

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036168.D
 Acq On : 16 Dec 2020 16:05
 Operator : SY/AP
 Sample : L5082-02 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

MMDadoda
 12/17/2020 3:55:56 PM

Quant Time: Dec 17 13:39:52 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 2020

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	5.65	49	1302694	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2739189	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2526815	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2210204	11.02	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.20%

Target Compounds

						Qvalue
9) Propene	3.00	41	17375m	0.233	ppbv	
10) Heptane	8.10	43	52505m	0.276	ppbv	
13) Ethanol	3.60	45	15375m	1.498	ppbv	
15) Acetone	3.85	43	140622	0.898	ppbv #	83
20) Methylene Chloride	4.33	84	25695	0.400	ppbv	92
26) Hexane	5.67	57	390575	2.775	ppbv #	38
29) Chloroform	5.74	83	34656	0.187	ppbv	100
34) 2-Butanone	5.25	43	27627m	0.152	ppbv	
52) Tetrachloroethene	11.21	164	13259m	0.158	ppbv	
53) Toluene	9.79	91	63037	0.242	ppbv	96
57) Chlorobenzene	12.17	112	94603m	0.533	ppbv	
58) Ethyl Benzene	12.70	91	47776m	0.138	ppbv	
59) m/p-Xylene	12.95	91	73752m	0.253	ppbv	
60) o-Xylene	13.68	91	40862m	0.149	ppbv	

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

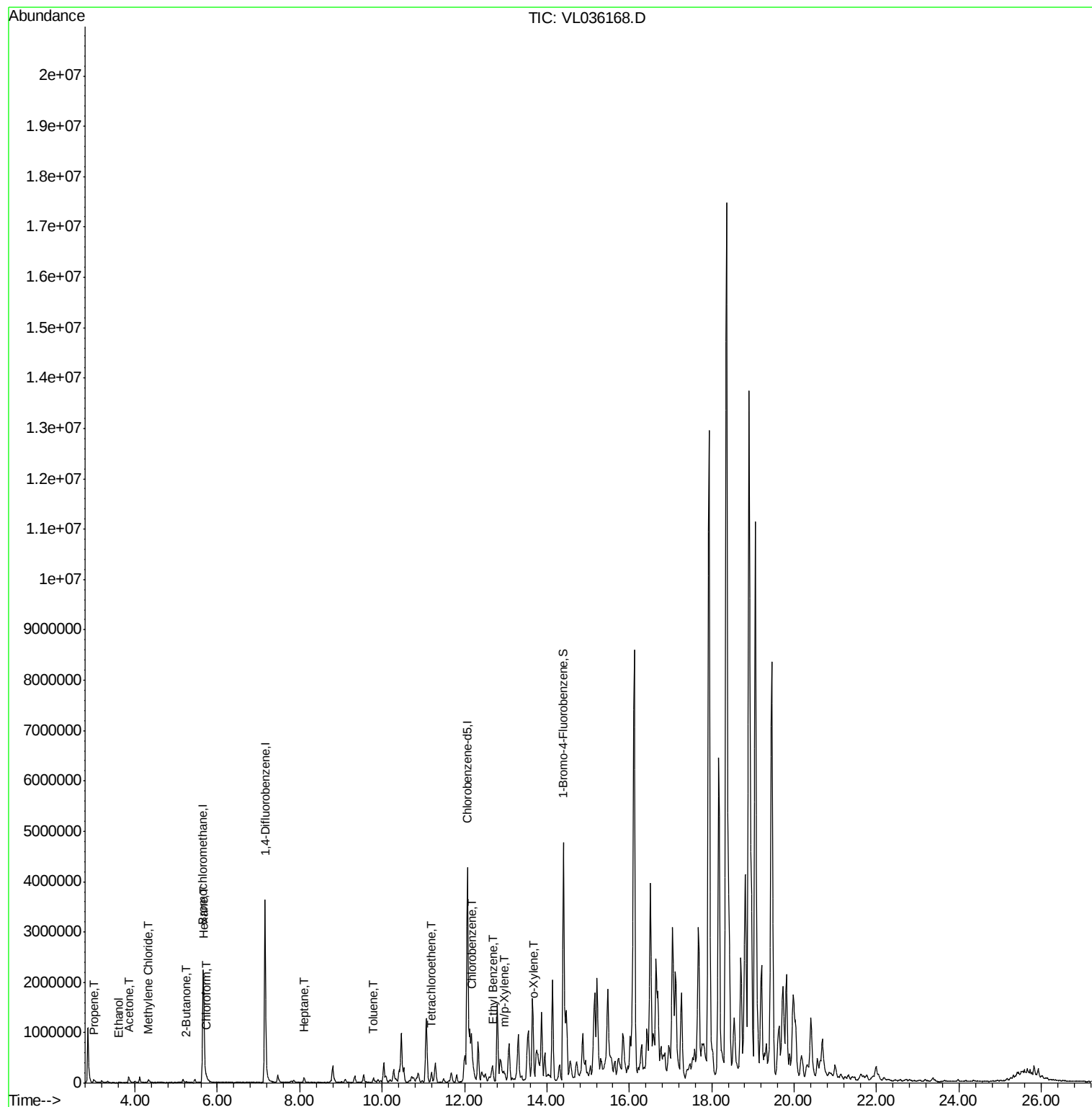
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036168.D
Acq On : 16 Dec 2020 16:05
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Sample : L5082-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

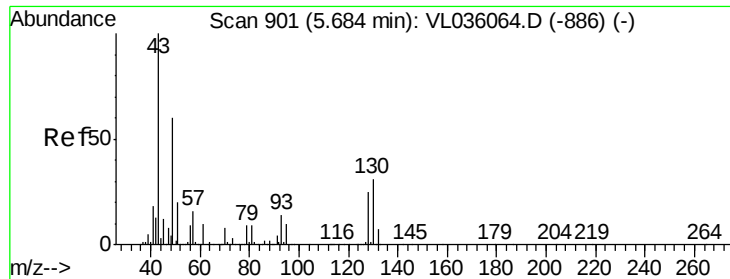
Instrument :
MSVOA_L
ClientSampleId :
SV2

Manual Integrations
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Quant Time: Dec 17 13:39:52 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: 5.65 min Scan# 890

Delta R.T. -0.04 min

Lab File: VL036168.D

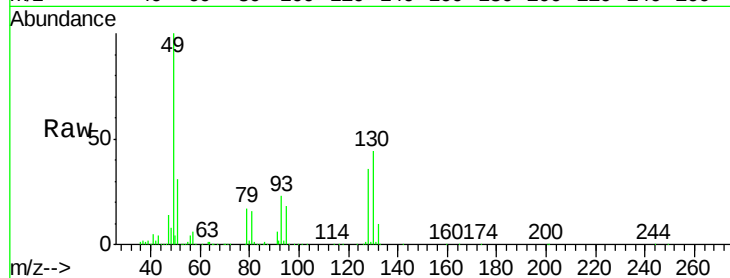
Acq: 16 Dec 2020 16:05

Instrument :

MSVOA_L

ClientSampled :

SV2



Tgt Ion: 49 Resp: 1302694

Ion Ratio Lower Upper

49 100

128 38.7 21.1 63.1

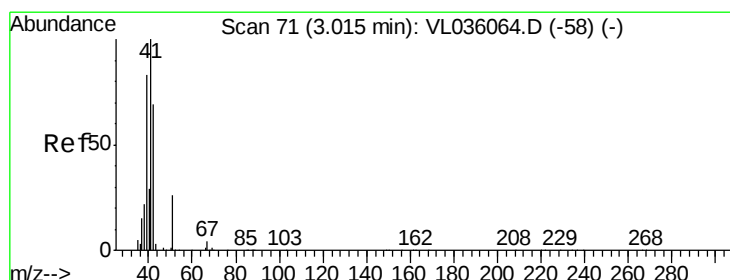
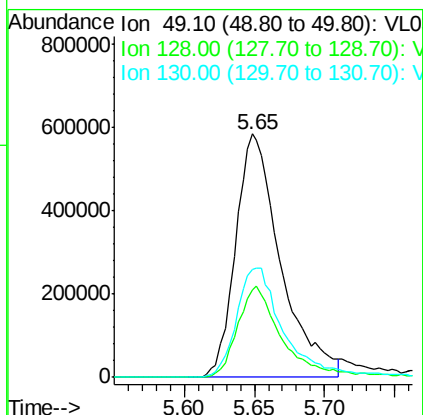
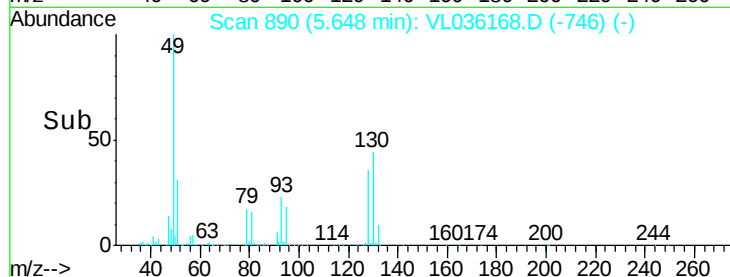
130 48.5 27.1 81.3

Manual Integrations

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#9

Propene

Concen: 0.233 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. -0.02 min

Lab File: VL036168.D

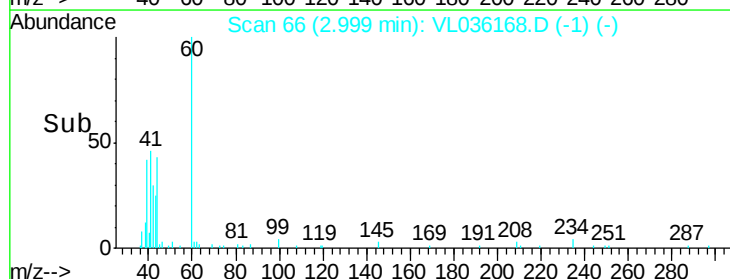
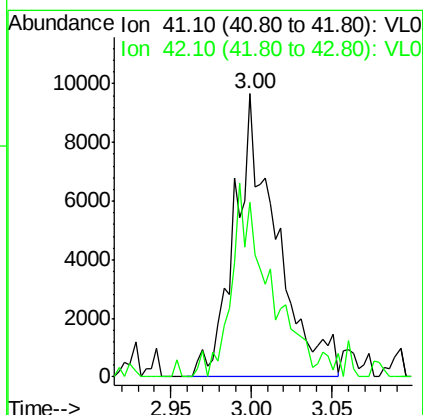
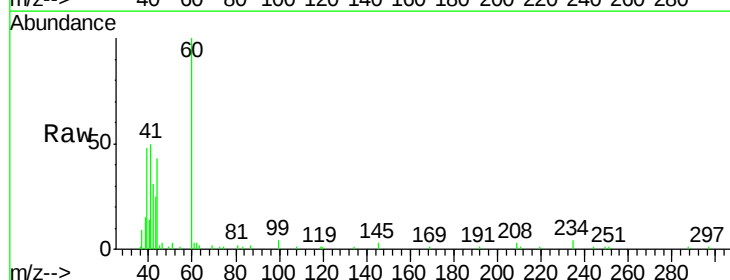
Acq: 16 Dec 2020 16:05

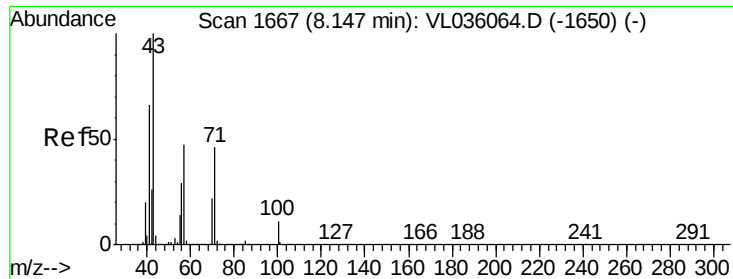
Tgt Ion: 41 Resp: 17375

Ion Ratio Lower Upper

41 100

42 34.5 57.0 85.6#





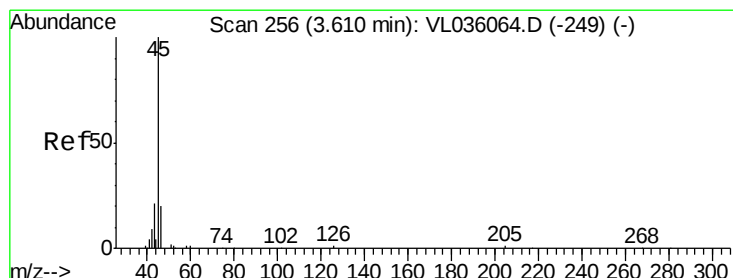
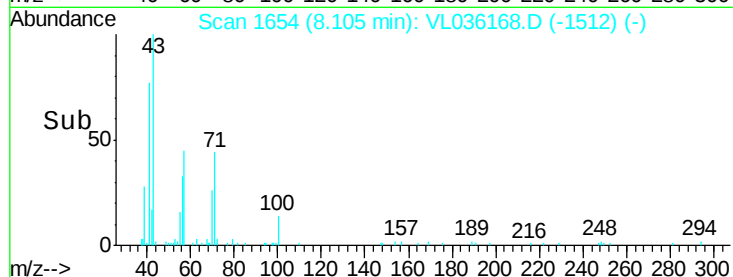
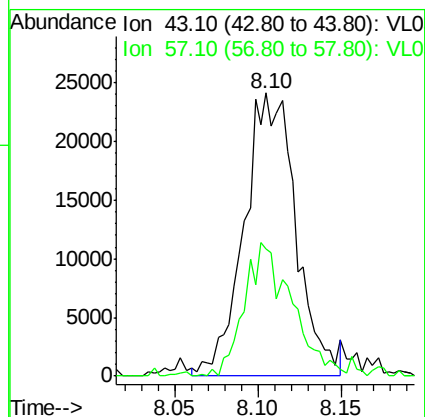
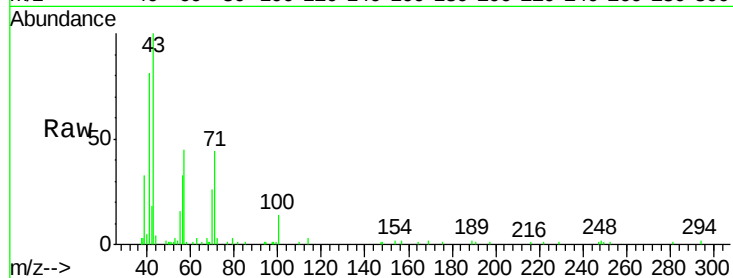
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Heptane
Concen: 0.276 ppbv m
RT: 8.10 min Scan# 1654
Delta R.T. -0.04 min
Lab File: VL036168.D
Acq: 16 Dec 2020 16:05

Instrument :
MSVOA_L
ClientSampled :
SV2

Tgt Ion: 43 Resp: 52505
Ion Ratio Lower Upper
43 100
57 0.0 37.9 56.9#

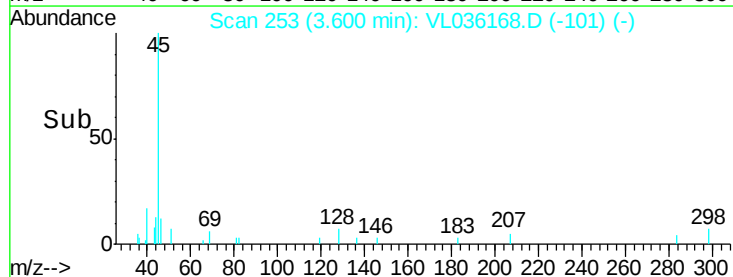
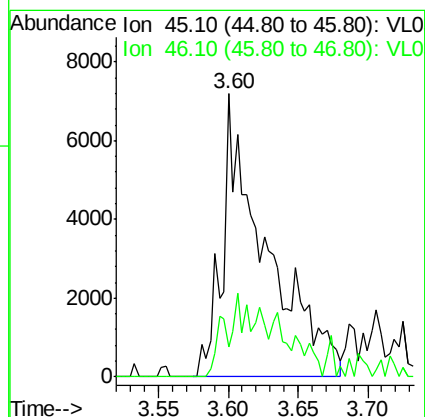
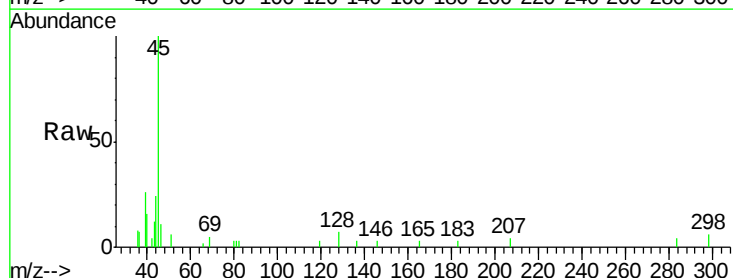
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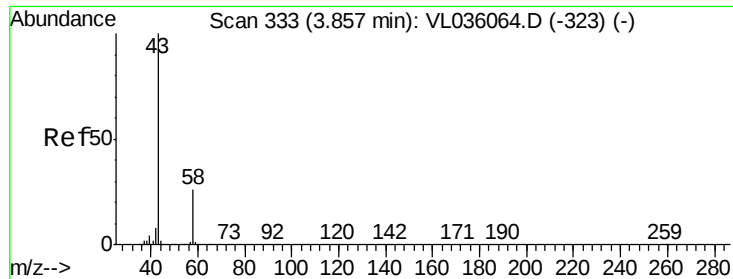
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#13
Ethanol
Concen: 1.498 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036168.D
Acq: 16 Dec 2020 16:05

Tgt Ion: 45 Resp: 15375
Ion Ratio Lower Upper
45 100
46 0.0 19.0 75.8#





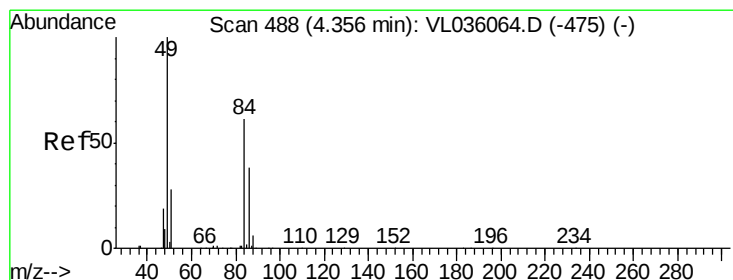
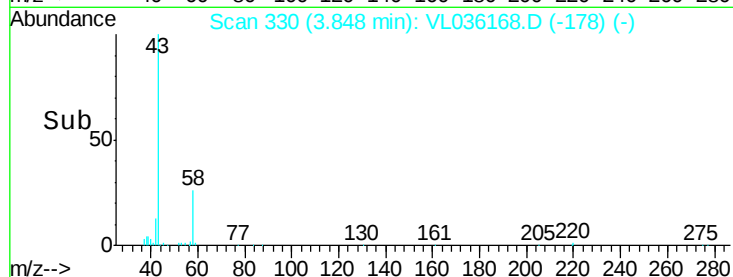
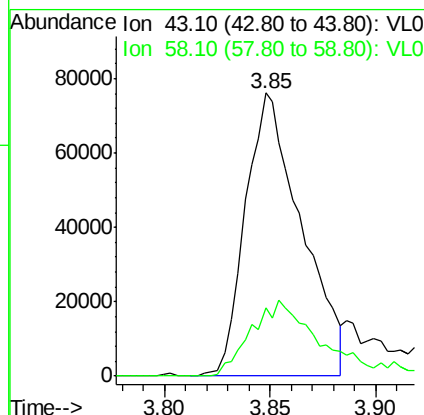
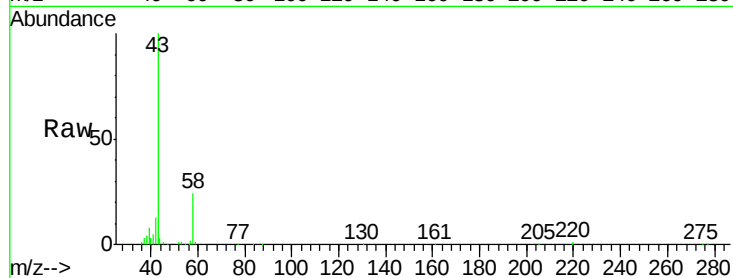
#15
Acetone
Concen: 0.898 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL036168.D
Acq: 16 Dec 2020 16:05

Instrument :
MSVOA_L
ClientSampled :
SV2

Tgt Ion: 43 Resp: 140622
Ion Ratio Lower Upper
43 100
58 34.8 20.9 31.3#

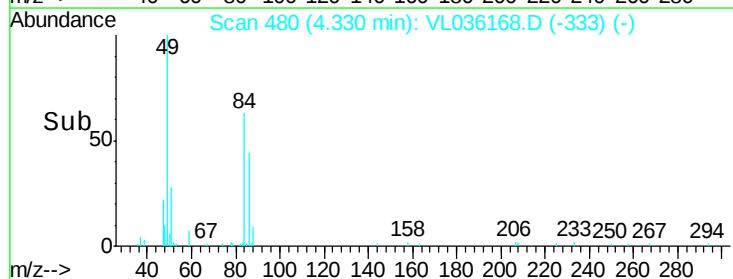
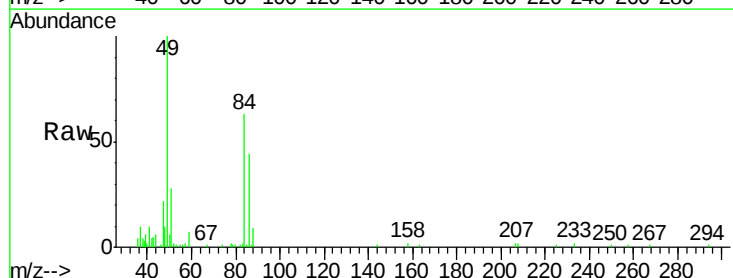
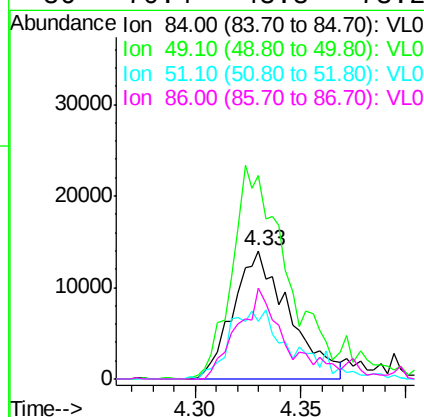
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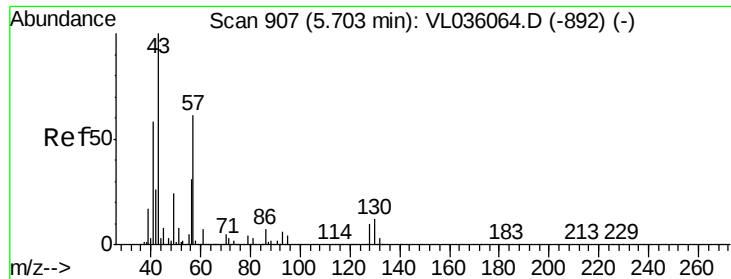
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#20
Methylene Chloride
Concen: 0.400 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.03 min
Lab File: VL036168.D
Acq: 16 Dec 2020 16:05

Tgt Ion: 84 Resp: 25695
Ion Ratio Lower Upper
84 100
49 157.1 133.0 199.4
51 42.3 38.9 58.3
86 70.4 48.8 73.2





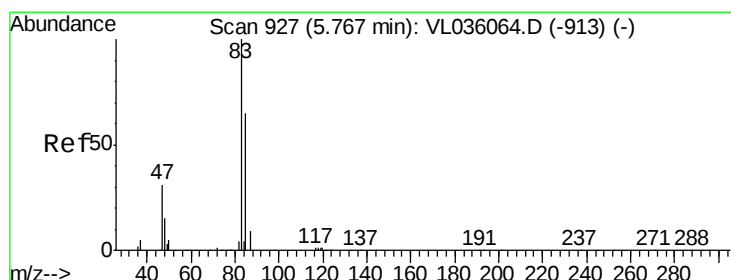
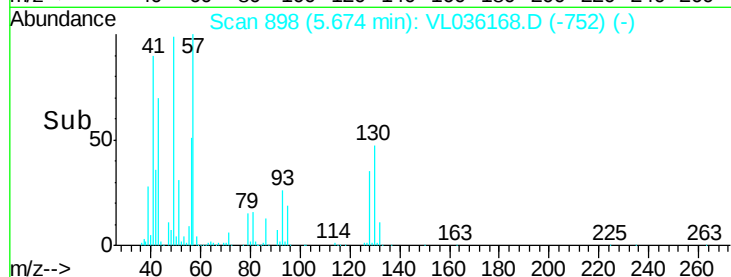
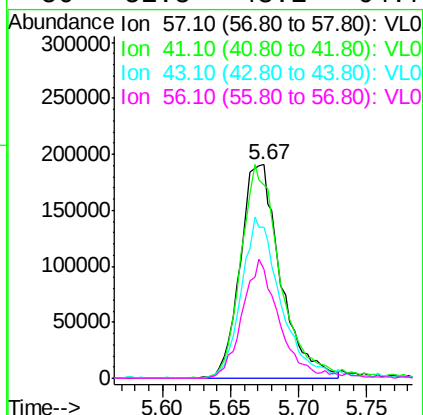
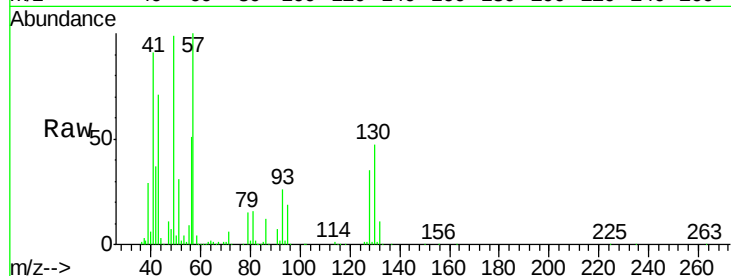
#26
Hexane
Concen: 2.775 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL036168.D
Acq: 16 Dec 2020 16:05

Instrument :
MSVOA_L
ClientSampled :
SV2

Tgt Ion	Ratio	Lower	Upper
57	100		
41	101.2	82.9	124.3
43	75.5	199.9	299.9#
56	51.8	43.1	64.7

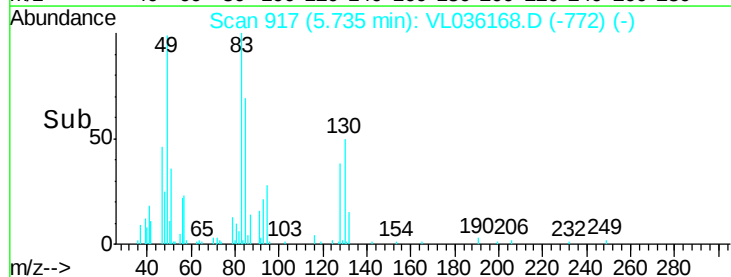
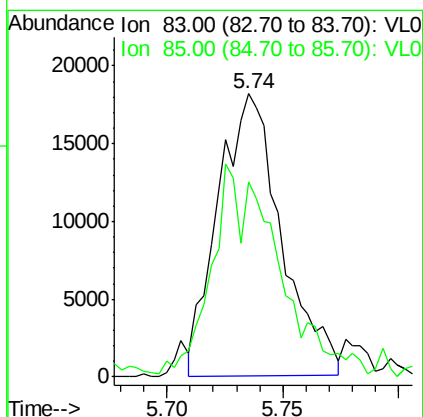
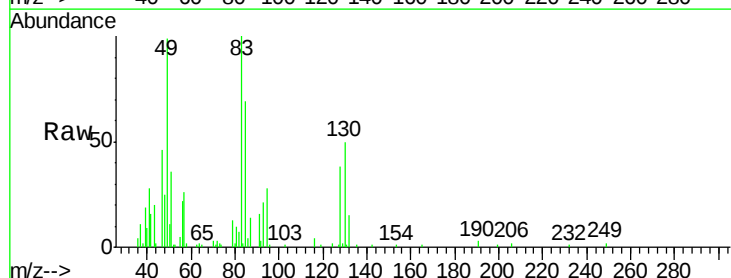
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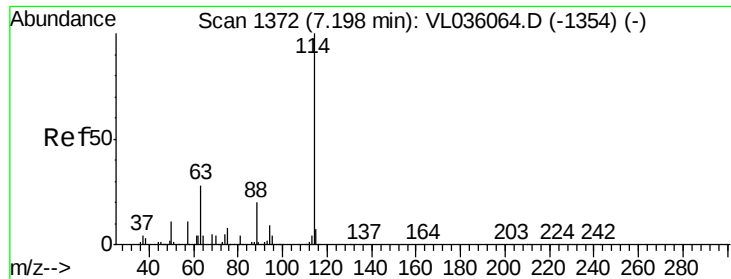
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#29
Chloroform
Concen: 0.187 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.03 min
Lab File: VL036168.D
Acq: 16 Dec 2020 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





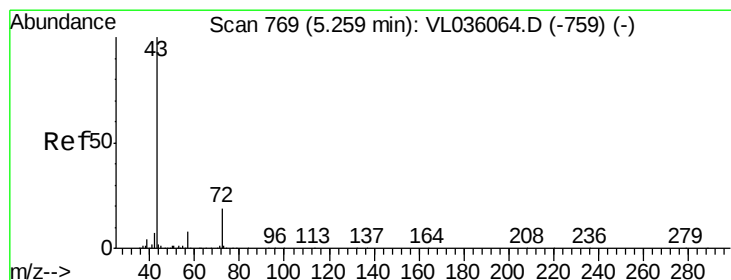
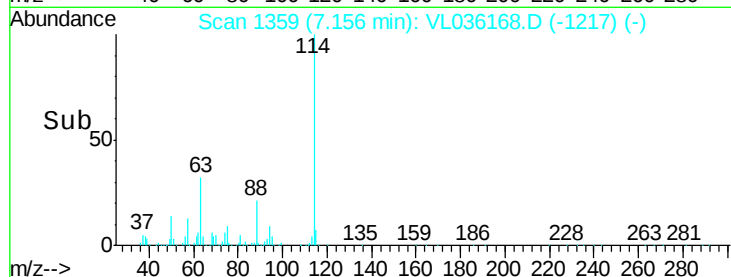
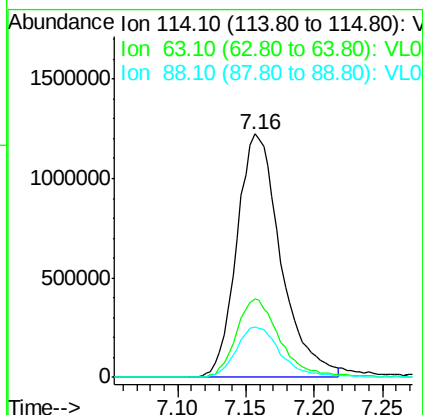
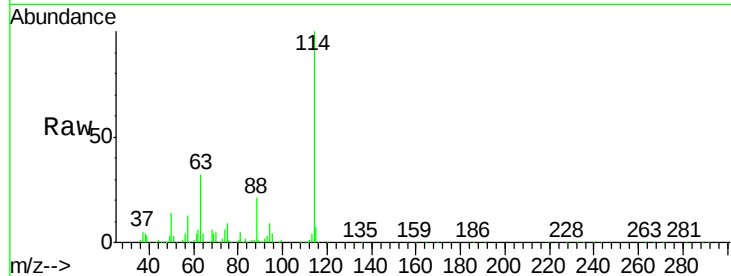
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.04 min
 Lab File: VL036168.D
 Acq: 16 Dec 2020 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Tgt Ion: 114 Resp: 2739189
 Ion Ratio Lower Upper
 114 100
 63 32.7 23.6 35.4
 88 21.3 15.8 23.6

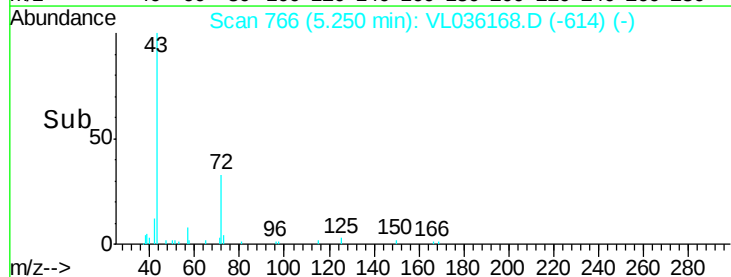
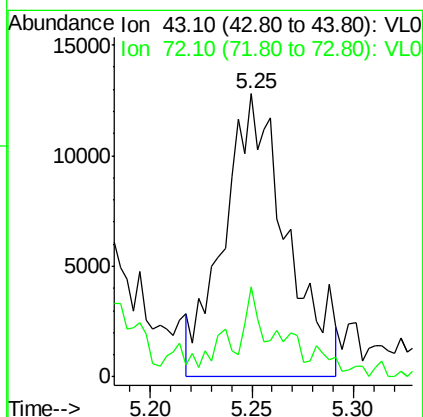
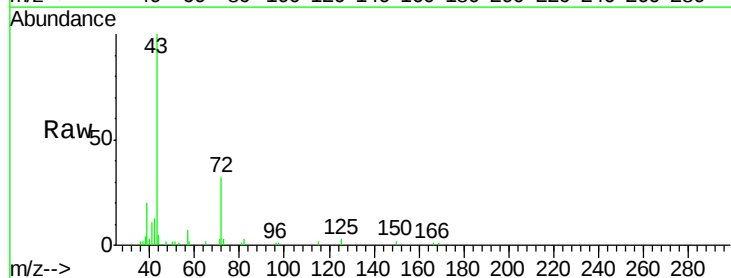
Manual Integrations
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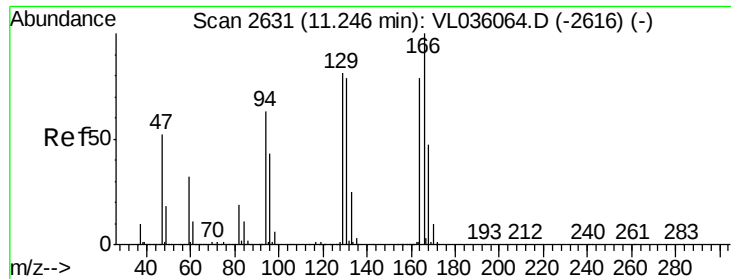
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#34
 2-Butanone
 Concen: 0.152 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: VL036168.D
 Acq: 16 Dec 2020 16:05

Tgt Ion: 43 Resp: 27627
 Ion Ratio Lower Upper
 43 100
 72 25.3 16.5 24.7#





#52

Tetrachloroethene

Concen: 0.158 ppbv m

RT: 11.21 min Scan# 2621

Delta R.T. -0.03 min

Lab File: VL036168.D

Acq: 16 Dec 2020 16:05

Instrument :

MSVOA_L

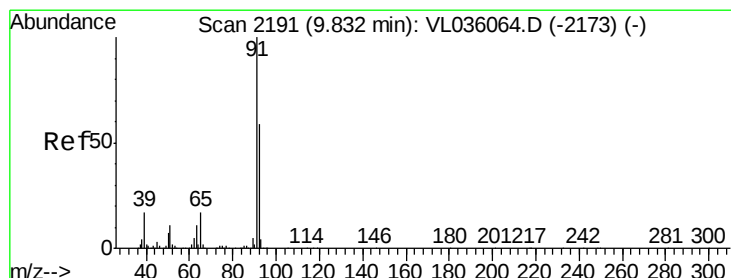
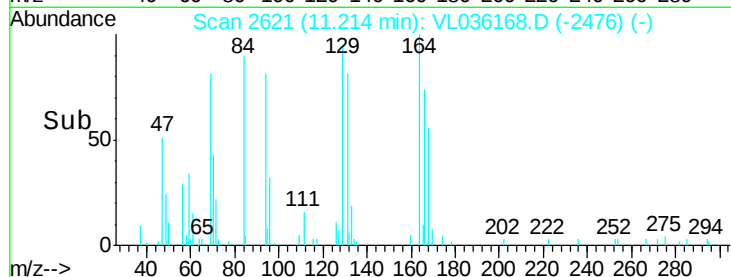
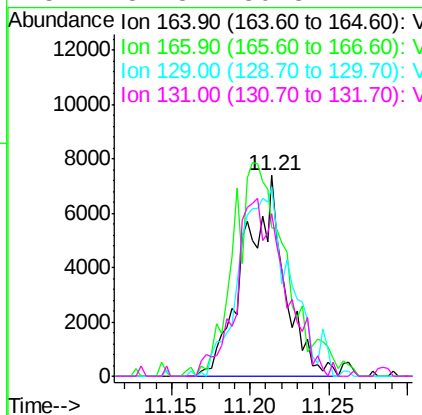
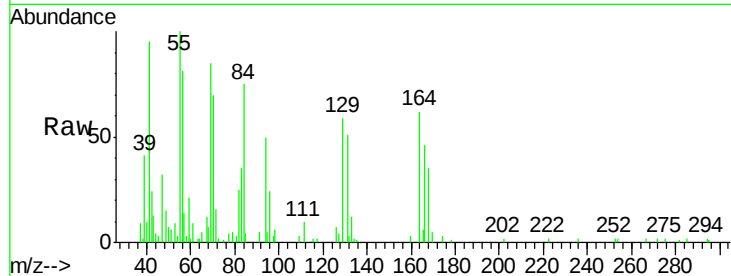
ClientSampleId :

SV2

Tgt Ion	Ratio	Lower	Upper
164	100		
166	74.3	101.9	152.9#
129	94.7	82.1	123.1
131	81.3	80.8	121.2

Manual Integrations
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#53

Toluene

Concen: 0.242 ppbv

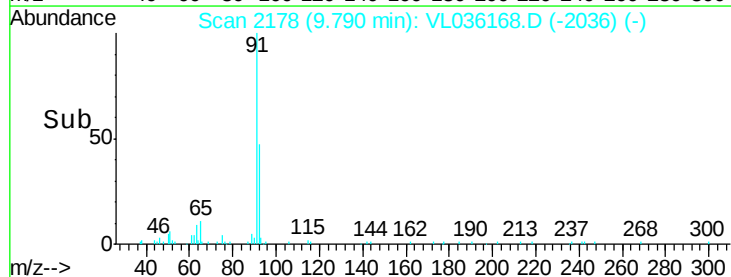
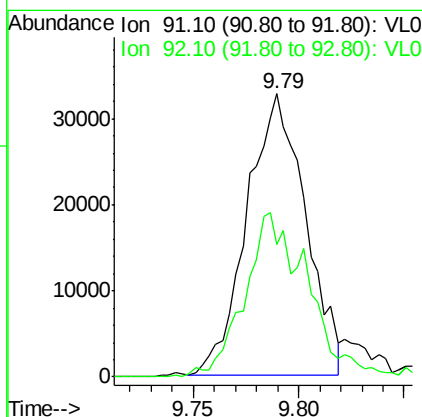
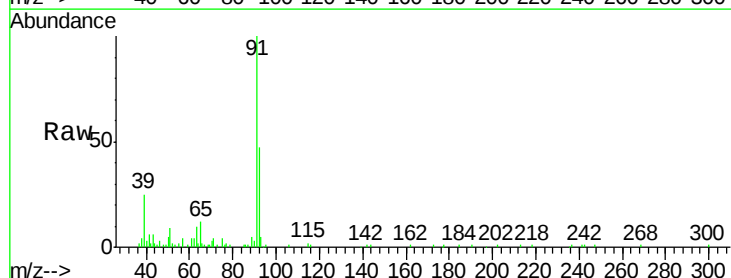
RT: 9.79 min Scan# 2178

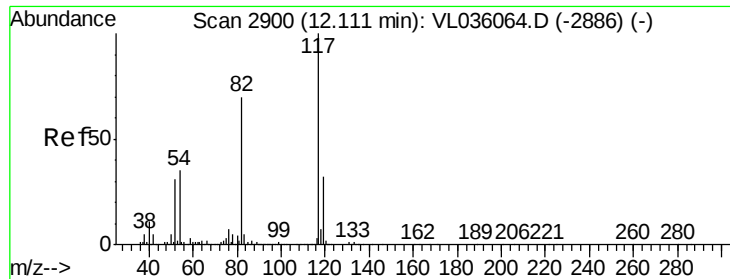
Delta R.T. -0.04 min

Lab File: VL036168.D

Acq: 16 Dec 2020 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.4	48.2	72.2





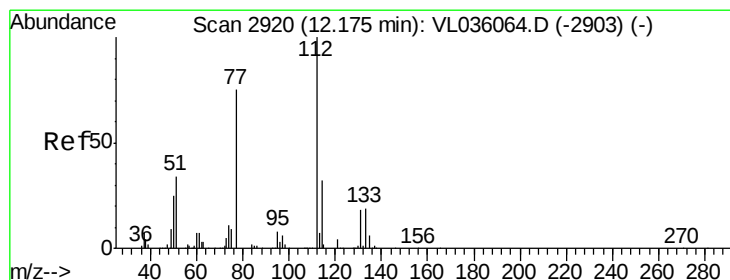
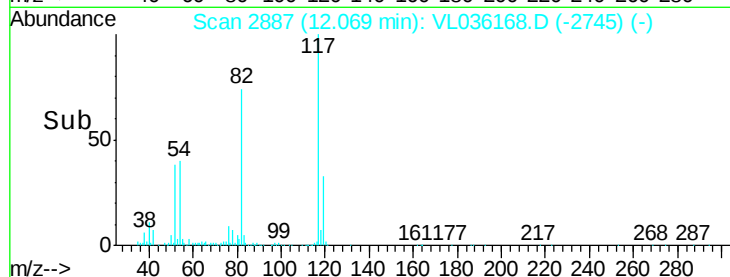
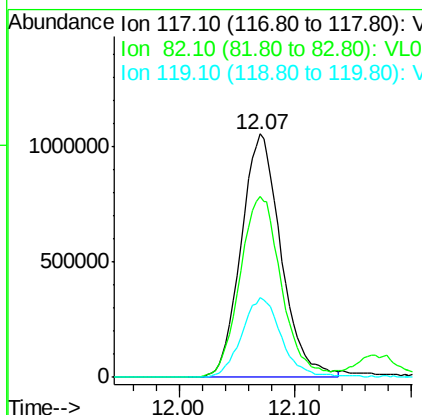
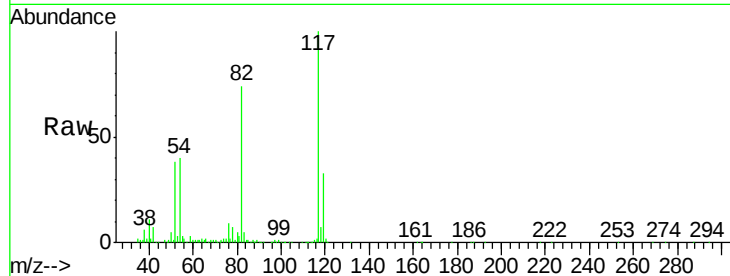
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.04 min
Lab File: VL036168.D
Acq: 16 Dec 2020 16:05

Instrument :
MSVOA_L
ClientSampled :
SV2

Tgt Ion	Ratio	Lower	Upper
117	100		
82	77.0	0.0	0.0#
119	32.8	0.0	0.0#

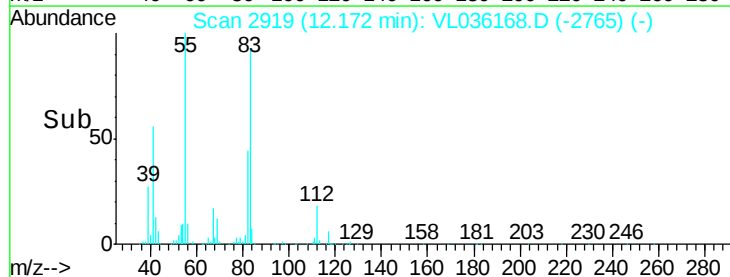
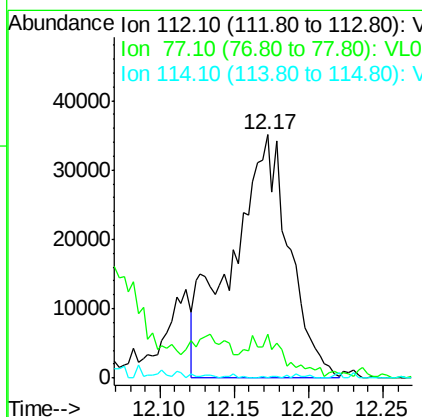
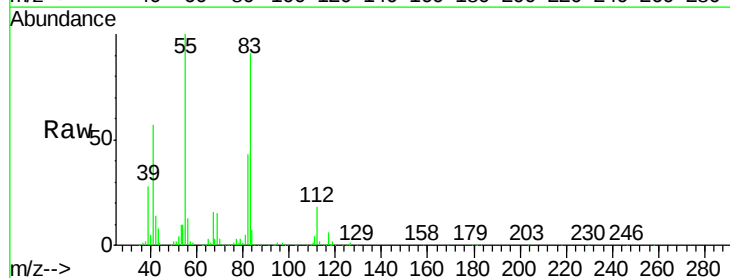
Manual Integrations
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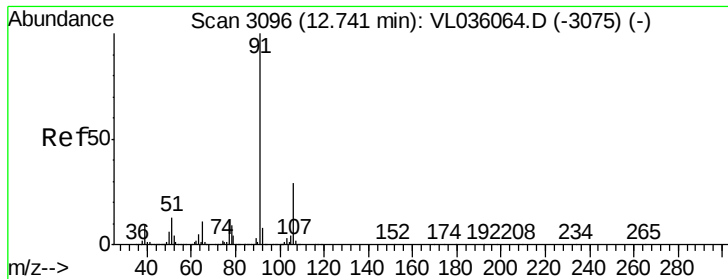
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#57
Chlorobenzene
Concen: 0.533 ppbv m
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL036168.D
Acq: 16 Dec 2020 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
77	17.9	60.5	90.7#
114	0.0	29.2	35.6#





#58

Ethyl Benzene

Concen: 0.138 ppbv m

RT: 12.70 min Scan# 3083

Delta R.T. -0.04 min

Lab File: VL036168.D

Acq: 16 Dec 2020 16:05

Instrument :

MSVOA_L

ClientSampled :

SV2

Tgt Ion: 91 Resp: 47776

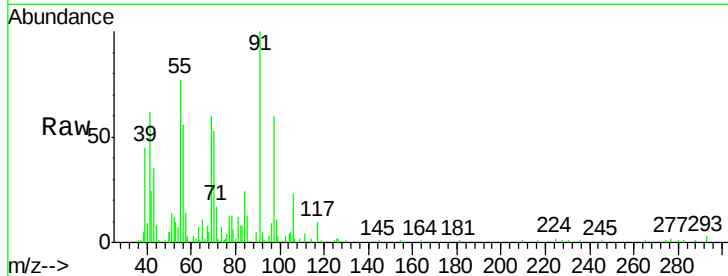
Ion Ratio Lower Upper

91 100

106 23.5 23.0 34.4

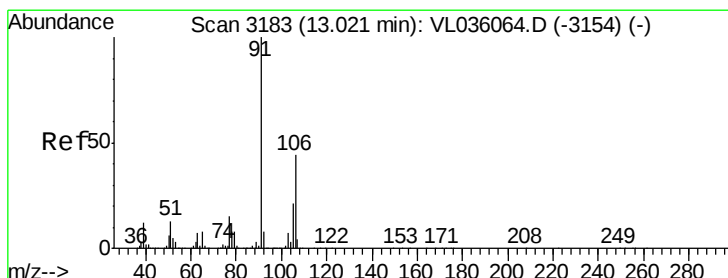
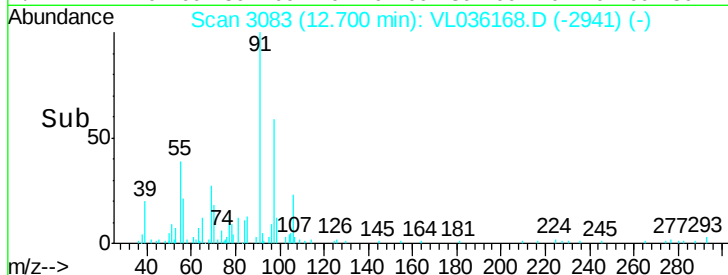
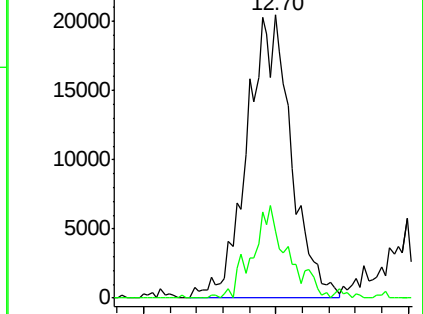
Manual Integrations
APPROVED

MMDadoda
12/17/2020 3:55:56 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.253 ppbv m

RT: 12.95 min Scan# 3162

Delta R.T. -0.07 min

Lab File: VL036168.D

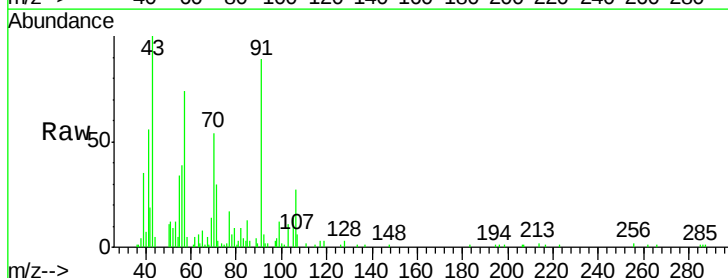
Acq: 16 Dec 2020 16:05

Tgt Ion: 91 Resp: 73752

Ion Ratio Lower Upper

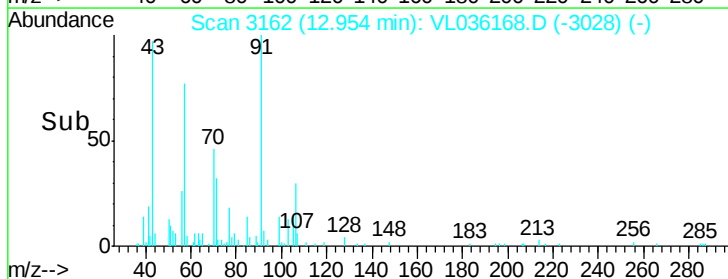
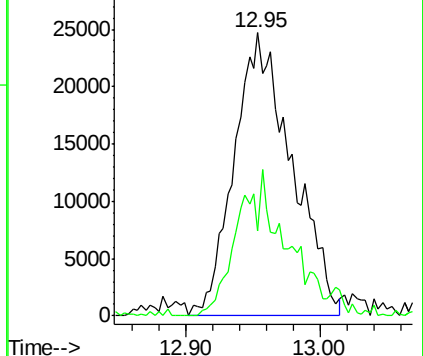
91 100

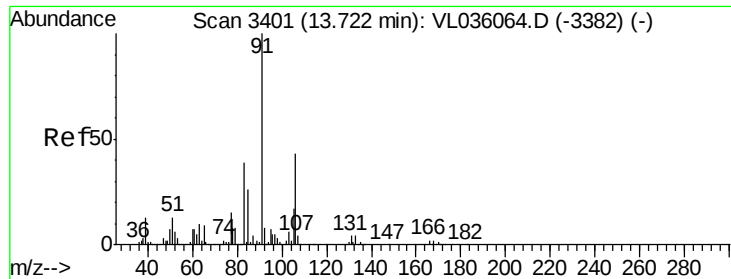
106 0.0 33.6 50.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





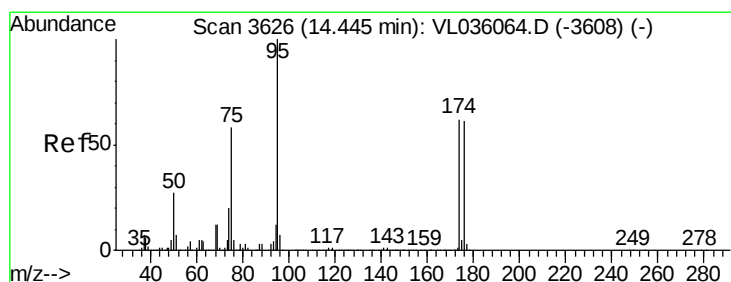
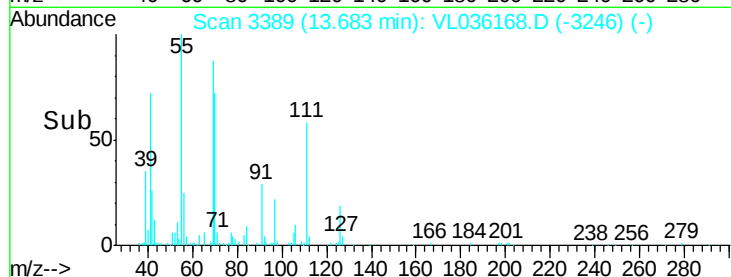
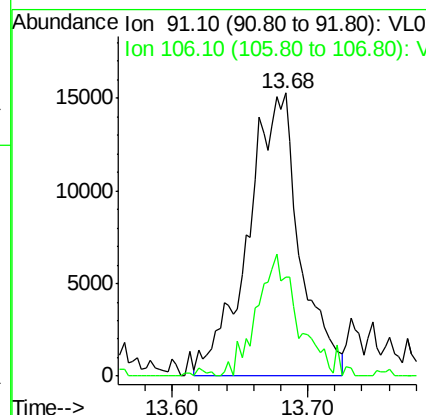
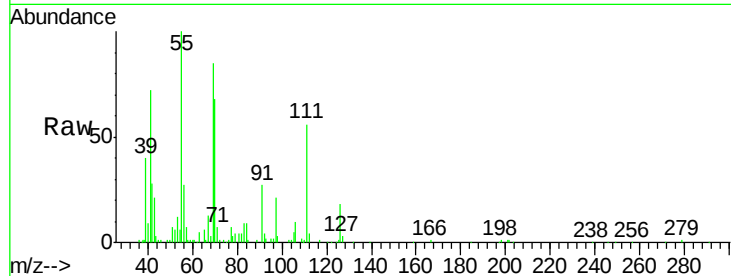
#60
o-Xylene
Concen: 0.149 ppbv m
RT: 13.68 min Scan# 3389
Delta R.T. -0.04 min
Lab File: VL036168.D
Acq: 16 Dec 2020 16:05

Instrument :
MSVOA_L
ClientSampled :
SV2

Tgt Ion: 91 Resp: 40862
Ion Ratio Lower Upper
91 100
106 35.3 21.6 64.6

Manual Integrations
APPROVED

MMDadoda
12/17/2020 3:55:56 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 11.016 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.05 min
Lab File: VL036168.D
Acq: 16 Dec 2020 16:05

Tgt Ion: 95 Resp: 2210204
Ion Ratio Lower Upper
95 100
174 58.2 50.7 76.1
175 4.3 4.0 6.0

