

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037334.D
 Acq On : 5 Aug 2021 8:36
 Operator : SY/AP
 Sample : M3211-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Manual Integrations
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 8/5/2021 1:41:23 PM

Quant Time: Aug 05 09:12:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1045799	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3462958	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2961936	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2118425	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	75076	0.976	ppbv #	67
11) Trichlorofluoromethane	3.94	101	251870m	1.289	ppbv	
13) Ethanol	3.61	45	332874	28.744	ppbv	98
15) Acetone	3.85	43	1382575	12.171	ppbv	98
19) Isopropyl Alcohol	3.98	45	78983m	1.256	ppbv	
20) Methylene Chloride	4.34	84	38378m	0.408	ppbv	
26) Hexane	5.68	57	30495	0.184	ppbv #	64
29) Chloroform	5.75	83	26939m	0.129	ppbv	
34) 2-Butanone	5.25	43	87698m	0.730	ppbv	
53) Toluene	9.80	91	358829	0.975	ppbv	99
59) m/p-Xylene	12.95	91	112640m	0.307	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	39302m	0.102	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	308073m	1.310	ppbv	

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

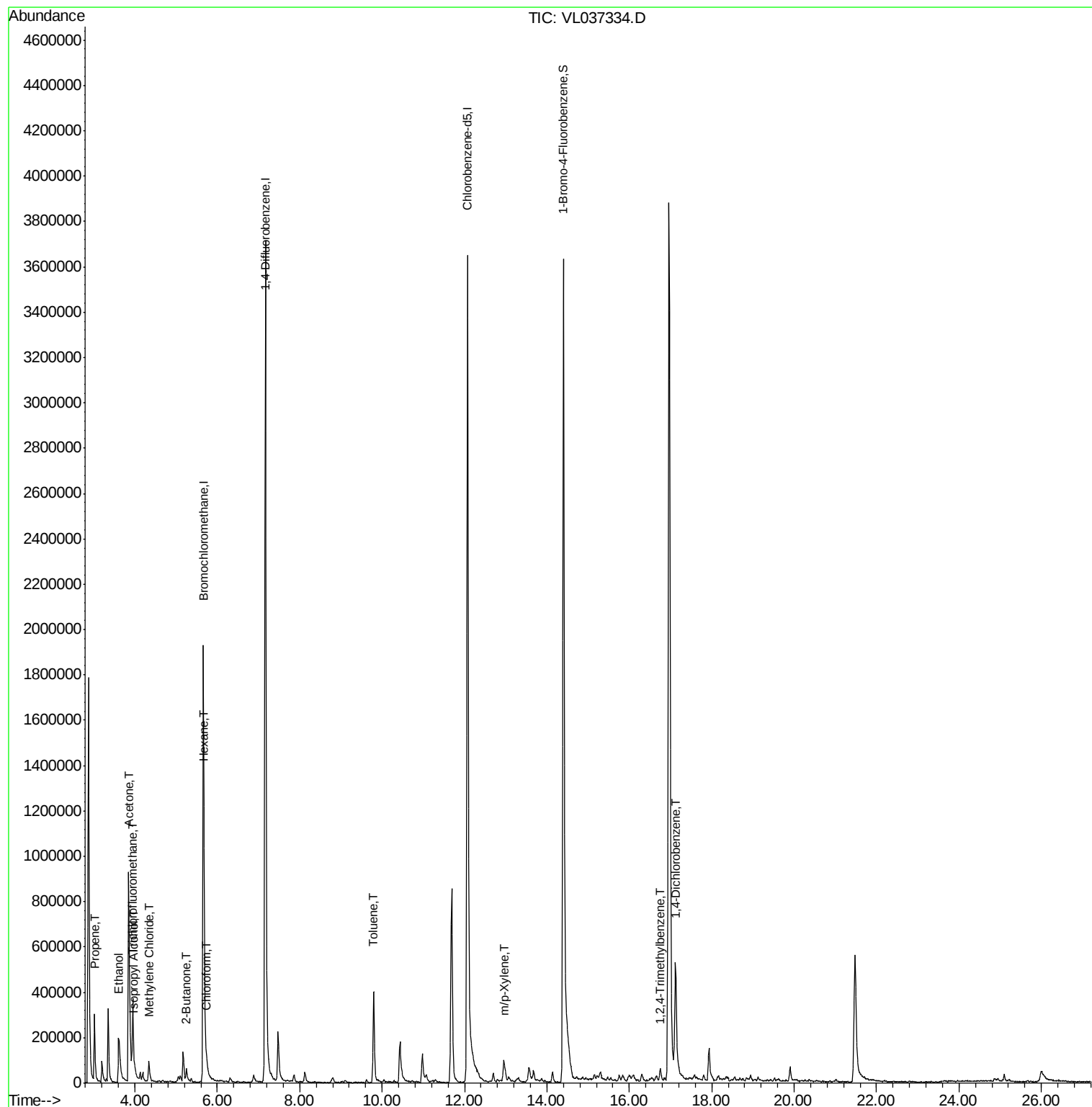
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080421\
Data File : VL037334.D
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

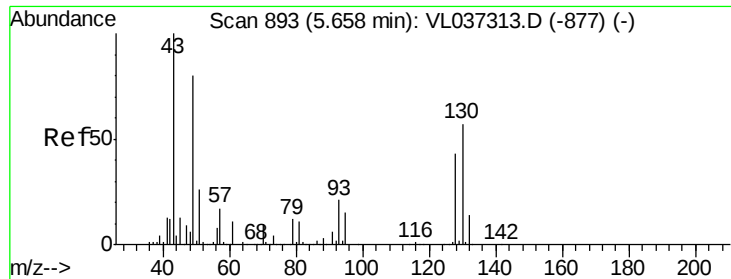
Instrument :
MSVOA_L
ClientSampled :
IA-1DL

Manual Integrations
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Quant Time: Aug 05 09:12:54 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 04 22:53:01 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037334.D

Acq: 5 Aug 2021 8:36

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

Tot Ion: 49 Resp: 1045799

Ion Ratio Lower Upper

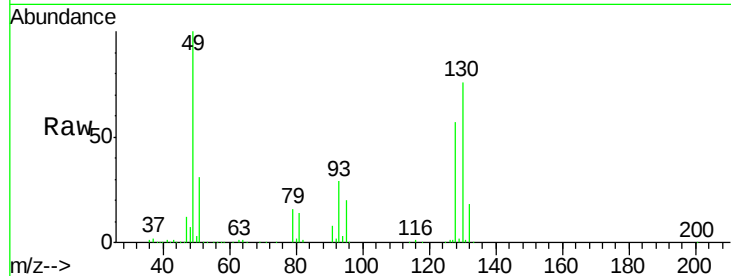
49 100

128 62.0 29.8 89.5

130 80.4 37.5 112.7

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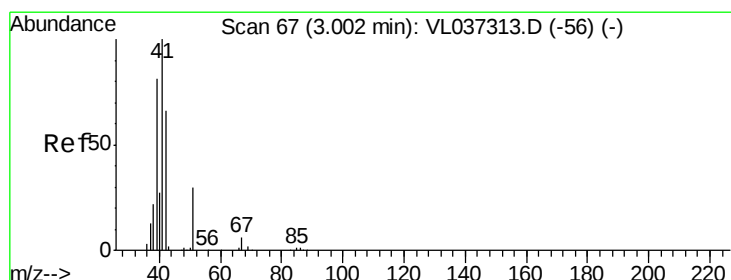
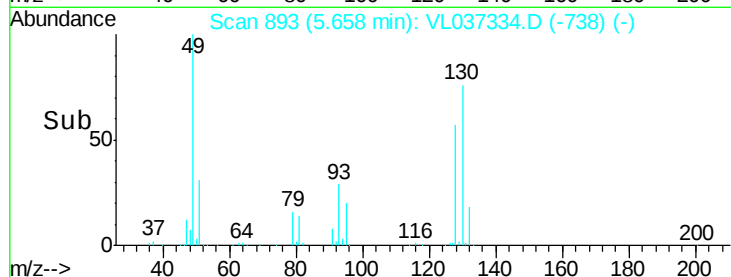
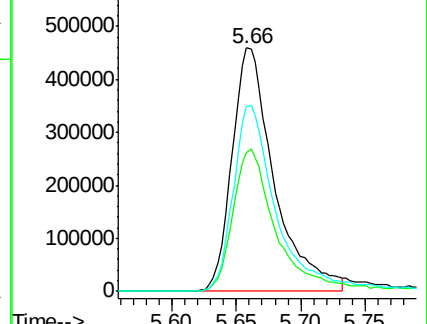
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.976 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037334.D

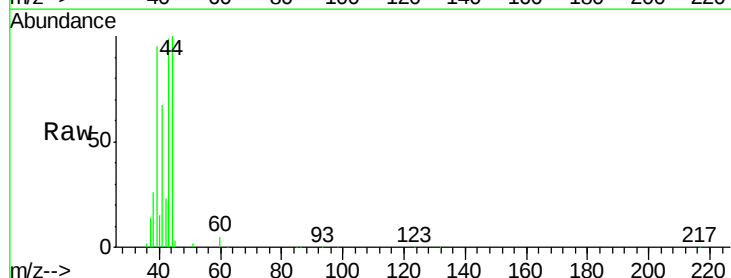
Acq: 5 Aug 2021 8:36

Tgt Ion: 41 Resp: 75076

Ion Ratio Lower Upper

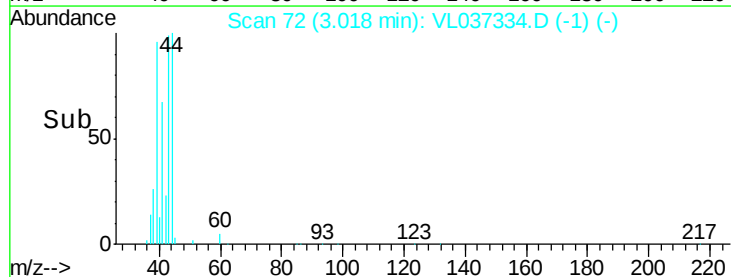
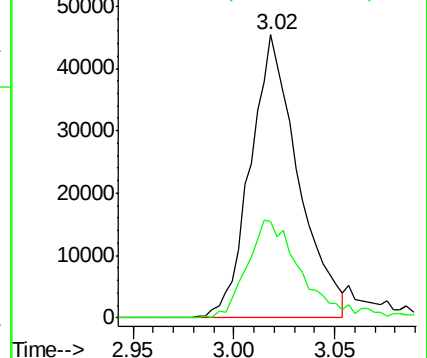
41 100

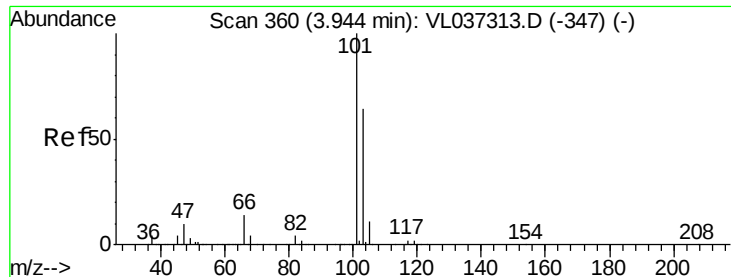
42 40.8 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





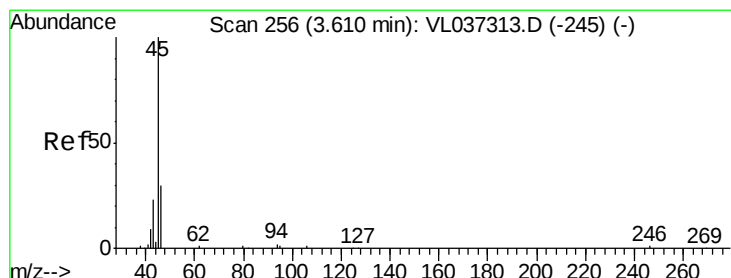
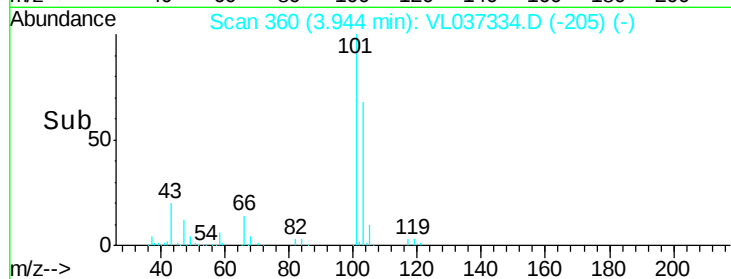
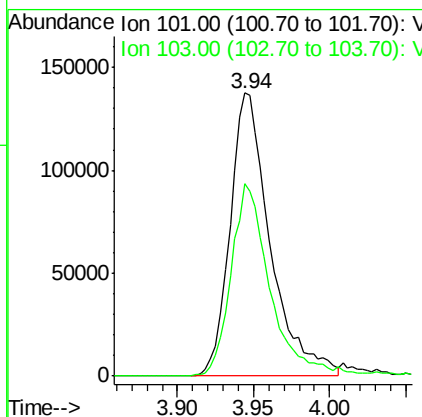
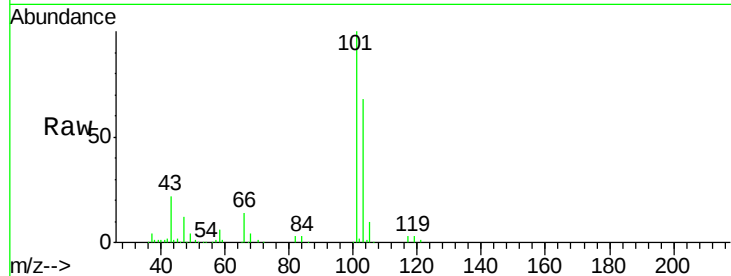
#11
 Trichlorofluoromethane
 Concen: 1.289 ppbv m
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL037334.D
 Acq: 5 Aug 2021 8:36

Instrument :
 MSVOA_L
 ClientSampled :
 IA-1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		251870		
103	67.9	51.6			77.4

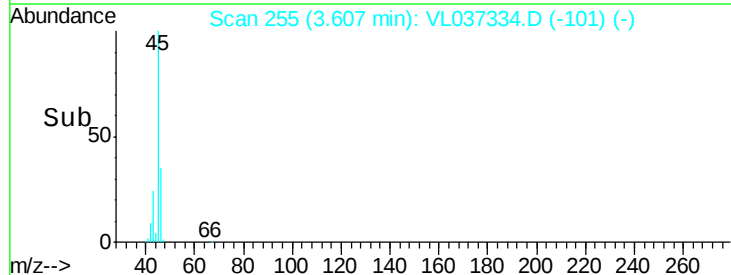
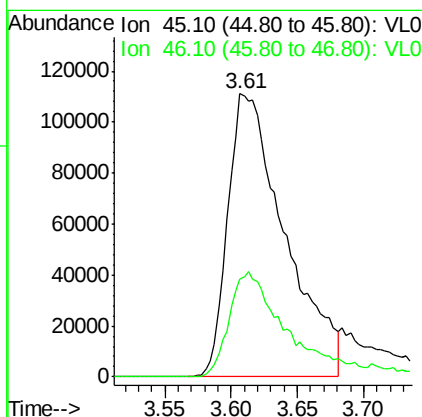
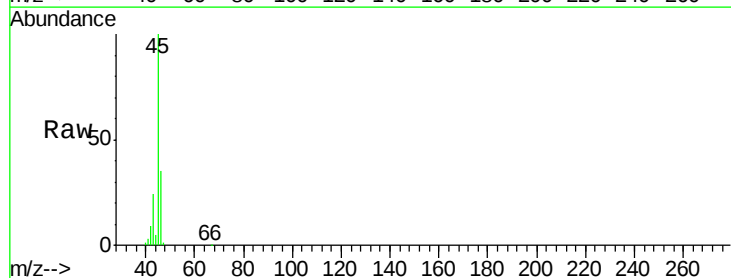
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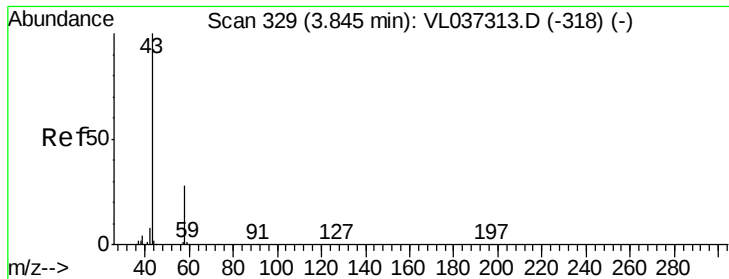
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#13
 Ethanol
 Concen: 28.744 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VL037334.D
 Acq: 5 Aug 2021 8:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		332874		
46	40.4	16.6			66.4





#15

Acetone

Concen: 12.171 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL037334.D

Acq: 5 Aug 2021 8:36

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

Tot Ion: 43 Resp: 1382575

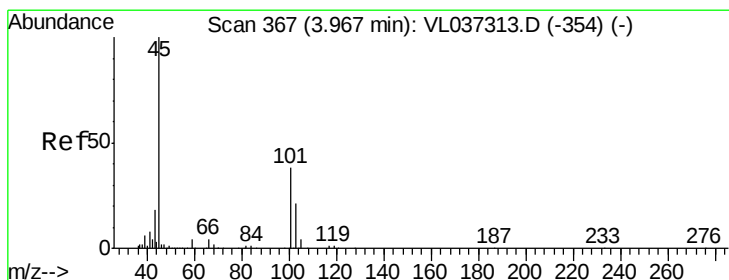
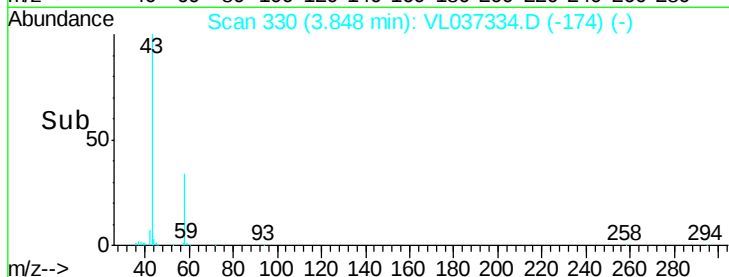
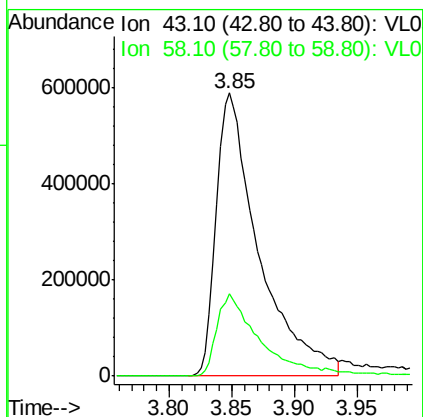
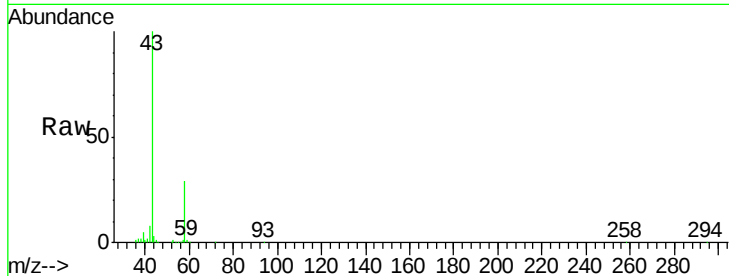
Ion Ratio Lower Upper

43 100

58 30.7 25.3 37.9

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#19

Isopropyl Alcohol

Concen: 1.256 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.02 min

Lab File: VL037334.D

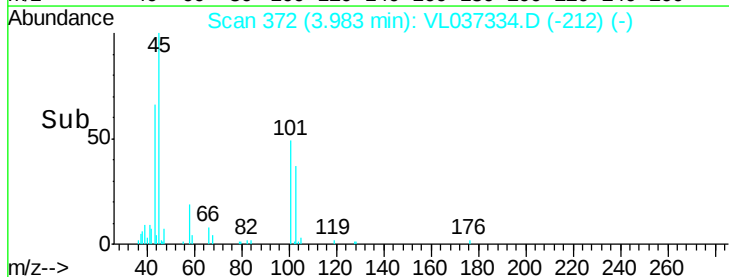
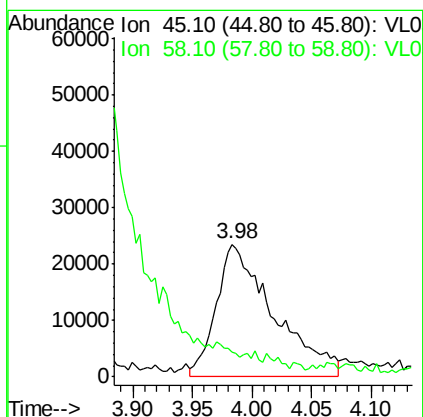
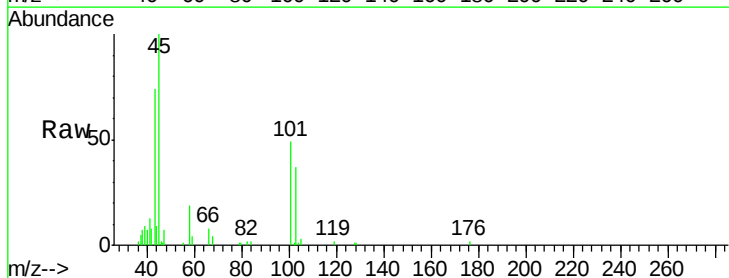
Acq: 5 Aug 2021 8:36

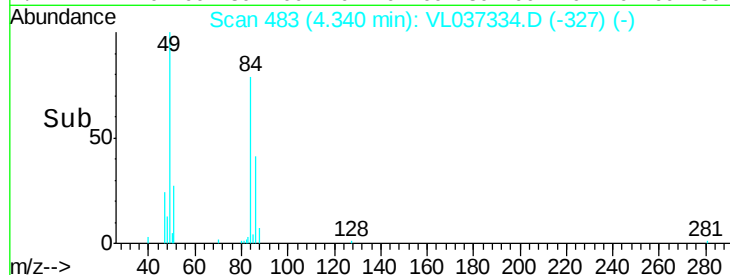
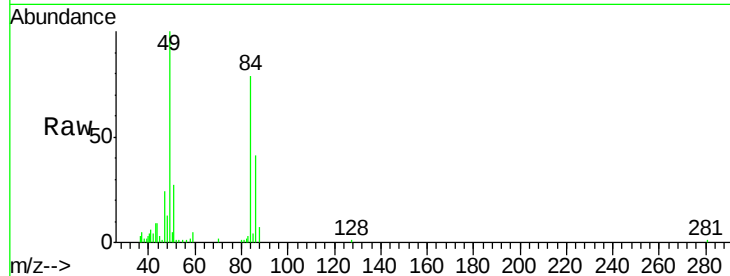
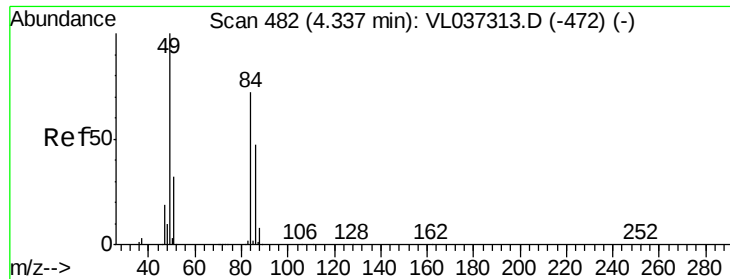
Tgt Ion: 45 Resp: 78983

Ion Ratio Lower Upper

45 100

58 548.8 1.8 2.8#





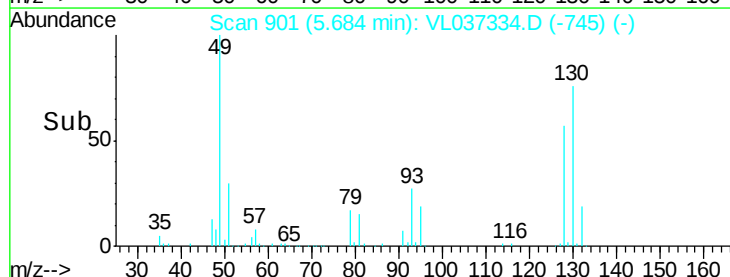
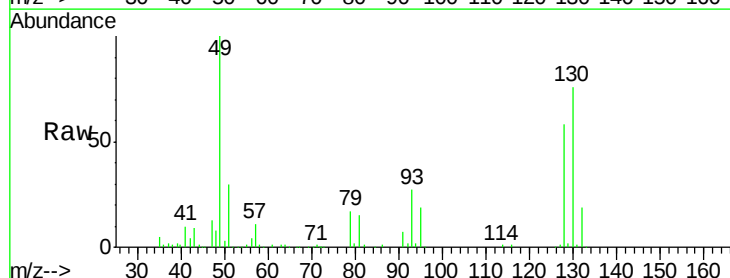
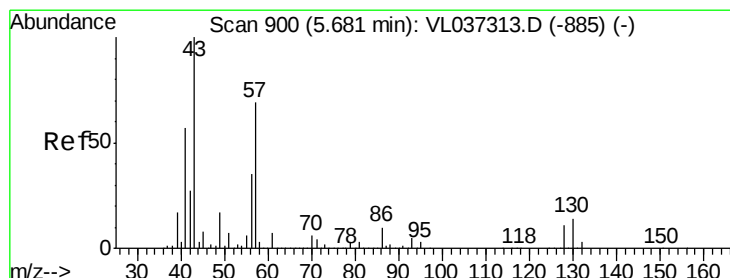
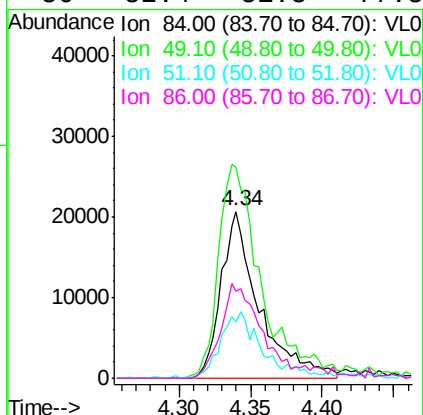
#20
Methvlene Chloride
Concen: 0.408 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL037334.D
Acq: 5 Aug 2021 8:36

Tot Ion	Ratio	Lower	Upper
84	100		
49	126.8	110.4	165.6
51	33.8	35.8	53.6#
86	52.4	51.8	77.8

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

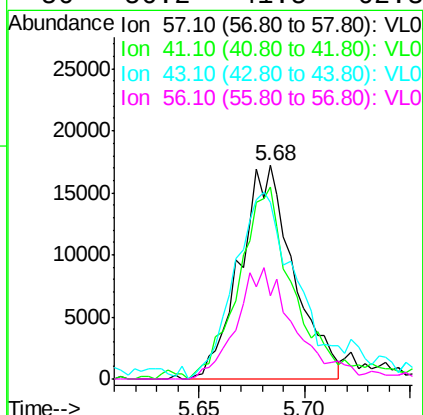
Manual Integrations
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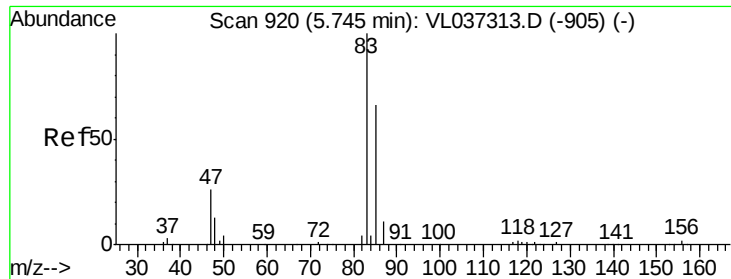
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#26
Hexane
Concen: 0.184 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037334.D
Acq: 5 Aug 2021 8:36

Tgt Ion	Ratio	Lower	Upper
57	100		
41	97.6	67.5	101.3
43	123.2	163.0	244.4#
56	56.2	41.5	62.3





#29

Chloroform

Concen: 0.129 ppbv m

RT: 5.75 min Scan# 921

Delta R.T. 0.00 min

Lab File: VL037334.D

Acq: 5 Aug 2021 8:36

Tot Ion: 83 Resp: 26939

Ion Ratio Lower Upper

83 100

85 53.4 52.6 79.0

Instrument :

MSVOA_L

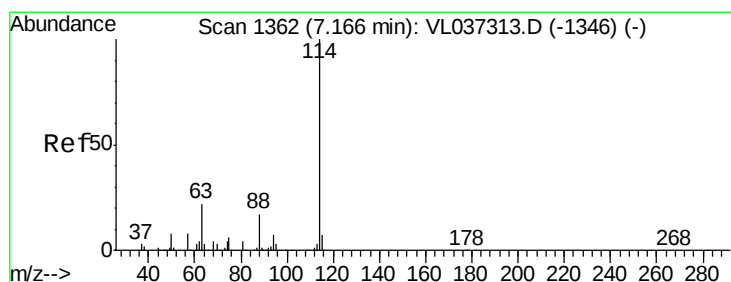
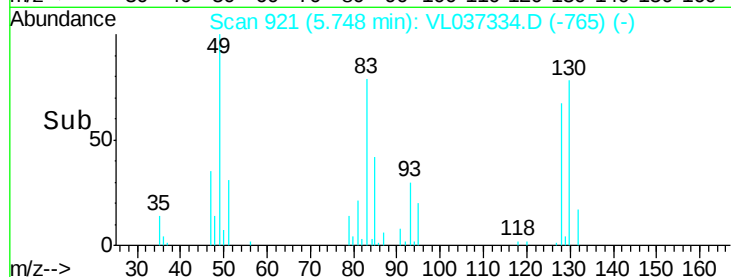
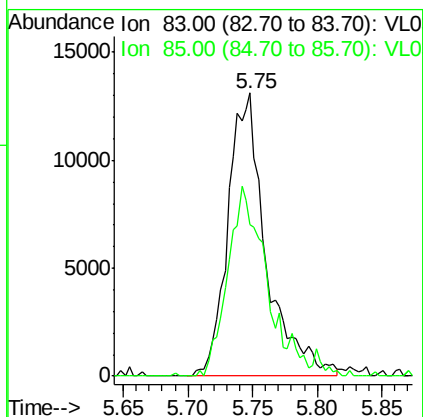
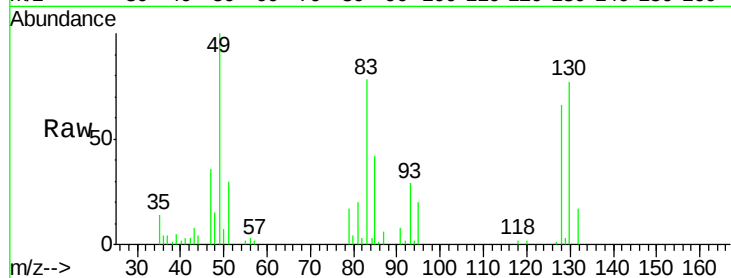
ClientSampled :

IA-1DL

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VL037334.D

Acq: 5 Aug 2021 8:36

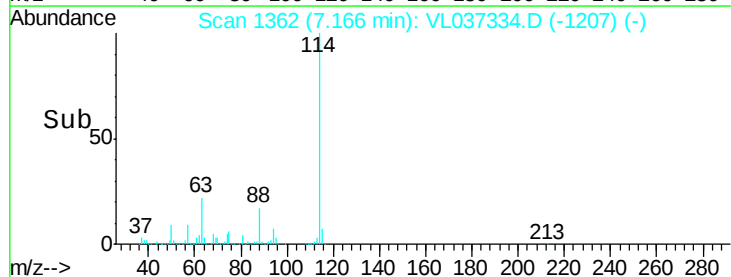
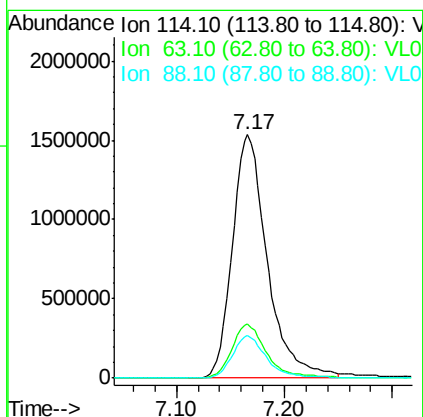
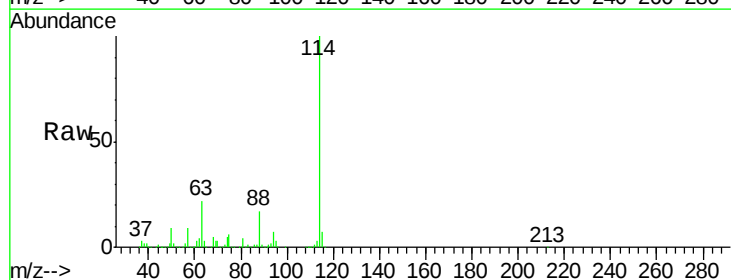
Tgt Ion:114 Resp: 3462958

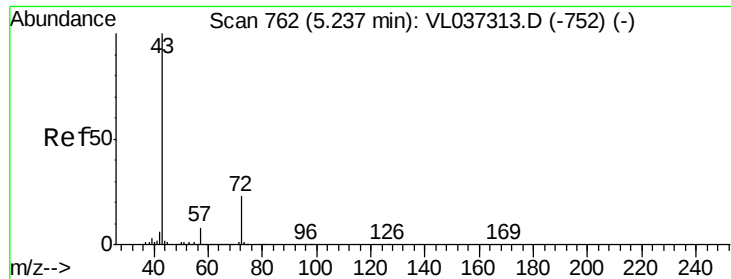
Ion Ratio Lower Upper

114 100

63 22.7 18.1 27.1

88 17.4 13.8 20.8





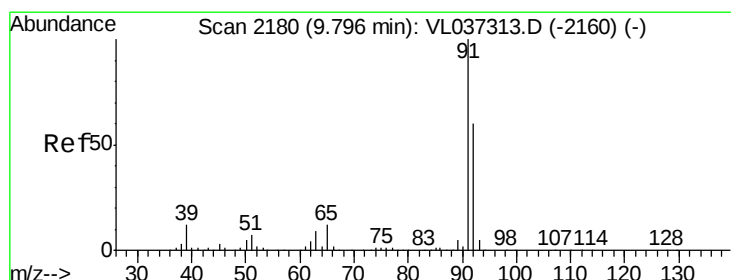
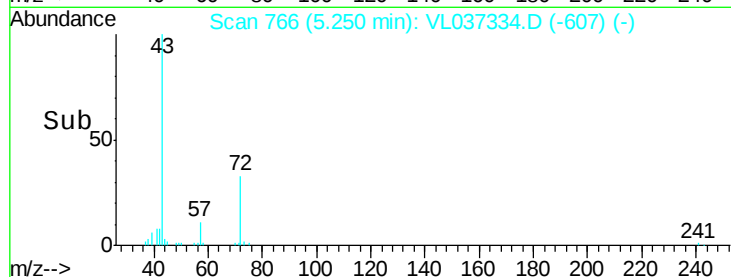
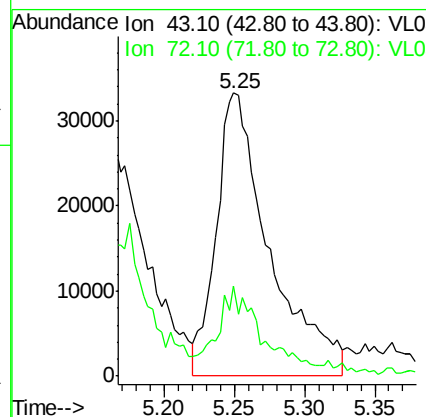
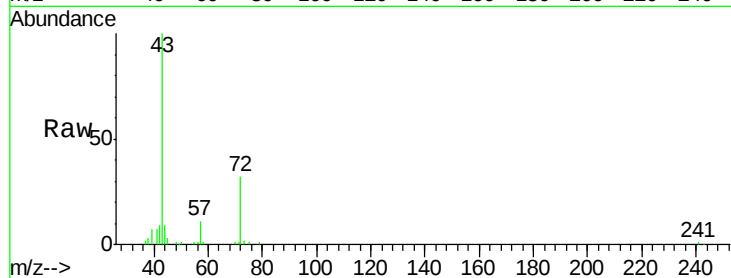
#34
2-Butanone
Concen: 0.730 ppbv m
RT: 5.25 min Scan# 766
Delta R.T. 0.01 min
Lab File: VL037334.D
Acq: 5 Aug 2021 8:36

Instrument :
MSVOA_L
ClientSampled :
IA-1DL

Tot Ion: 43 Resp: 87698
Ion Ratio Lower Upper
43 100
72 30.7 20.3 30.5#

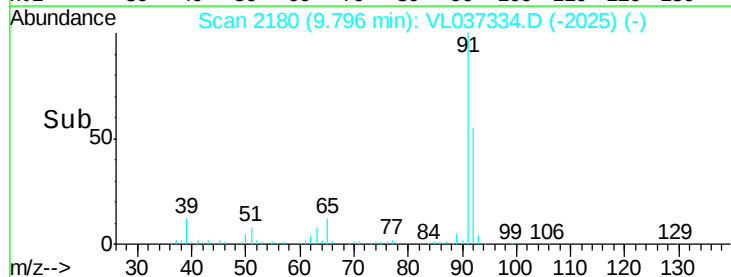
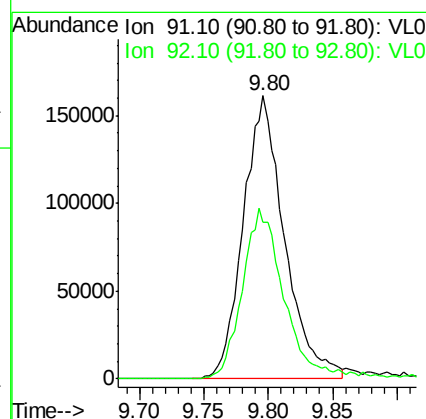
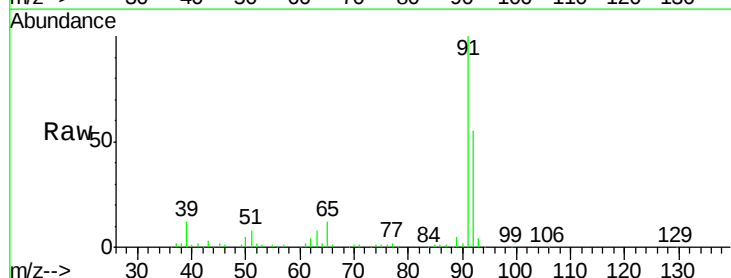
Manual Integrations
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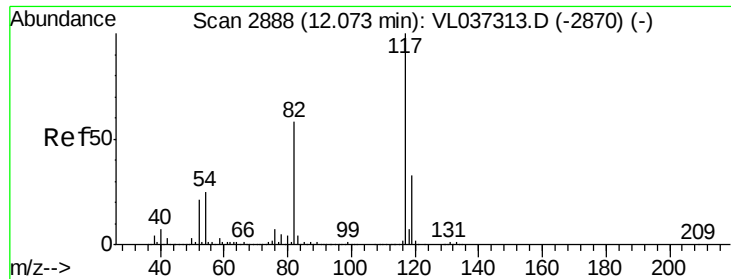
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#53
Toluene
Concen: 0.975 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL037334.D
Acq: 5 Aug 2021 8:36

Tgt Ion: 91 Resp: 358829
Ion Ratio Lower Upper
91 100
92 61.4 48.8 73.2





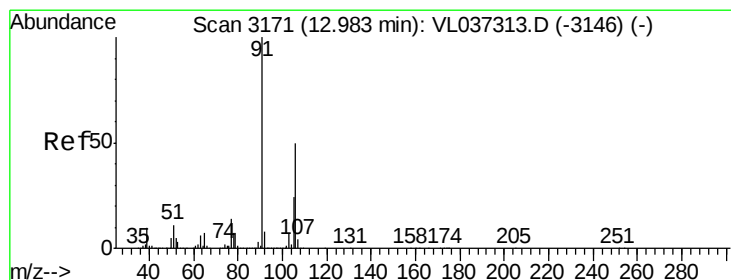
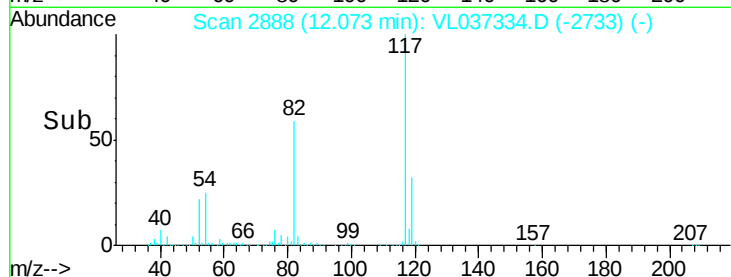
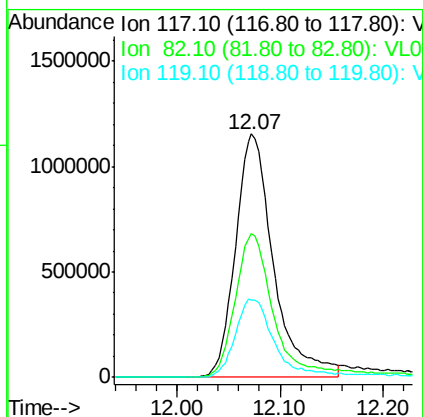
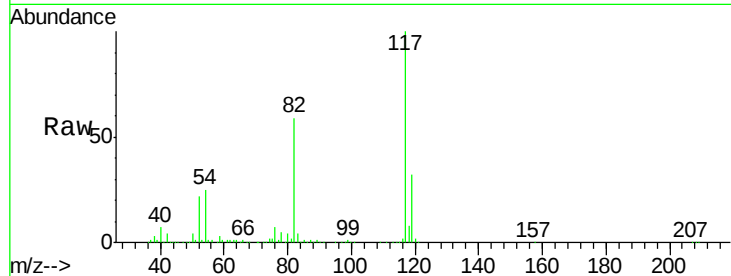
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL037334.D
Acq: 5 Aug 2021 8:36

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.6	50.3	75.5
119	35.7	48.2	72.2#

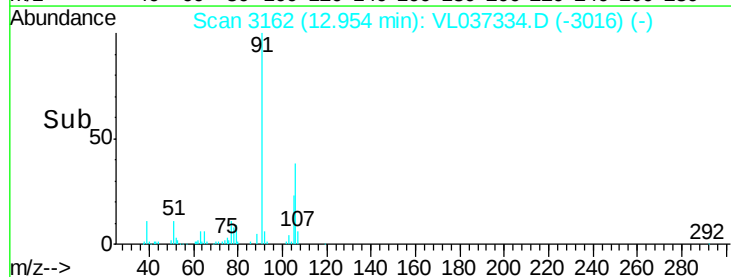
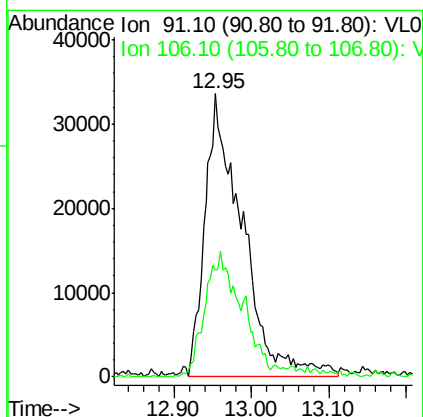
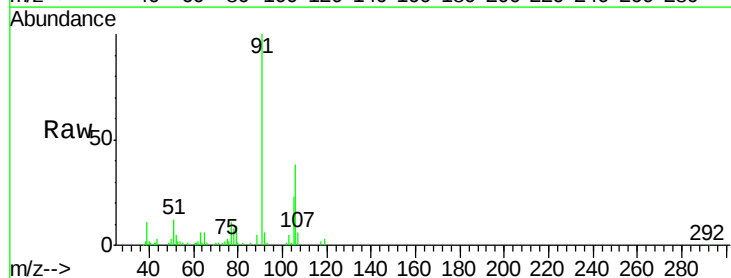
Manual Integrations
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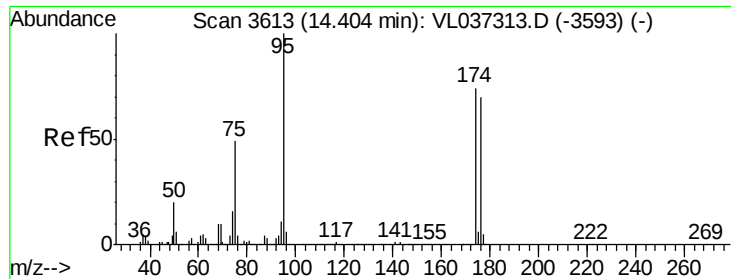
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#59
m/p-Xylene
Concen: 0.307 ppbv m
RT: 12.95 min Scan# 3162
Delta R.T. -0.03 min
Lab File: VL037334.D
Acq: 5 Aug 2021 8:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.8	56.8#





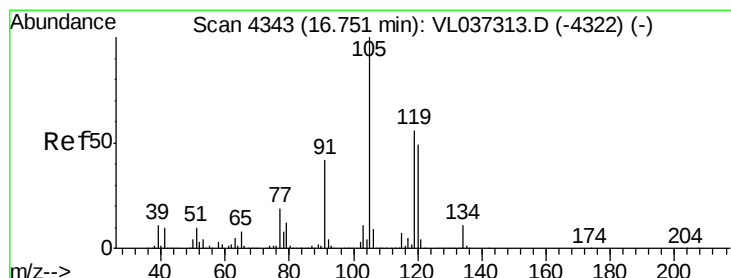
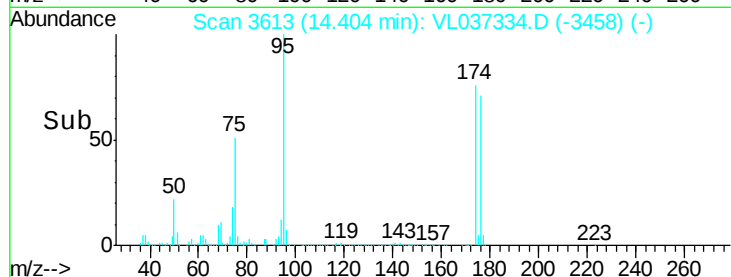
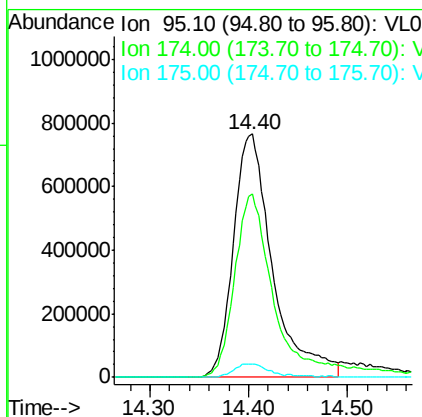
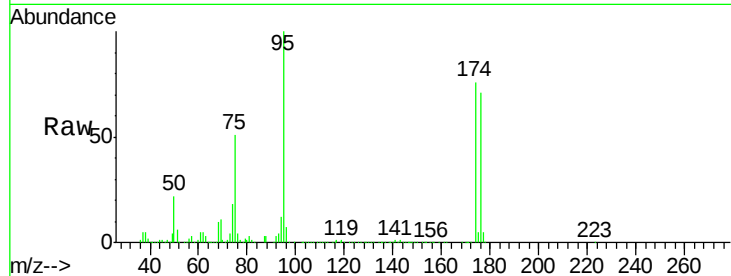
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.470 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.00 min
 Lab File: VL037334.D
 Acq: 5 Aug 2021 8:36

Instrument :
 MSVOA_L
 ClientSampled :
 IA-1DL

Tot Ion: 95 Resp: 2118425
 Ion Ratio Lower Upper
 95 100
 174 80.0 66.9 100.3
 175 5.7 5.1 7.7

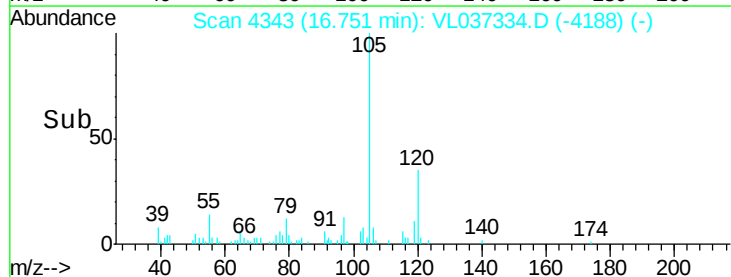
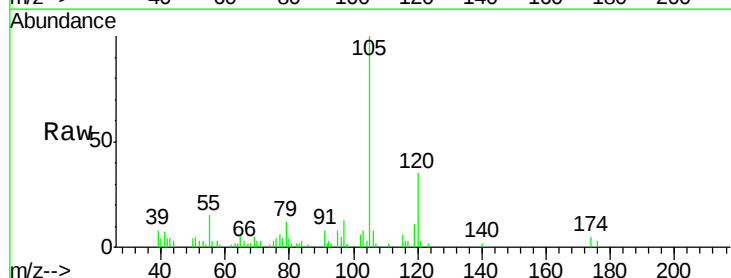
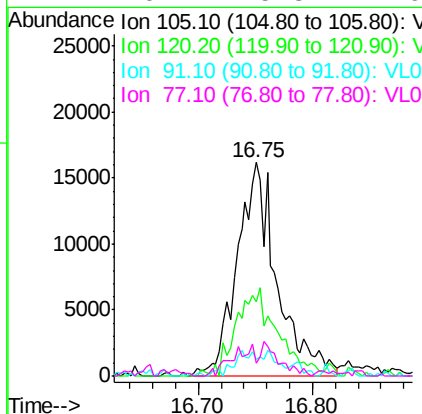
Manual Integrations
 APPROVED

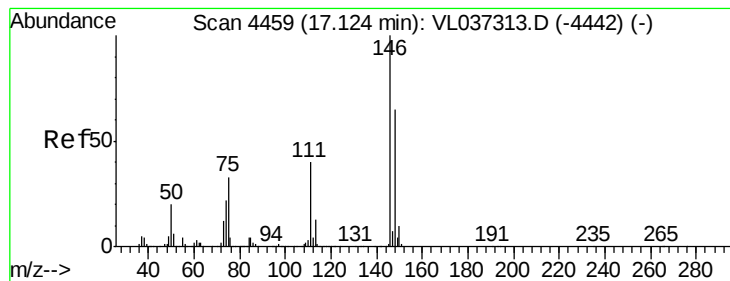
MMDadoda
 8/5/2021 1:41:23 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.102 ppbv m
 RT: 16.75 min Scan# 4343
 Delta R.T. -0.00 min
 Lab File: VL037334.D
 Acq: 5 Aug 2021 8:36

Tgt Ion: 105 Resp: 39302
 Ion Ratio Lower Upper
 105 100
 120 34.6 39.6 59.4#
 91 8.0 34.5 51.7#
 77 6.2 15.3 22.9#





#76

1,4-Dichlorobenzene

Concen: 1.310 ppbv m

RT: 17.12 min Scan# 4459

Delta R.T. -0.00 min

Lab File: VL037334.D

Acq: 5 Aug 2021 8:36

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

Tot Ion:	146	Resp:	308073
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.0	63.0
148	64.9	33.5	100.4

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:41:23 PM

