

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036088.D
 Acq On : 8 Dec 2020 6:22
 Operator : SY/AP
 Sample : L4948-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2BDL

Manual Integrations
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MMDadoda
 12/10/2020 9:53:55 AM

Quant Time: Dec 08 10:11:09 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	1273620	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2779019	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2500511	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2031716	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	64926	0.892	ppbv	87
10) Heptane	8.14	43	33236m	0.179	ppbv	
13) Ethanol	3.61	45	205283m	20.457	ppbv	
15) Acetone	3.86	43	224926	1.469	ppbv	100
20) Methylene Chloride	4.35	84	26104m	0.416	ppbv	
26) Hexane	5.70	57	103013	0.749	ppbv #	42
30) Cyclohexane	7.15	84	61743m	0.611	ppbv	
44) 2,2,4-Trimethylpentane	7.89	57	59127	0.139	ppbv #	82
53) Toluene	9.83	91	157266	0.595	ppbv	98
58) Ethyl Benzene	12.74	91	65092m	0.190	ppbv	
59) m/p-Xylene	12.99	91	232331m	0.805	ppbv	
60) o-Xylene	13.72	91	96213m	0.354	ppbv	

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

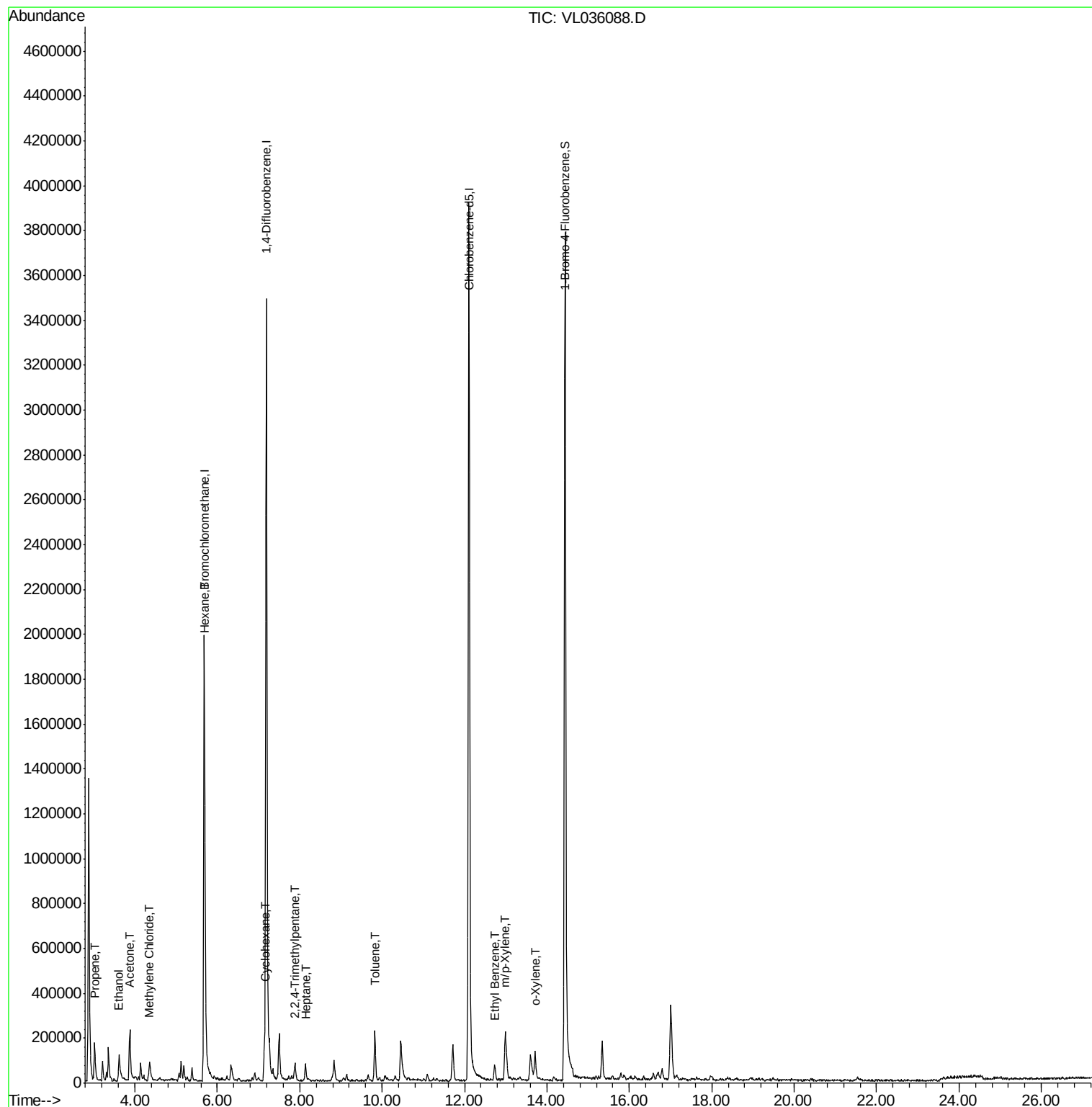
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120720\
Data File : VL036088.D
Acq On : 8 Dec 2020 6:22
Operator : SY/AP
Sample : L4948-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

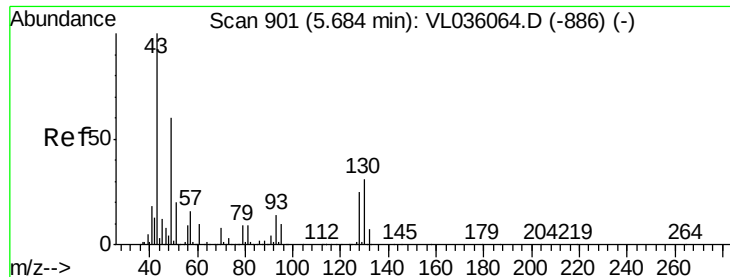
Instrument :
MSVOA_L
ClientSampleId :
IA-2BDL

Manual Integrations
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12/10/2020 9:53:55 AM

Quant Time: Dec 08 10:11:09 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# 899

Delta R.T. -0.01 min

Lab File: VL036088.D

Acq: 8 Dec 2020 6:22

Instrument :

MSVOA_L

ClientSampled :

IA-2BDL

Tot Ion: 49 Resp: 1273620

Ion Ratio Lower Upper

49 100

128 38.8 21.1 63.1

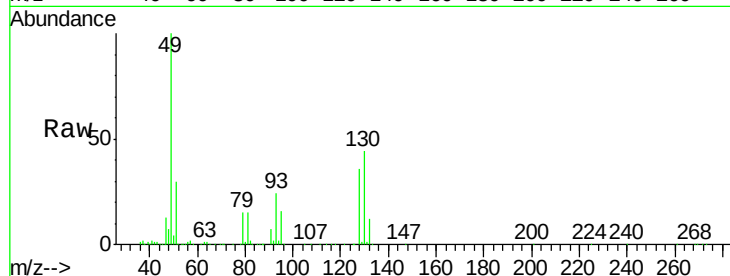
130 48.6 27.1 81.3

Manual Integrations

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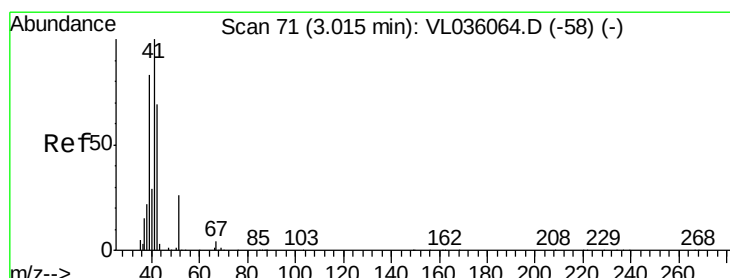
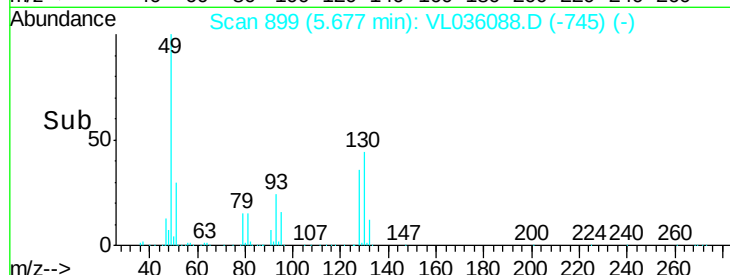
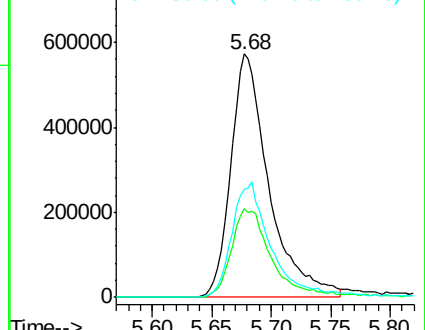
12/10/2020 9:53:55 AM



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: 0.892 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL036088.D

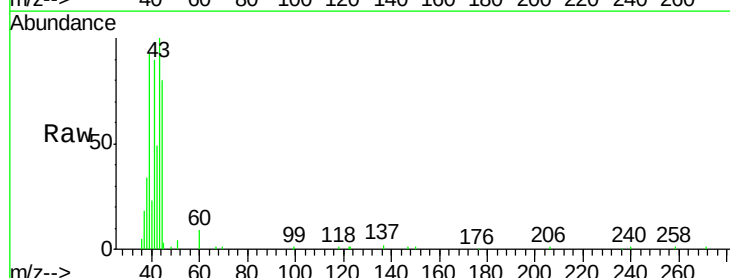
Acq: 8 Dec 2020 6:22

Tgt Ion: 41 Resp: 64926

Ion Ratio Lower Upper

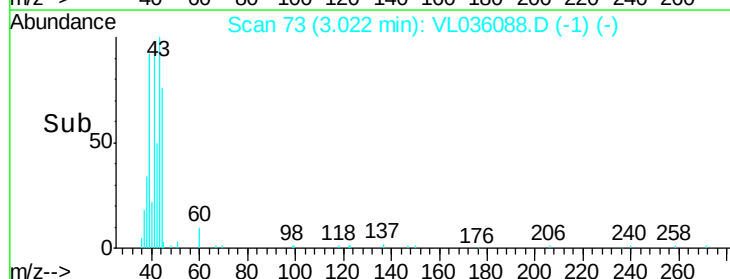
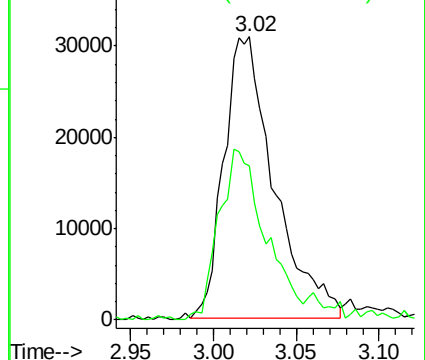
41 100

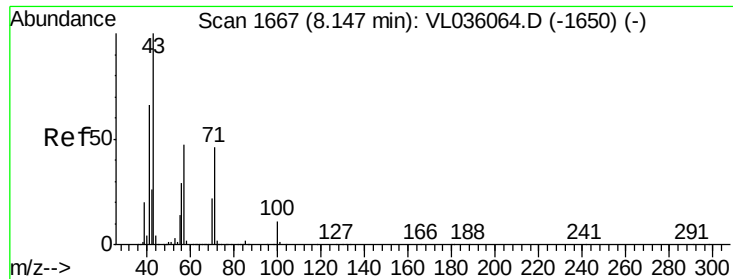
42 60.6 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





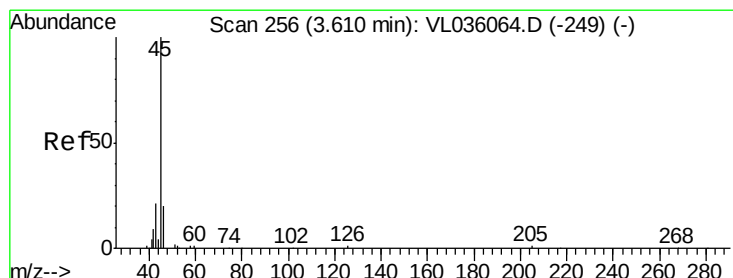
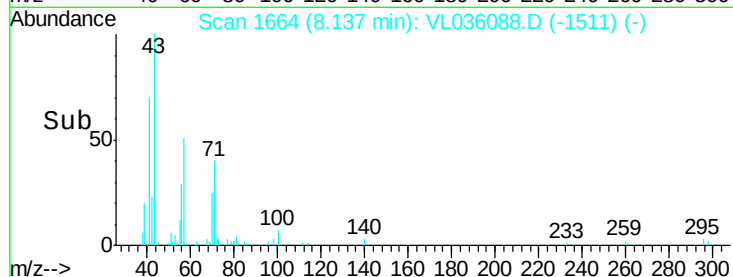
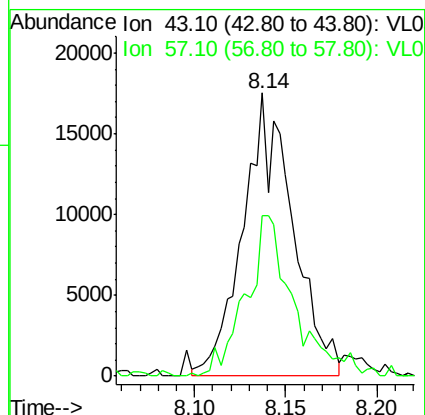
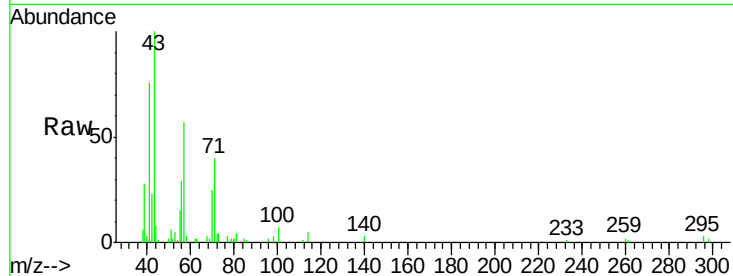
#10
Heptane
Concen: 0.179 ppbv m
RT: 8.14 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VL036088.D
Acq: 8 Dec 2020 6:22

Instrument :
MSVOA_L
ClientSampled :
IA-2BDL

Tot Ion: 43 Resp: 33236
Ion Ratio Lower Upper
43 100
57 0.0 37.9 56.9#

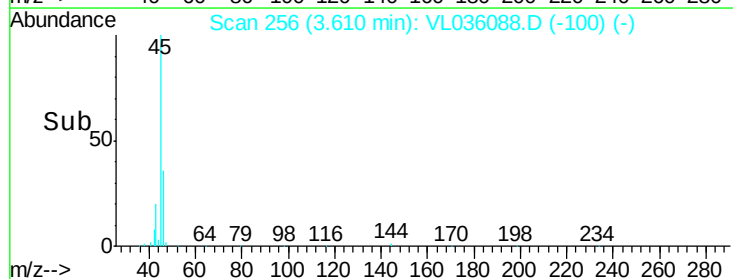
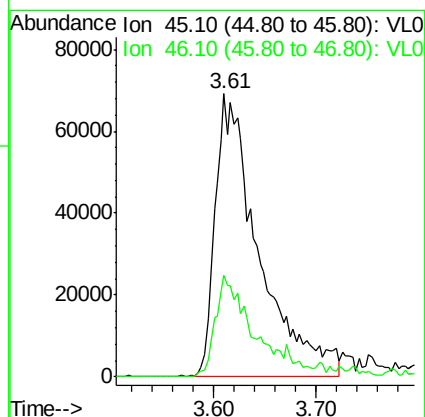
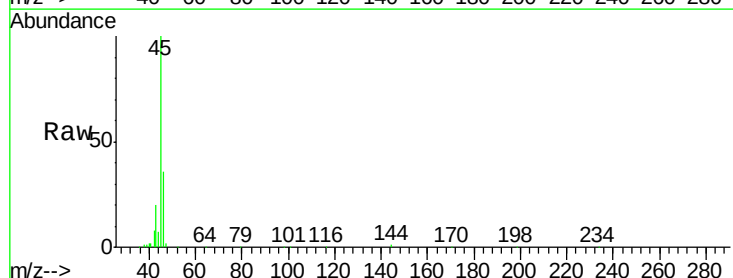
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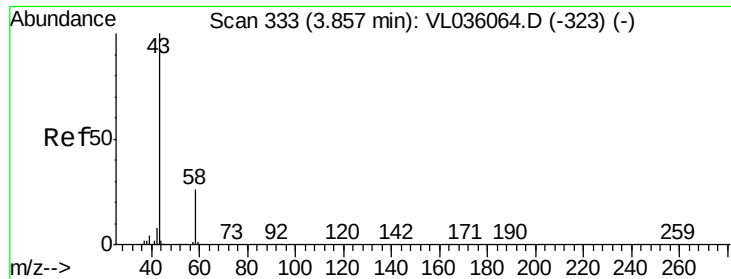
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#13
Ethanol
Concen: 20.457 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036088.D
Acq: 8 Dec 2020 6:22

Tgt Ion: 45 Resp: 205283
Ion Ratio Lower Upper
45 100
46 36.2 19.0 75.8





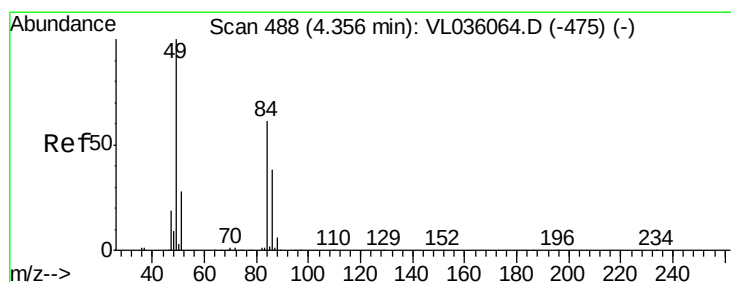
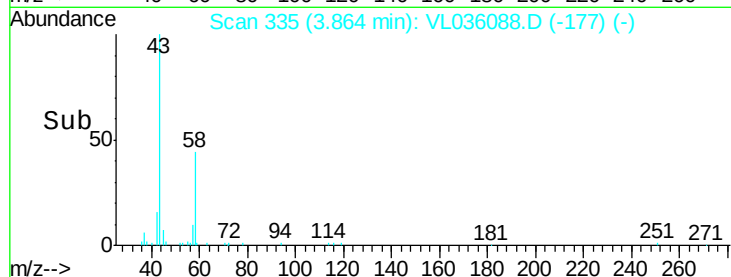
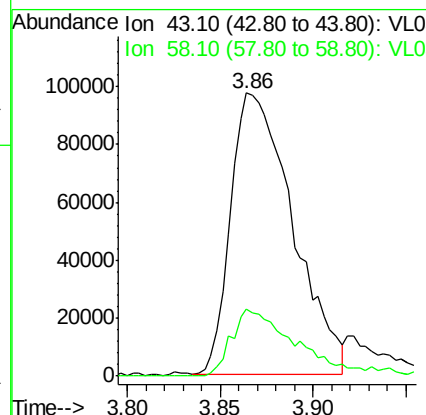
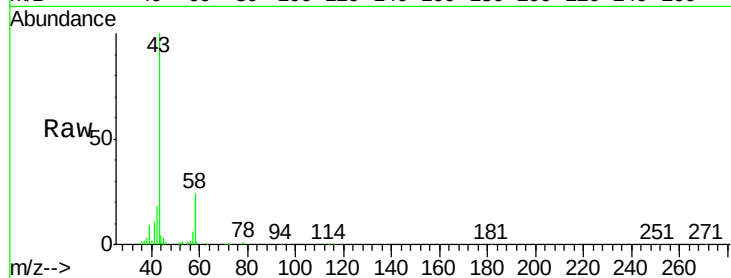
#15
Acetone
Concen: 1.469 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL036088.D
Acq: 8 Dec 2020 6:22

Instrument :
MSVOA_L
ClientSampled :
IA-2BDL

Tot Ion: 43 Resp: 224926
Ion Ratio Lower Upper
43 100
58 26.0 20.9 31.3

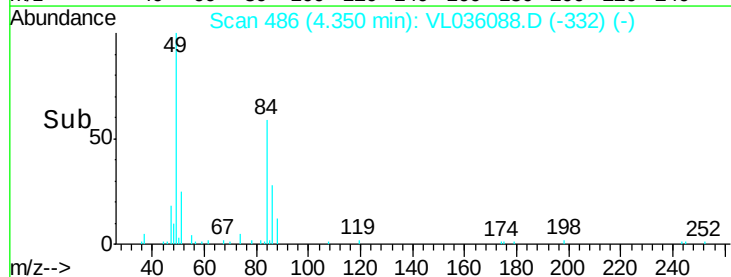
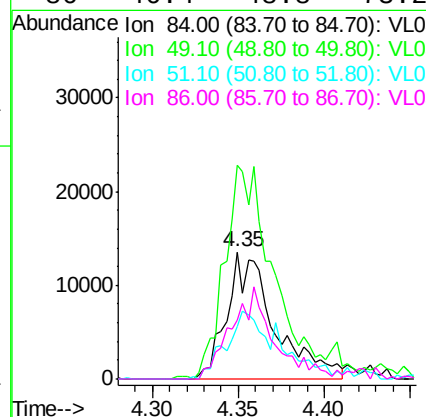
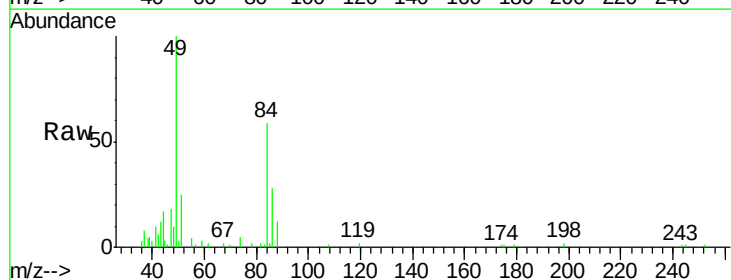
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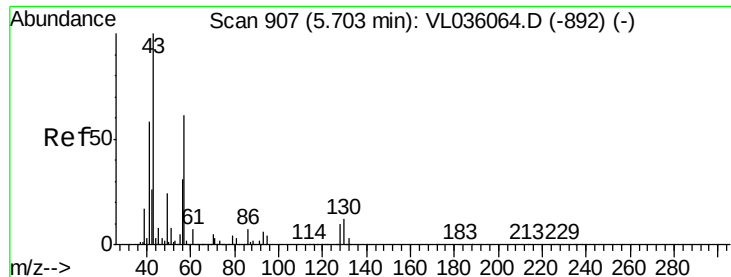
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#20
Methylene Chloride
Concen: 0.416 ppbv m
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL036088.D
Acq: 8 Dec 2020 6:22

Tgt Ion: 84 Resp: 26104
Ion Ratio Lower Upper
84 100
49 168.4 133.0 199.4
51 41.4 38.9 58.3
86 46.4 48.8 73.2#





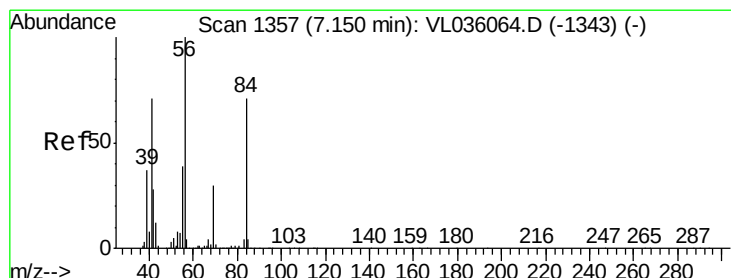
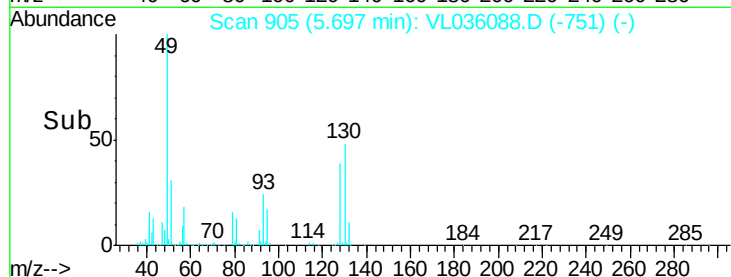
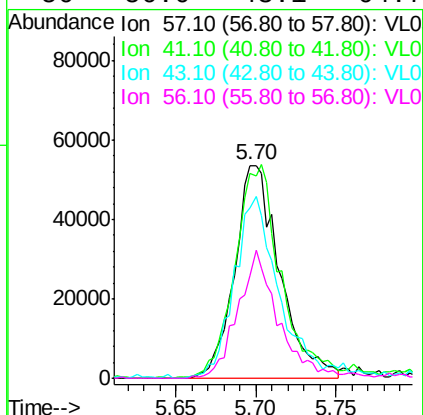
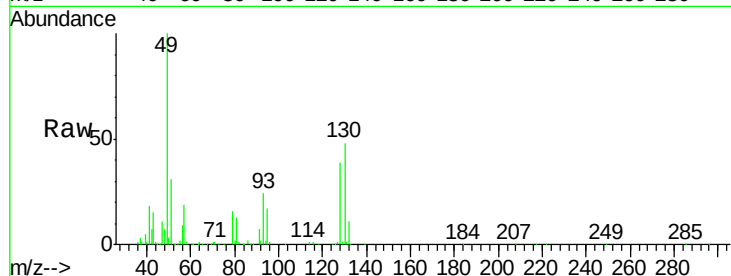
#26
Hexane
Concen: 0.749 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL036088.D
Acq: 8 Dec 2020 6:22

Instrument :
MSVOA_L
ClientSampleId :
IA-2BDL

Tot Ion	57	Resp	103013
Ion	Ratio	Lower	Upper
57	100		
41	103.3	82.9	124.3
43	87.3	199.9	299.9#
56	56.0	43.1	64.7

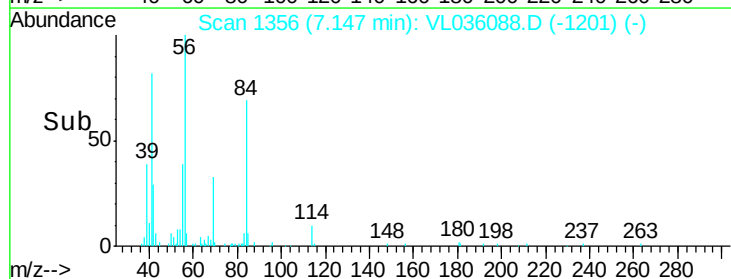
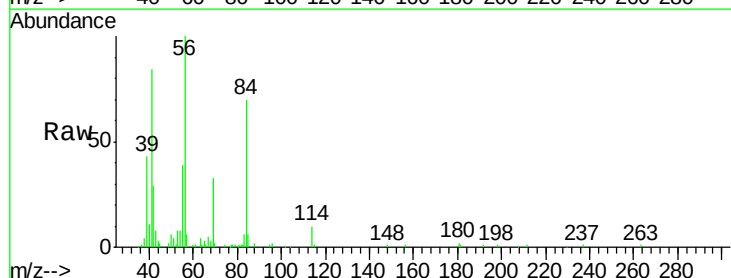
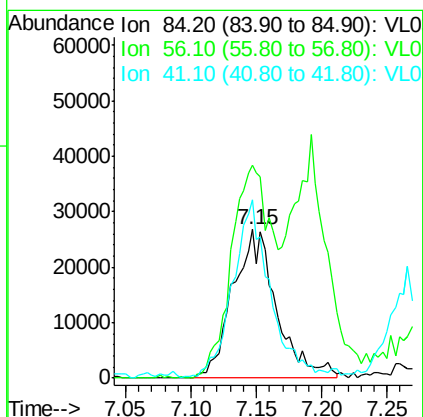
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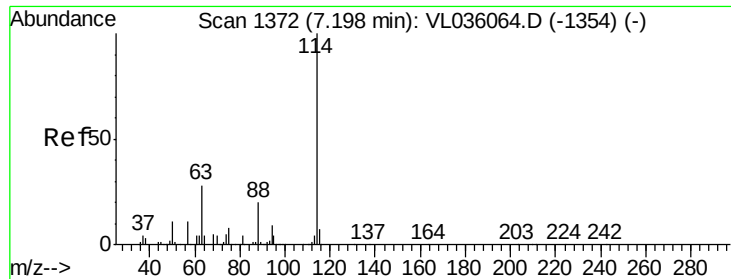
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#30
Cyclohexane
Concen: 0.611 ppbv m
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL036088.D
Acq: 8 Dec 2020 6:22

Tgt Ion	84	Resp	61743
Ion	Ratio	Lower	Upper
84	100		
56	145.6	128.0	192.0
41	101.8	81.3	121.9





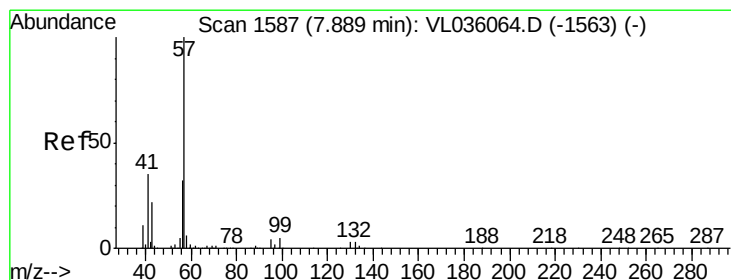
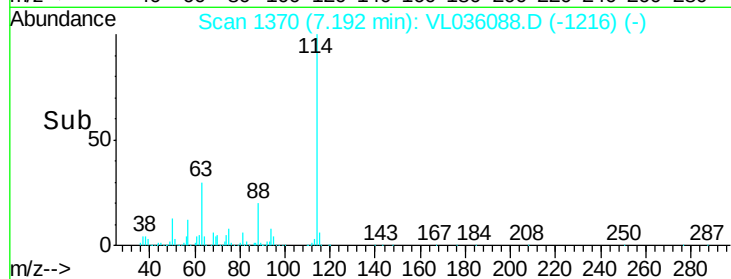
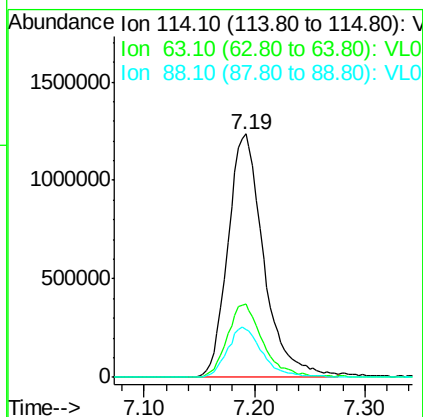
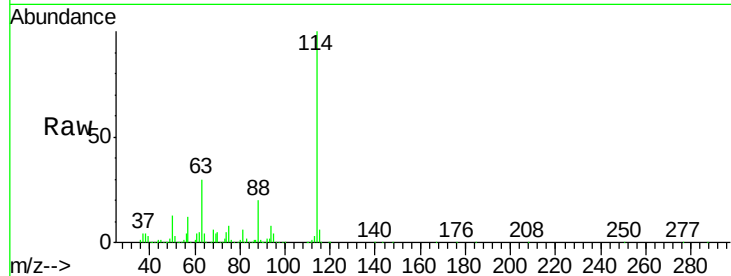
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: VL036088.D
 Acq: 8 Dec 2020 6:22

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2BDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.5	23.6	35.4
88	20.4	15.8	23.6

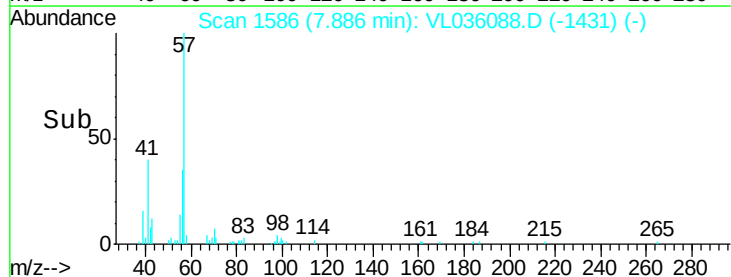
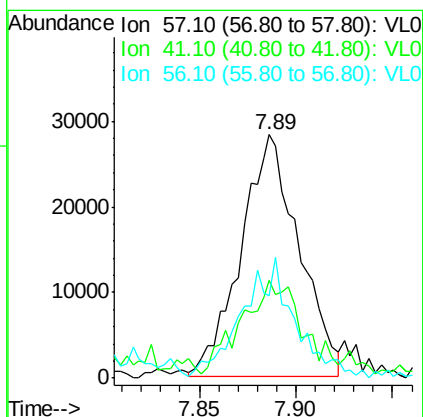
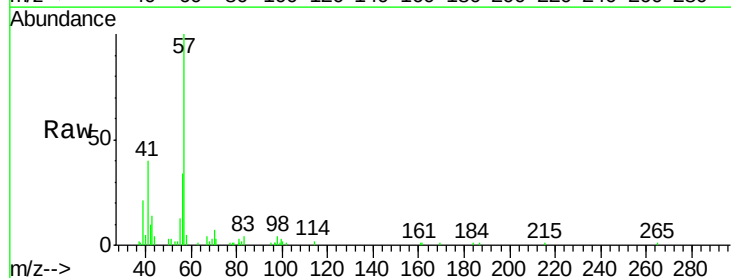
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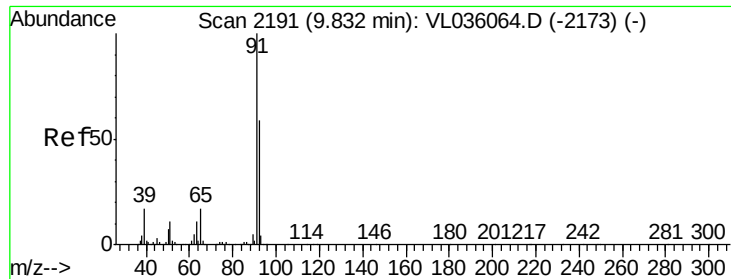
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#44
 2,2,4-Trimethylpentane
 Concen: 0.139 ppbv
 RT: 7.89 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VL036088.D
 Acq: 8 Dec 2020 6:22

Tgt Ion	Ratio	Lower	Upper
57	100		
41	42.3	28.9	43.3
56	46.5	25.3	37.9#





#53

Toluene

Concen: 0.595 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL036088.D

Acq: 8 Dec 2020 6:22

Instrument :

MSVOA_L

ClientSampleId :

IA-2BDL

Tot Ion: 91 Resp: 157266

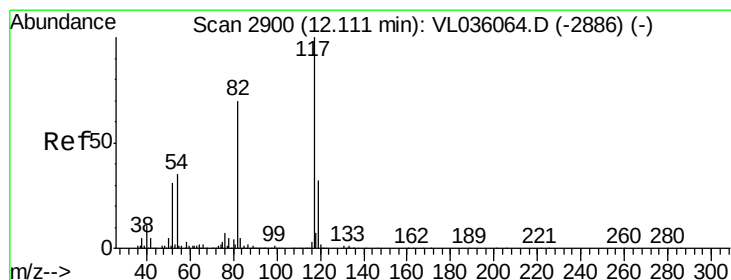
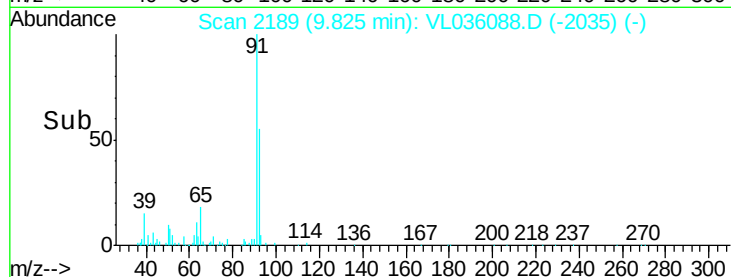
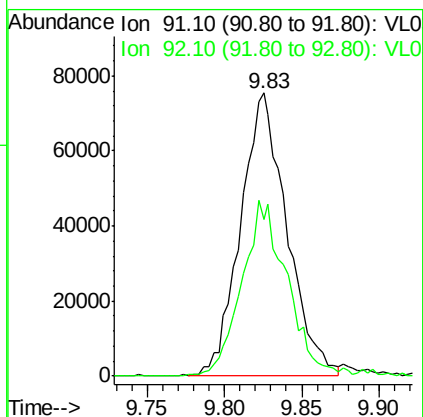
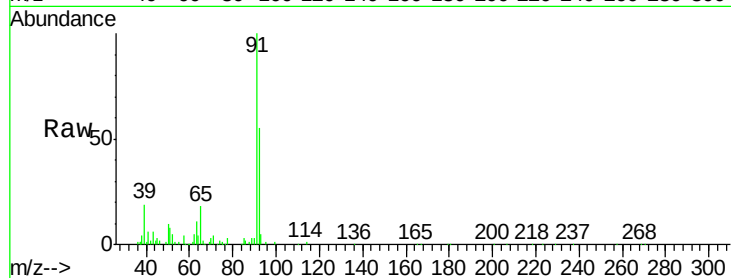
Ion Ratio Lower Upper

91 100

92 61.7 48.2 72.2

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL036088.D

Acq: 8 Dec 2020 6:22

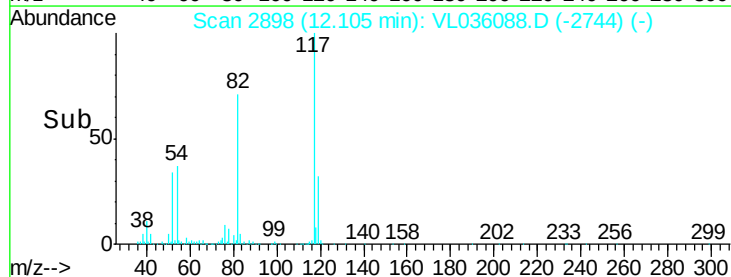
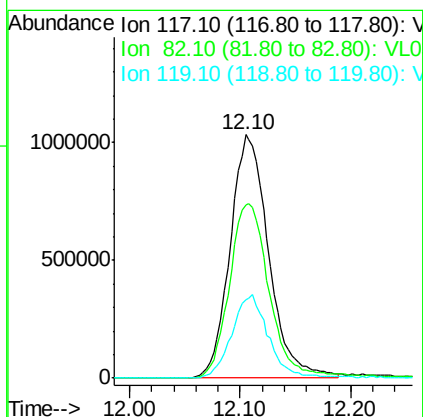
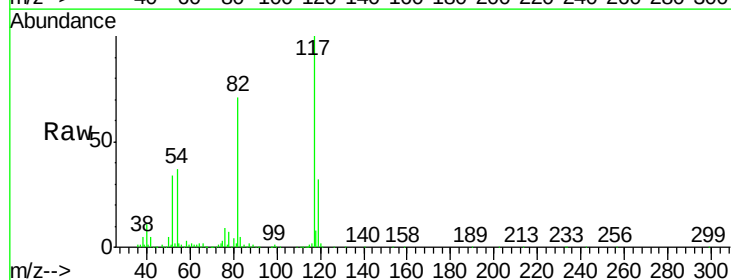
Tgt Ion: 117 Resp: 2500511

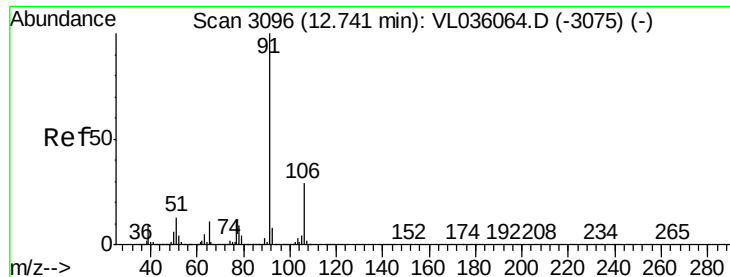
Ion Ratio Lower Upper

117 100

82 76.6 0.0 0.0#

119 32.8 0.0 0.0#





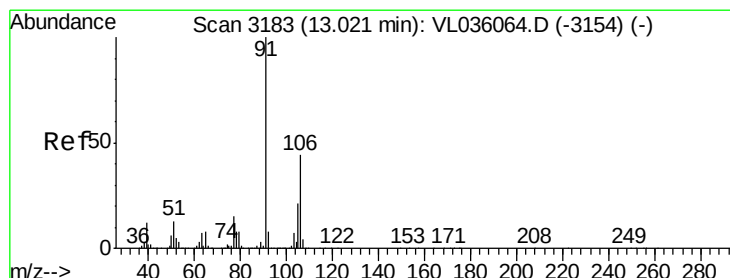
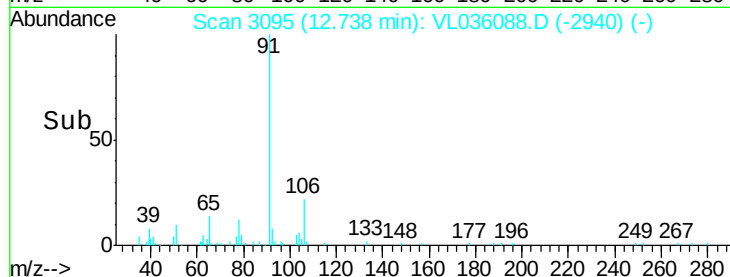
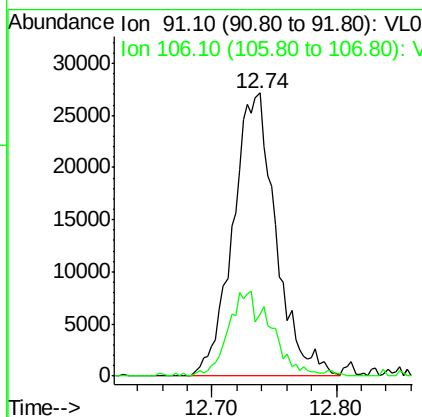
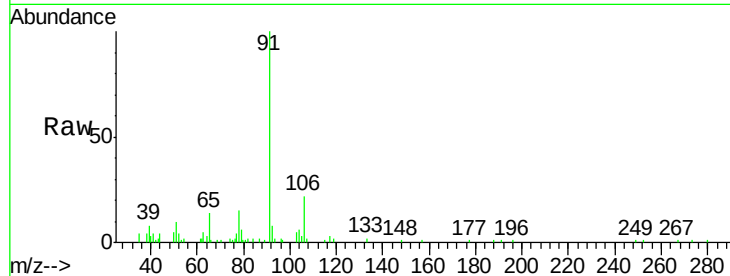
#58
Ethyl Benzene
Concen: 0.190 ppbv m
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL036088.D
Acq: 8 Dec 2020 6:22

Instrument :
MSVOA_L
ClientSampleId :
IA-2BDL

Tot Ion: 91 Resp: 65092
Ion Ratio Lower Upper
91 100
106 22.0 23.0 34.4#

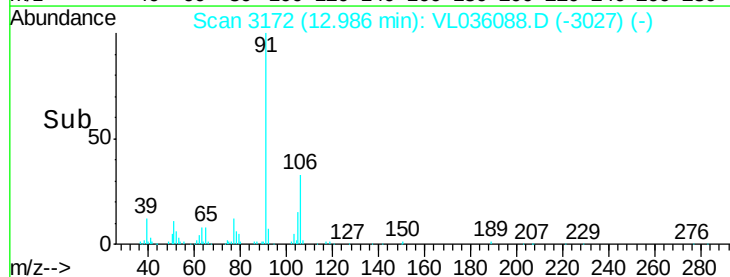
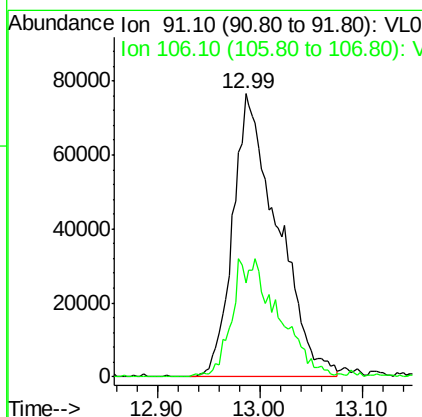
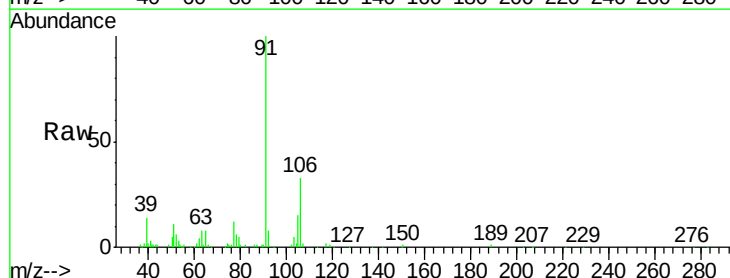
Manual Integrations
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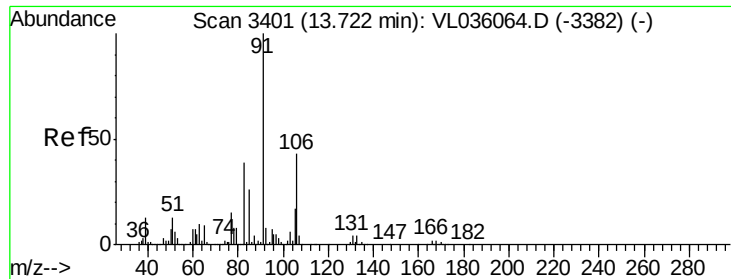
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#59
m/p-Xylene
Concen: 0.805 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.04 min
Lab File: VL036088.D
Acq: 8 Dec 2020 6:22

Tgt Ion: 91 Resp: 232331
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#





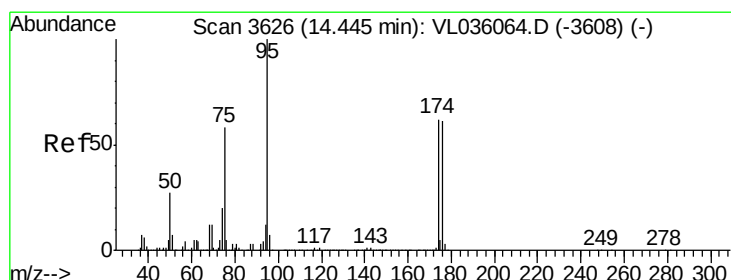
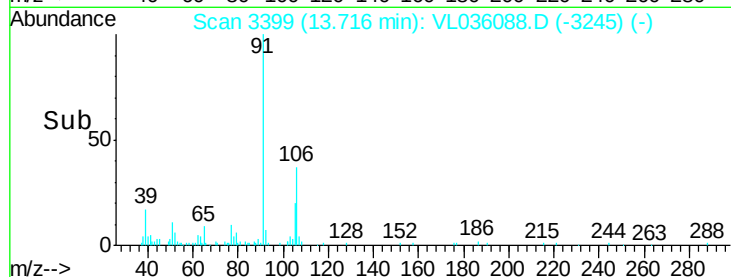
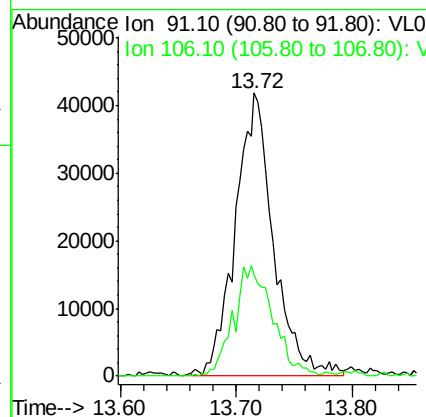
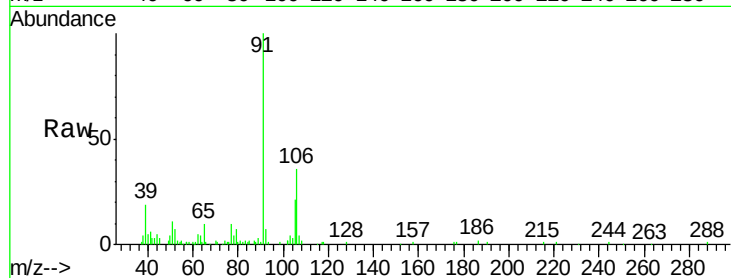
#60
o-Xylene
Concen: 0.354 ppbv m
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036088.D
Acq: 8 Dec 2020 6:22

Instrument :
MSVOA_L
ClientSampleId :
IA-2BDL

Tot Ion: 91 Resp: 96213
Ion Ratio Lower Upper
91 100
106 39.9 21.6 64.6

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:55 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.233 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.01 min
Lab File: VL036088.D
Acq: 8 Dec 2020 6:22

Tgt Ion: 95 Resp: 2031716
Ion Ratio Lower Upper
95 100
174 61.2 50.7 76.1
175 4.4 4.0 6.0

