

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035451.D
 Acq On : 18 Aug 2020 21:06
 Operator : SY/AP
 Sample : L3725-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-01DL

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:22 AM

Quant Time: Aug 19 03:23:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 18 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1126943	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5141010	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5098716	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3659822	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	25200	0.444	ppbv	94
13) Ethanol	3.61	45	170539	8.196	ppbv	99
15) Acetone	3.86	43	237700	1.833	ppbv #	78
20) Methylene Chloride	4.35	84	36705	0.351	ppbv #	59
26) Hexane	5.70	57	14714	0.103	ppbv #	38
29) Chloroform	5.76	83	213973	0.748	ppbv	98
34) 2-Butanone	5.27	43	84954	0.495	ppbv #	67
38) Trichloroethene	7.85	130	8458m	0.040	ppbv	
53) Toluene	9.83	91	48590	0.100	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	86383	0.129	ppbv #	65

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

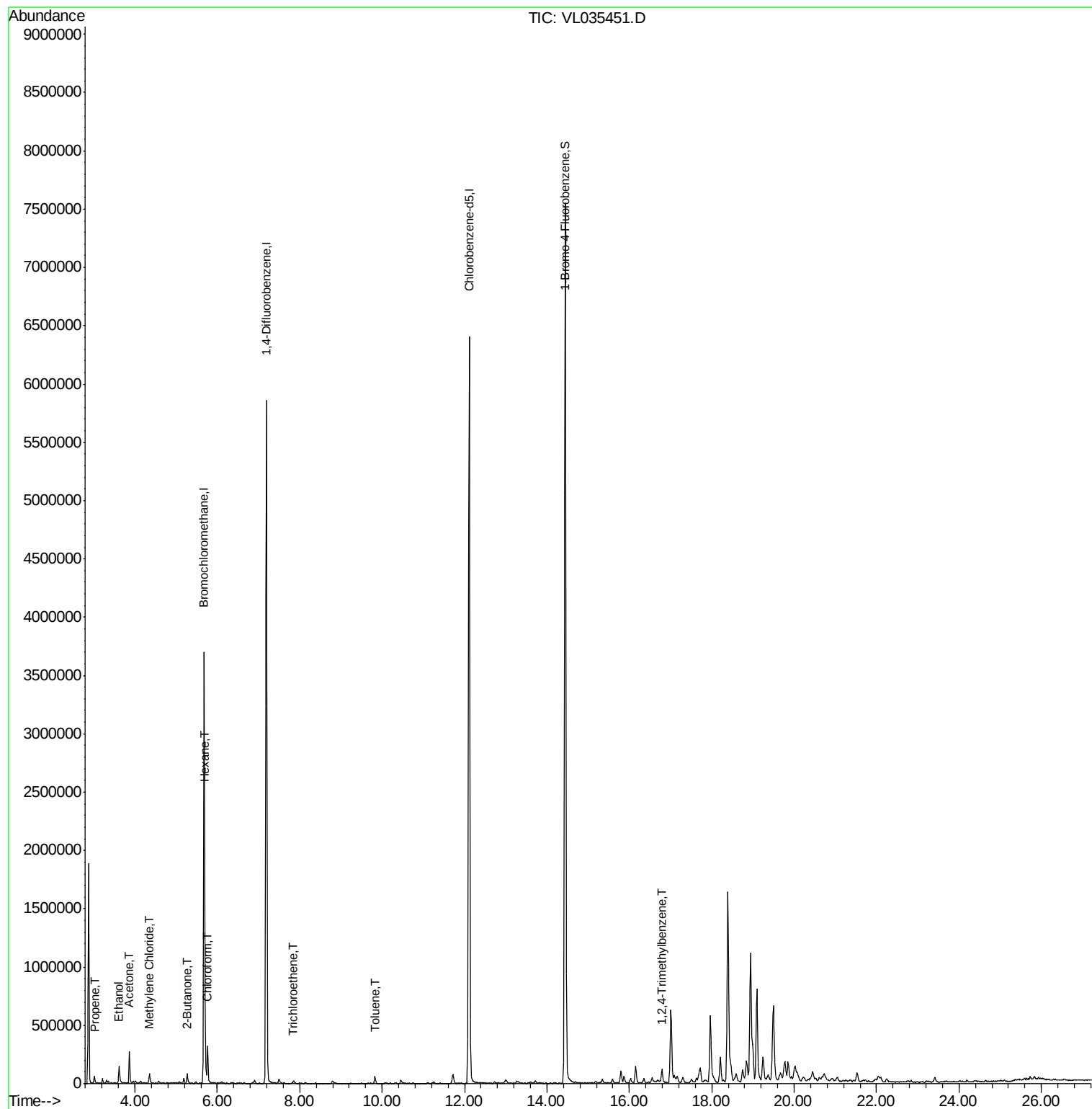
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081820\
Data File : VL035451.D
Acq On : 18 Aug 2020 21:06
Operator : SY/AP
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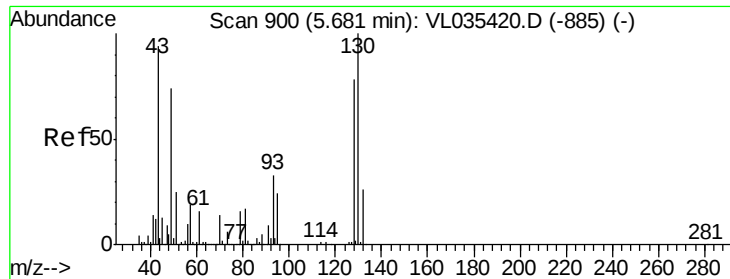
Instrument :
MSVOA_L
ClientSampleId :
SS-01DL

Manual Integrations
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Quant Time: Aug 19 03:23:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035451.D

Acq: 18 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

SS-01DL

Tot Ion: 49 Resp: 1126943

Ion Ratio Lower Upper

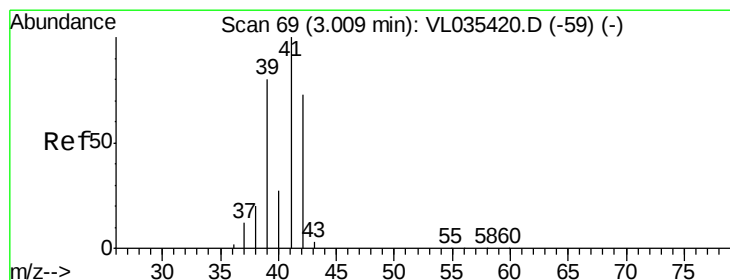
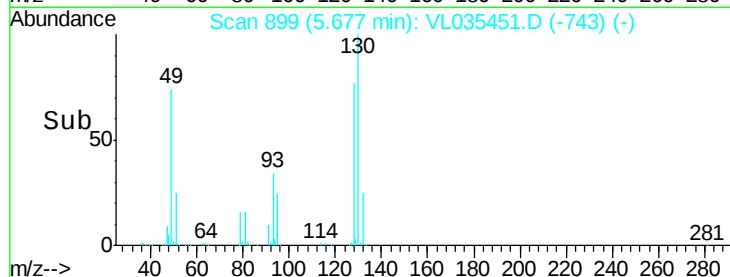
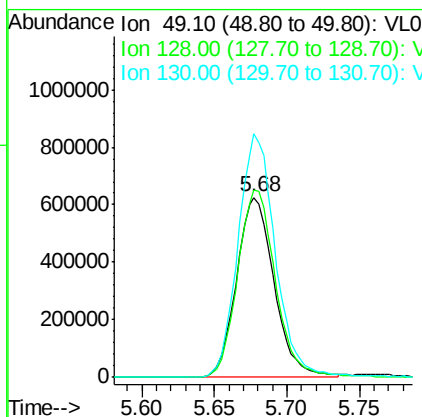
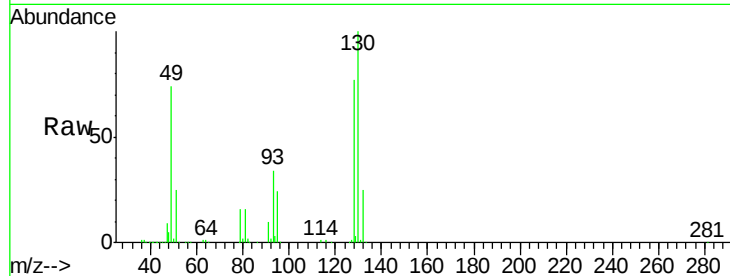
49 100

128 105.9 20.9 62.7#

130 135.9 26.7 80.1#

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#9

Propene

Concen: 0.444 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035451.D

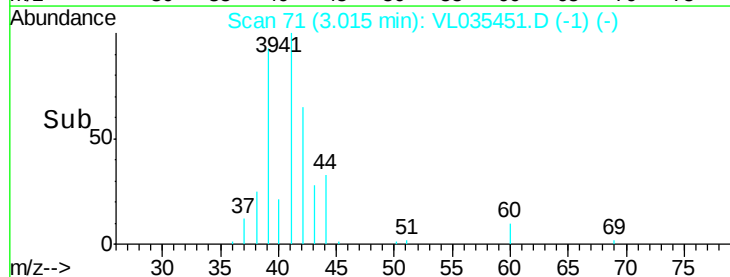
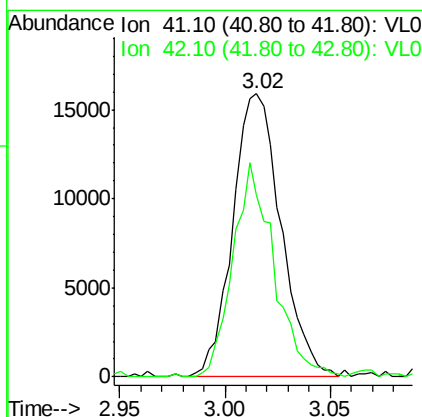
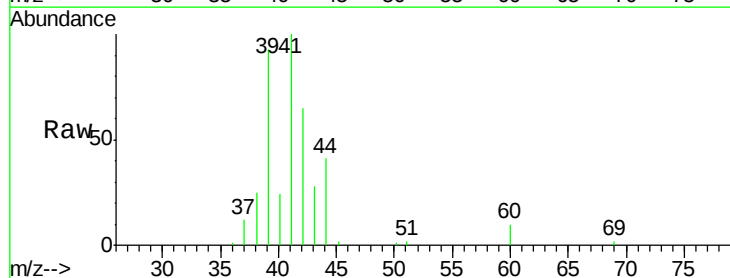
Acq: 18 Aug 2020 21:06

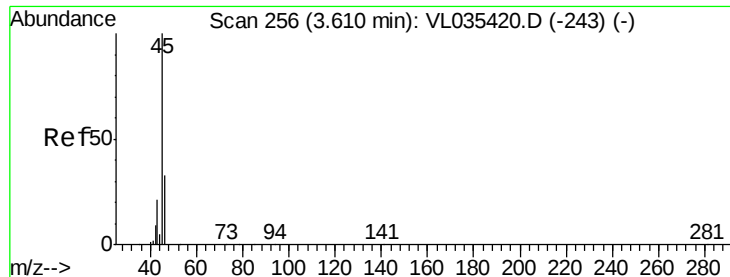
Tgt Ion: 41 Resp: 25200

Ion Ratio Lower Upper

41 100

42 64.7 55.5 83.3





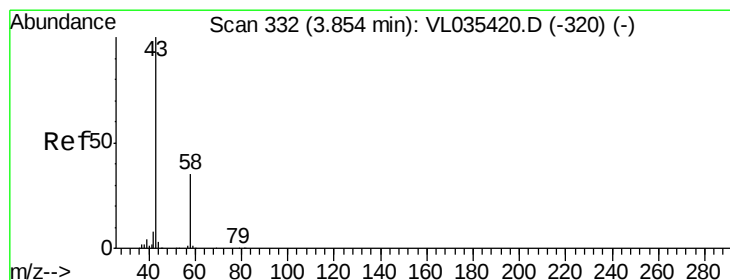
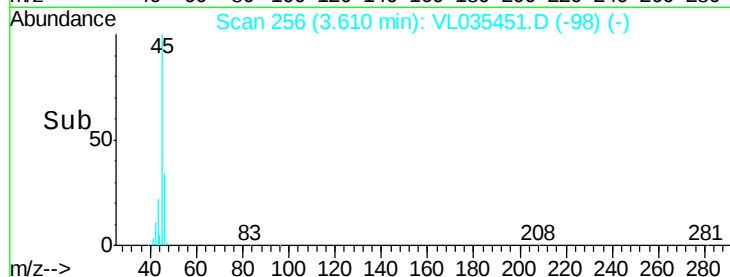
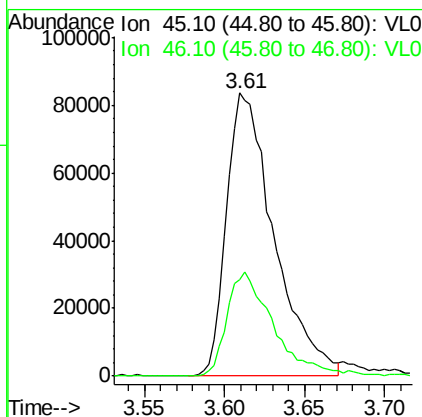
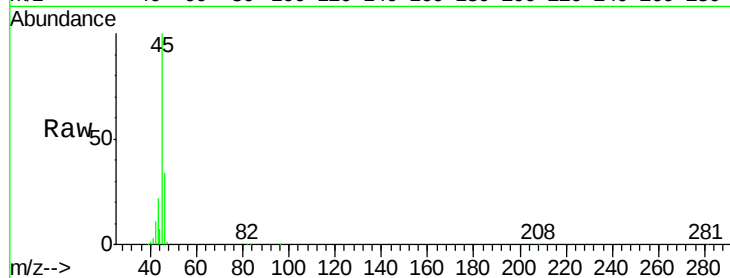
#13
Ethanol
Concen: 8.196 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035451.D
Acq: 18 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
SS-01DL

Tot Ion	45	46	Ratio	Lower	Upper
170539	100	36.1		14.2	56.6

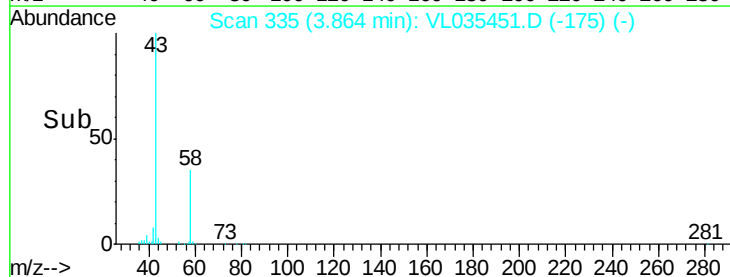
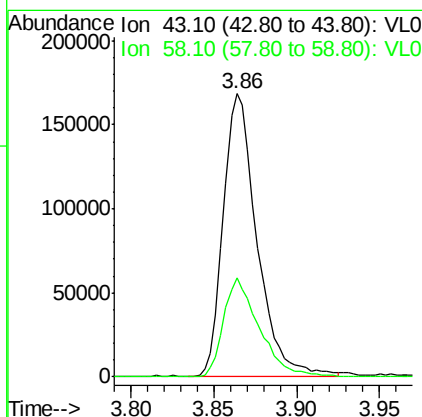
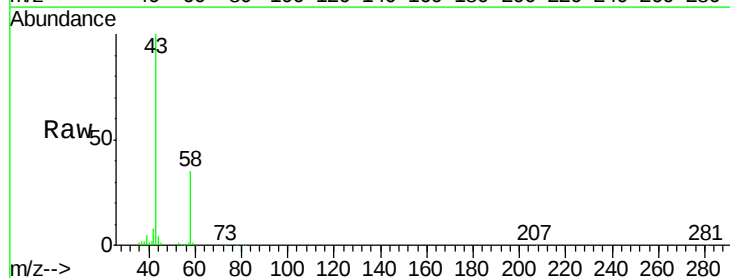
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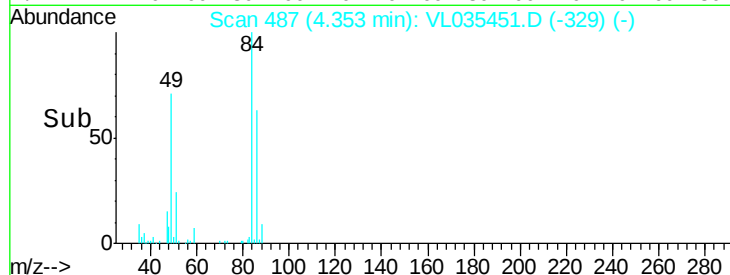
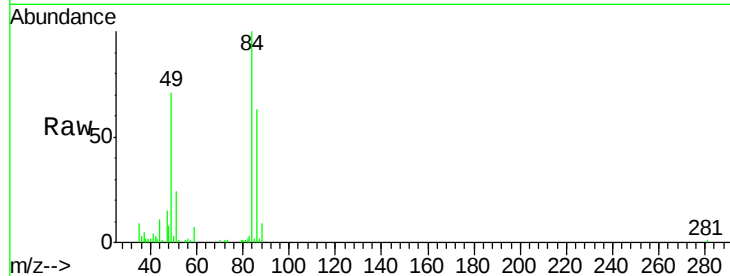
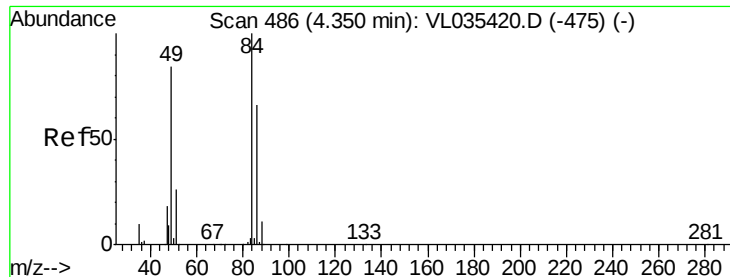
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#15
Acetone
Concen: 1.833 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL035451.D
Acq: 18 Aug 2020 21:06

Tgt Ion	43	58	Ratio	Lower	Upper
237700	100	37.4		21.0	31.6#





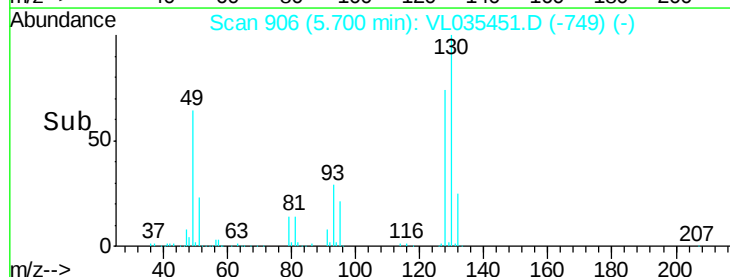
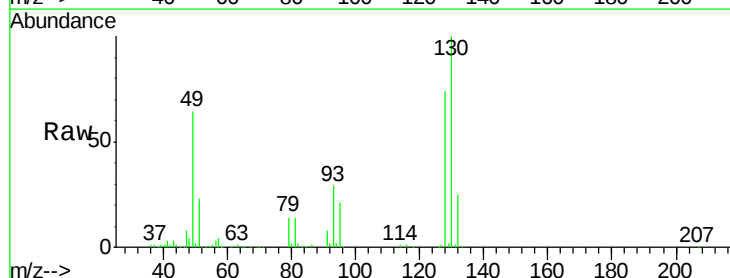
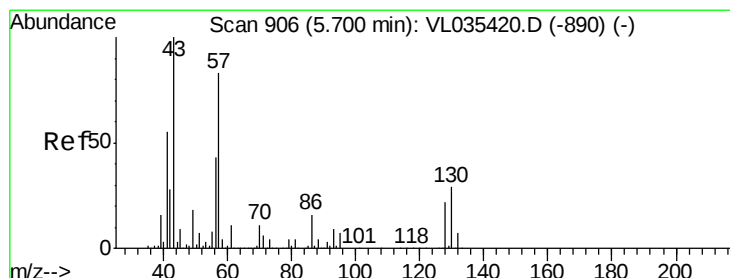
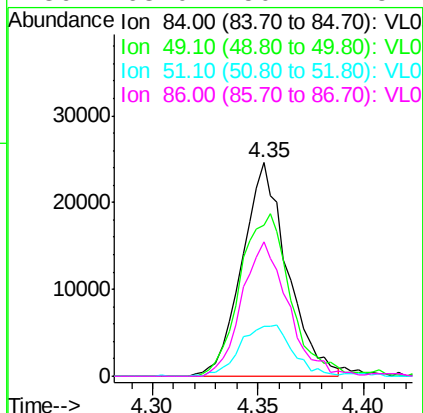
#20
Methvlene Chloride
Concen: 0.351 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL035451.D
Acq: 18 Aug 2020 21:06

Tot Ion	Ratio	Lower	Upper
84	100		
49	70.9	118.6	177.8#
51	23.6	36.4	54.6#
86	63.0	50.2	75.4

Instrument :
MSVOA_L
ClientSampleId :
SS-01DL

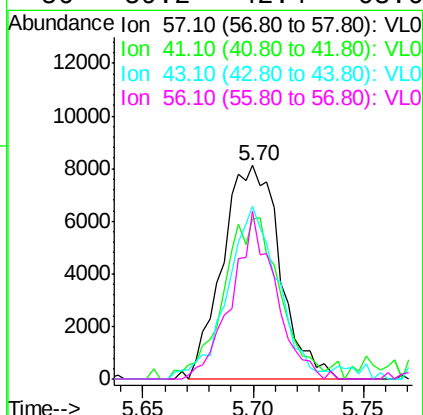
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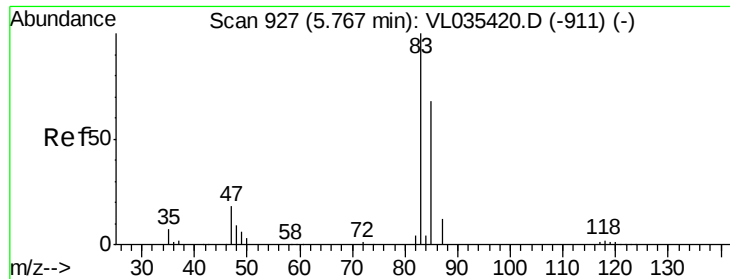
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#26
Hexane
Concen: 0.103 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL035451.D
Acq: 18 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
57	100		
41	76.9	75.5	113.3
43	74.1	181.7	272.5#
56	59.2	42.4	63.6





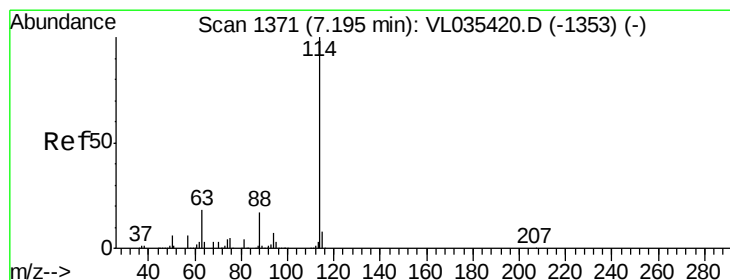
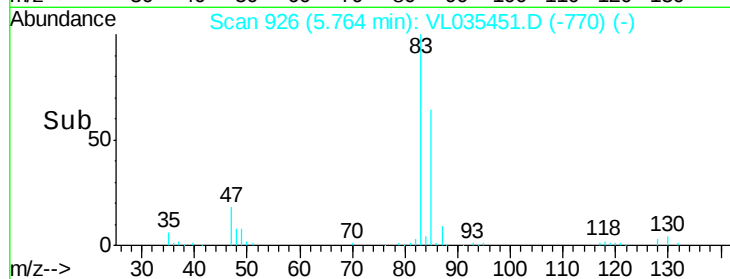
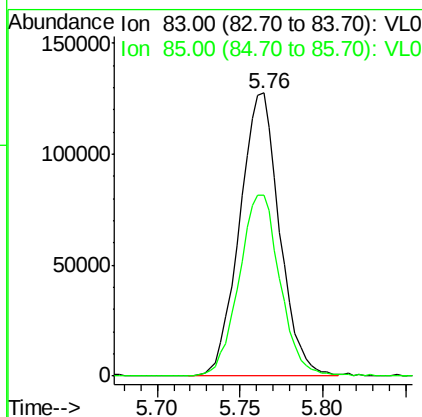
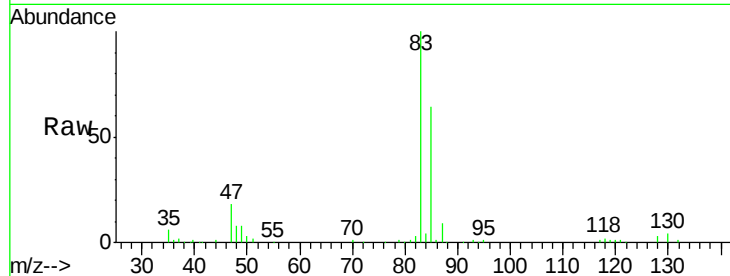
#29
Chloroform
Concen: 0.748 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL035451.D
Acq: 18 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
SS-01DL

Tot Ion: 83 Resp: 213973
Ion Ratio Lower Upper
83 100
85 64.0 52.7 79.1

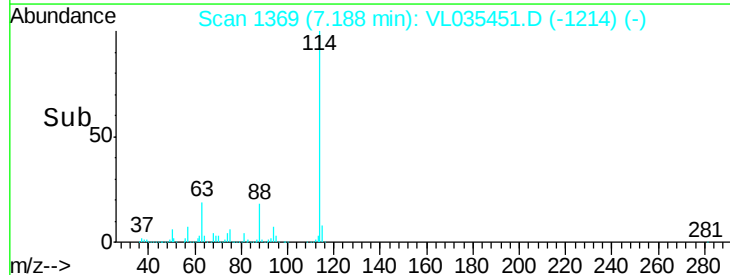
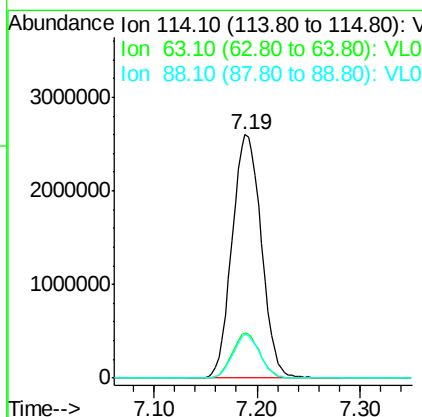
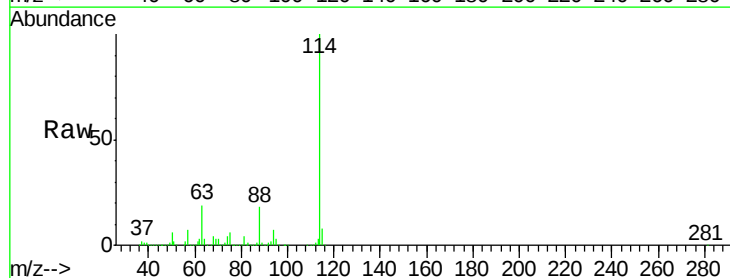
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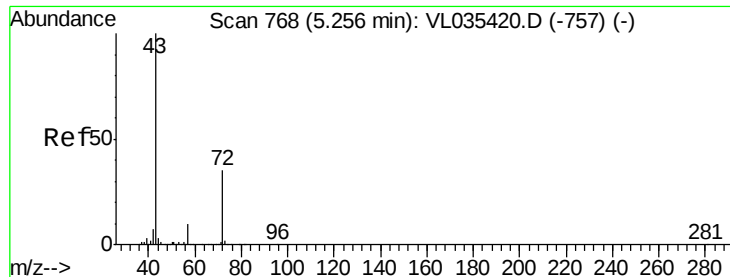
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VL035451.D
Acq: 18 Aug 2020 21:06

Tgt Ion: 114 Resp: 5141010
Ion Ratio Lower Upper
114 100
63 17.6 23.1 34.7#
88 16.6 15.9 23.9





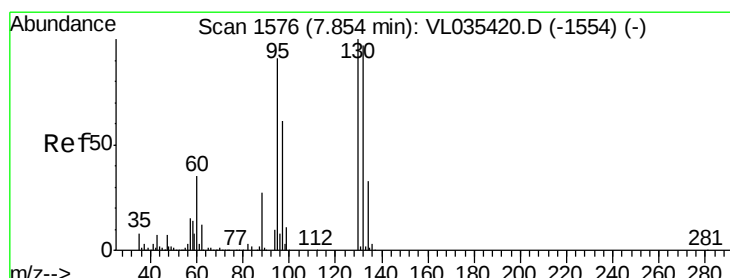
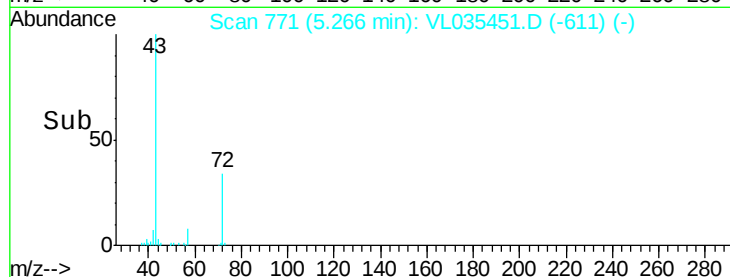
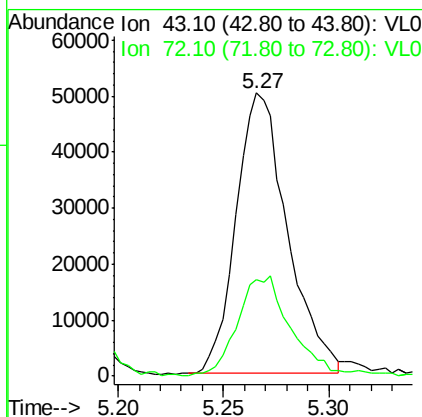
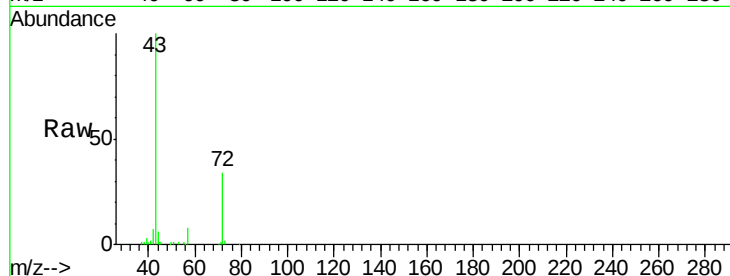
#34
2-Butanone
Concen: 0.495 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.02 min
Lab File: VL035451.D
Acq: 18 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampled :
SS-01DL

Tot Ion: 43 Resp: 84954
Ion Ratio Lower Upper
43 100
72 37.8 17.6 26.4#

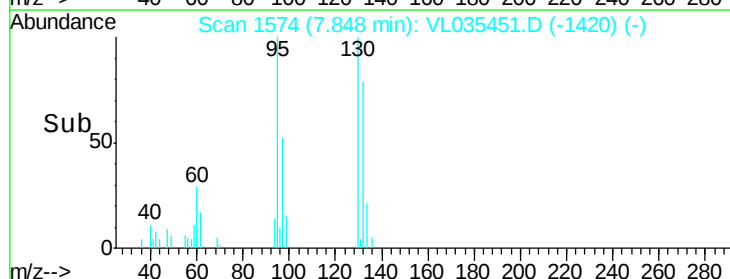
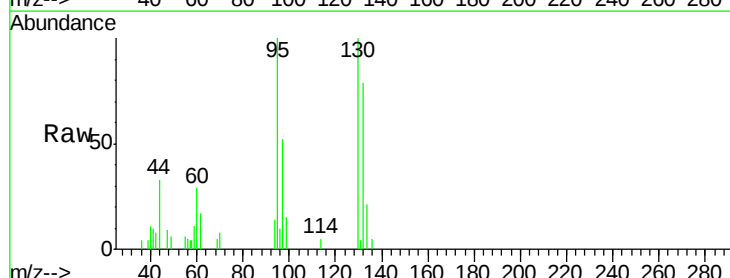
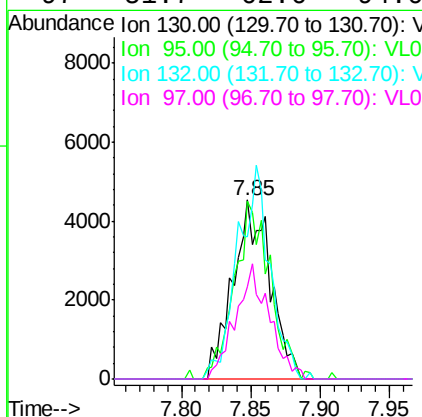
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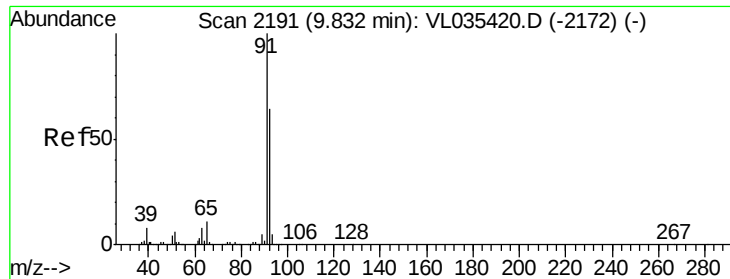
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#38
Trichloroethene
Concen: 0.040 ppbv m
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL035451.D
Acq: 18 Aug 2020 21:06

Tgt Ion:130 Resp: 8458
Ion Ratio Lower Upper
130 100
95 99.7 95.8 143.8
132 79.3 74.3 111.5
97 51.7 62.6 94.0#





#53

Toluene

Concen: 0.100 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035451.D

Acq: 18 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampled :

SS-01DL

Tot Ion: 91 Resp: 48590

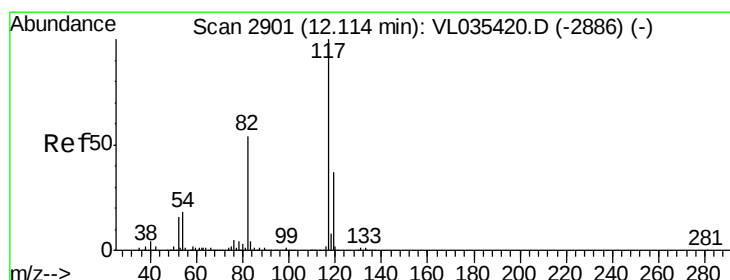
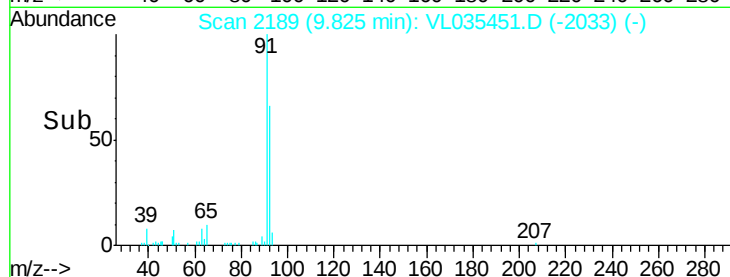
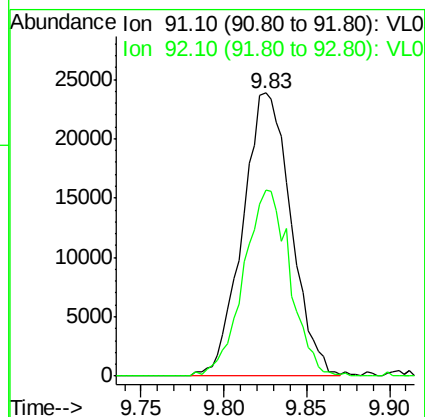
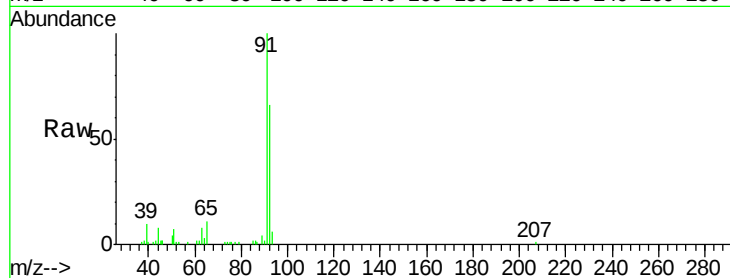
Ion Ratio Lower Upper

91 100

92 63.0 49.1 73.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035451.D

Acq: 18 Aug 2020 21:06

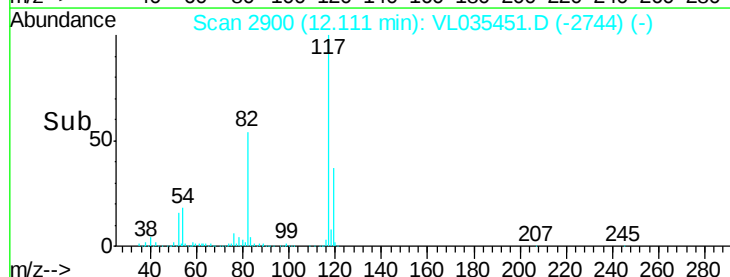
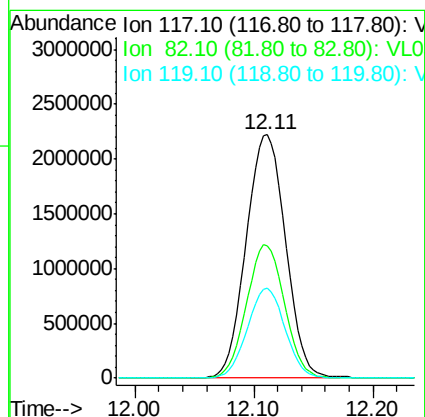
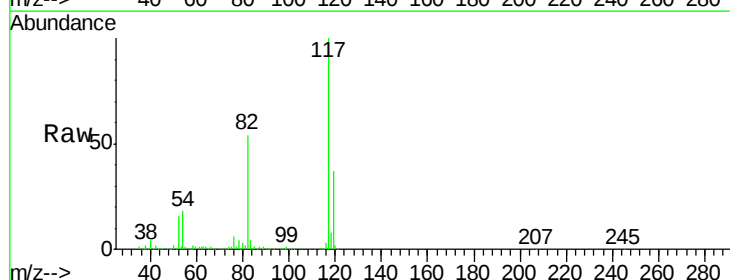
Tgt Ion: 117 Resp: 5098716

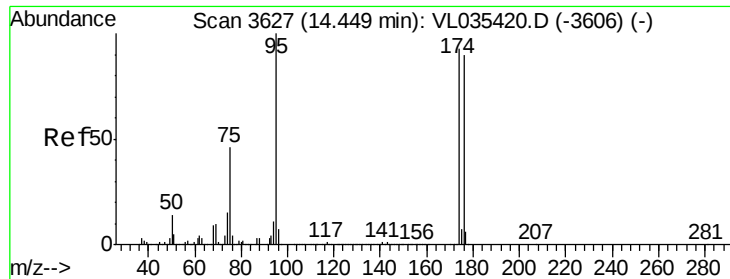
Ion Ratio Lower Upper

117 100

82 53.3 57.4 86.0#

119 35.5 28.4 42.6





#68

1-Bromo-4-Fluorobenzene

Concen: 10.253 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL035451.D

Acq: 18 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampled :

SS-01DL

Tot Ion: 95 Resp: 3659822

Ion Ratio Lower Upper

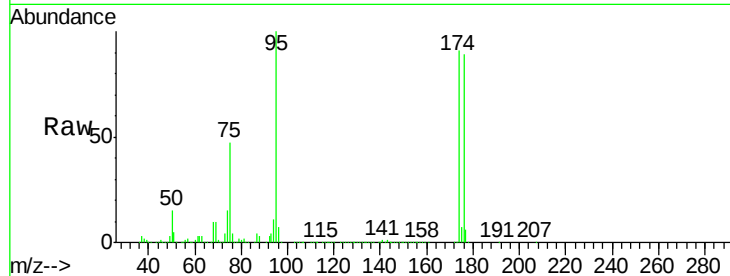
95 100

174 93.4 44.0 66.0#

175 6.8 3.2 4.8#

Manual Integrations
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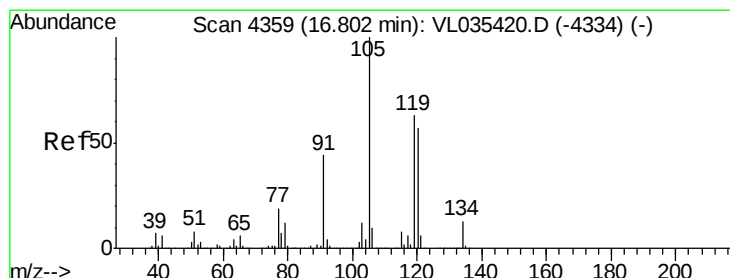
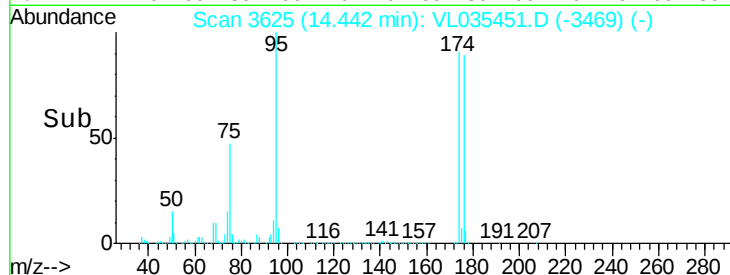
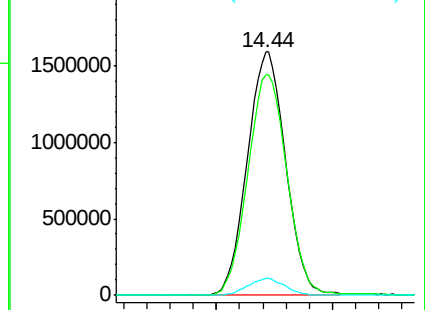
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Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#74

1,2,4-Trimethylbenzene

Concen: 0.129 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL035451.D

Acq: 18 Aug 2020 21:06

Tgt Ion:105 Resp: 86383

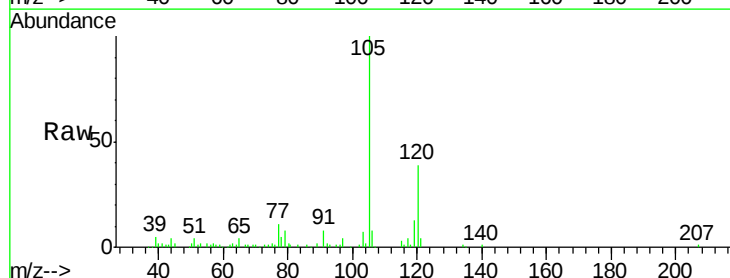
Ion Ratio Lower Upper

105 100

120 39.0 37.8 56.8

91 8.2 40.0 60.0#

77 11.1 18.8 28.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

