

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036635.D
 Acq On : 1 Apr 2021 16:47
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Manual Integrations
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Quant Time: Apr 02 09:06:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	938213	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	2462438	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	2344990	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1821826	9.75	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	296676m	5.309	ppbv	
10) Heptane	8.19	43	13480430	94.691	ppbv	88
26) Hexane	5.74	57	23807552	233.685	ppbv #	46
30) Cyclohexane	7.17	84	6862250	83.053	ppbv	87
36) Benzene	6.93	78	12608464	55.519	ppbv #	84
44) 2,2,4-Trimethylpentane	7.98	57	57433661m	143.692	ppbv	
58) Ethyl Benzene	12.74	91	416933	1.222	ppbv	95
59) m/p-Xylene	12.99	91	178370m	0.599	ppbv	
60) o-Xylene	13.72	91	37131m	0.129	ppbv	
62) Isopropylbenzene	14.69	105	154293	0.398	ppbv	96
64) n-propylbenzene	15.58	120	16934	0.179	ppbv	79

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

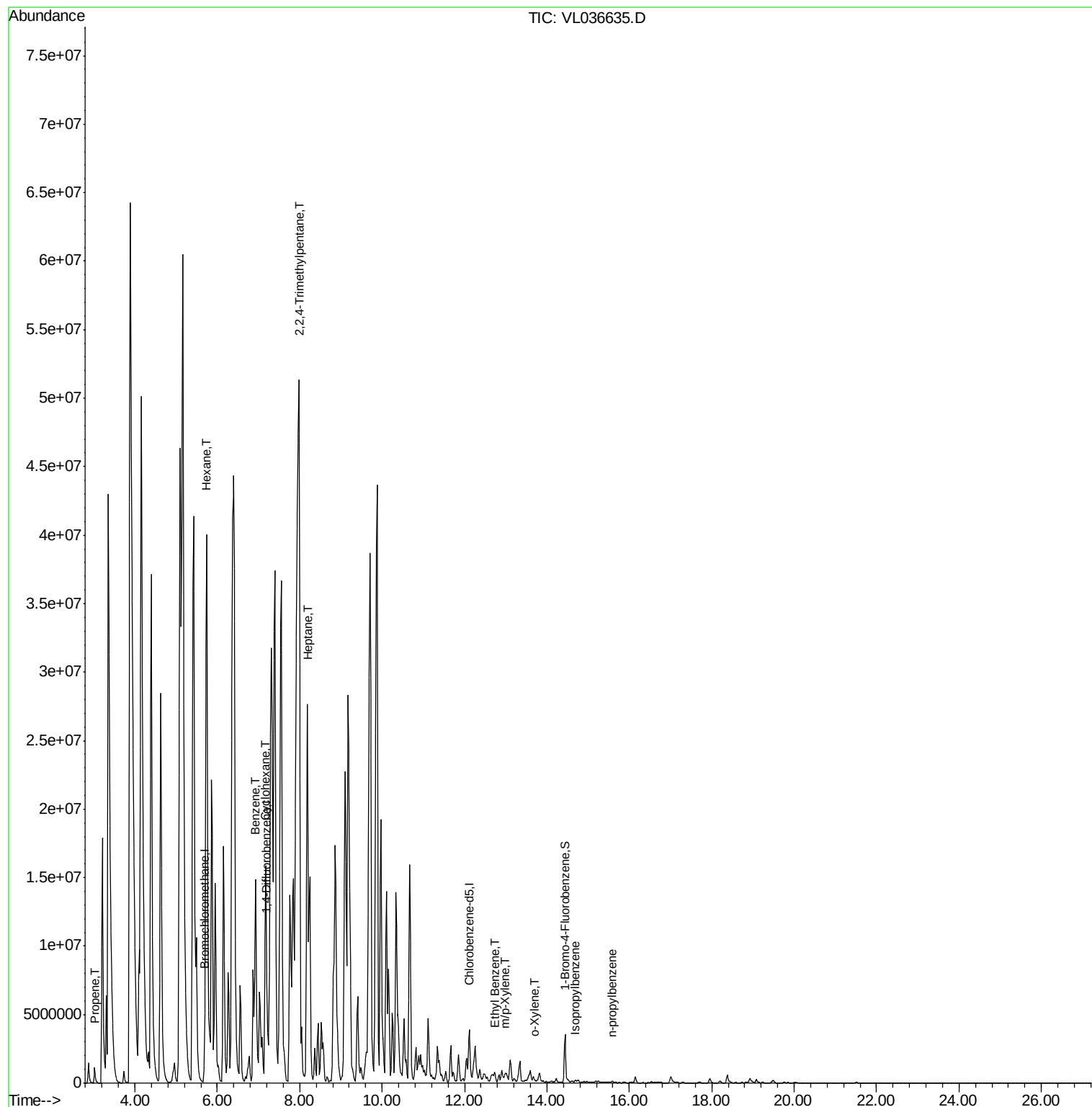
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040121\
Data File : VL036635.D
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Operator : SY/AP
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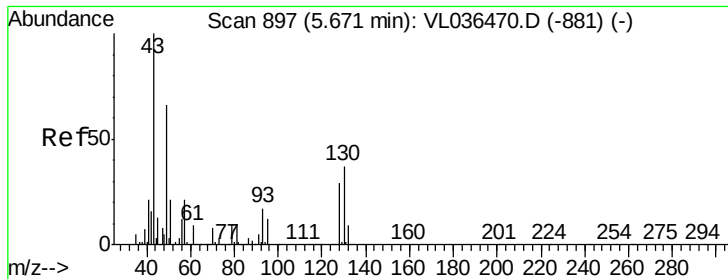
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

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Quant Time: Apr 02 09:06:04 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





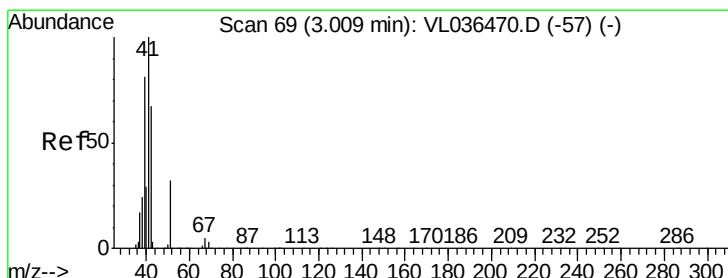
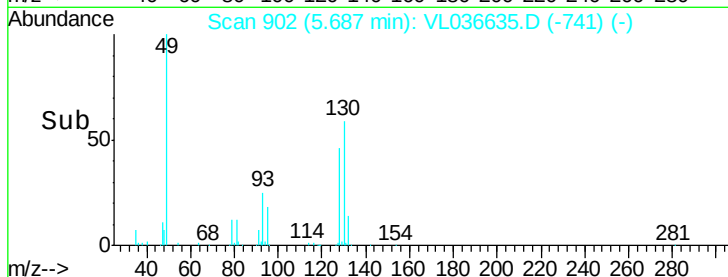
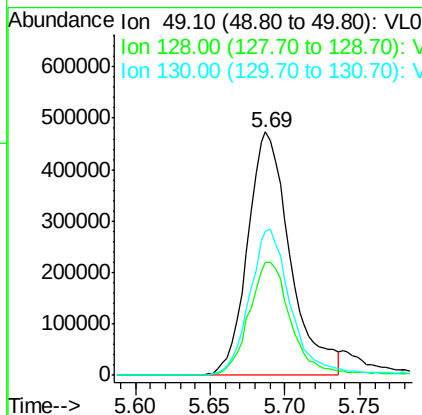
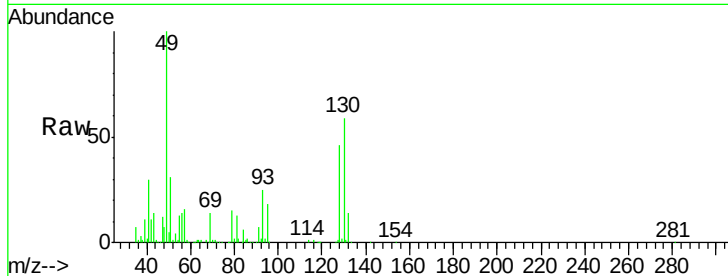
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. 0.02 min
 Lab File: VL036635.D
 Acq: 1 Apr 2021 16:47

Instrument :
 MSVOA_L
 ClientSampled :
 VIBLK

Tot Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.5	70.6
130	60.4	29.1	87.4

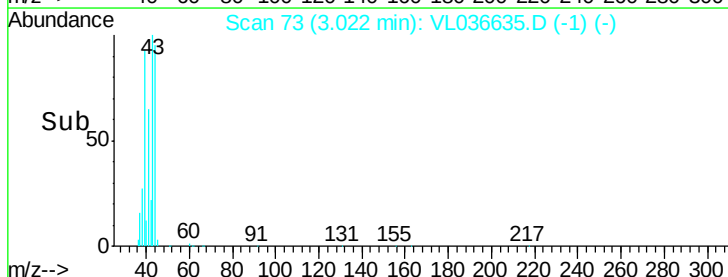
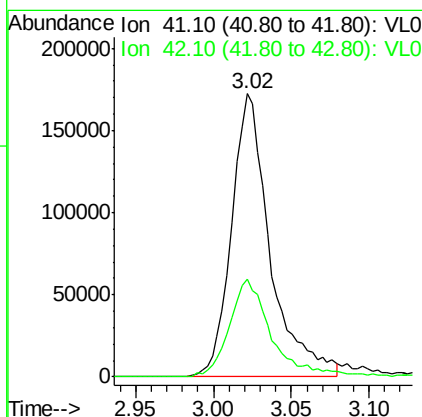
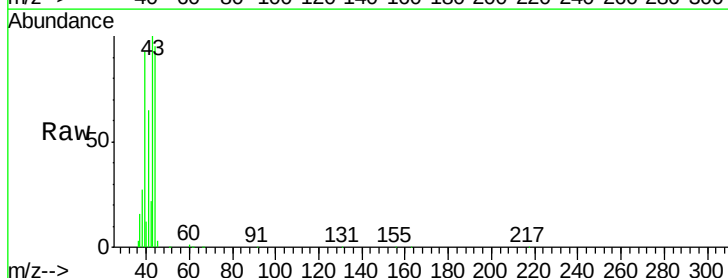
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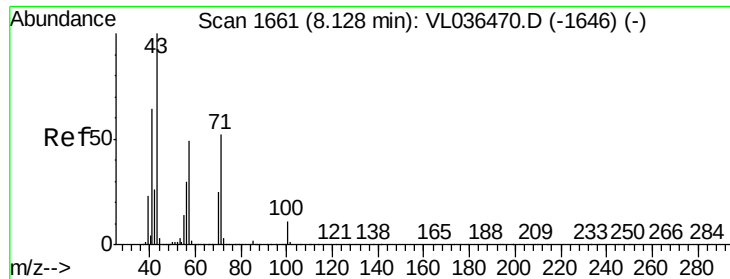
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#9
 Propene
 Concen: 5.309 ppbv m
 RT: 3.02 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: VL036635.D
 Acq: 1 Apr 2021 16:47

Tgt Ion	Ratio	Lower	Upper
41	100		
42	2206.4	57.0	85.4#





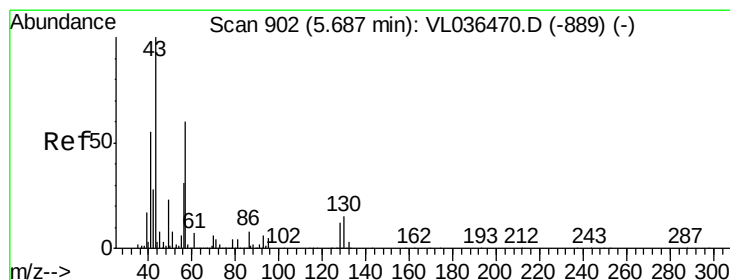
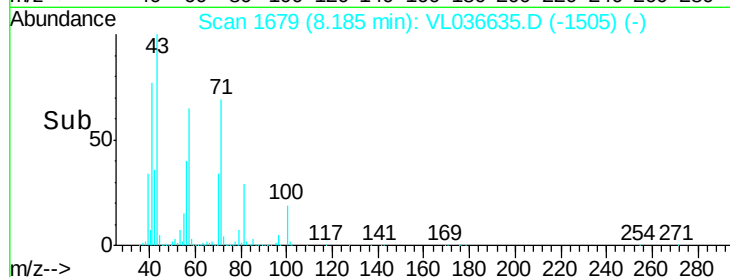
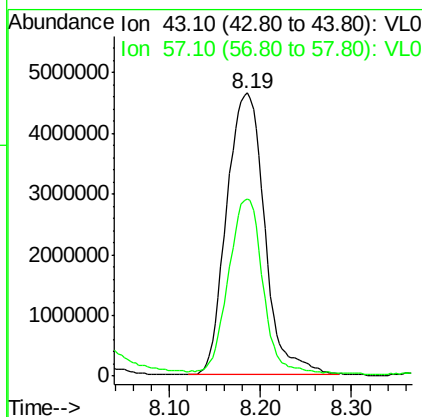
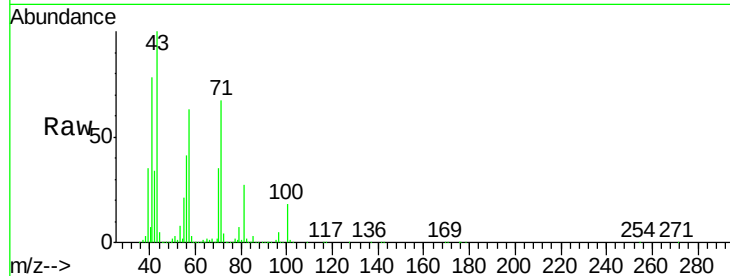
#10
Heptane
Concen: 94.691 ppbv
RT: 8.19 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VL036635.D
Acq: 1 Apr 2021 16:47

Instrument :
MSVOA_L
ClientSampled :
VIBLK

Tot Ion: 43 Resp:13480430
Ion Ratio Lower Upper
43 100
57 57.2 39.0 58.6

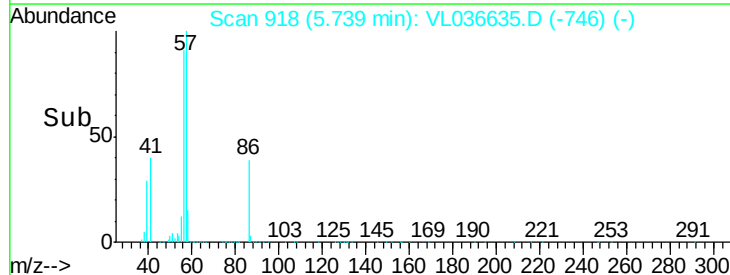
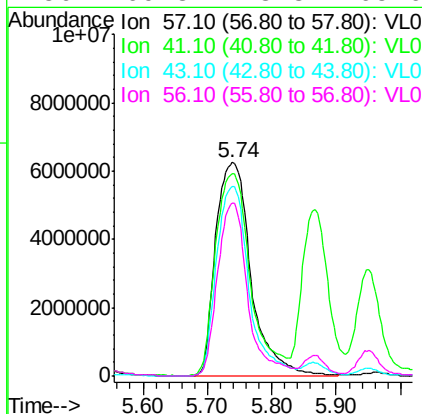
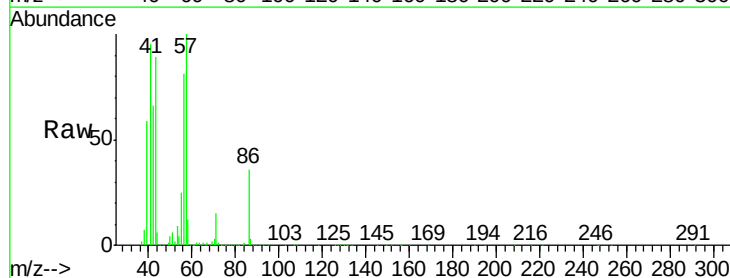
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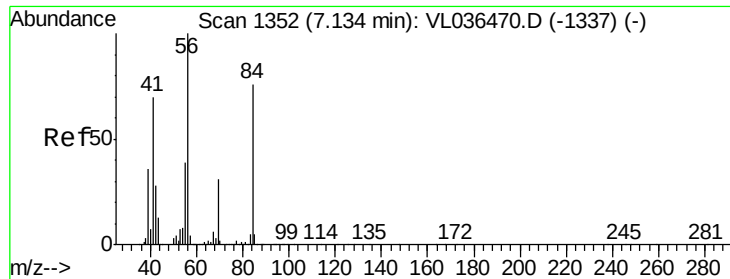
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#26
Hexane
Concen: 233.685 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.05 min
Lab File: VL036635.D
Acq: 1 Apr 2021 16:47

Tgt Ion: 57 Resp:23807552
Ion Ratio Lower Upper
57 100
41 92.9 77.2 115.8
43 81.4 173.8 260.6#
56 69.3 43.8 65.6#





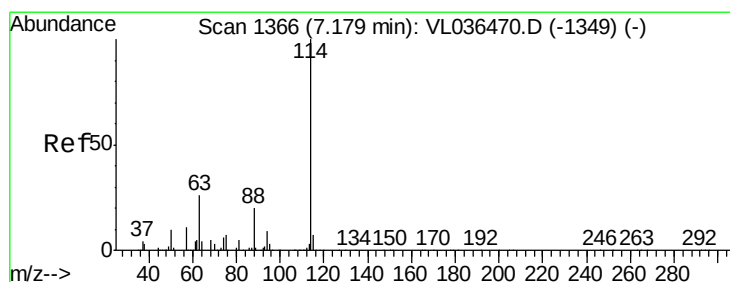
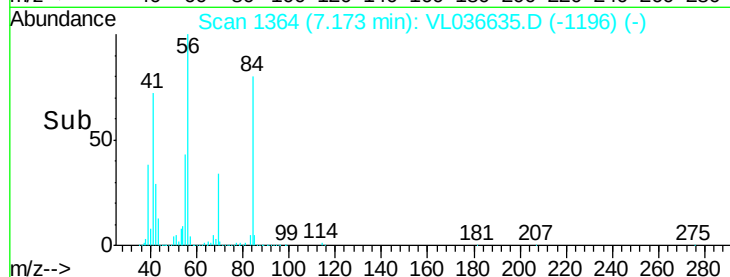
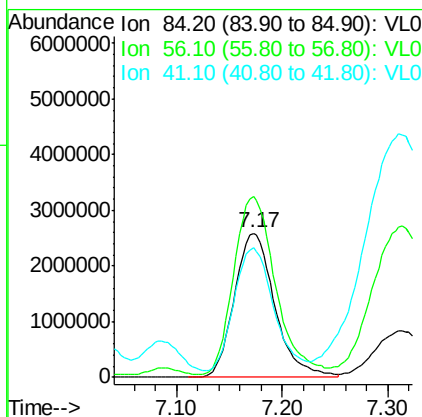
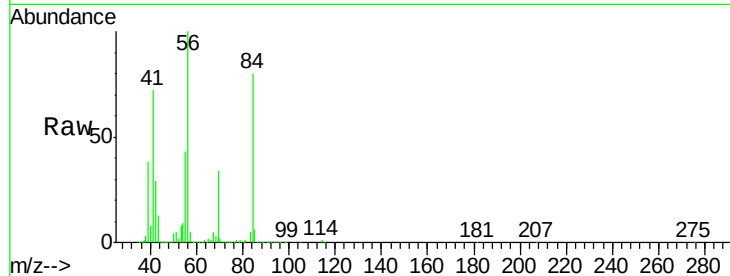
#30
Cyclohexane
Concen: 83.053 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.04 min
Lab File: VL036635.D
Acq: 1 Apr 2021 16:47

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion	Ratio	Lower	Upper
84	100		
56	127.6	114.6	171.8
41	82.2	75.3	112.9

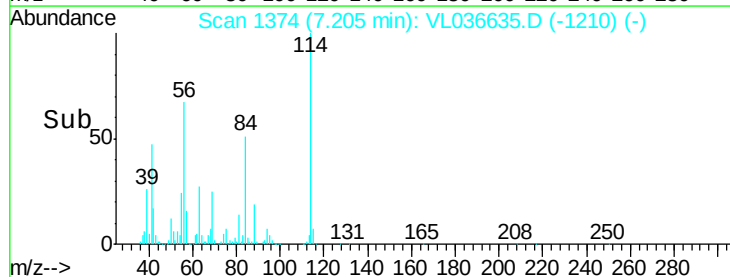
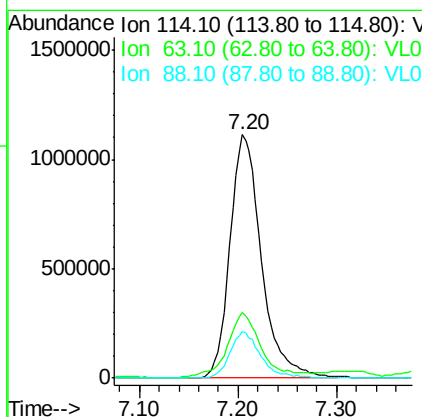
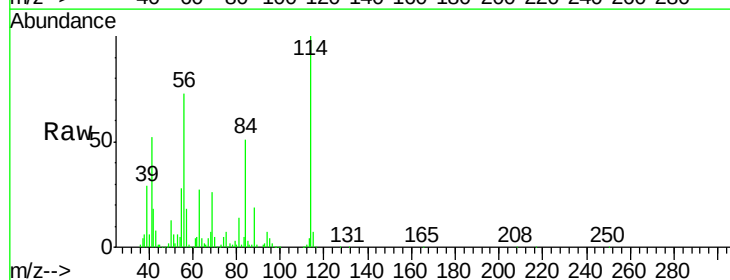
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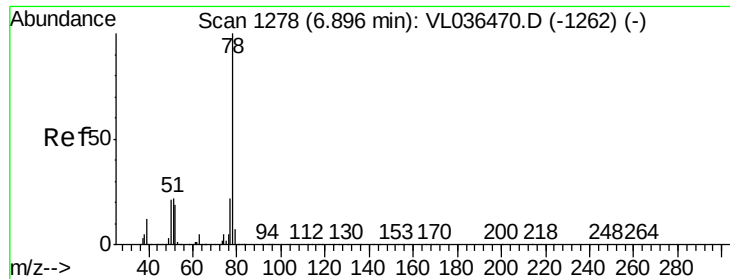
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. 0.03 min
Lab File: VL036635.D
Acq: 1 Apr 2021 16:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.3	22.4	33.6
88	18.6	15.4	23.0





#36

Benzene

Concen: 55.519 ppbv

RT: 6.93 min Scan# 1287

Delta R.T. 0.03 min

Lab File: VL036635.D

Acq: 1 Apr 2021 16:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 78 Resp:12608464

Ion Ratio Lower Upper

78 100

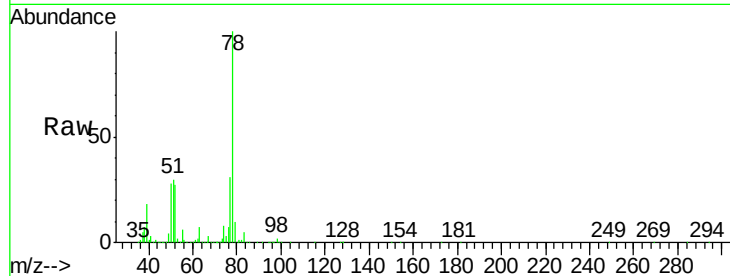
77 30.8 18.0 27.0#

50 27.3 16.5 24.7#

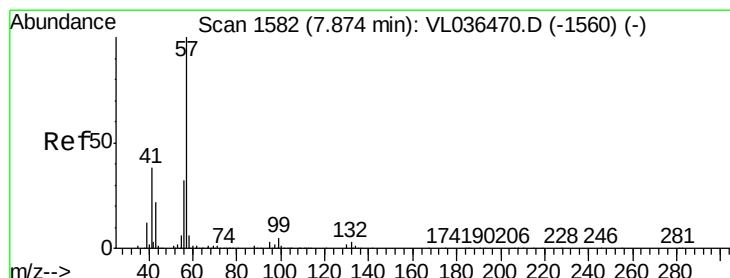
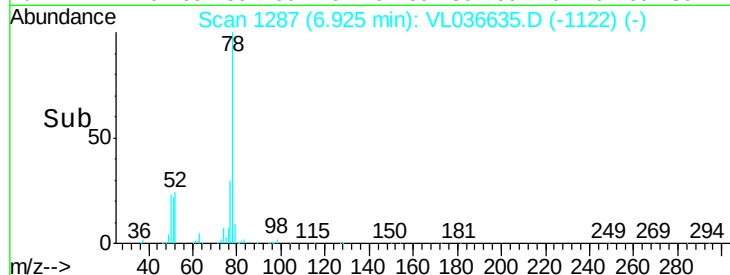
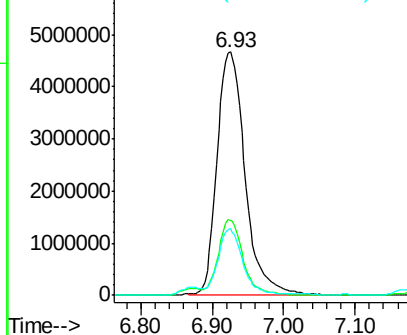
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Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 143.692 ppbv m

RT: 7.98 min Scan# 1616

Delta R.T. 0.11 min

Lab File: VL036635.D

Acq: 1 Apr 2021 16:47

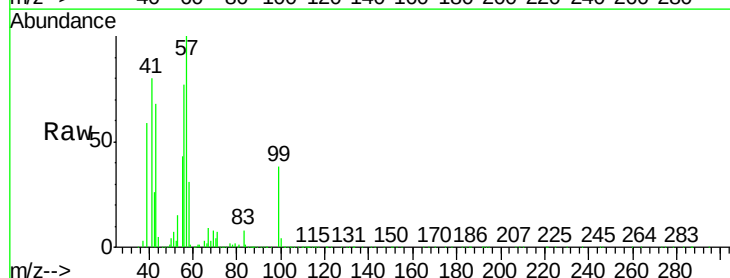
Tgt Ion: 57 Resp:57433661

Ion Ratio Lower Upper

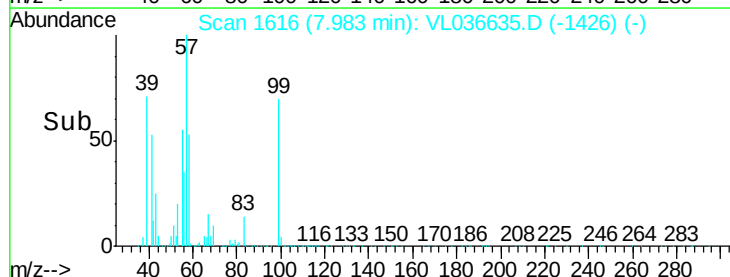
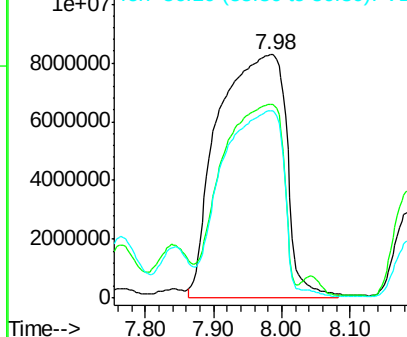
57 100

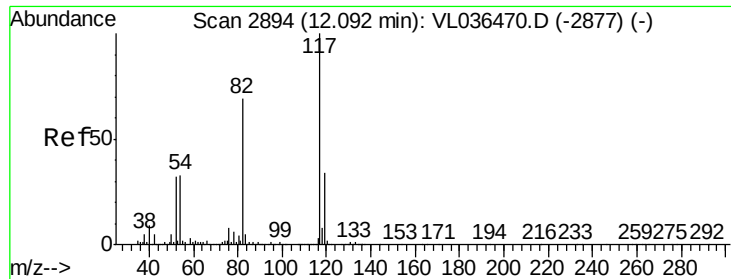
41 9.8 28.8 43.2#

56 9.1 26.1 39.1#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





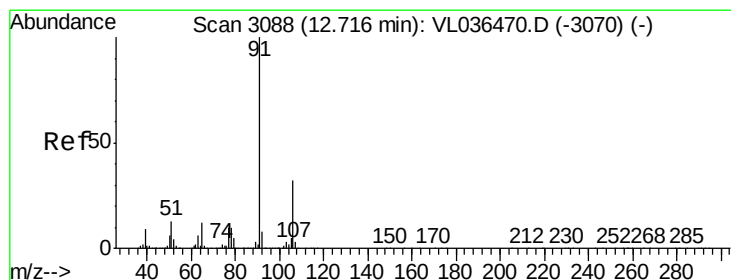
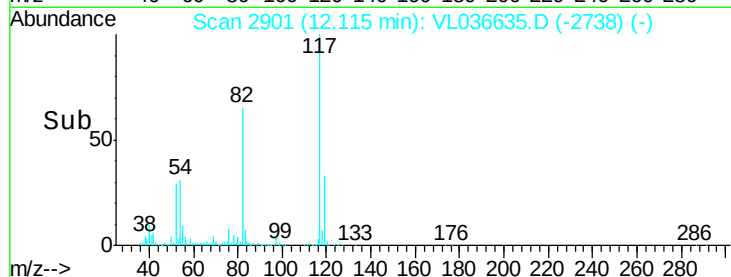
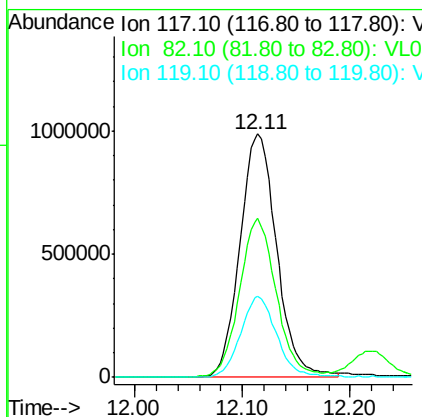
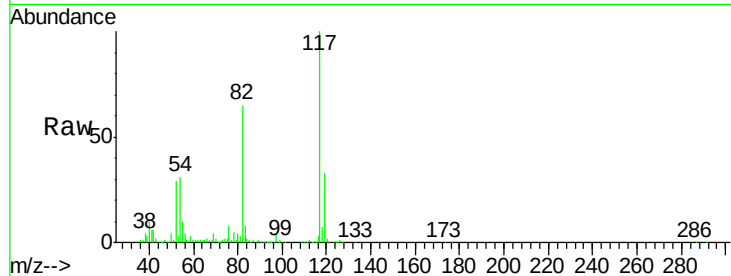
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.02 min
Lab File: VL036635.D
Acq: 1 Apr 2021 16:47

Instrument :
MSVOA_L
ClientSampled :
VIBLK

Tot Ion:117 Resp: 2344990
Ion Ratio Lower Upper
117 100
82 65.5 57.4 86.0
119 33.3 47.4 71.0#

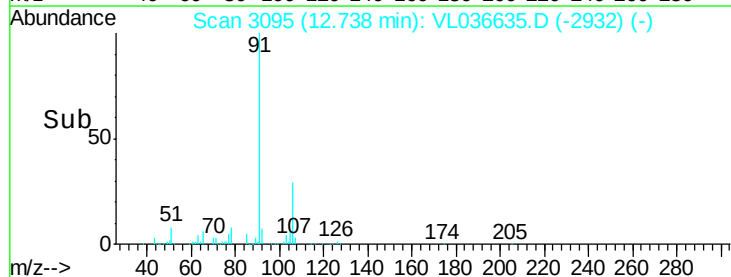
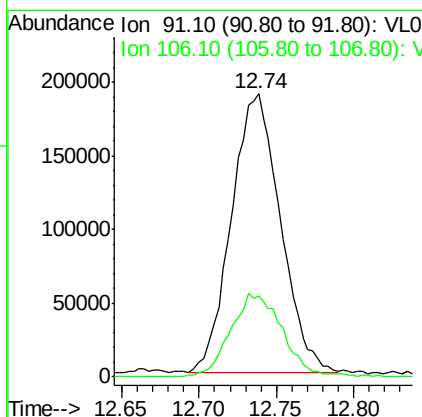
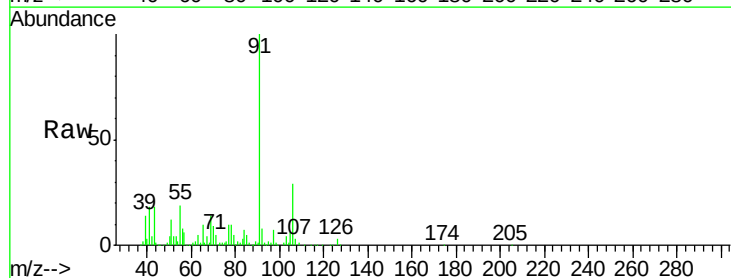
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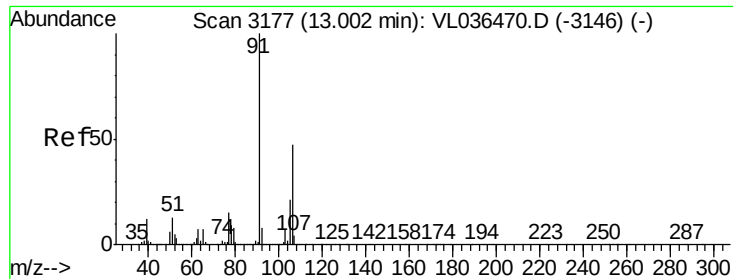
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#58
Ethyl Benzene
Concen: 1.222 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.02 min
Lab File: VL036635.D
Acq: 1 Apr 2021 16:47

Tgt Ion: 91 Resp: 416933
Ion Ratio Lower Upper
91 100
106 28.7 25.3 37.9





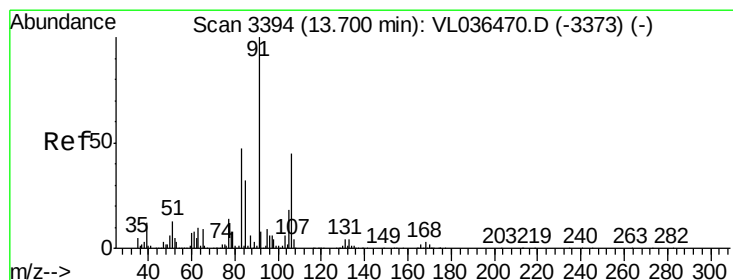
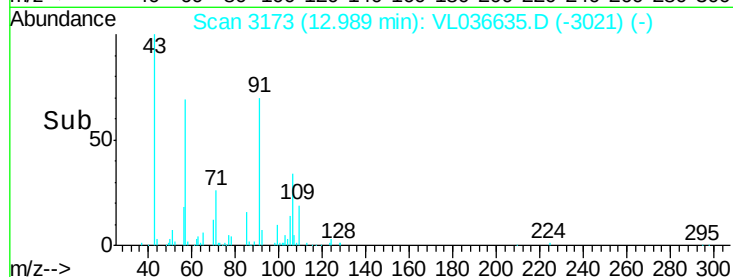
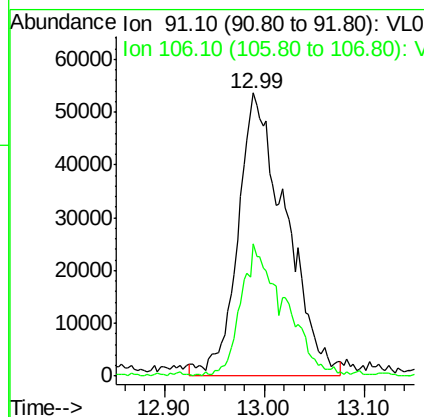
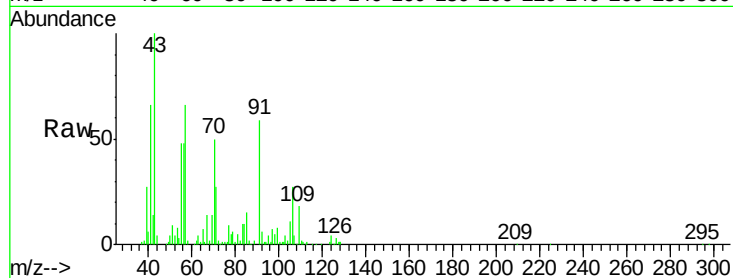
#59
m/p-Xylene
Concen: 0.599 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL036635.D
Acq: 1 Apr 2021 16:47

Instrument :
MSVOA_L
ClientSampled :
VIBLK

Tot Ion: 91 Resp: 178370
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

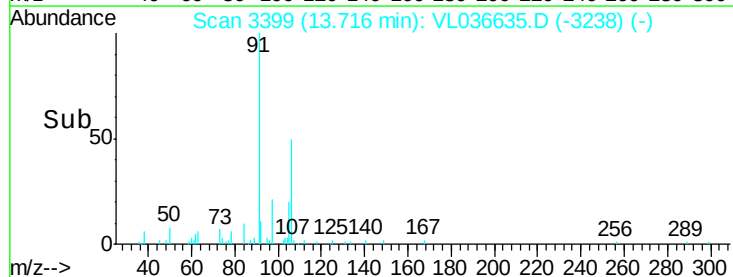
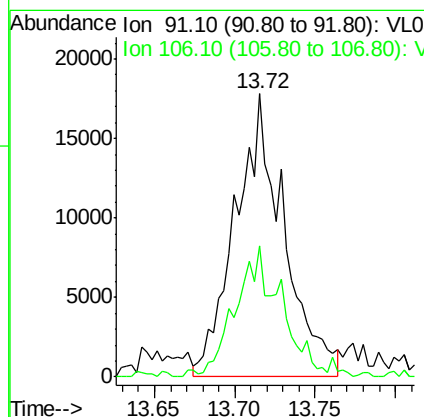
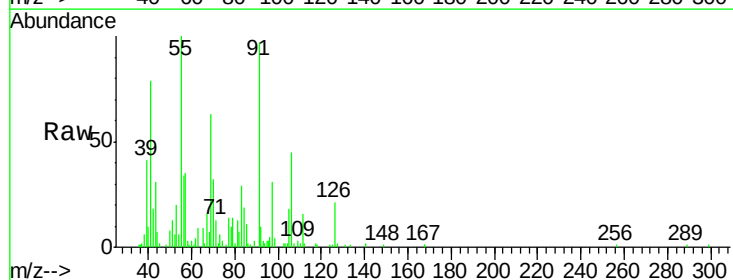
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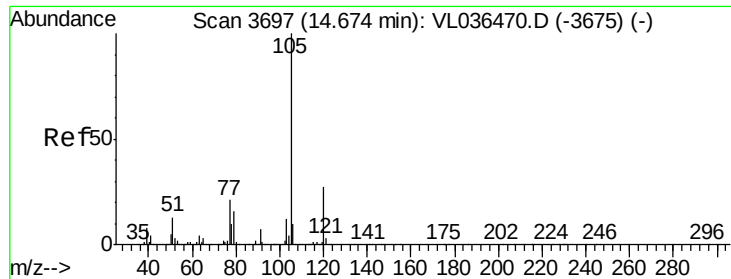
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#60
o-Xylene
Concen: 0.129 ppbv m
RT: 13.72 min Scan# 3399
Delta R.T. 0.02 min
Lab File: VL036635.D
Acq: 1 Apr 2021 16:47

Tgt Ion: 91 Resp: 37131
Ion Ratio Lower Upper
91 100
106 0.0 22.3 66.9#





#62

Isopropylbenzene

Concen: 0.398 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. 0.01 min

Lab File: VL036635.D

Acq: 1 Apr 2021 16:47

Instrument :

MSVOA_L

ClientSampled :

VIBLK

Tot Ion:105 Resp: 154293

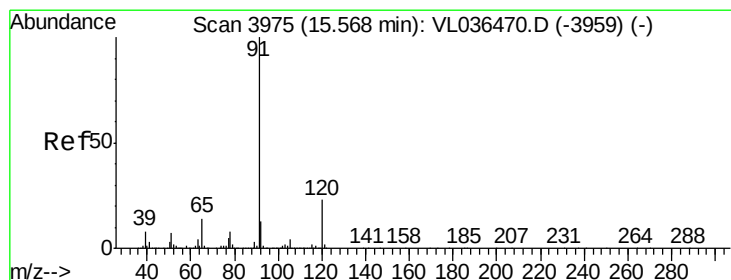
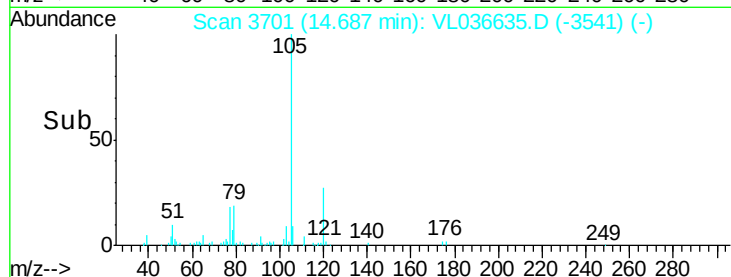
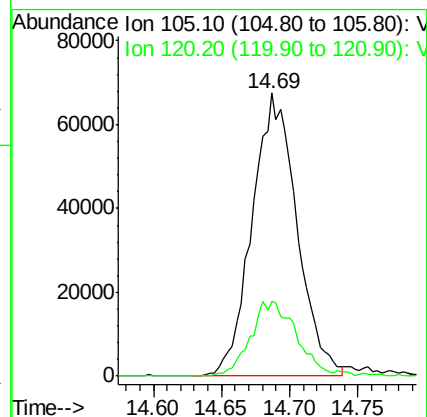
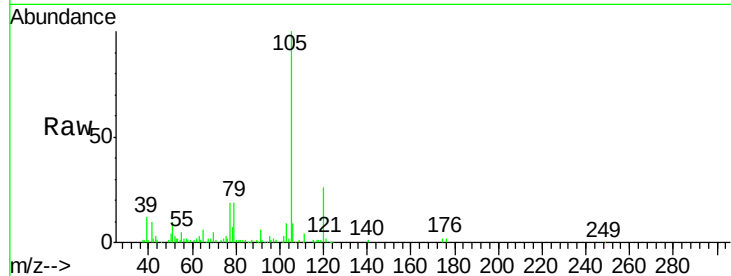
Ion Ratio Lower Upper

105 100

120 27.6 20.6 31.0

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#64

n-propylbenzene

Concen: 0.179 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.01 min

Lab File: VL036635.D

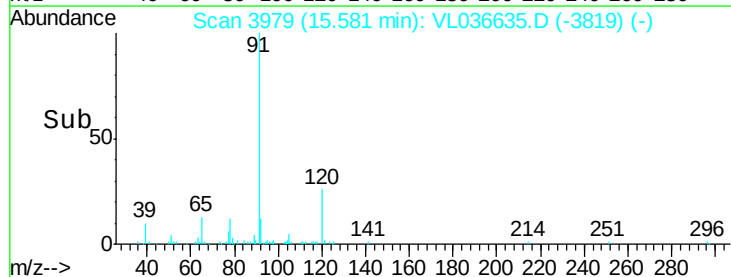
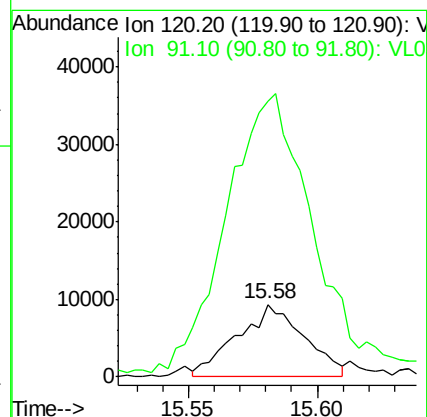
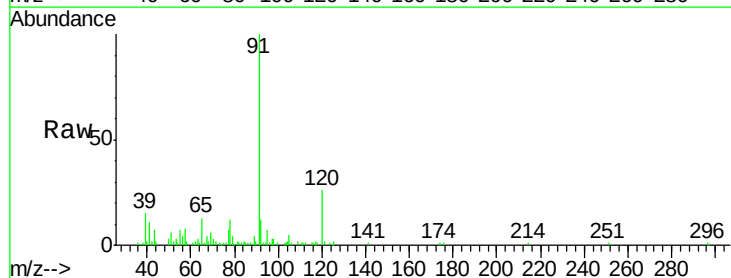
Acq: 1 Apr 2021 16:47

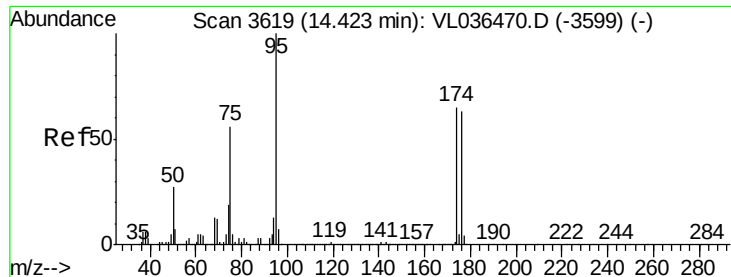
Tgt Ion:120 Resp: 16934

Ion Ratio Lower Upper

120 100

91 528.2 377.4 566.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.748 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.01 min
 Lab File: VL036635.D
 Acq: 1 Apr 2021 16:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.2	51.0	76.6
175	6.0	3.9	5.9

Manual Integrations
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