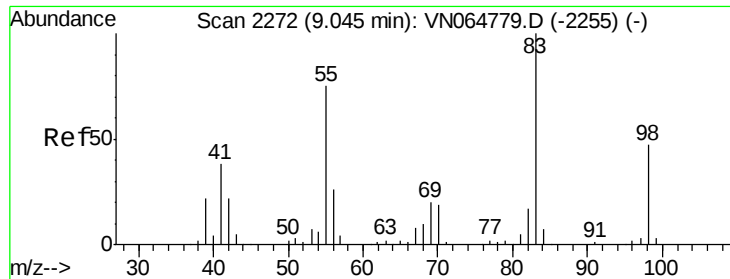
SAM
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#35
Dibromofluoromethane
Concen: 51.432 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064895.D
Acq: 3 Dec 2020 13:09

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.9	81.6	122.4
192	20.8	16.2	24.2





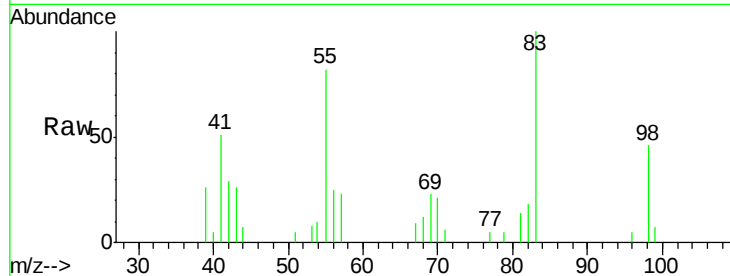
#39
Methvlcvclohexane
Concen: 2.619 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064895.D
Acq: 3 Dec 2020 13:09

Instrument :
MSVOA_N
ClientSampleId :
20801

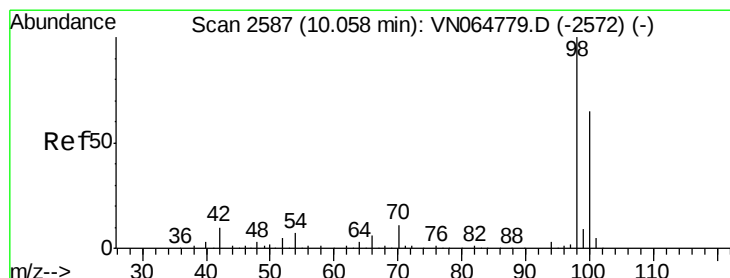
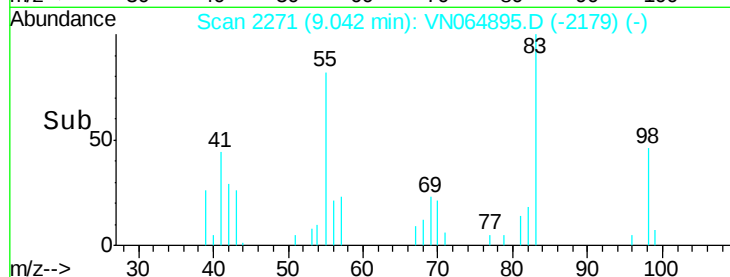
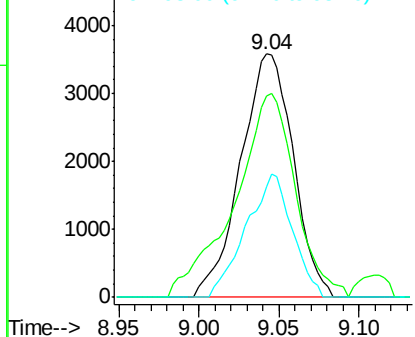
Tot Ion	83	Resp	8086
Ion Ratio	100	Lower	Upper
83	100		
55	77.6	60.2	90.2
98	45.6	37.4	56.2

Manual Integrations
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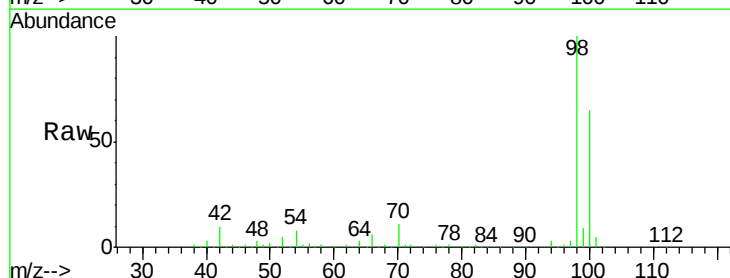


Abundance Ion 83.00 (82.70 to 83.70): VN064895.D (-2179) (-)
Ion 55.00 (54.70 to 55.70): VN064895.D (-2179) (-)
Ion 98.00 (97.70 to 98.70): VN064895.D (-2179) (-)

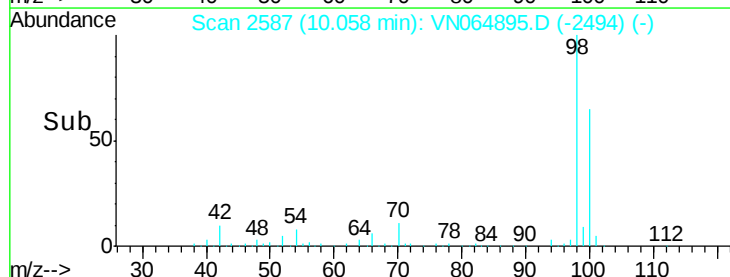
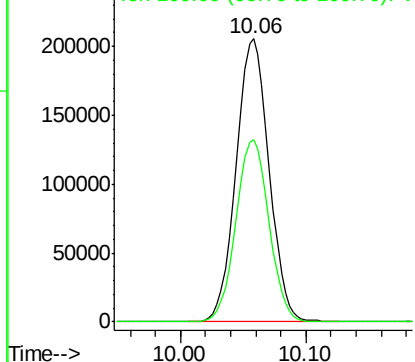


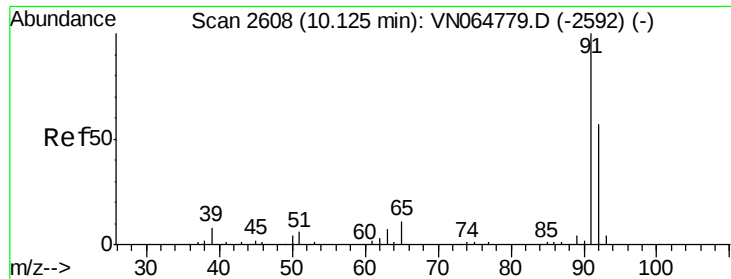
#50
Toluene-d8
Concen: 49.681 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064895.D
Acq: 3 Dec 2020 13:09

Tgt Ion	98	Resp	375874
Ion Ratio	100	Lower	Upper
98	100		
100	64.8	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064895.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN064895.D (-2494) (-)





#52

Toluene

Concen: 89.765 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:09

Instrument :

MSVOA_N

ClientSampled :
20801

Tot Ion: 92 Resp: 485889

Ion Ratio Lower Upper

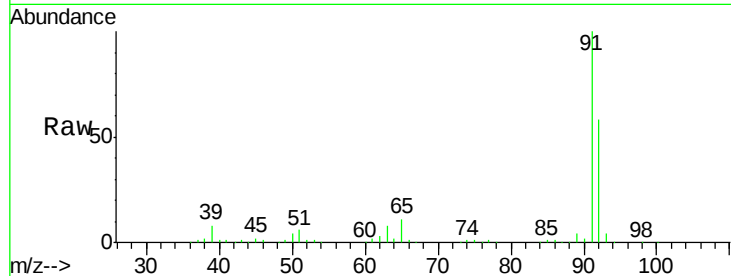
92 100

91 171.9 139.1 208.7

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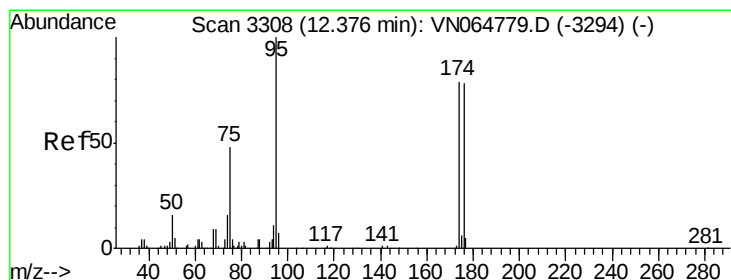
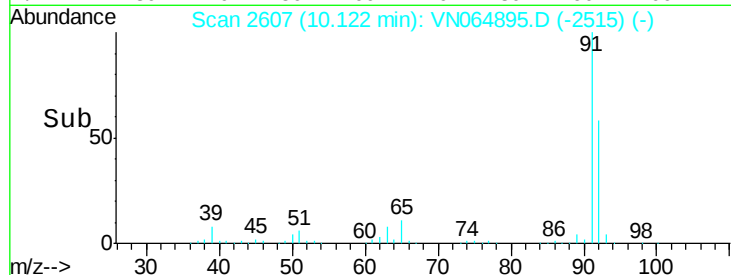
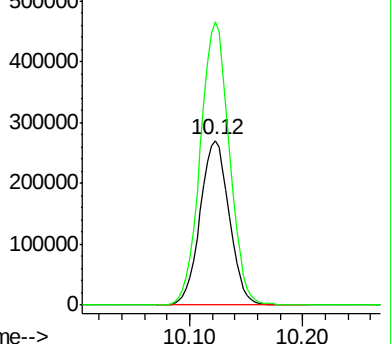
SAM

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 58.440 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:09

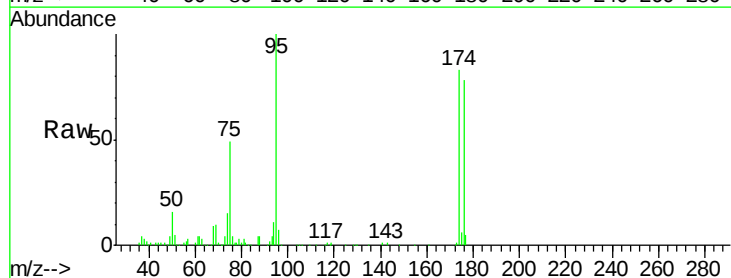
Tgt Ion: 95 Resp: 158232

Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.4

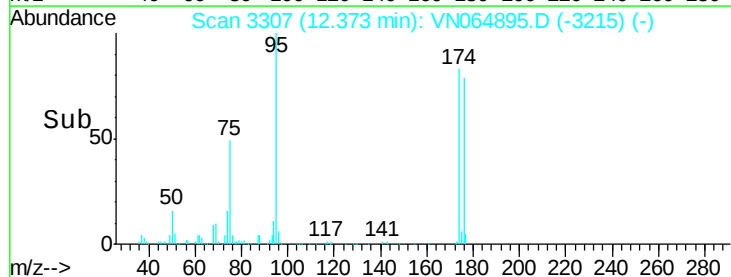
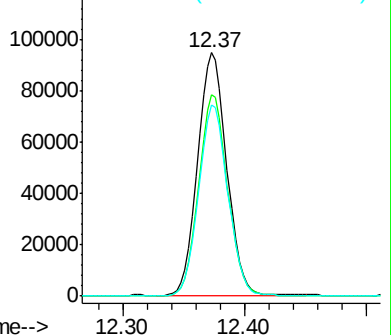
176 79.0 0.0 158.4

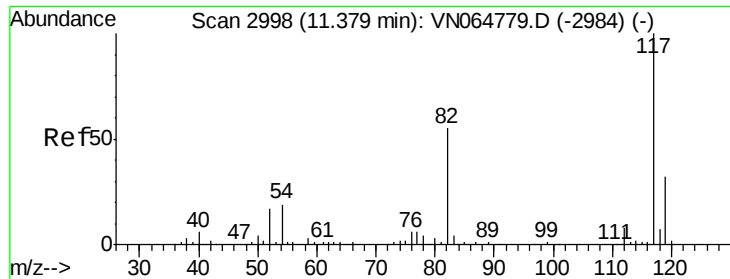


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





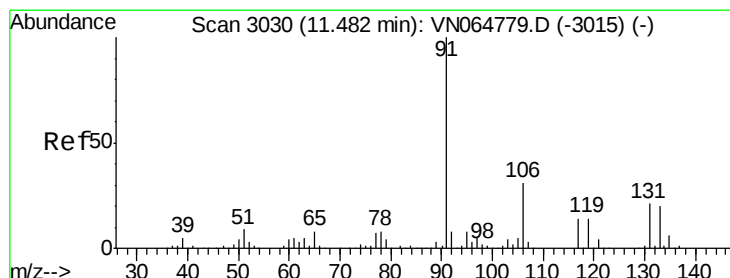
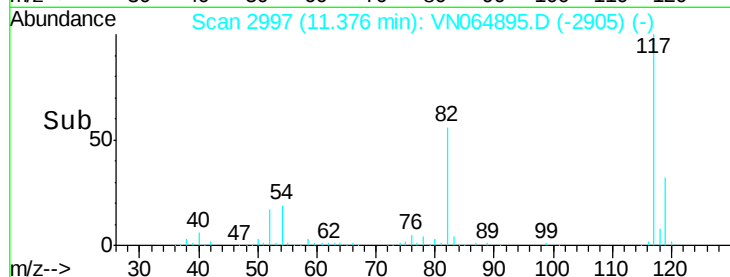
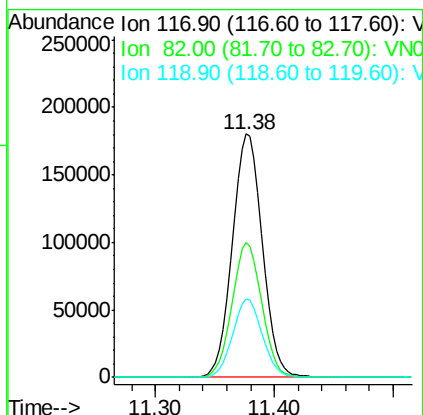
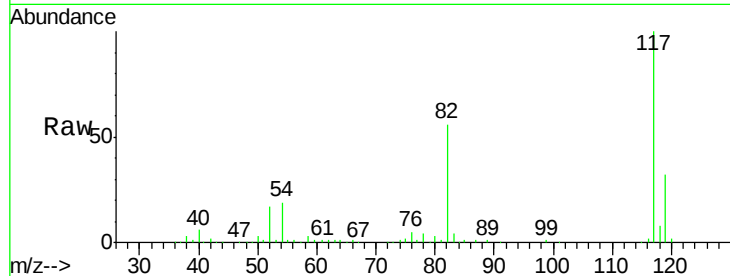
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064895.D
Acq: 3 Dec 2020 13:09

Instrument :
MSVOA_N
ClientSampled :
20801

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.2
119	32.2	25.8	38.6

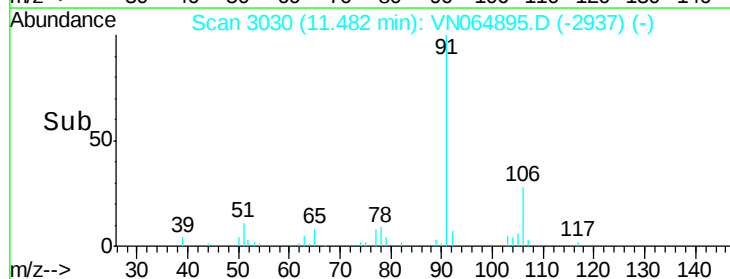
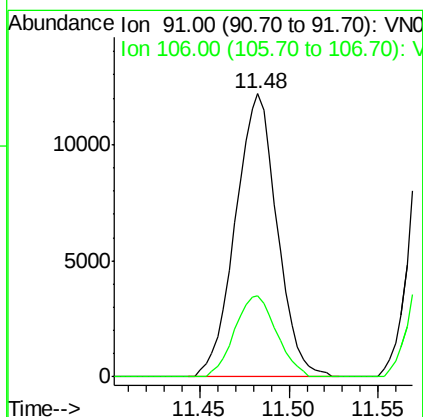
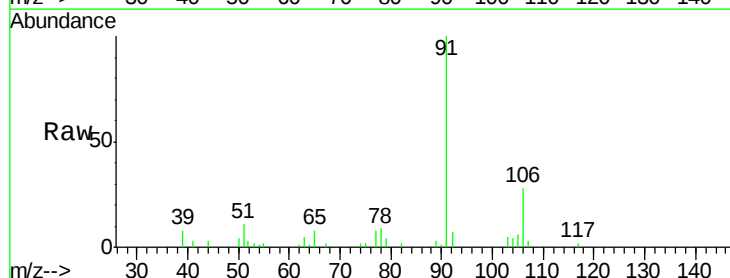
Manual Integrations
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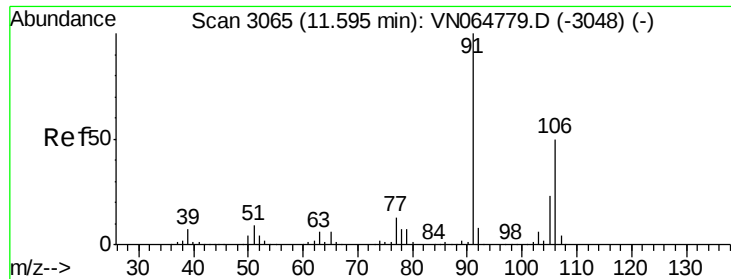
SAM
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#67
Ethyl Benzene
Concen: 1.758 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064895.D
Acq: 3 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.4	25.2	37.8





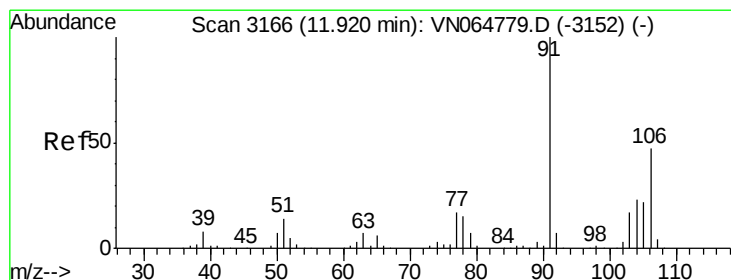
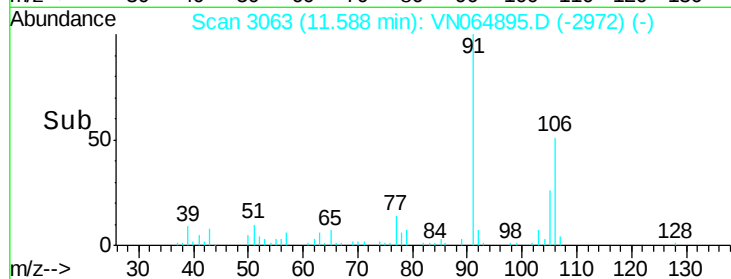
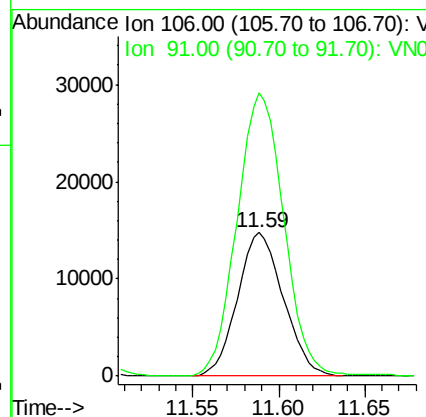
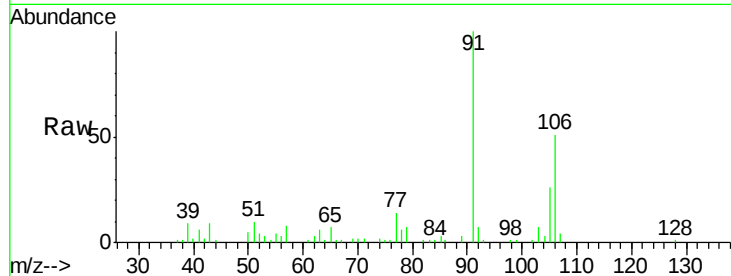
#68
m/p-Xylenes
Concen: 6.375 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN064895.D
Acq: 3 Dec 2020 13:09

Instrument :
MSVOA_N
ClientSampled :
20801

Tot Ion:106 Resp: 27332
Ion Ratio Lower Upper
106 100
91 201.1 161.0 241.4

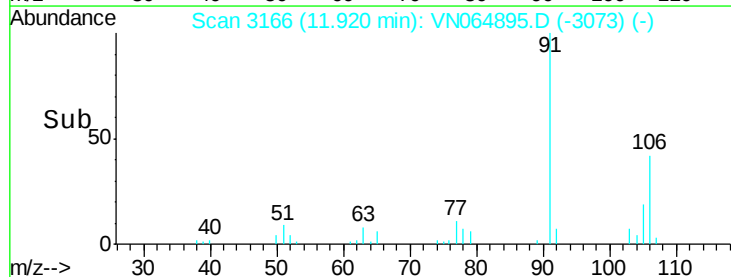
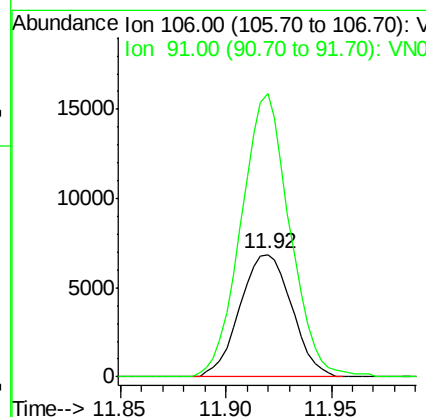
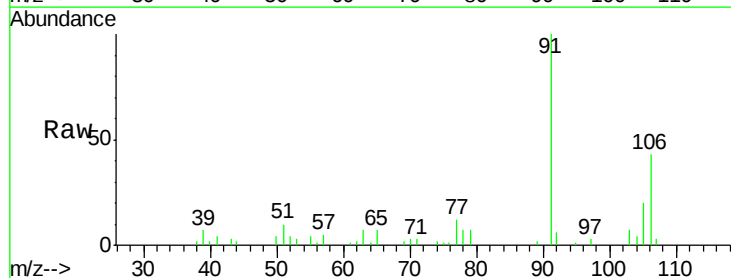
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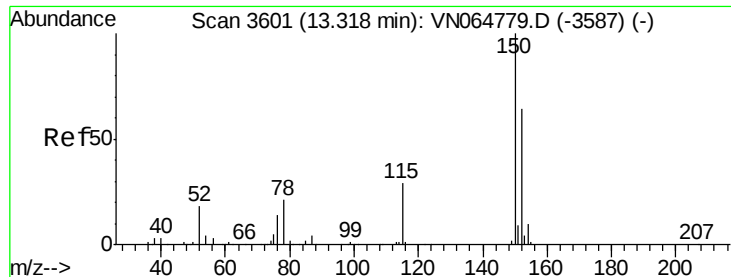
SAM
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#69
o-Xylene
Concen: 2.876 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064895.D
Acq: 3 Dec 2020 13:09

Tgt Ion:106 Resp: 11701
Ion Ratio Lower Upper
106 100
91 218.3 105.5 316.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:09

Instrument :

MSVOA_N

ClientSampled :

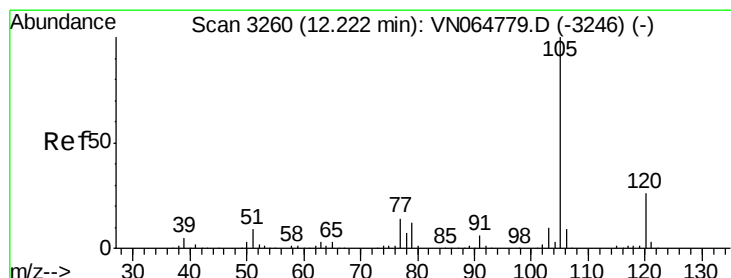
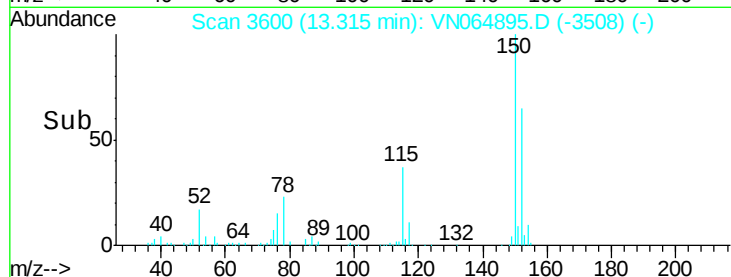
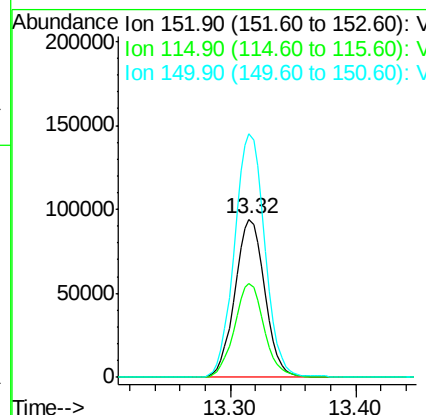
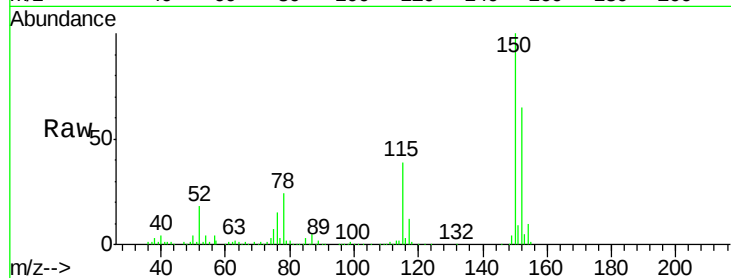
20801

Tot Ion:	152	Resp:	156027
Ion Ratio	Lower	Upper	
152	100		
115	59.4	29.7	89.1
150	156.3	0.0	350.6

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#73

Isopropylbenzene

Concen: 0.511 ug/l

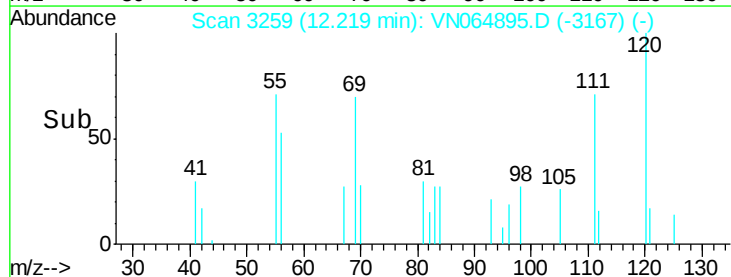
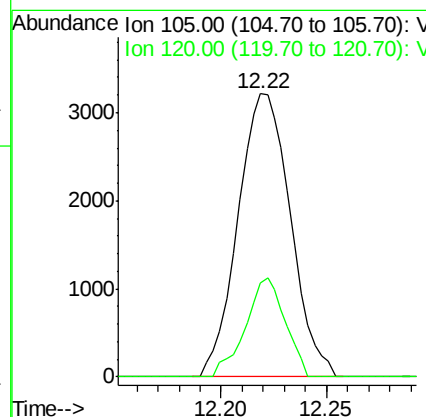
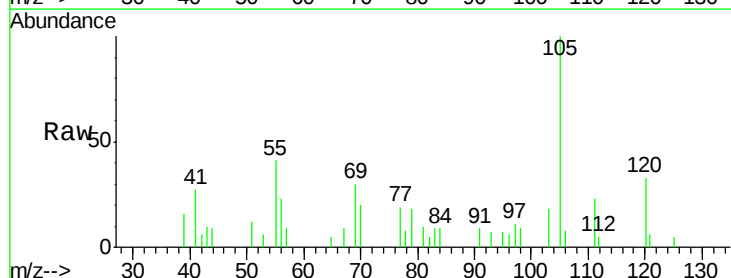
RT: 12.22 min Scan# 3259

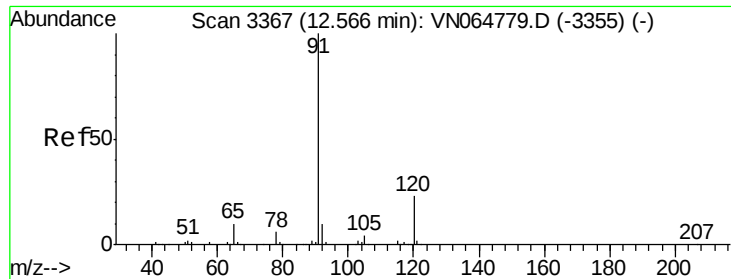
Delta R.T. -0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:09

Tgt Ion:	105	Resp:	5549
Ion Ratio	Lower	Upper	
105	100		
120	26.4	13.3	39.9





#78

n-propylbenzene

Concen: 1.848 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:09

Instrument :

MSVOA_N

ClientSampled :

20801

Tot Ion: 91 Resp: 22842

Ion Ratio Lower Upper

91 100

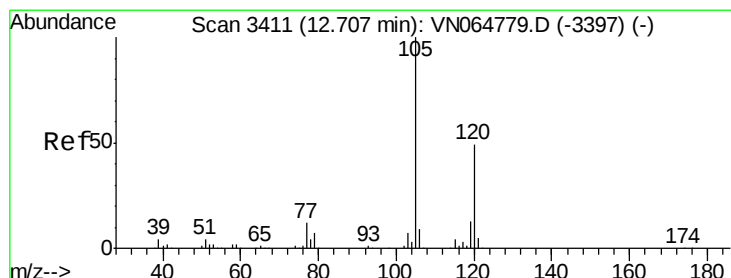
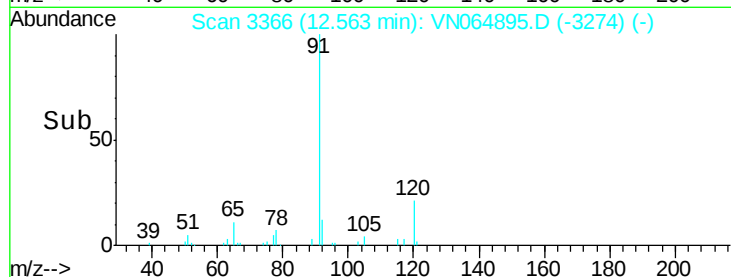
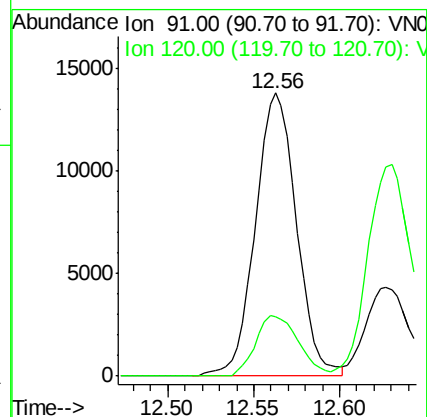
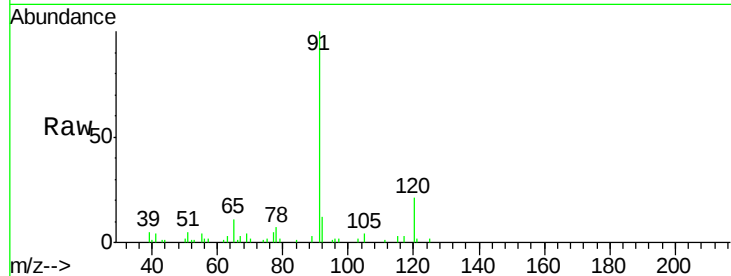
120 22.3 11.6 34.7

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#80

1,3,5-Trimethylbenzene

Concen: 3.047 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064895.D

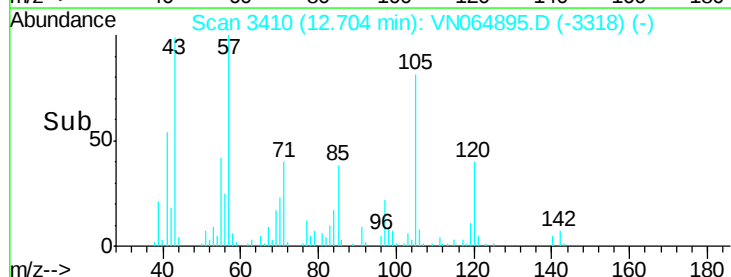
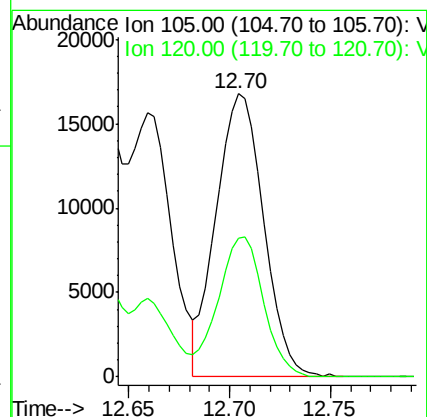
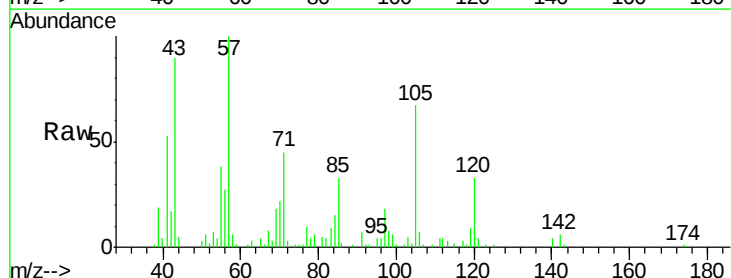
Acq: 3 Dec 2020 13:09

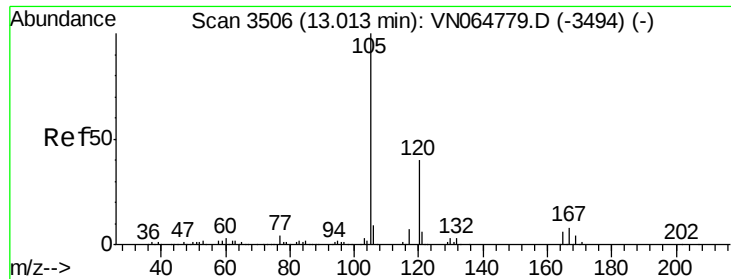
Tgt Ion: 105 Resp: 27483

Ion Ratio Lower Upper

105 100

120 47.1 24.6 73.6





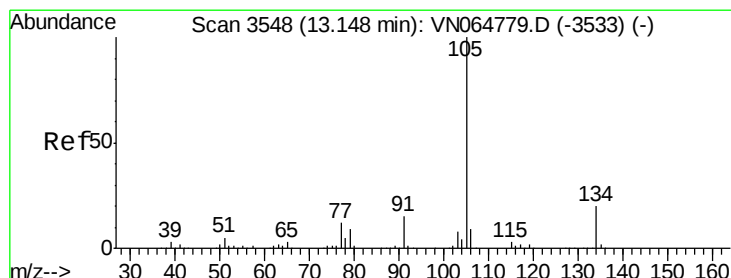
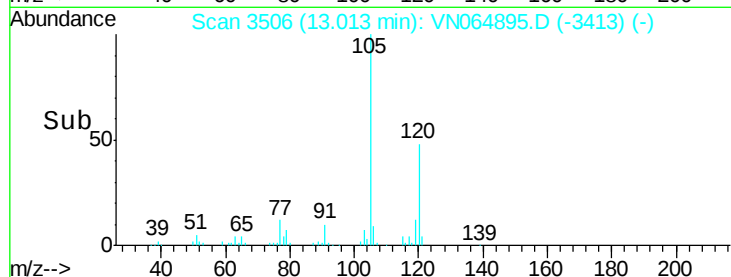
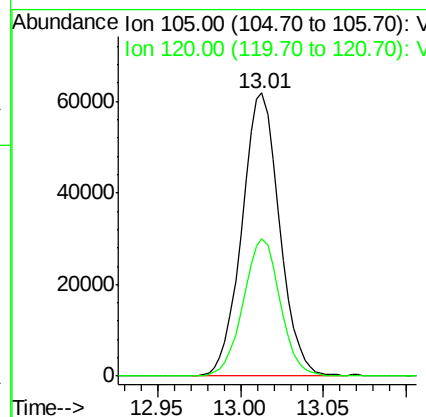
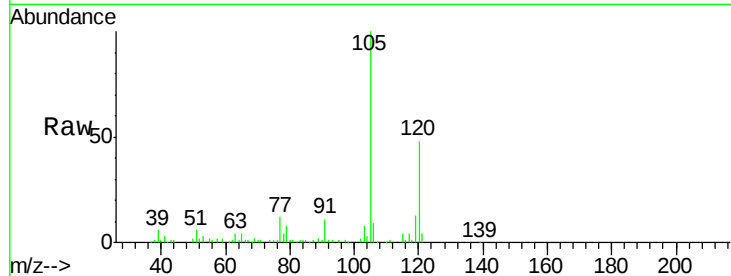
#84
 1,2,4-Trimethylbenzene
 Concen: 10.670 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064895.D
 Acq: 3 Dec 2020 13:09

Instrument :
 MSVOA_N
 ClientSampled :
 20801

Tot Ion:105 Resp: 97316
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.1 69.2

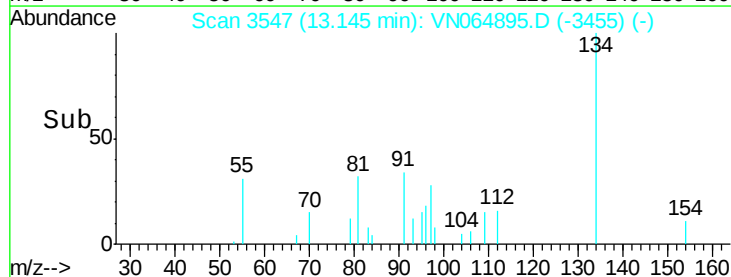
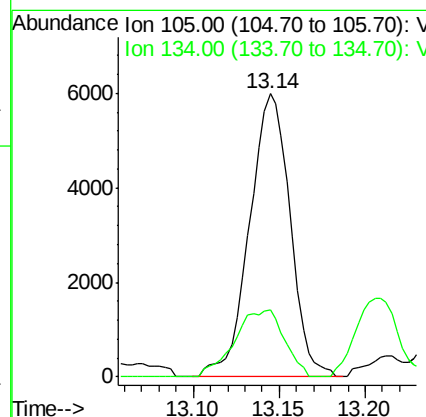
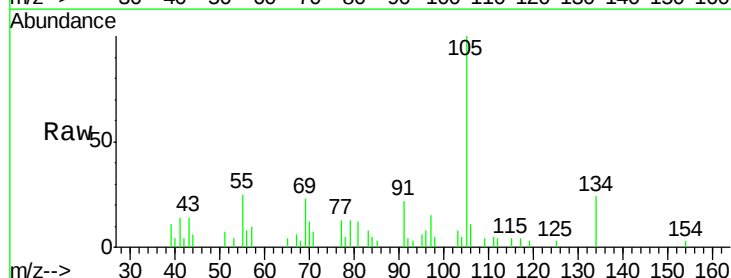
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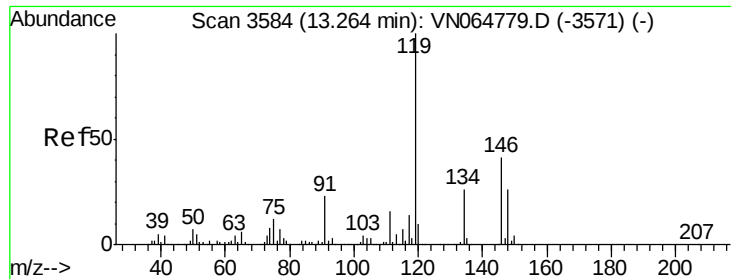
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#85
 sec-Butylbenzene
 Concen: 0.978 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064895.D
 Acq: 3 Dec 2020 13:09

Tgt Ion:105 Resp: 9823
 Ion Ratio Lower Upper
 105 100
 134 29.0 10.1 30.1





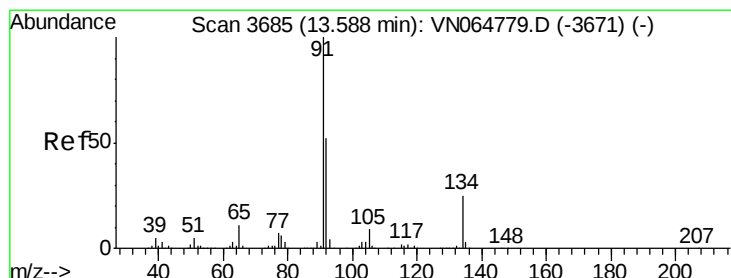
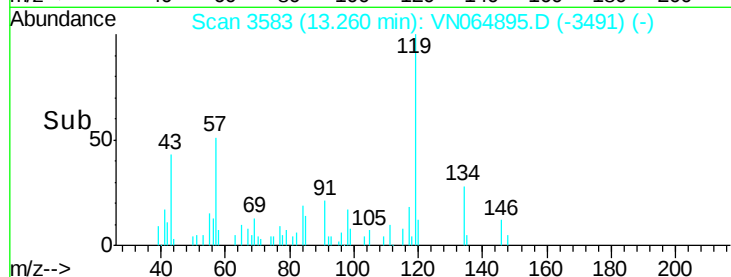
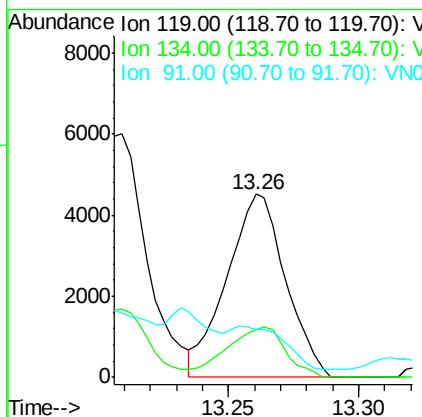
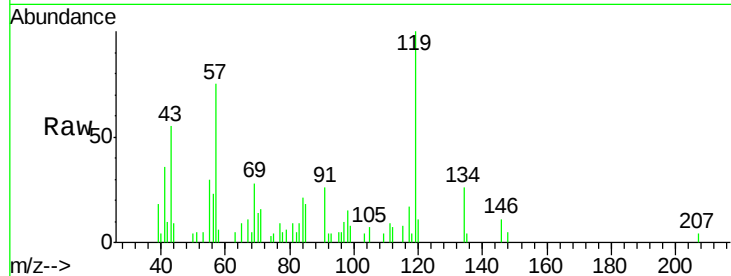
#86
 p-Isopropyltoluene
 Concen: 0.778 ug/l m
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064895.D
 Acq: 3 Dec 2020 13:09

Instrument :
 MSVOA_N
 ClientSampled :
 20801

Tot Ion	Ratio	Lower	Upper
119	100		
134	40.2	13.1	39.1#
91	35.0	11.5	34.5#

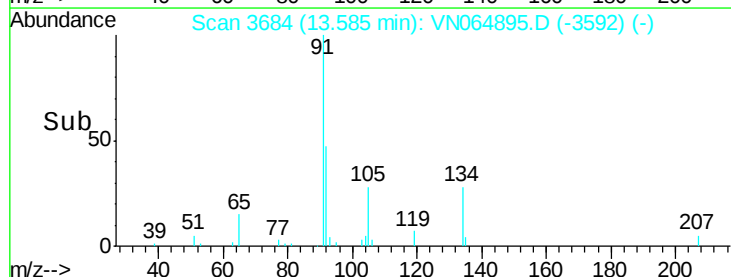
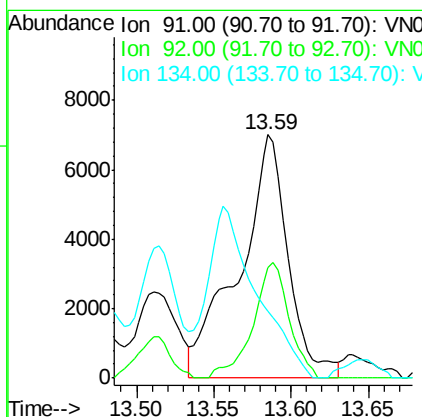
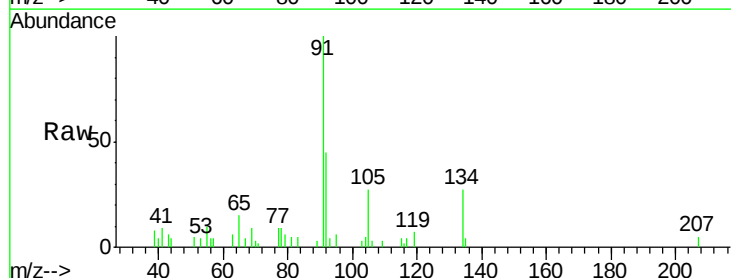
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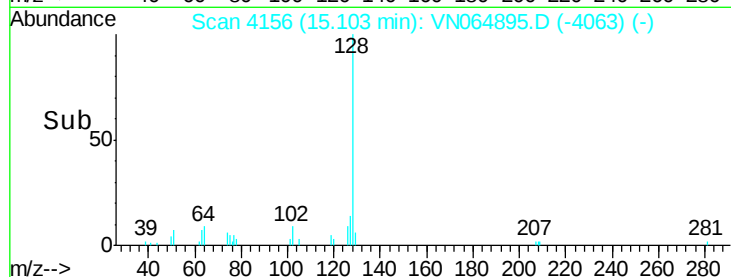
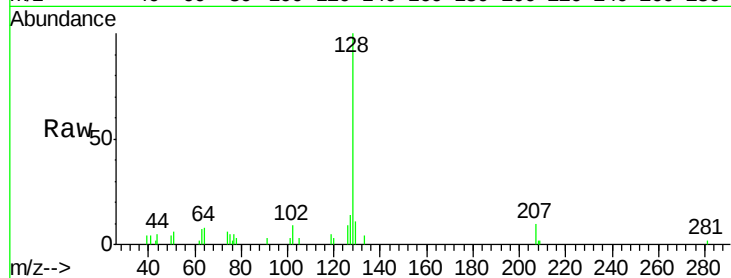
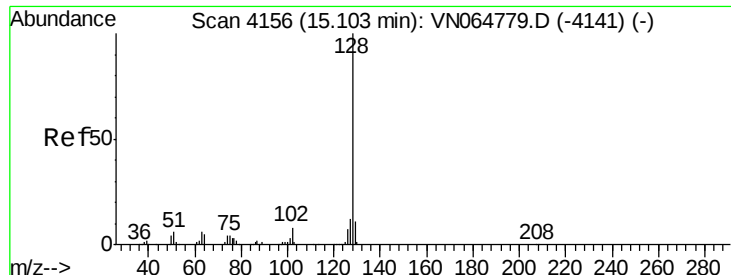
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#89
 n-Butylbenzene
 Concen: 1.939 ug/l
 RT: 13.59 min Scan# 3684
 Delta R.T. -0.00 min
 Lab File: VN064895.D
 Acq: 3 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	34.8	26.0	78.0
134	0.0	12.9	38.6#





#95

Naphthalene

Concen: 1.490 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:09

Instrument :

MSVOA_N

ClientSampleId :

20801

Tot Ion:	128	Resp:	14097
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.3	15.5
129	12.0	8.7	13.1

Manual Integrations
APPROVED

SAM
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