

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037180.D
 Acq On : 16 Jun 2021 21:22
 Operator : SY/AP
 Sample : M2713-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 5:38:17 PM

Quant Time: Jun 17 03:44:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 17 03:44:27 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1395195	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4153512	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3667069	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2668970	9.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	12623m	0.146	ppbv	
13) Ethanol	3.62	45	20353m	1.517	ppbv	
15) Acetone	3.87	43	130571	0.830	ppbv #	64
19) Isopropyl Alcohol	4.00	45	97230m	1.020	ppbv	
20) Methylene Chloride	4.35	84	96536	1.025	ppbv	95
24) 1,1-Dichloroethane	5.01	63	37819	0.208	ppbv #	90
26) Hexane	5.69	57	49032	0.285	ppbv #	50
32) 1,1,1-Trichloroethane	6.51	97	1045643	3.675	ppbv	99
34) 2-Butanone	5.27	43	23952	0.148	ppbv #	55
50) 4-Methyl-2-Pentanone	8.78	43	59911m	0.270	ppbv	
53) Toluene	9.81	91	260246	0.649	ppbv	96
58) Ethyl Benzene	12.71	91	126652	0.251	ppbv #	84
59) m/p-Xylene	12.97	91	601904	1.407	ppbv	96
60) o-Xylene	13.69	91	266819	0.655	ppbv	100

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

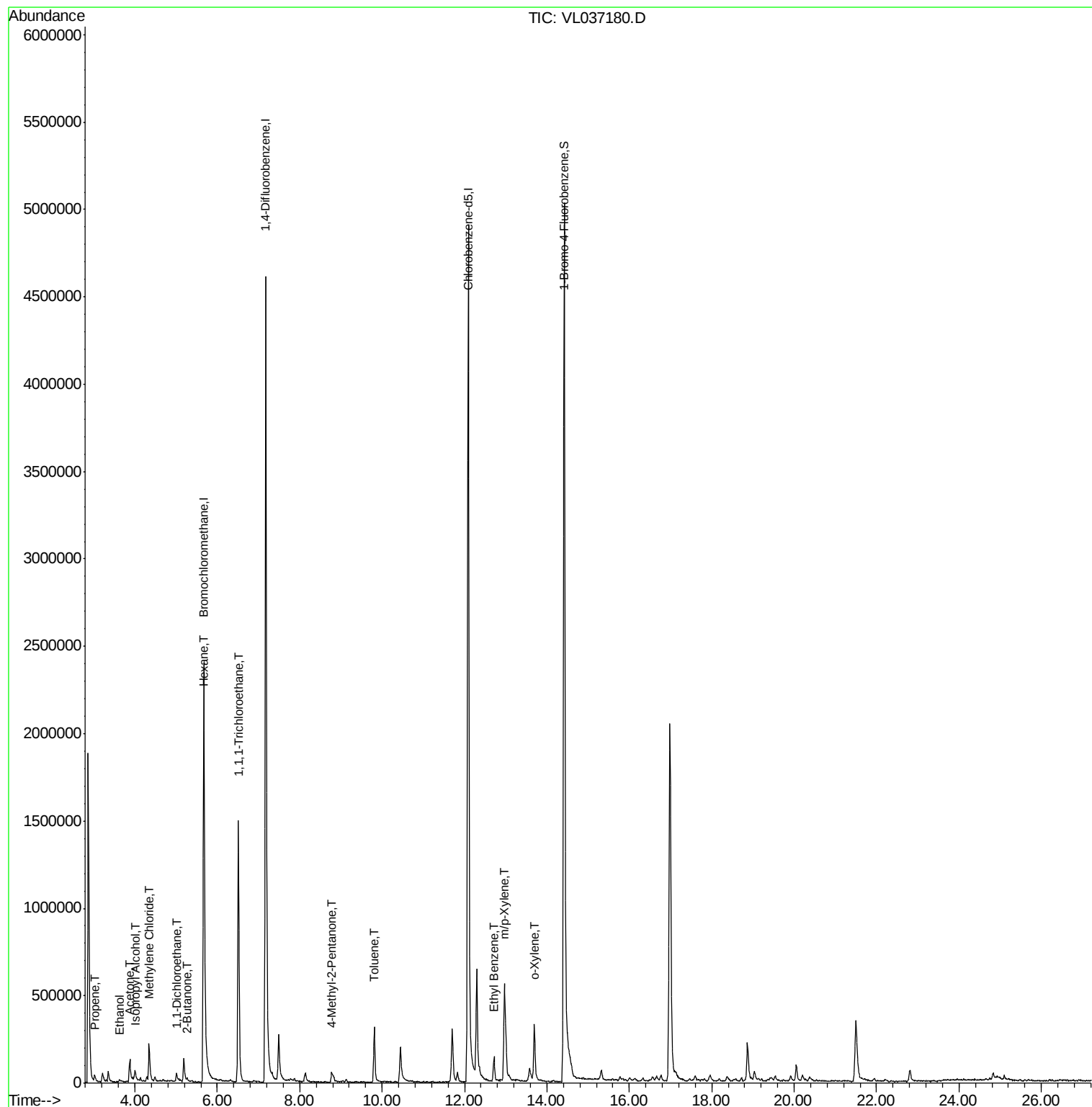
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061621\
Data File : VL037180.D
Acq On : 16 Jun 2021 21:22
Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

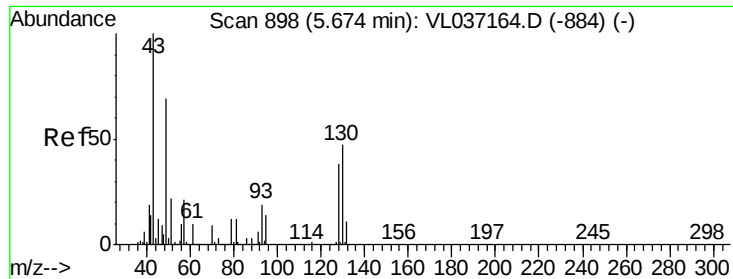
Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

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Quant Time: Jun 17 03:44:27 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037180.D

Acq: 16 Jun 2021 21:22

Instrument :

MSVOA_L

ClientSampled :

MIDDLE

Tot Ion: 49 Resp: 1395195

Ion Ratio Lower Upper

49 100

128 57.2 29.3 88.0

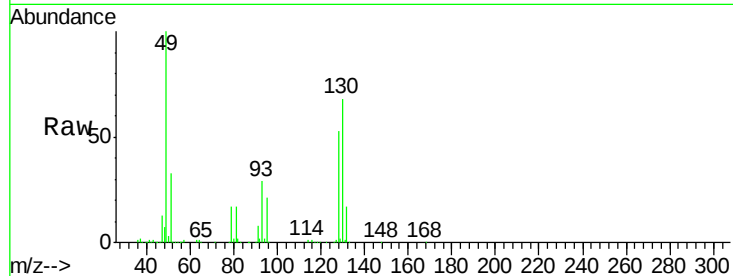
130 74.7 35.9 107.8

Manual Integrations

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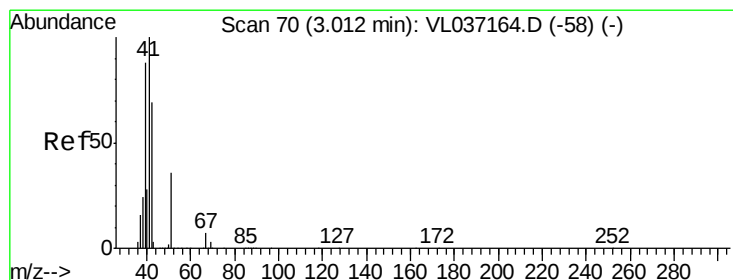
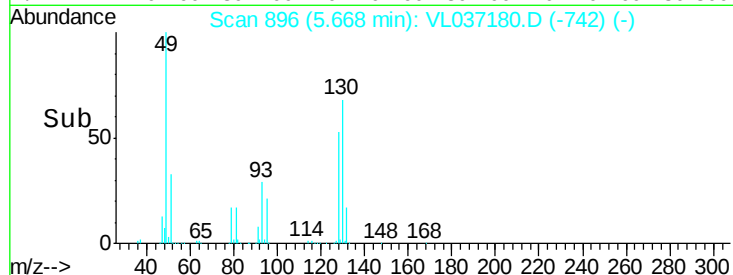
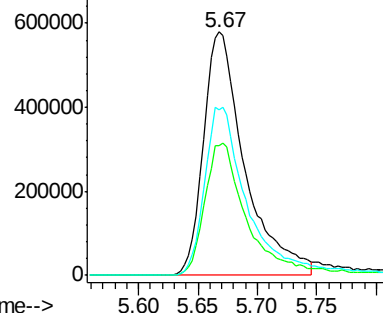
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.146 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037180.D

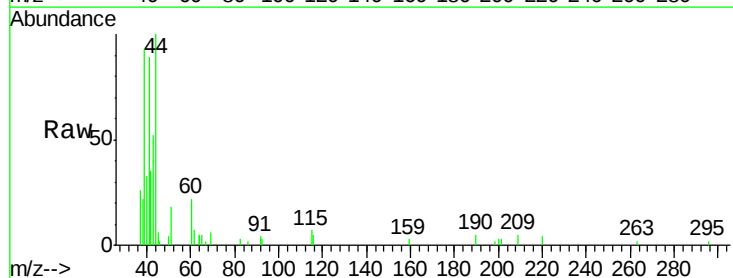
Acq: 16 Jun 2021 21:22

Tgt Ion: 41 Resp: 12623

Ion Ratio Lower Upper

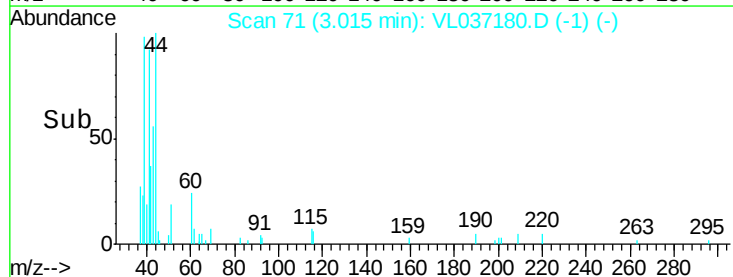
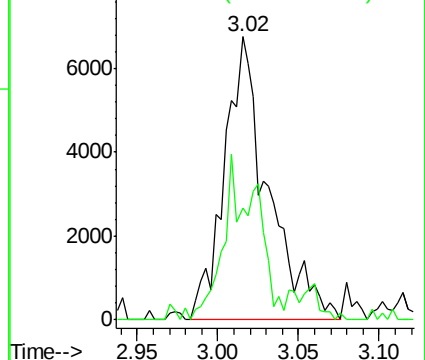
41 100

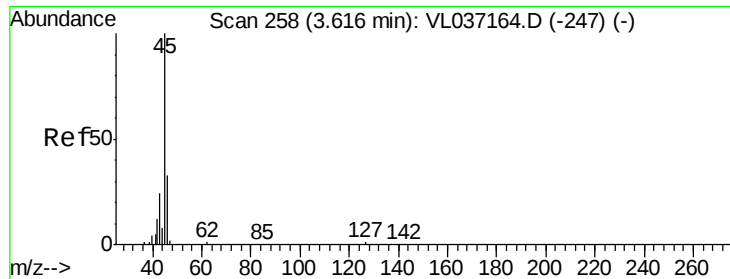
42 48.0 54.5 81.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





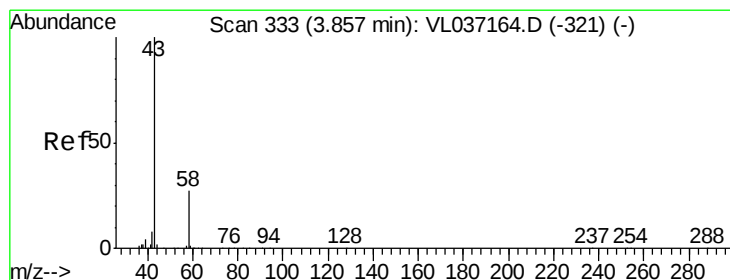
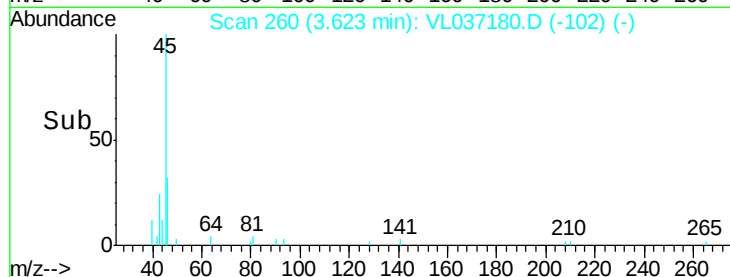
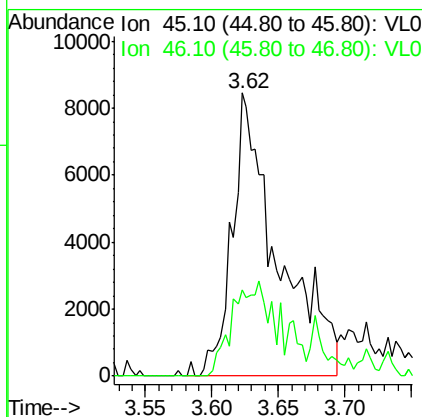
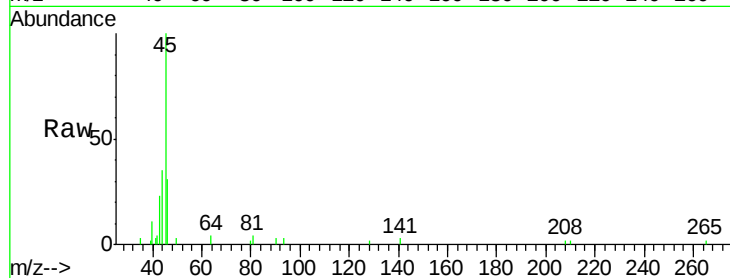
#13
Ethanol
Concen: 1.517 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037180.D
Acq: 16 Jun 2021 21:22

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	34.2	137.0#

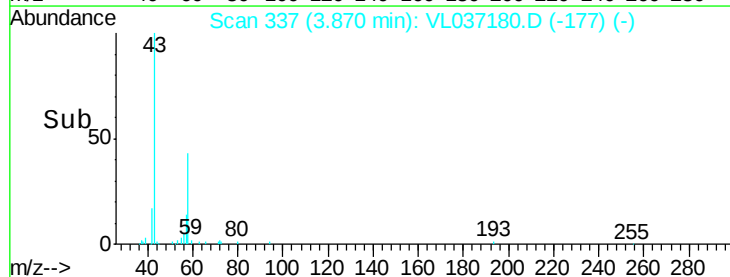
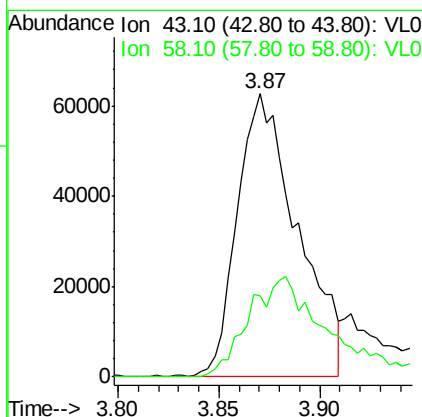
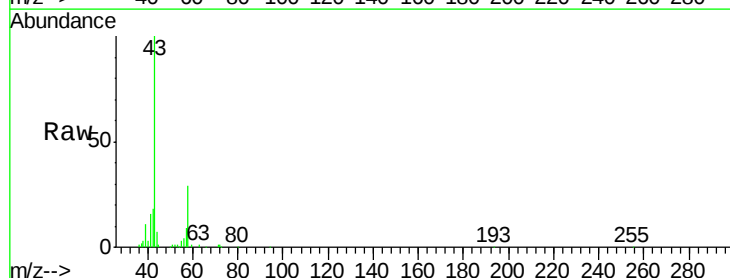
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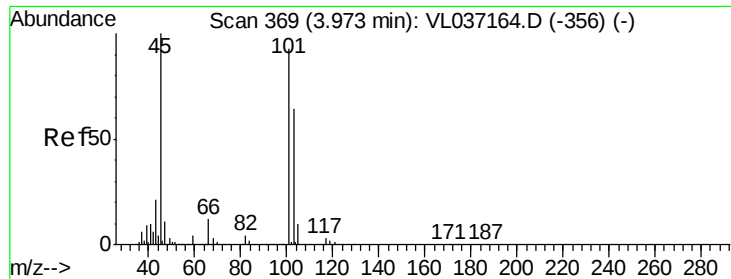
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#15
Acetone
Concen: 0.830 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL037180.D
Acq: 16 Jun 2021 21:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.1	23.7	35.5#





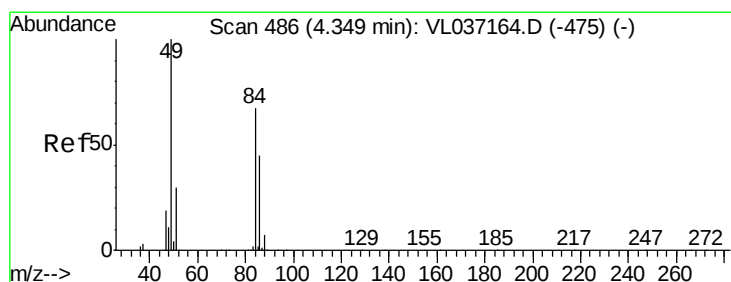
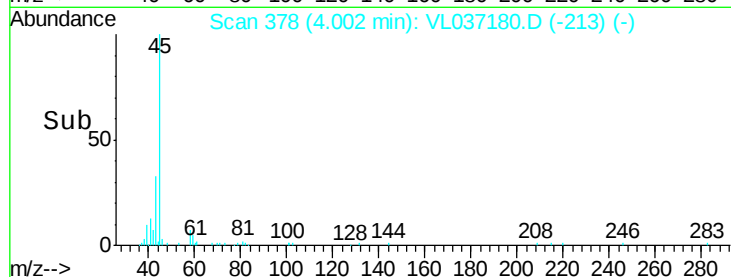
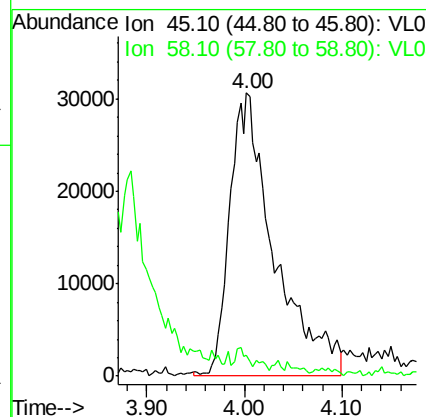
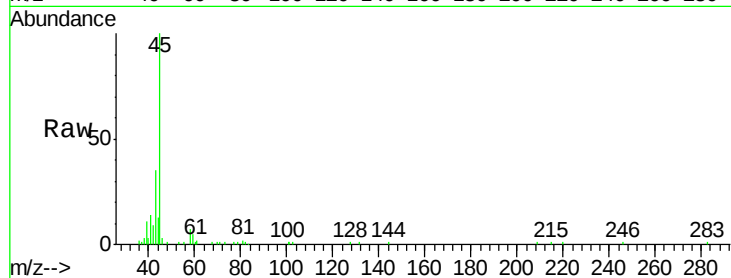
#19
Isopropyl Alcohol
Concen: 1.020 ppbv
RT: 4.00 min Scan# 378
Delta R.T. 0.03 min
Lab File: VL037180.D
Acq: 16 Jun 2021 21:22

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tot Ion: 45 Resp: 97230
Ion Ratio Lower Upper
45 100
58 7.5 2.4 3.6#

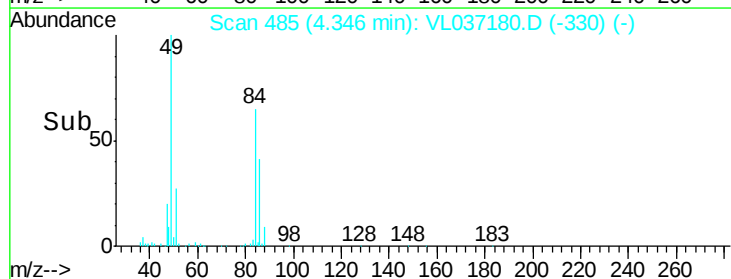
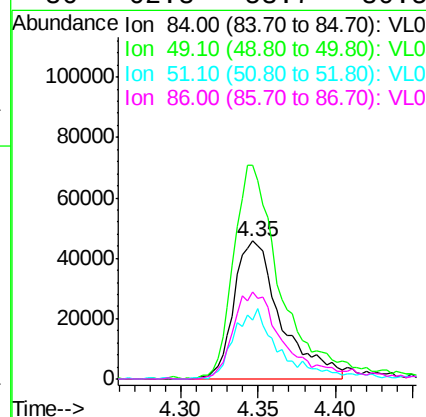
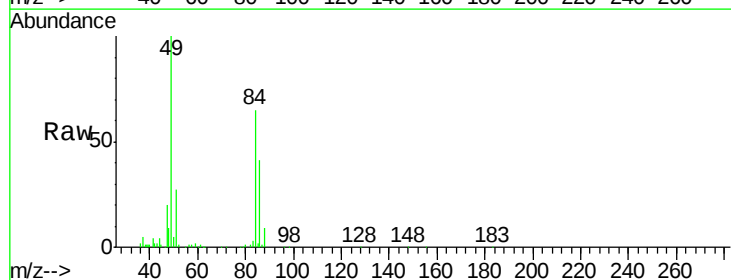
Manual Integrations
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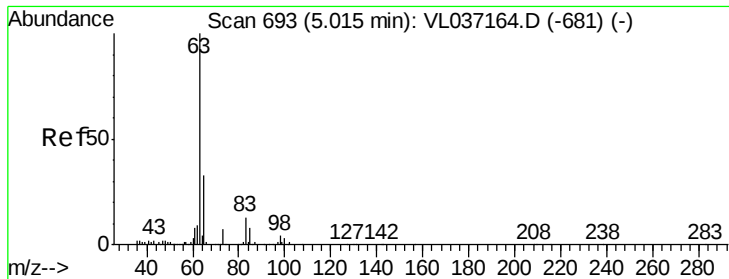
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#20
Methylene Chloride
Concen: 1.025 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL037180.D
Acq: 16 Jun 2021 21:22

Tgt Ion: 84 Resp: 96536
Ion Ratio Lower Upper
84 100
49 154.8 119.7 179.5
51 41.8 36.1 54.1
86 62.8 53.7 80.5





#24

1,1-Dichloroethane

Concen: 0.208 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL037180.D

Acq: 16 Jun 2021 21:22

Instrument :

MSVOA_L

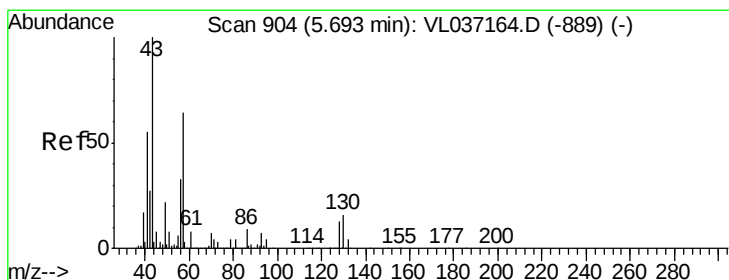
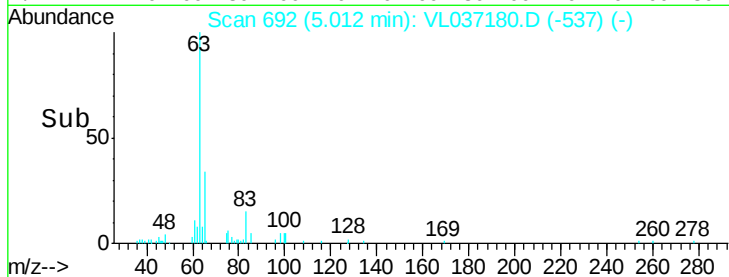
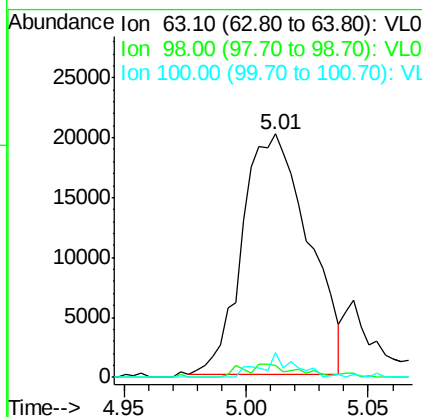
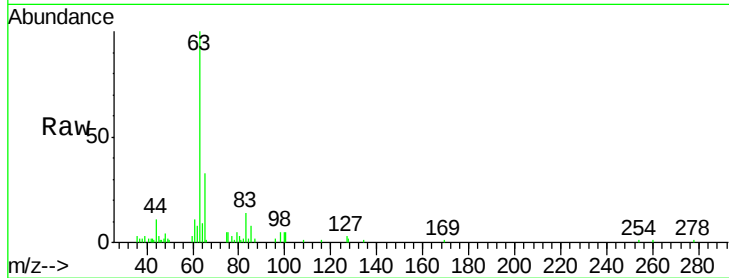
ClientSampled :

MIDDLE

Tot Ion	Ratio	Resp	Lower	Upper
63	100	37819		
98	4.9		2.1	6.5
100	10.0		1.4	4.0#

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#26

Hexane

Concen: 0.285 ppbv

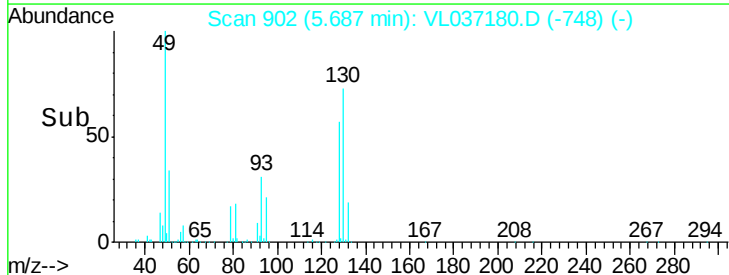
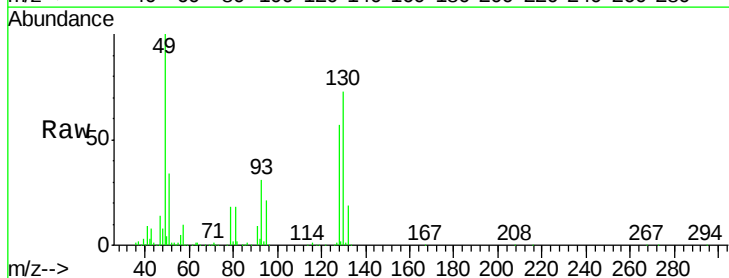
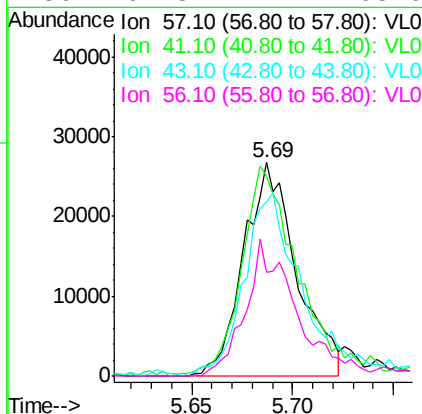
RT: 5.69 min Scan# 902

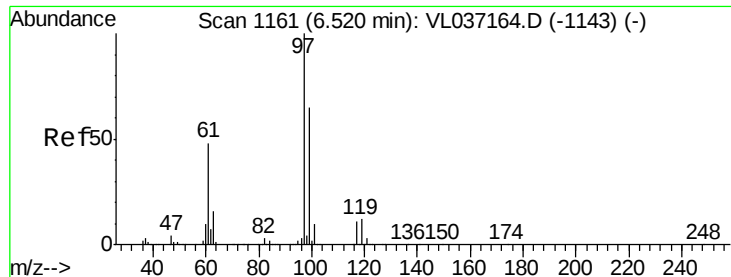
Delta R.T. -0.01 min

Lab File: VL037180.D

Acq: 16 Jun 2021 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	49032		
41	112.3		73.5	110.3#
43	101.6		170.7	256.1#
56	62.8		42.4	63.6





#32

1,1,1-Trichloroethane

Concen: 3.675 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL037180.D

Acq: 16 Jun 2021 21:22

Instrument :

MSVOA_L

ClientSampled :

MIDDLE

Tot Ion: 97 Resp: 1045643

Ion Ratio Lower Upper

97 100

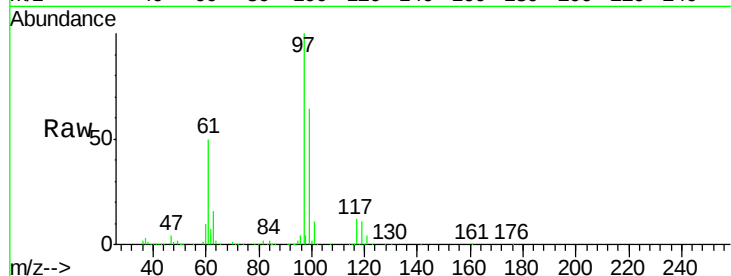
99 65.3 52.2 78.4

61 49.8 38.8 58.2

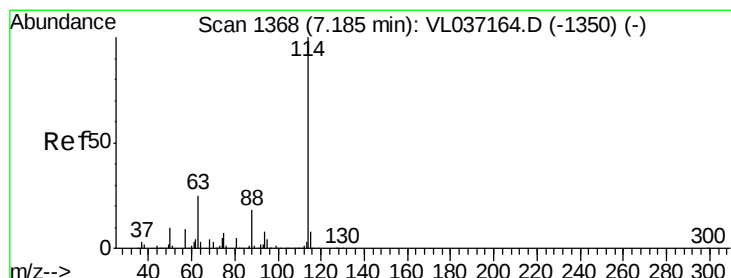
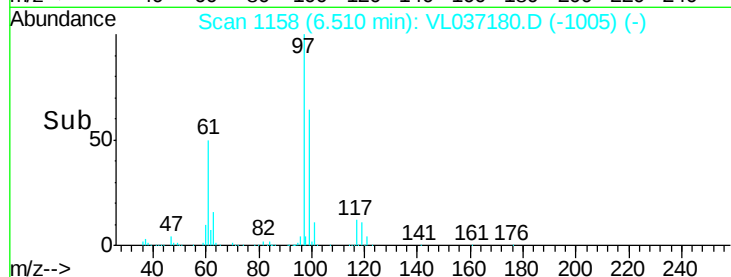
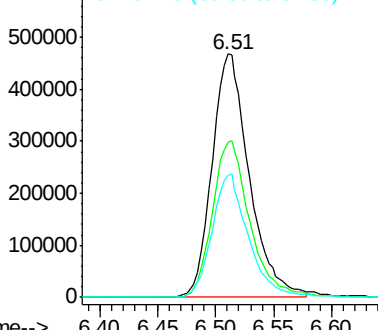
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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL037180.D

Acq: 16 Jun 2021 21:22

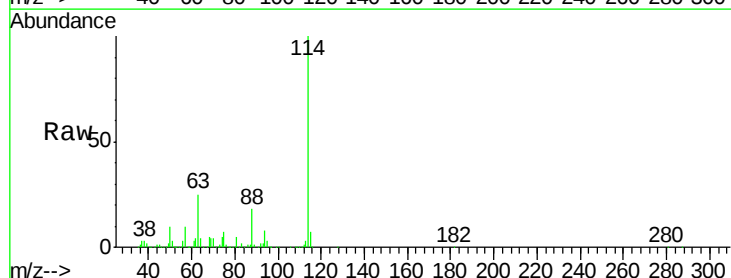
Tgt Ion: 114 Resp: 4153512

Ion Ratio Lower Upper

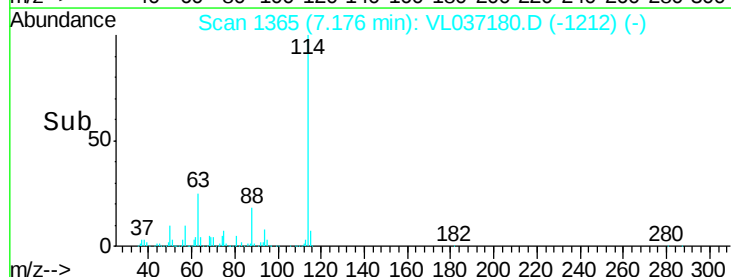
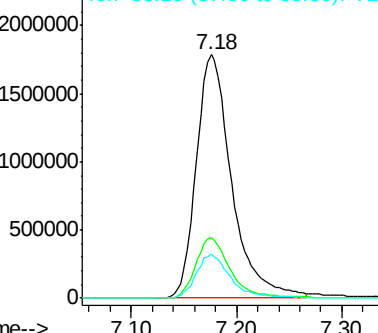
114 100

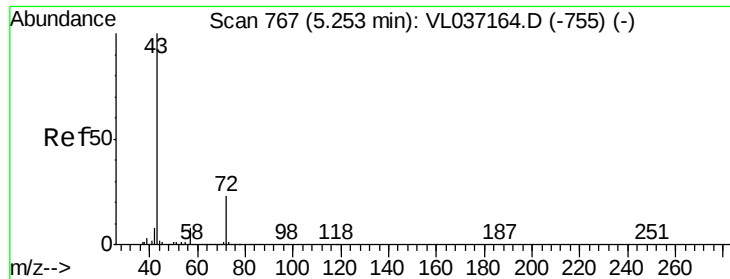
63 24.6 19.6 29.4

88 17.7 14.2 21.2



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 0.148 ppbv

RT: 5.27 min Scan# 773

Delta R.T. 0.02 min

Lab File: VL037180.D

Acq: 16 Jun 2021 21:22

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

Tot Ion: 43 Resp: 23952

Ion Ratio Lower Upper

43 100

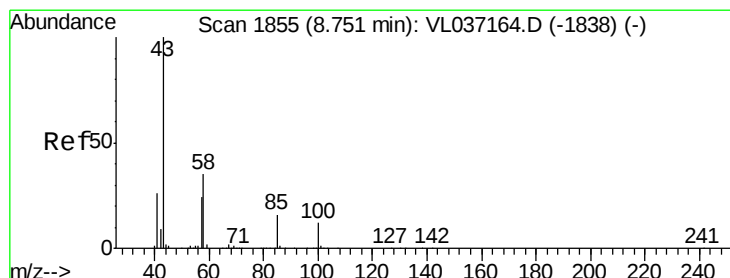
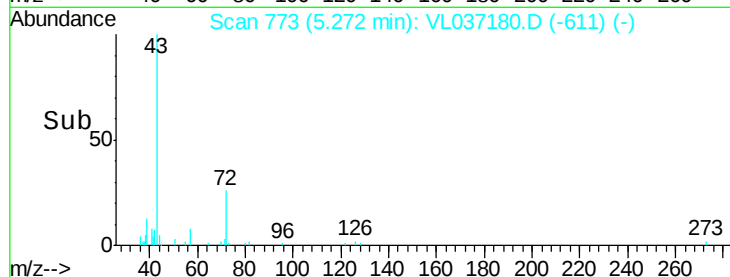
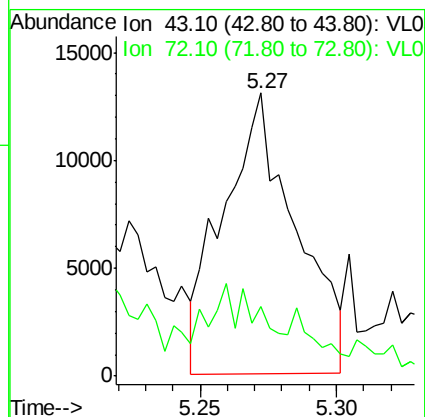
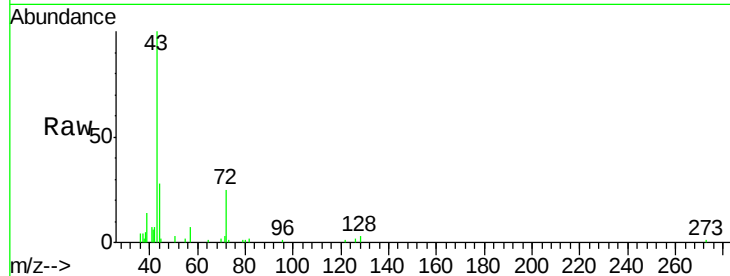
72 45.9 18.9 28.3#

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#50

4-Methyl-2-Pentanone

Concen: 0.270 ppbv m

RT: 8.78 min Scan# 1865

Delta R.T. 0.03 min

Lab File: VL037180.D

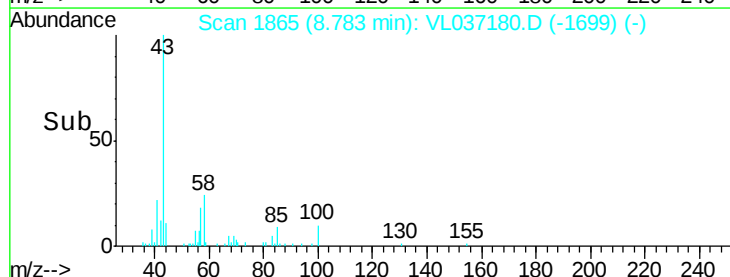
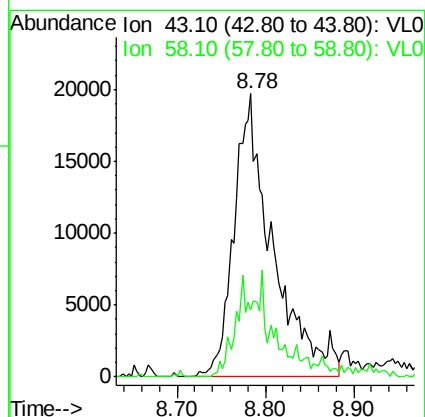
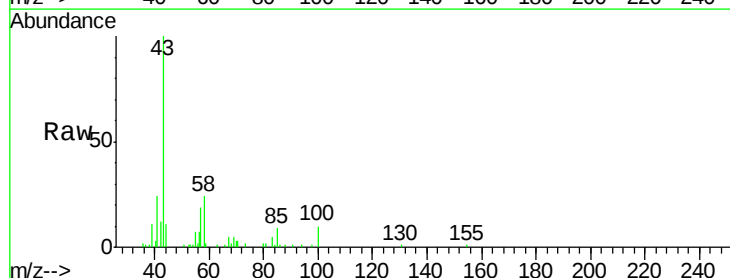
Acq: 16 Jun 2021 21:22

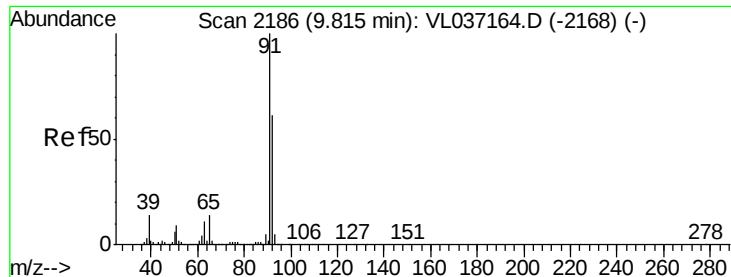
Tgt Ion: 43 Resp: 59911

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#





#53

Toluene

Concen: 0.649 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VL037180.D

Acq: 16 Jun 2021 21:22

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

Tot Ion: 91 Resp: 260246

Ion Ratio Lower Upper

91 100

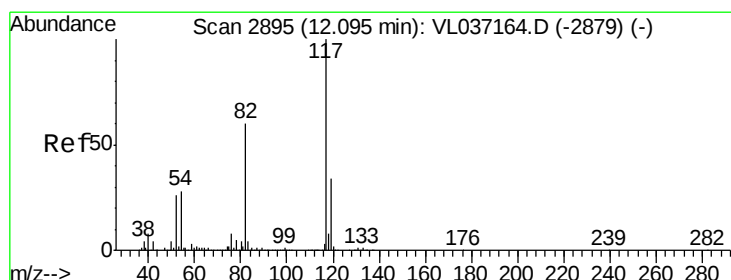
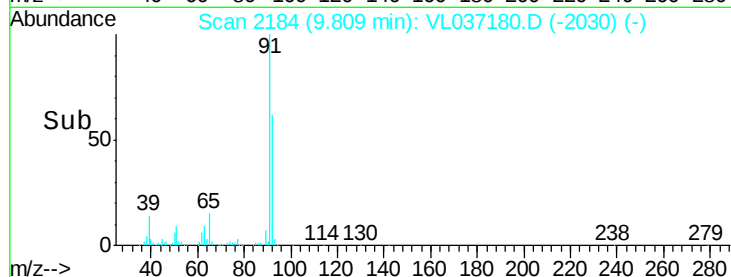
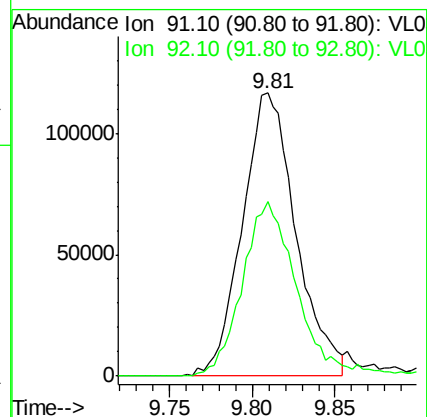
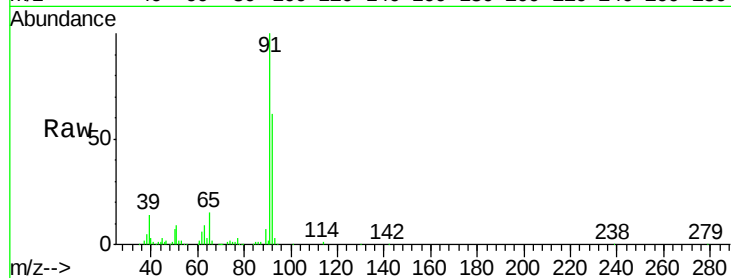
92 63.8 48.3 72.5

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL037180.D

Acq: 16 Jun 2021 21:22

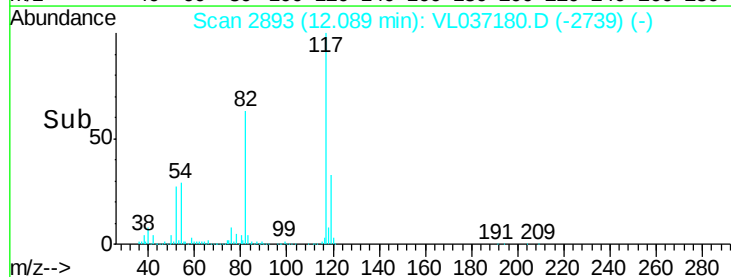
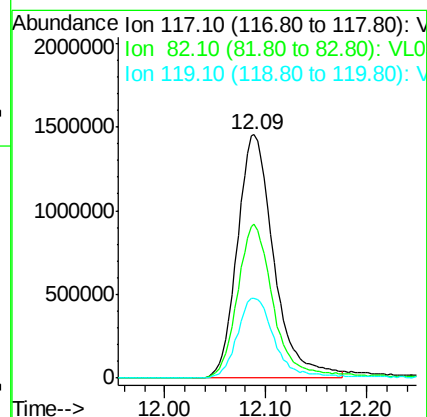
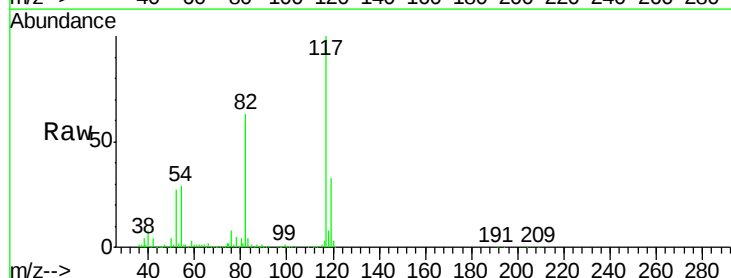
Tgt Ion: 117 Resp: 3667069

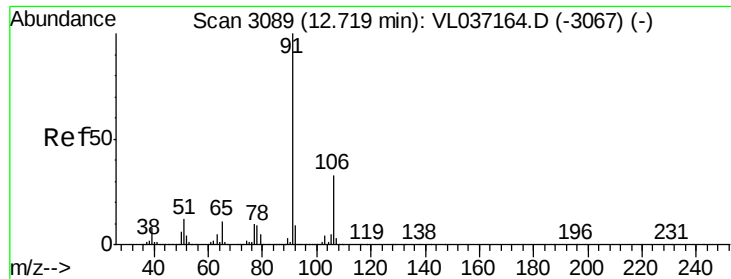
Ion Ratio Lower Upper

117 100

82 63.8 51.7 77.5

119 34.3 47.6 71.4#





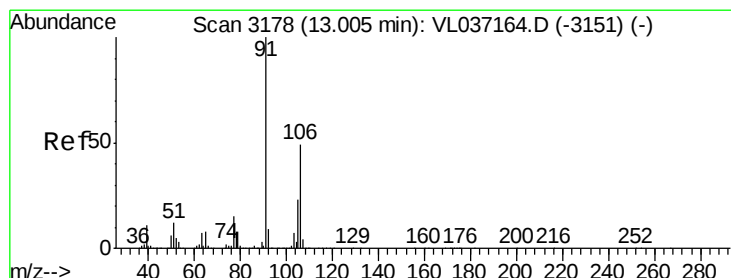
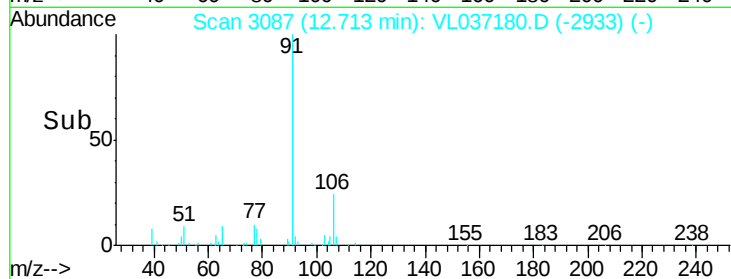
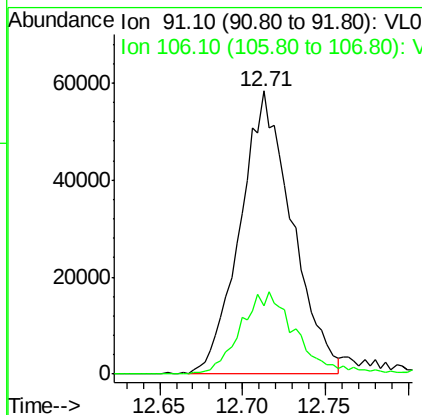
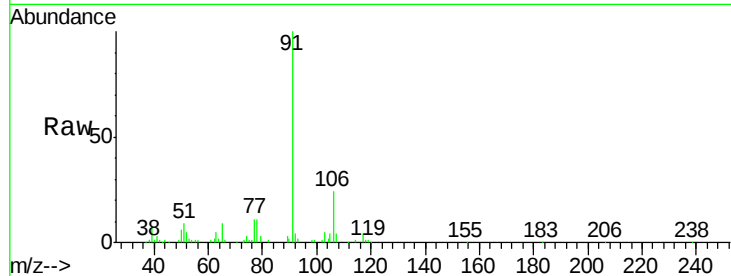
#58
Ethyl Benzene
Concen: 0.251 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL037180.D
Acq: 16 Jun 2021 21:22

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tot Ion: 91 Resp: 126652
Ion Ratio Lower Upper
91 100
106 23.7 26.3 39.5#

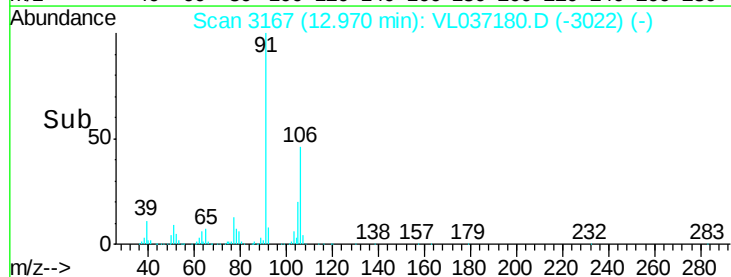
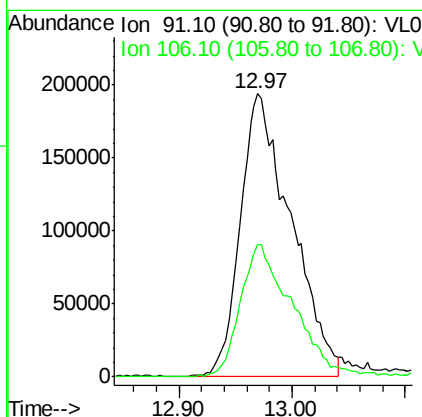
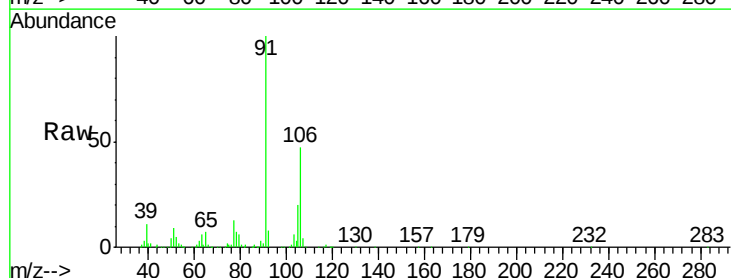
Manual Integrations
APPROVED

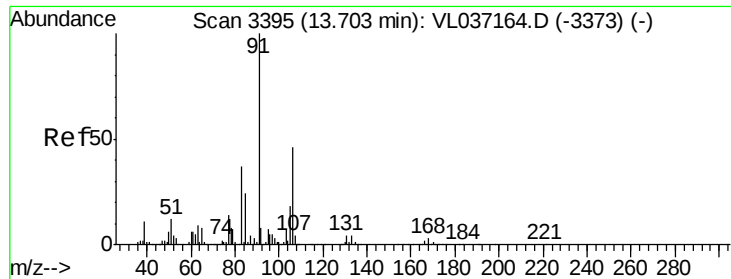
MMDadoda
6/17/2021 5:38:17 PM



#59
m/p-Xylene
Concen: 1.407 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL037180.D
Acq: 16 Jun 2021 21:22

Tgt Ion: 91 Resp: 601904
Ion Ratio Lower Upper
91 100
106 48.6 37.0 55.4





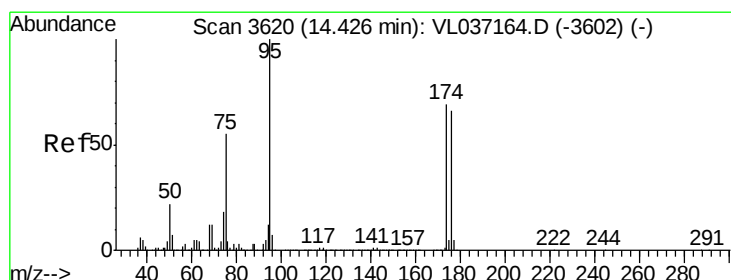
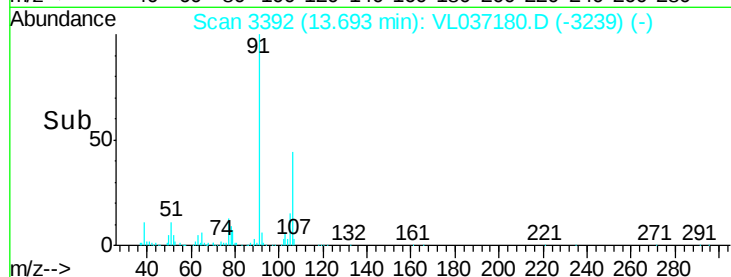
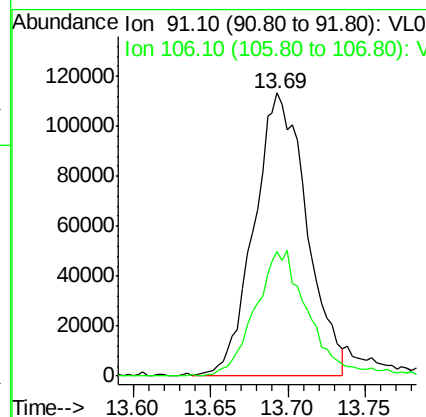
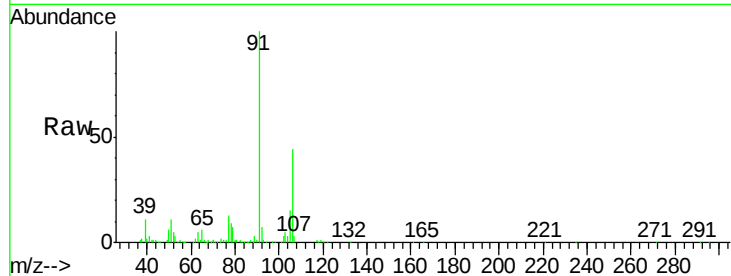
#60
o-Xylene
Concen: 0.655 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037180.D
Acq: 16 Jun 2021 21:22

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tot Ion: 91 Resp: 266819
Ion Ratio Lower Upper
91 100
106 45.7 23.0 69.0

Manual Integrations
APPROVED

MMDadoda
6/17/2021 5:38:17 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.605 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL037180.D
Acq: 16 Jun 2021 21:22

Tgt Ion: 95 Resp: 2668970
Ion Ratio Lower Upper
95 100
174 76.6 57.0 85.4
175 5.4 4.4 6.6

