

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036086.D
 Acq On : 8 Dec 2020 5:03
 Operator : SY/AP
 Sample : L4948-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5BDL

Manual Integrations
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MMDadoda
 12/10/2020 9:53:54 AM

Quant Time: Dec 08 10:03:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1292327	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2770974	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2512195	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2107467	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	64306	0.871	ppbv	93
10) Heptane	8.14	43	43917m	0.233	ppbv	
13) Ethanol	3.61	45	317781	31.209	ppbv	90
15) Acetone	3.86	43	288565m	1.858	ppbv	
20) Methylene Chloride	4.36	84	65938m	1.036	ppbv	
26) Hexane	5.70	57	94319	0.675	ppbv #	42
30) Cyclohexane	7.15	84	78696m	0.767	ppbv	
36) Benzene	6.91	78	27765m	0.118	ppbv	
44) 2,2,4-Trimethylpentane	7.89	57	68004m	0.160	ppbv	
53) Toluene	9.83	91	151963	0.576	ppbv	97
58) Ethyl Benzene	12.73	91	79377m	0.231	ppbv	
59) m/p-Xylene	13.00	91	299025m	1.031	ppbv	
60) o-Xylene	13.72	91	115504	0.423	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	44064m	0.155	ppbv	

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

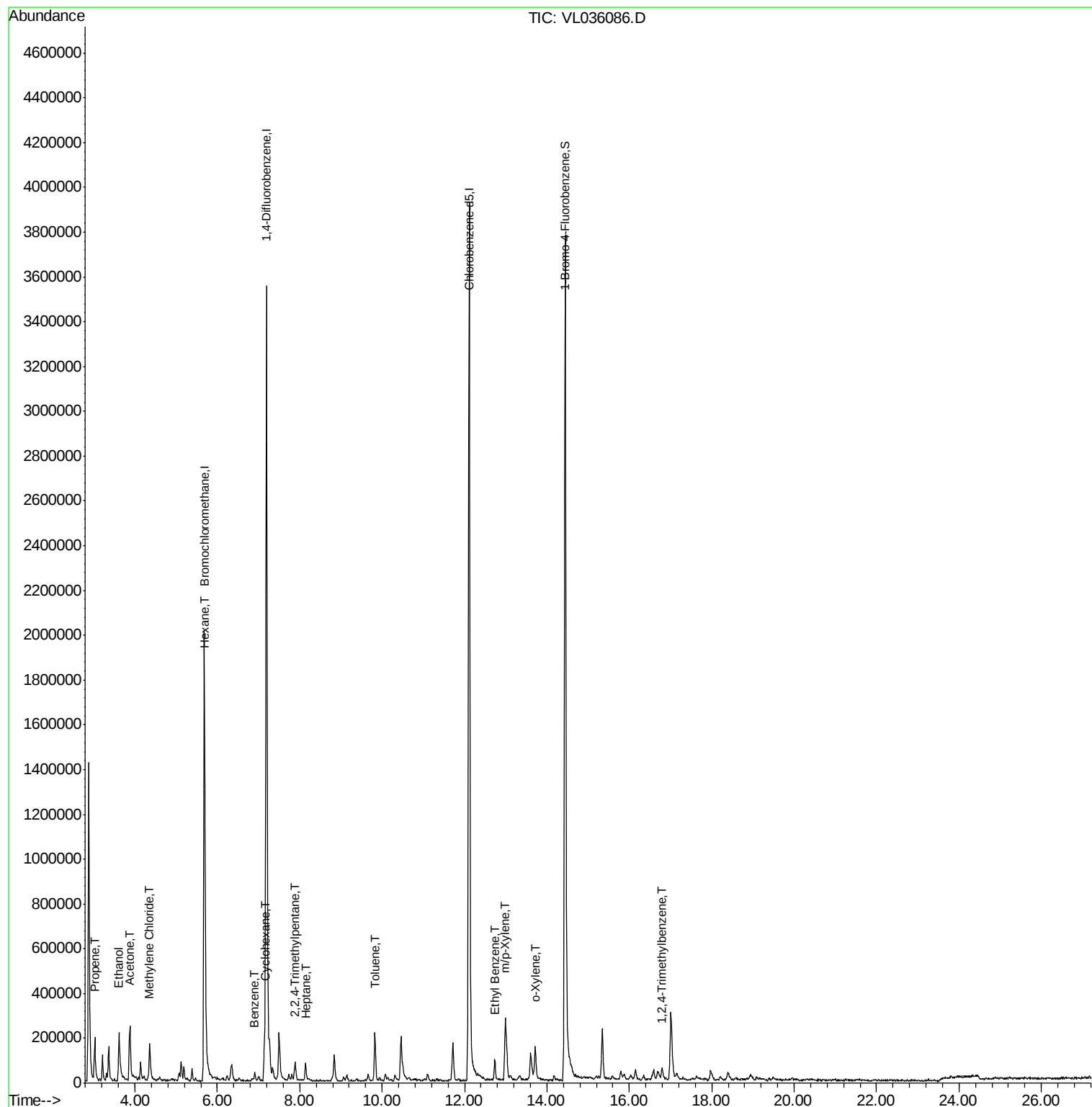
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120720\
Data File : VL036086.D
Acq On : 8 Dec 2020 5:03
Operator : SY/AP
Sample : L4948-04DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

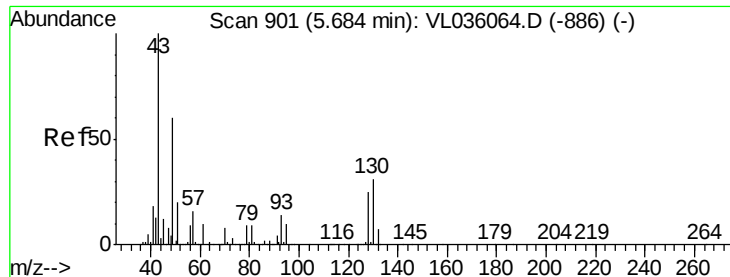
Instrument :
MSVOA_L
ClientSampleId :
IA-5BDL

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Quant Time: Dec 08 10:03:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036086.D

Acq: 8 Dec 2020 5:03

Instrument :

MSVOA_L

ClientSampleId :

IA-5BDL

Tot Ion: 49 Resp: 1292327

Ion Ratio Lower Upper

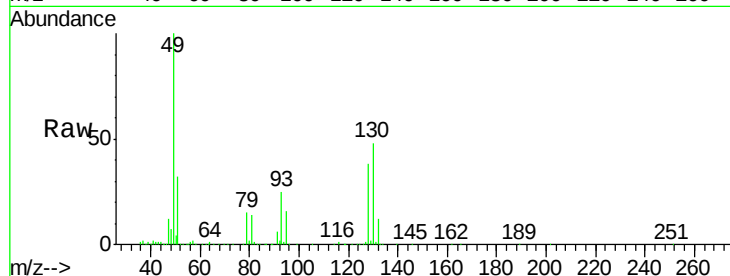
49 100

128 38.3 21.1 63.1

130 49.1 27.1 81.3

Manual Integrations
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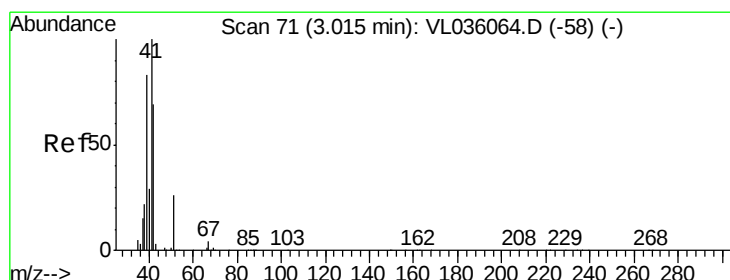
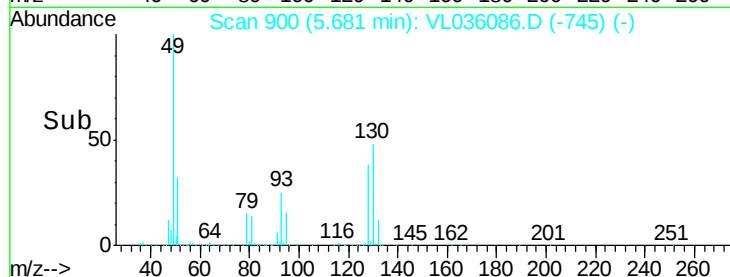
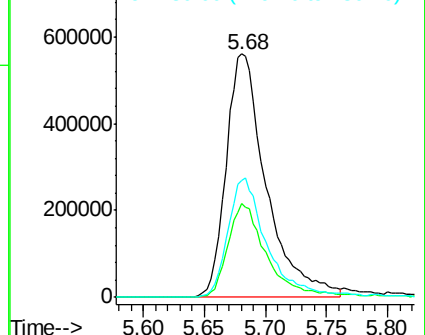
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.871 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL036086.D

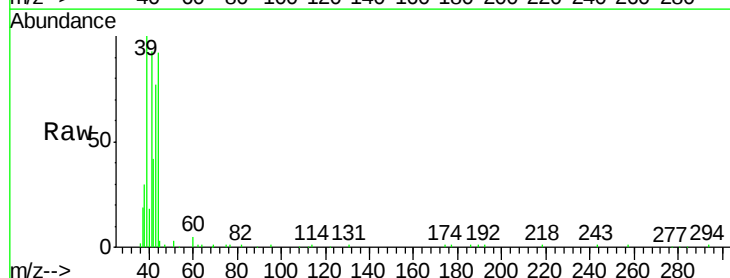
Acq: 8 Dec 2020 5:03

Tgt Ion: 41 Resp: 64306

Ion Ratio Lower Upper

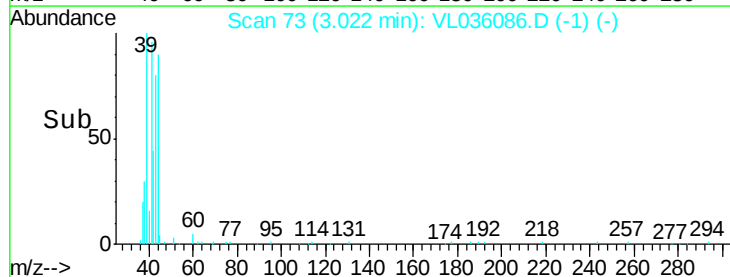
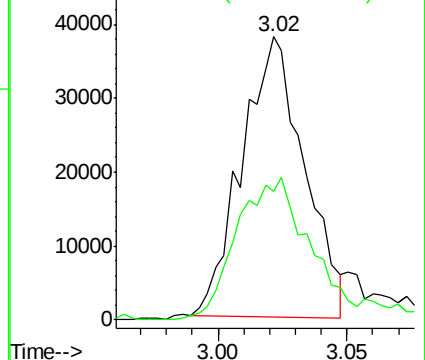
41 100

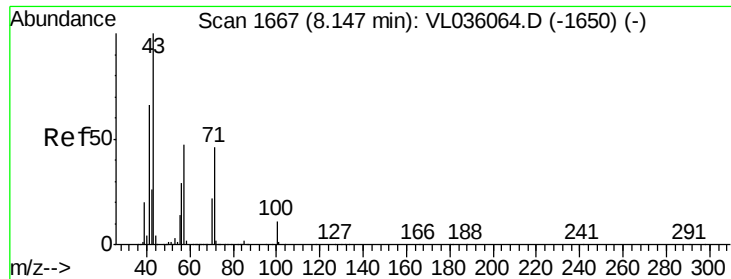
42 65.1 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





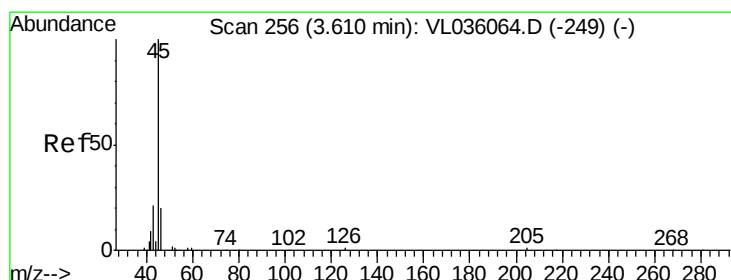
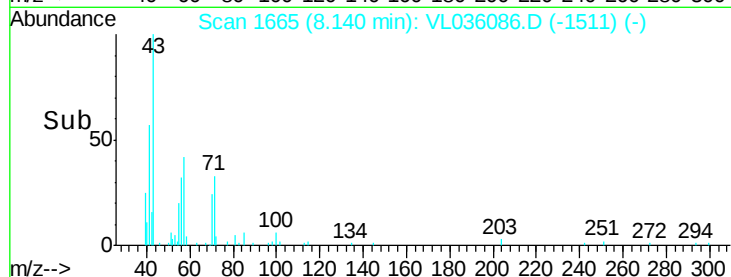
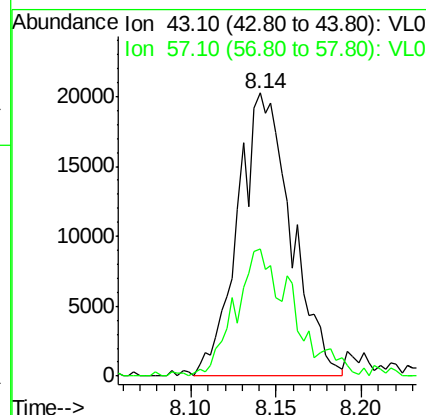
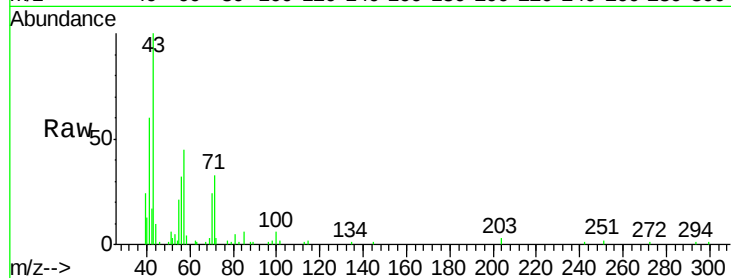
#10
Heptane
Concen: 0.233 ppbv m
RT: 8.14 min Scan# 1665
Delta R.T. -0.01 min
Lab File: VL036086.D
Acq: 8 Dec 2020 5:03

Instrument :
MSVOA_L
ClientSampled :
IA-5BDL

Tot Ion: 43 Resp: 43917
Ion Ratio Lower Upper
43 100
57 50.3 37.9 56.9

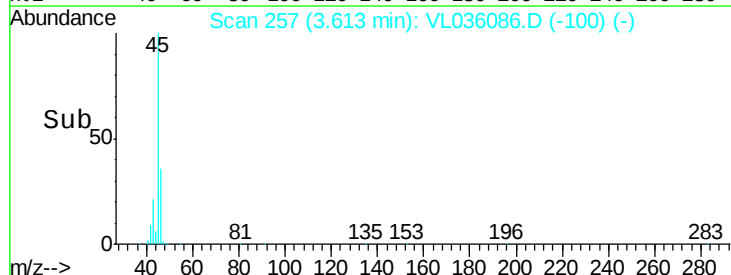
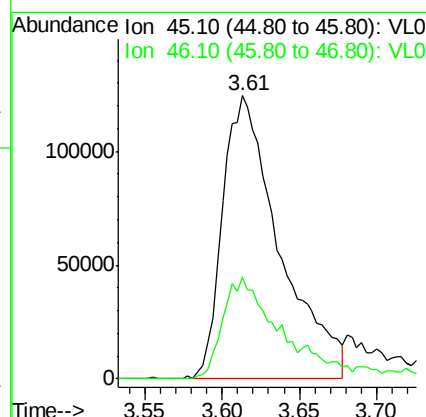
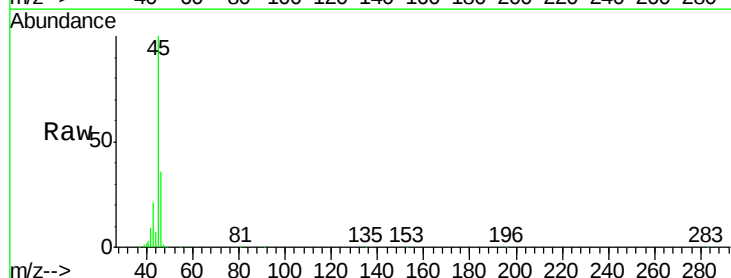
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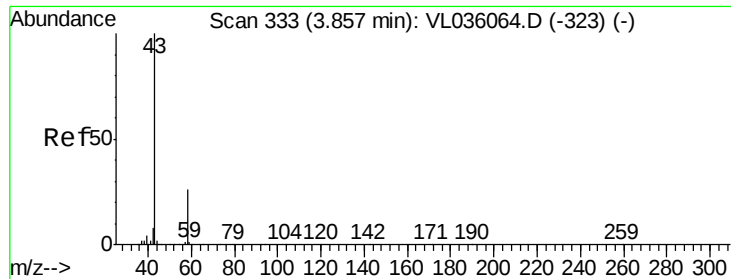
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#13
Ethanol
Concen: 31.209 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL036086.D
Acq: 8 Dec 2020 5:03

Tgt Ion: 45 Resp: 317781
Ion Ratio Lower Upper
45 100
46 40.4 19.0 75.8





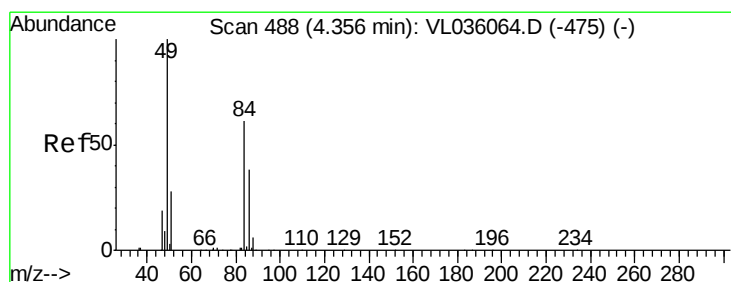
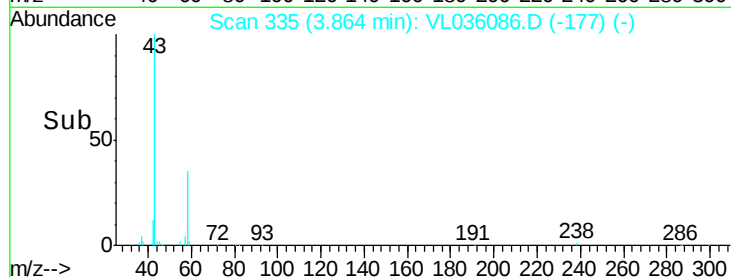
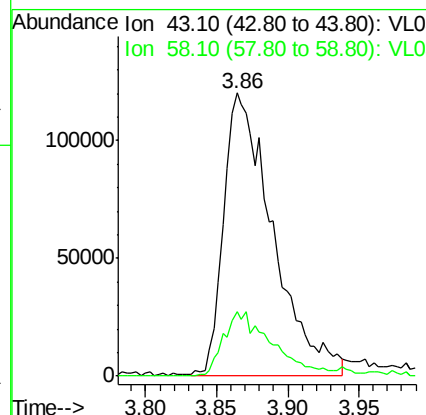
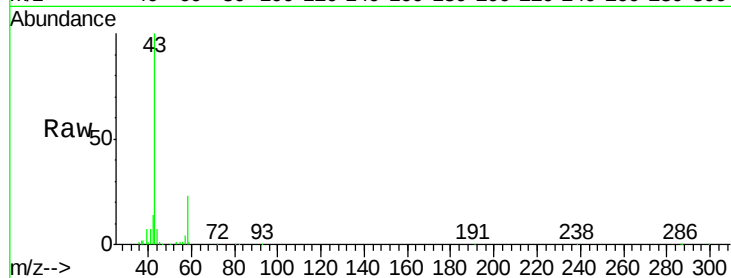
#15
Acetone
Concen: 1.858 ppbv m
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL036086.D
Acq: 8 Dec 2020 5:03

Instrument :
MSVOA_L
ClientSampled :
IA-5BDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	23.6	20.9	31.3

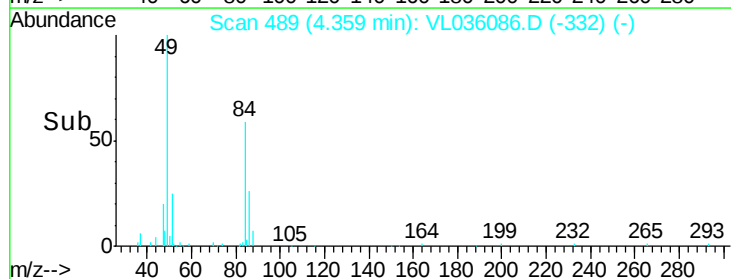
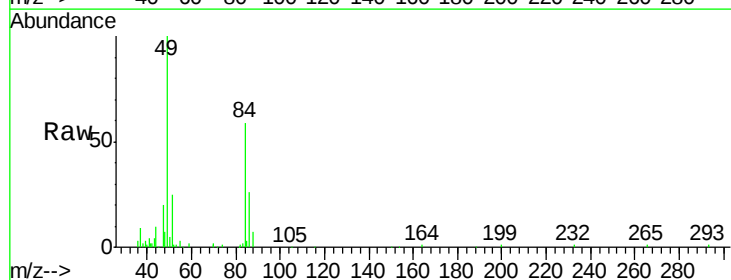
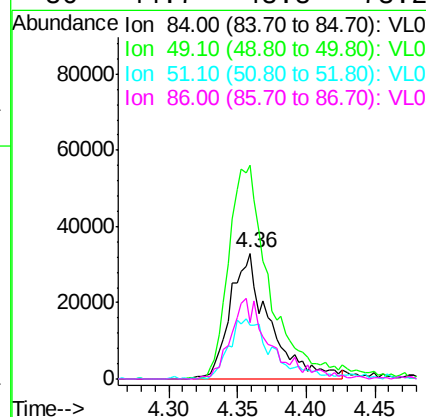
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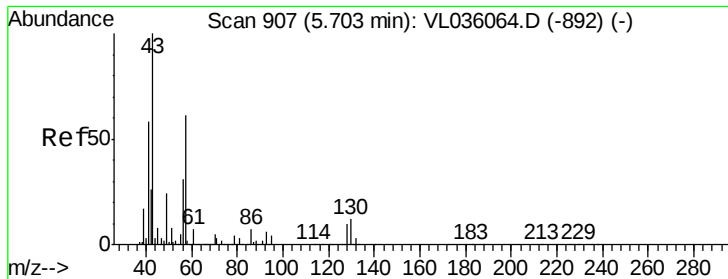
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#20
Methylene Chloride
Concen: 1.036 ppbv m
RT: 4.36 min Scan# 489
Delta R.T. 0.00 min
Lab File: VL036086.D
Acq: 8 Dec 2020 5:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	169.9	133.0	199.4
51	42.9	38.9	58.3
86	44.7	48.8	73.2#





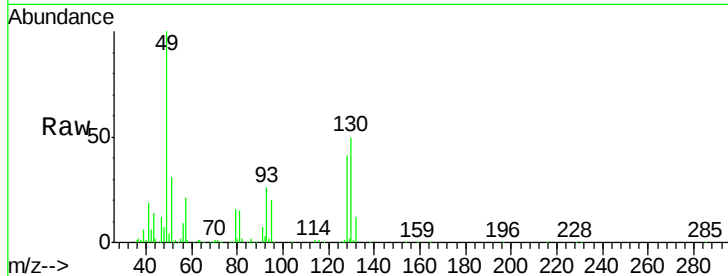
#26
Hexane
Concen: 0.675 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL036086.D
Acq: 8 Dec 2020 5:03

Instrument :
MSVOA_L
ClientSampleId :
IA-5BDL

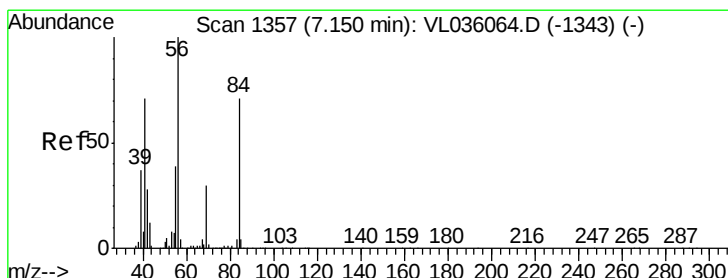
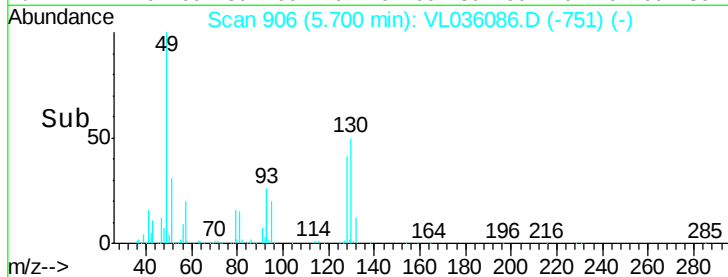
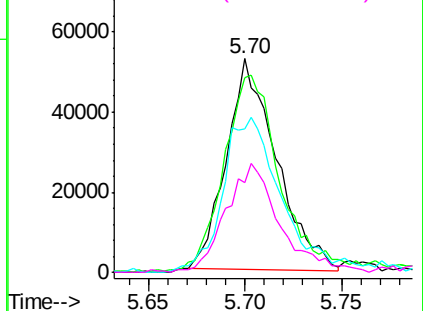
Tot Ion:	57	Resp:	94319
Ion	Ratio	Lower	Upper
57	100		
41	108.4	82.9	124.3
43	91.0	199.9	299.9#
56	56.8	43.1	64.7

Manual Integrations
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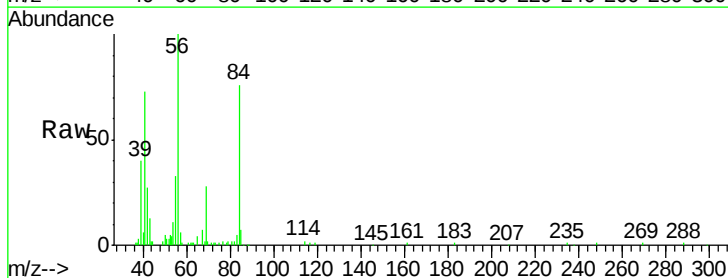


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

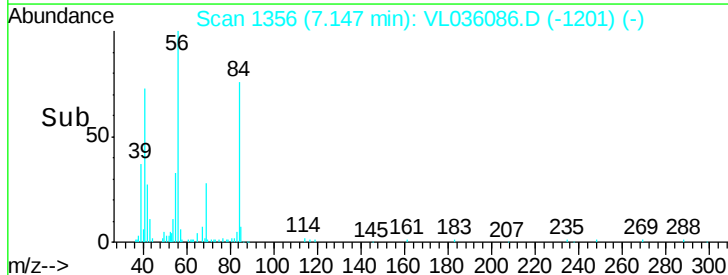
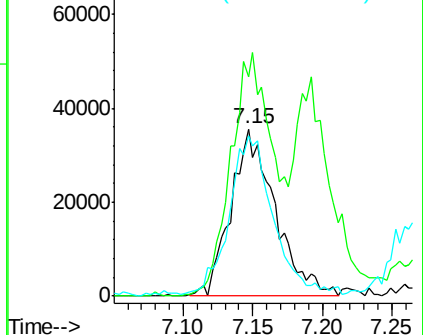


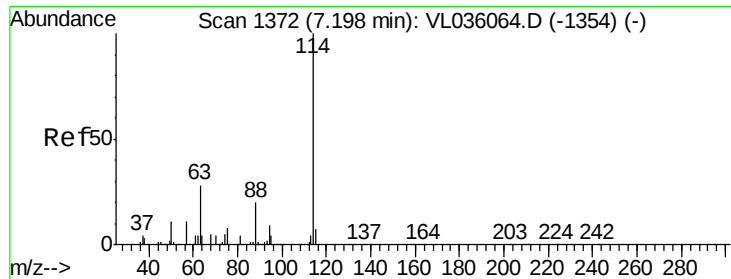
#30
Cyclohexane
Concen: 0.767 ppbv m
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL036086.D
Acq: 8 Dec 2020 5:03

Tgt Ion:	84	Resp:	78696
Ion	Ratio	Lower	Upper
84	100		
56	141.0	128.0	192.0
41	95.6	81.3	121.9



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





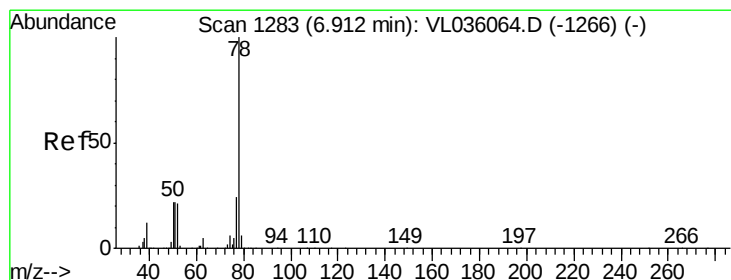
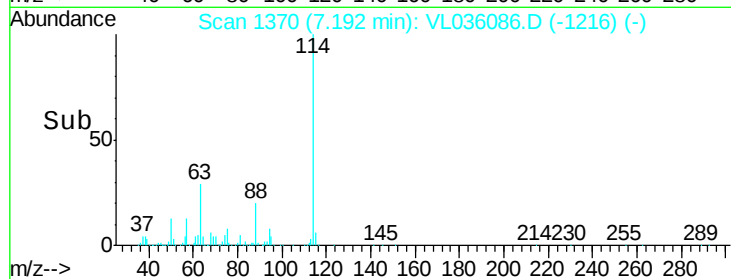
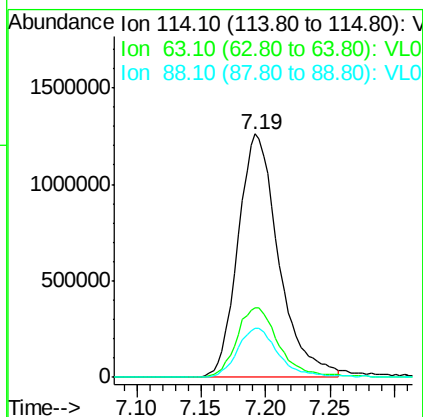
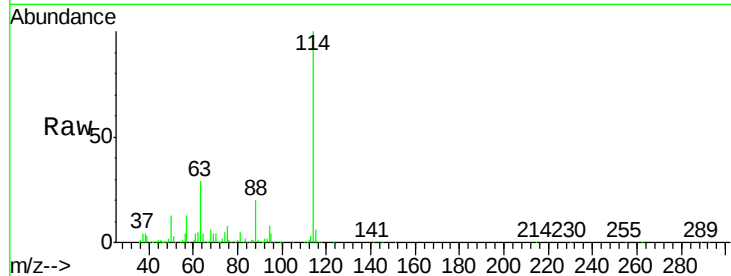
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: VL036086.D
 Acq: 8 Dec 2020 5:03

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5BDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.3	23.6	35.4
88	20.7	15.8	23.6

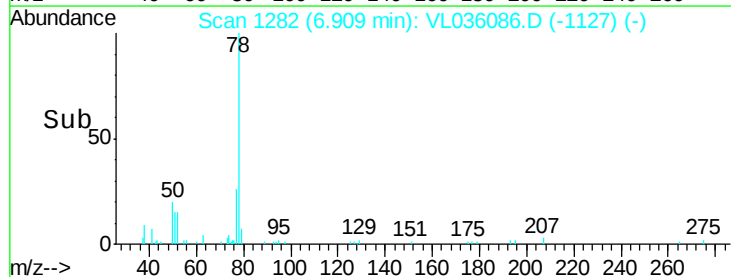
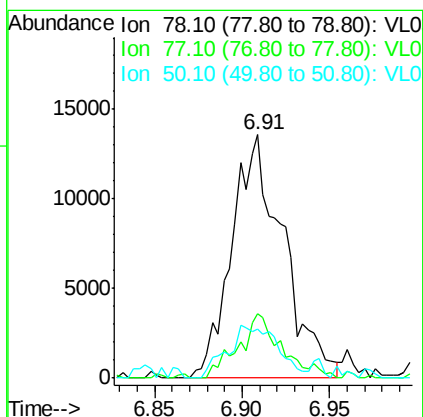
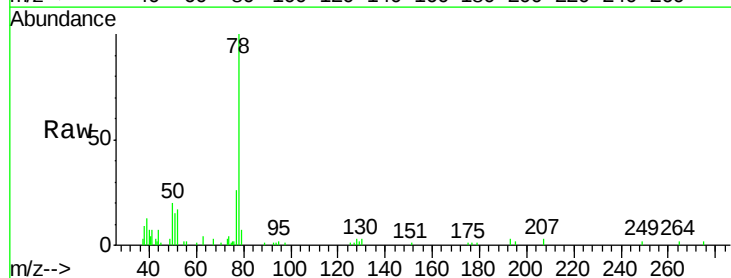
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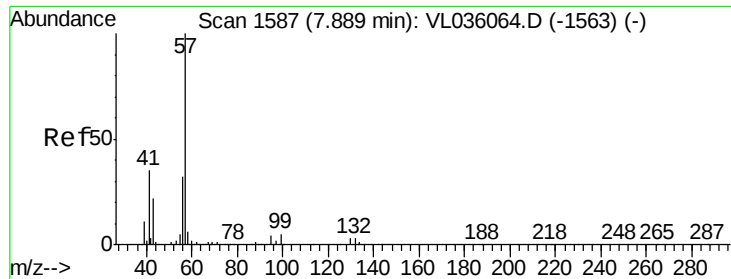
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#36
 Benzene
 Concen: 0.118 ppbv m
 RT: 6.91 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VL036086.D
 Acq: 8 Dec 2020 5:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.4	19.4	29.2
50	20.0	17.8	26.8





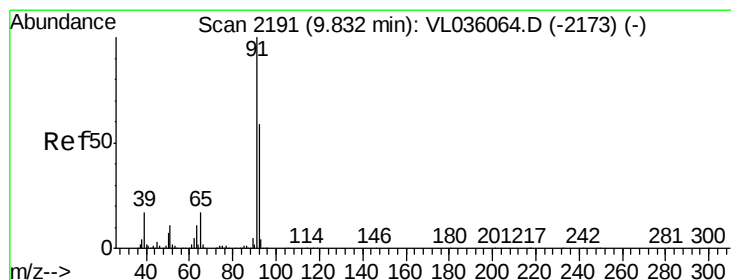
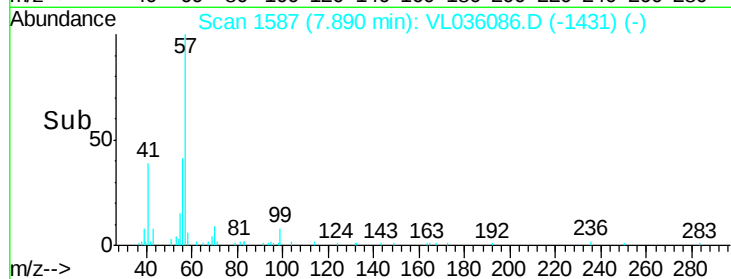
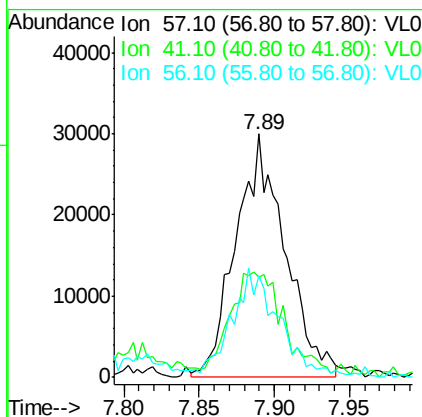
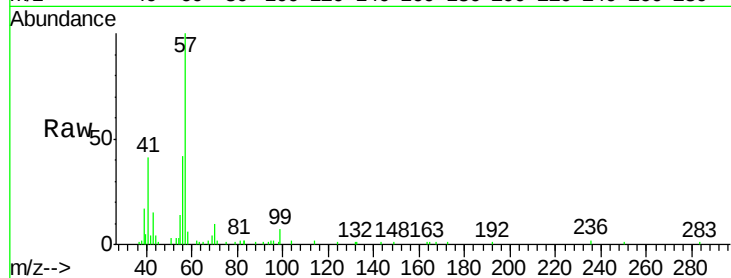
#44
 2,2,4-Trimethylpentane
 Concen: 0.160 ppbv m
 RT: 7.89 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VL036086.D
 Acq: 8 Dec 2020 5:03

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5BDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.9	43.3#
56	43.9	25.3	37.9#

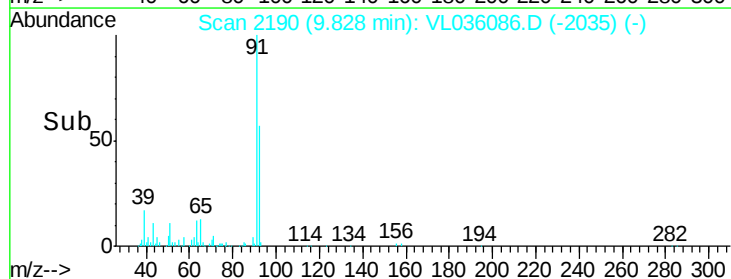
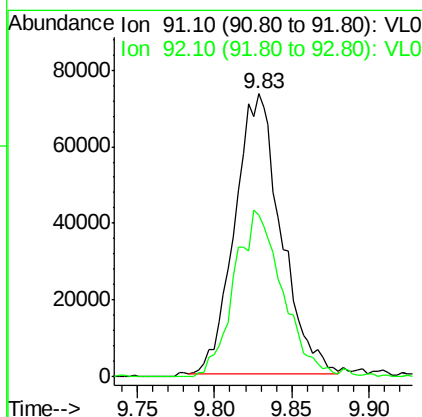
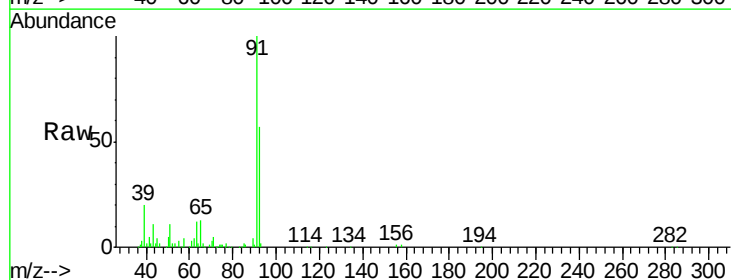
Manual Integrations
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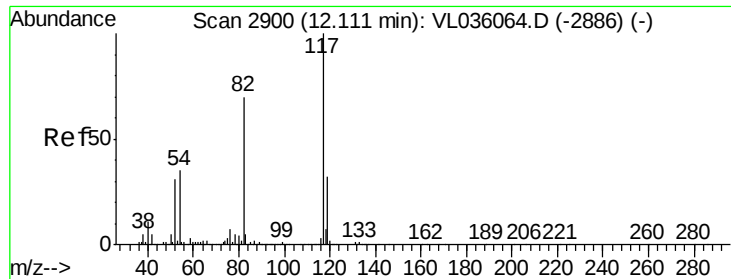
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#53
 Toluene
 Concen: 0.576 ppbv
 RT: 9.83 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: VL036086.D
 Acq: 8 Dec 2020 5:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.7	48.2	72.2





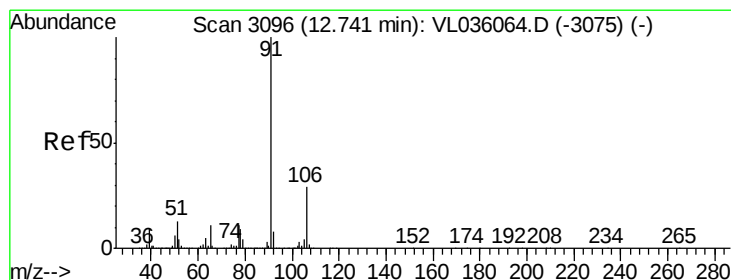
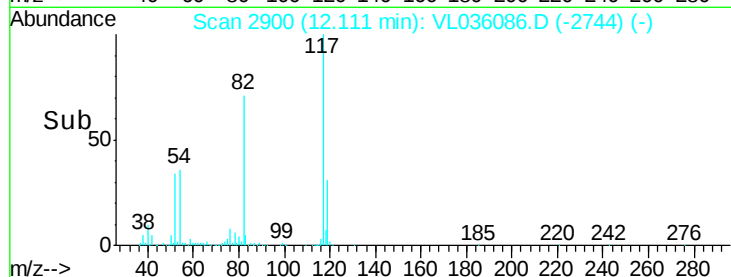
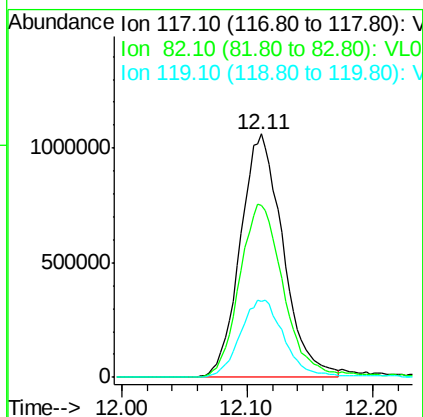
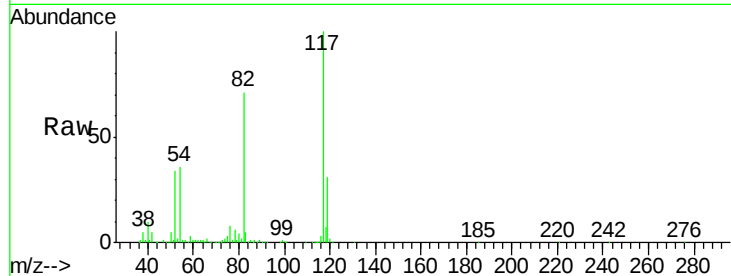
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL036086.D
Acq: 8 Dec 2020 5:03

Instrument :
MSVOA_L
ClientSampleId :
IA-5BDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	75.2	0.0	0.0#
119	33.4	0.0	0.0#

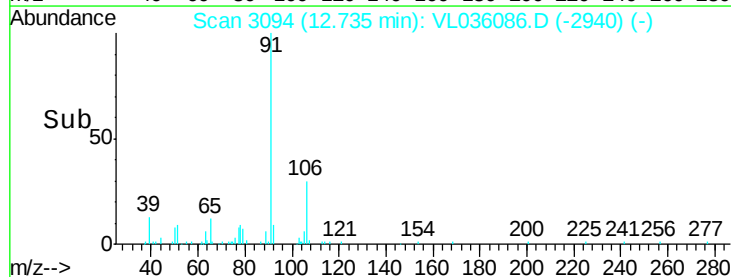
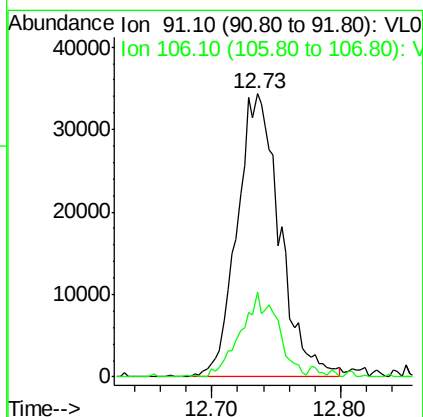
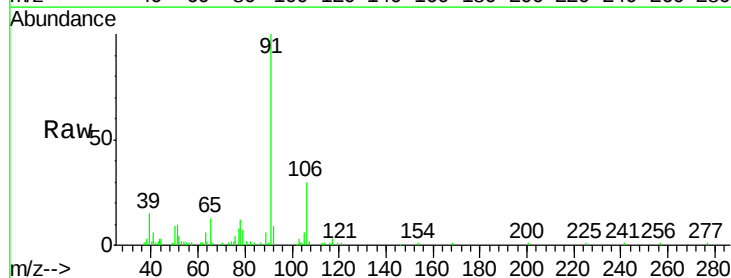
Manual Integrations
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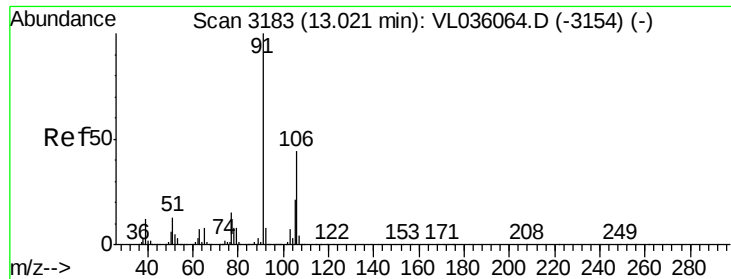
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#58
Ethyl Benzene
Concen: 0.231 ppbv m
RT: 12.73 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL036086.D
Acq: 8 Dec 2020 5:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.0	34.4





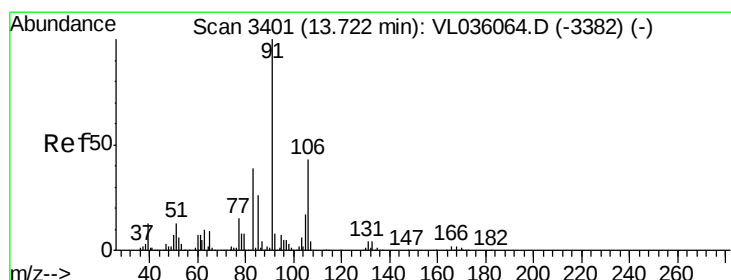
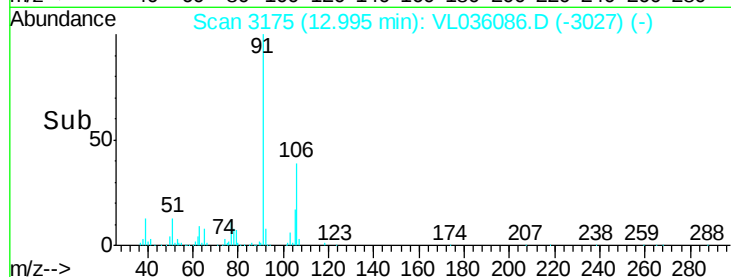
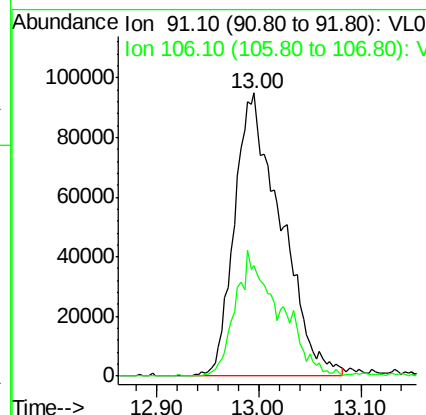
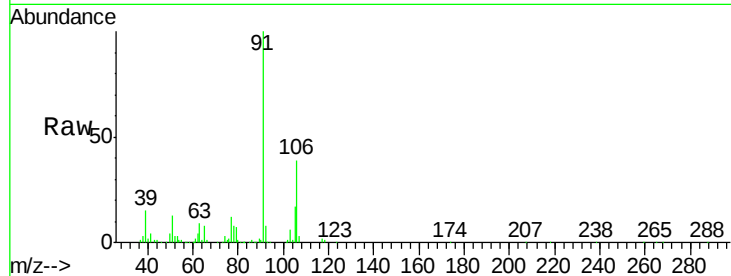
#59
m/p-Xylene
Concen: 1.031 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL036086.D
Acq: 8 Dec 2020 5:03

Instrument :
MSVOA_L
ClientSampleId :
IA-5BDL

Tot Ion: 91 Resp: 299025
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#

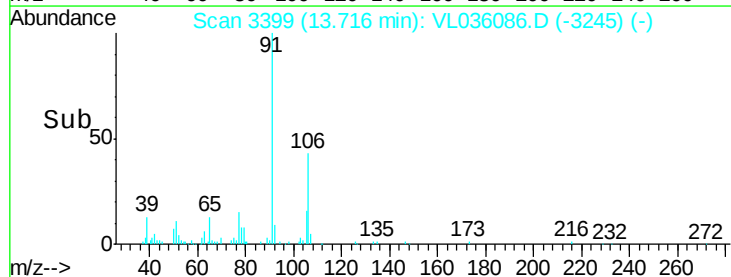
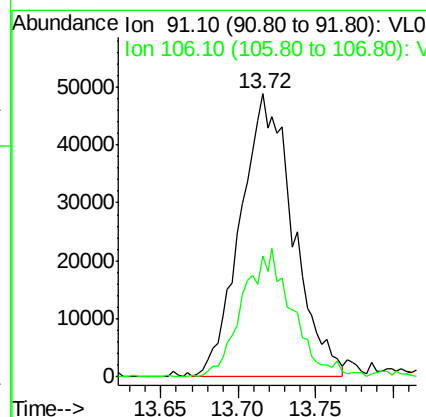
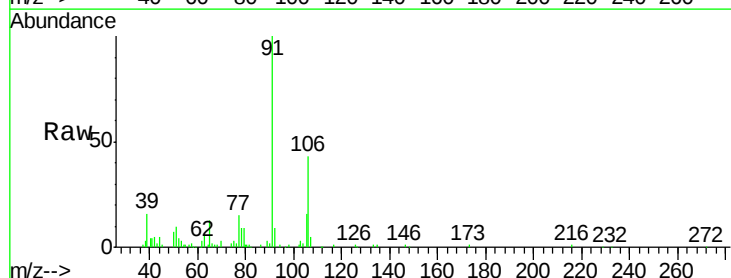
Manual Integrations
APPROVED

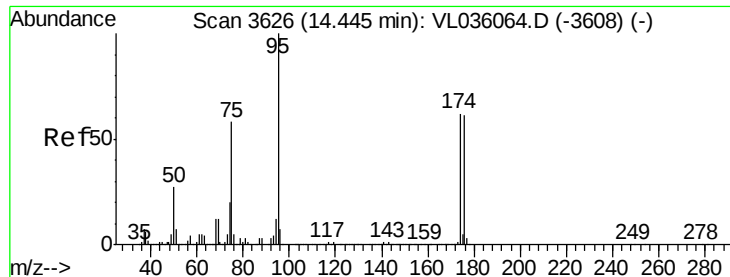
MMDadoda
12/10/2020 9:53:54 AM



#60
o-Xylene
Concen: 0.423 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036086.D
Acq: 8 Dec 2020 5:03

Tgt Ion: 91 Resp: 115504
Ion Ratio Lower Upper
91 100
106 43.9 21.6 64.6





#68

1-Bromo-4-Fluorobenzene

Concen: 10.565 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL036086.D

Acq: 8 Dec 2020 5:03

Instrument :

MSVOA_L

ClientSampleId :

IA-5BDL

Tot Ion: 95 Resp: 2107467

Ion Ratio Lower Upper

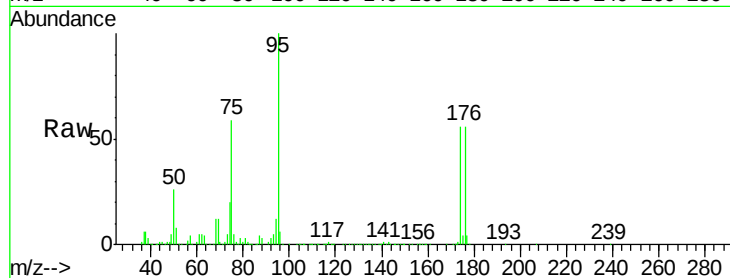
95 100

174 58.0 50.7 76.1

175 4.3 4.0 6.0

Manual Integrations
APPROVED

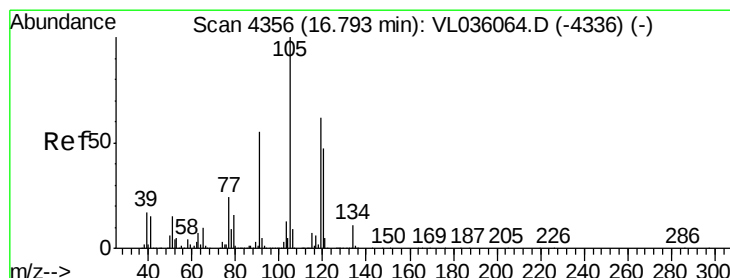
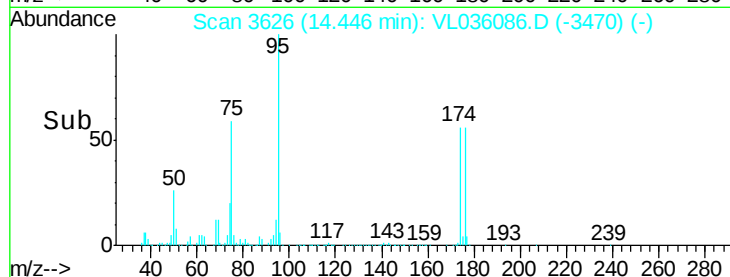
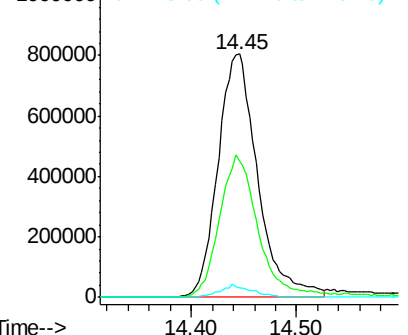
MMDadoda
12/10/2020 9:53:54 AM



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: 0.155 ppbv m

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL036086.D

Acq: 8 Dec 2020 5:03

Tgt Ion: 105 Resp: 44064

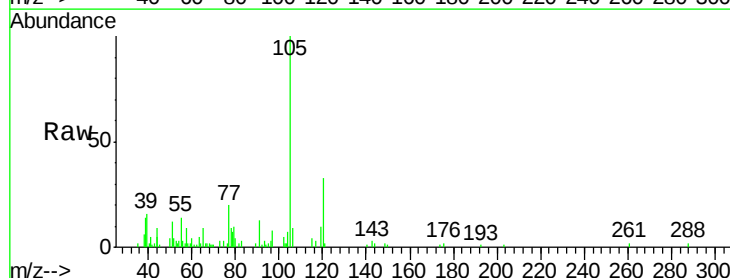
Ion Ratio Lower Upper

105 100

120 32.6 37.4 56.0#

91 13.2 45.6 68.4#

77 20.4 19.4 29.2



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

