

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037369.D
 Acq On : 7 Aug 2021 7:55
 Operator : SY/AP
 Sample : M3157-10DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFITE-DDC-INTERMEDIATE-1DL

Manual Integrations
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 8/10/2021 6:10:53 PM

Quant Time: Aug 07 08:49:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	847380	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2710161	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2273310	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1523900	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	20824m	0.367	ppbv	
10) Heptane	8.11	43	21383m	0.162	ppbv	
13) Ethanol	3.61	45	186986	17.876	ppbv	96
15) Acetone	3.87	43	745826	8.446	ppbv #	79
17) tert-Butyl alcohol	4.31	59	36881m	0.392	ppbv	
19) Isopropyl Alcohol	3.98	45	204779m	3.831	ppbv	
20) Methylene Chloride	4.34	84	55338	0.748	ppbv	95
25) Ethyl Acetate	5.67	43	638732	2.924	ppbv #	88
30) Cyclohexane	7.13	84	24281m	0.252	ppbv	
34) 2-Butanone	5.24	43	80370	0.883	ppbv #	78
36) Benzene	6.88	78	56802	0.273	ppbv	97
50) 4-Methyl-2-Pentanone	8.77	43	66348m	0.532	ppbv	
53) Toluene	9.80	91	757476	3.128	ppbv	100
58) Ethyl Benzene	12.69	91	43356m	0.146	ppbv	
59) m/p-Xylene	12.95	91	92622m	0.358	ppbv	
60) o-Xylene	13.68	91	34400	0.144	ppbv	83
61) Styrene	13.52	104	37038	0.300	ppbv	89
74) 1,2,4-Trimethylbenzene	16.75	105	47588	0.169	ppbv #	77

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

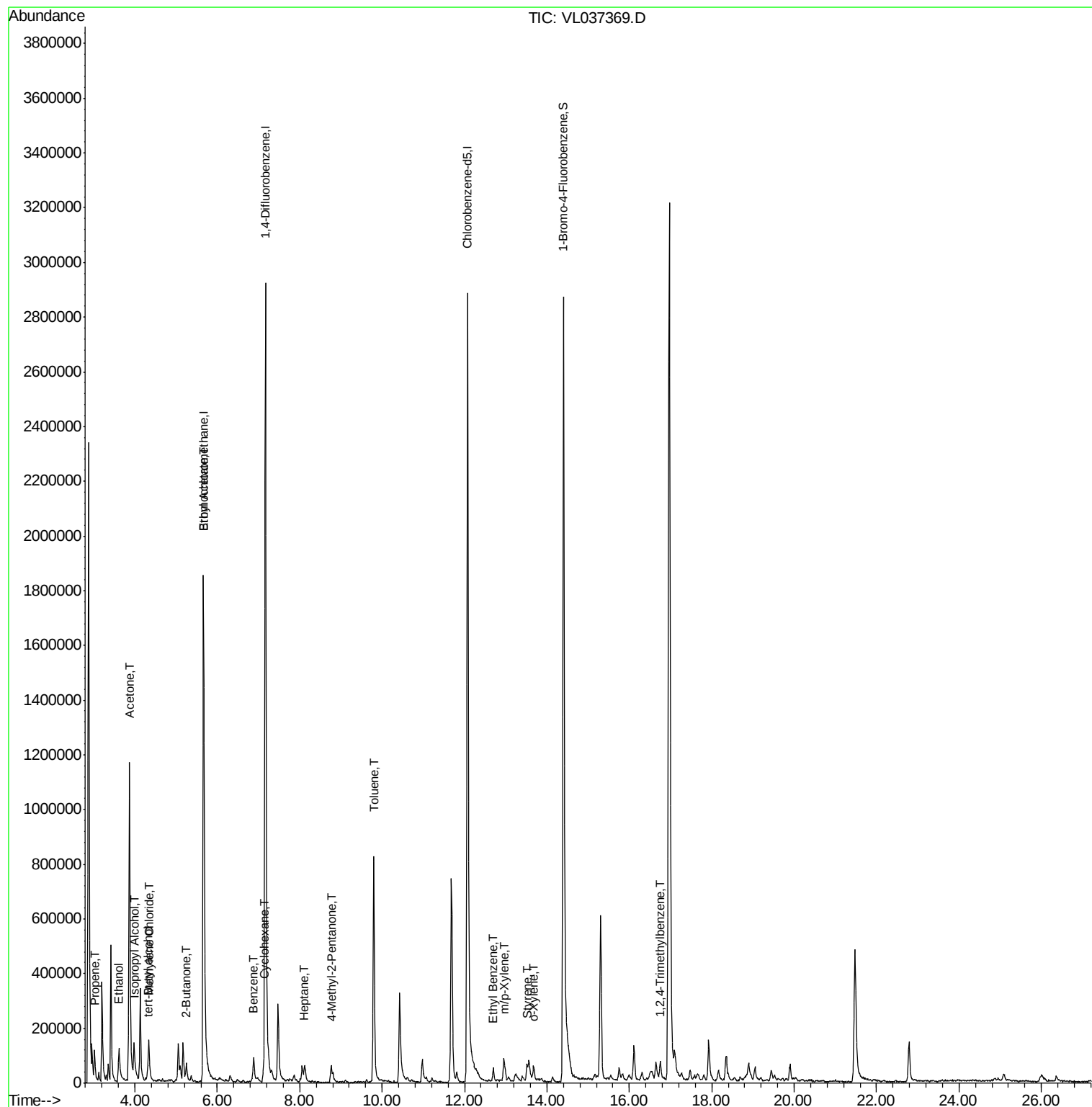
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
Data File : VL037369.D
Acq On : 7 Aug 2021 7:55
Operator : SY/AP
Sample : M3157-10DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

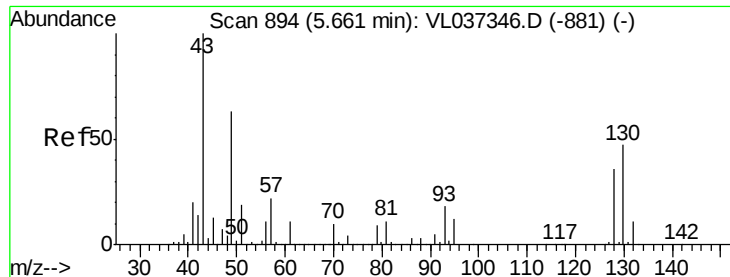
Instrument :
MSVOA_L
ClientSampleId :
OFFITE-DDC-INTERMEDIATE-1DL

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Quant Time: Aug 07 08:49:17 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 06 17:52:04 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037369.D

Acq: 7 Aug 2021 7:55

Instrument :

MSVOA_L

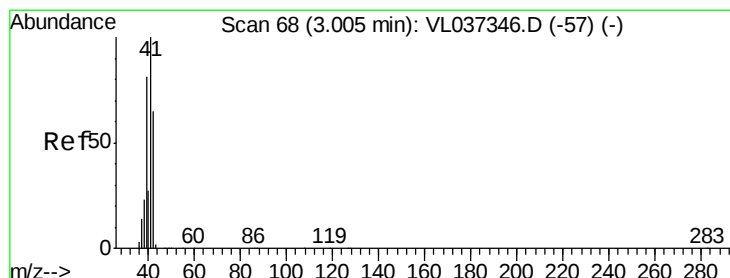
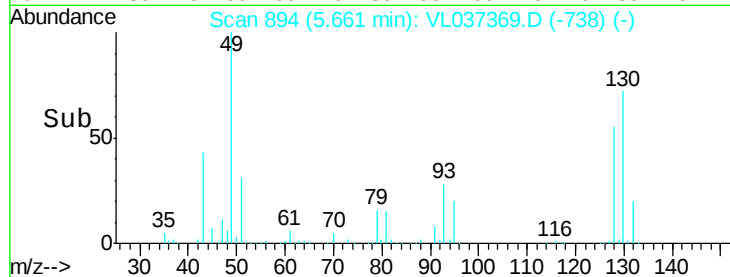
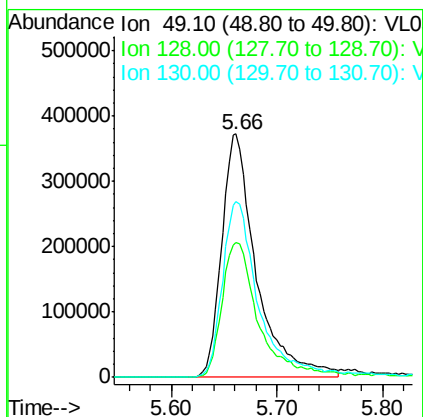
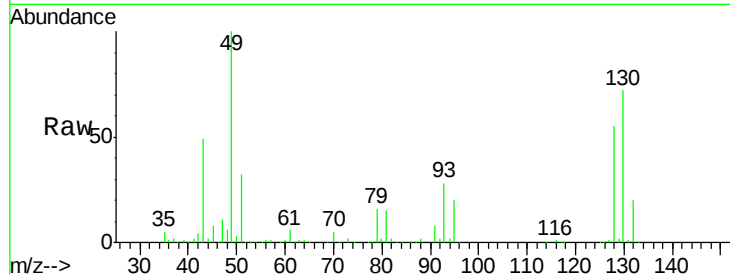
ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion:	49	Resp:	847380
Ion	Ratio	Lower	Upper
49	100		
128	60.8	32.1	96.3
130	78.4	40.0	120.0

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#9

Propene

Concen: 0.367 ppbv m

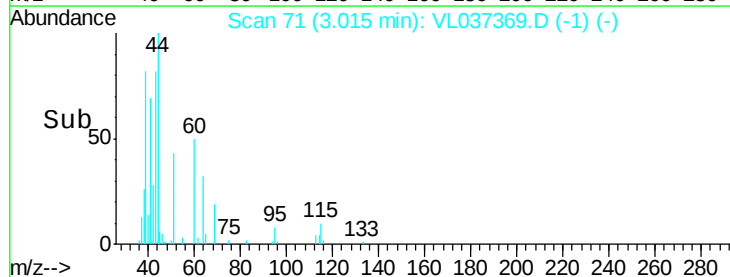
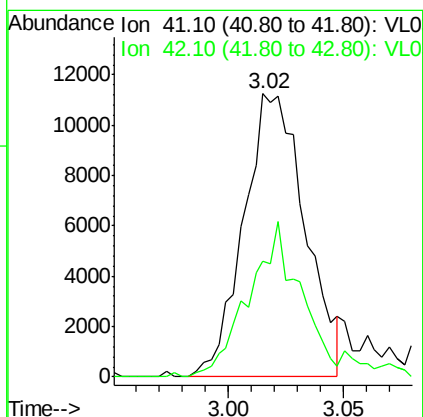
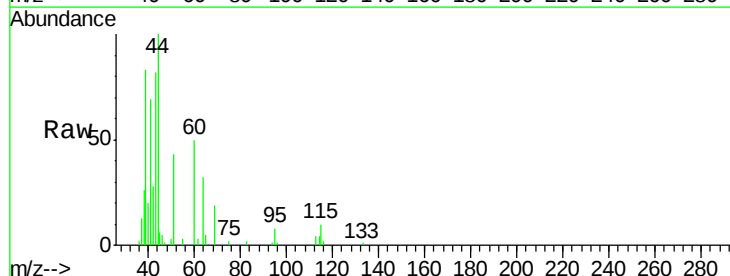
RT: 3.02 min Scan# 71

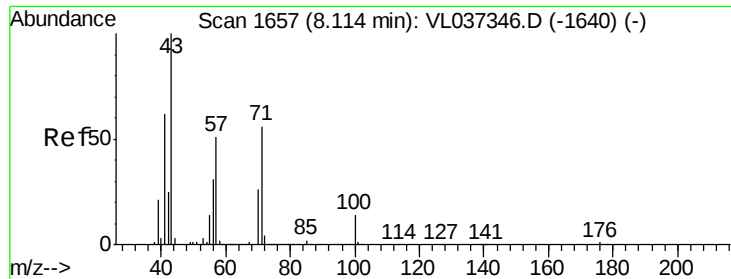
Delta R.T. 0.01 min

Lab File: VL037369.D

Acq: 7 Aug 2021 7:55

Tgt Ion:	41	Resp:	20824
Ion	Ratio	Lower	Upper
41	100		
42	438.4	54.3	81.5#





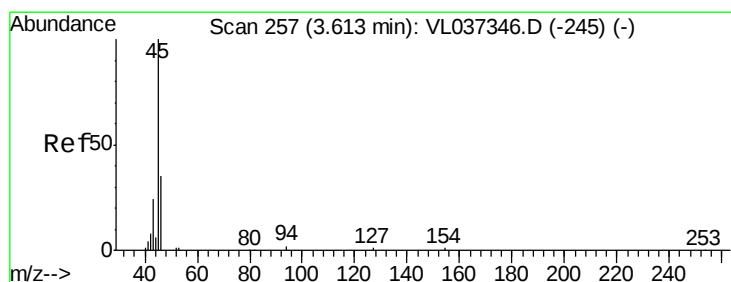
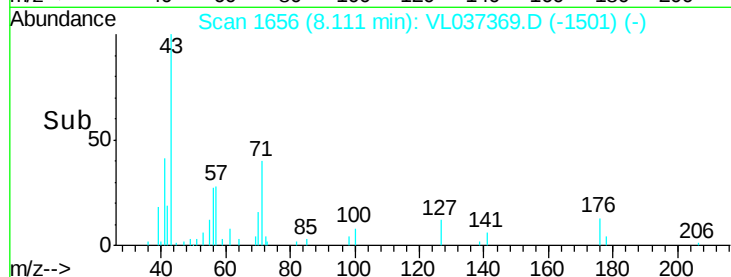
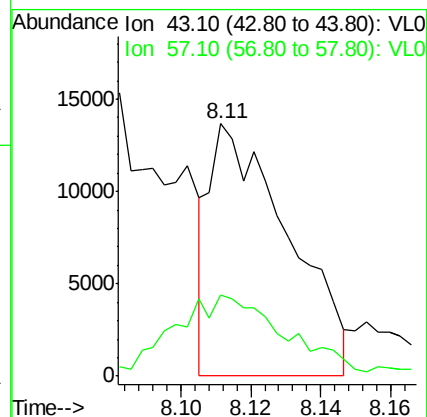
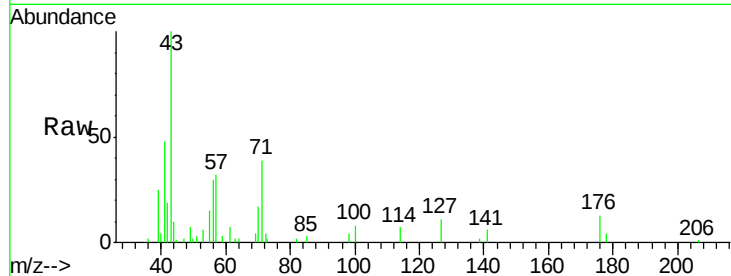
#10
Heptane
Concen: 0.162 ppbv m
RT: 8.11 min Scan# 1656
Delta R.T. -0.00 min
Lab File: VL037369.D
Acq: 7 Aug 2021 7:55

Instrument :
MSVOA_L
ClientSampleId :
OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion: 43 Resp: 21383
Ion Ratio Lower Upper
43 100
57 40.7 41.6 62.4#

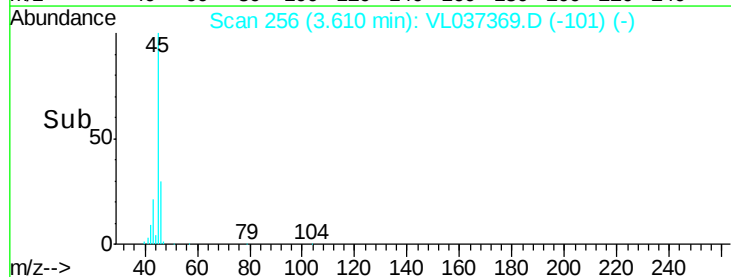
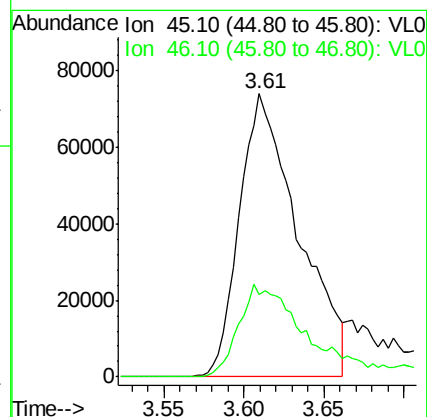
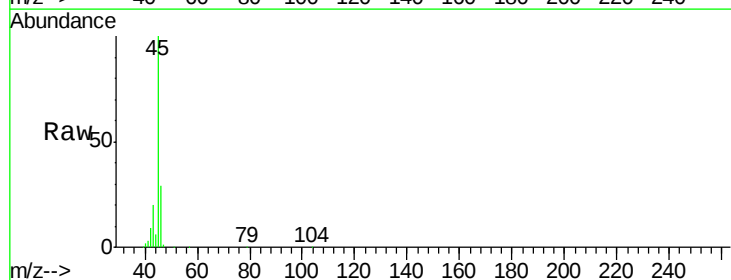
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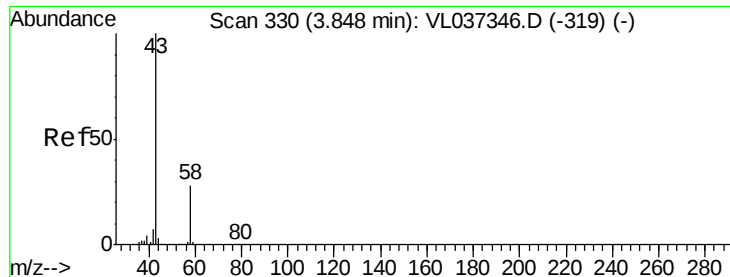
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#13
Ethanol
Concen: 17.876 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL037369.D
Acq: 7 Aug 2021 7:55

Tgt Ion: 45 Resp: 186986
Ion Ratio Lower Upper
45 100
46 41.9 15.7 62.9





#15

Acetone

Concen: 8.446 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL037369.D

Acq: 7 Aug 2021 7:55

Instrument :

MSVOA_L

ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion: 43 Resp: 745826

Ion Ratio Lower Upper

43 100

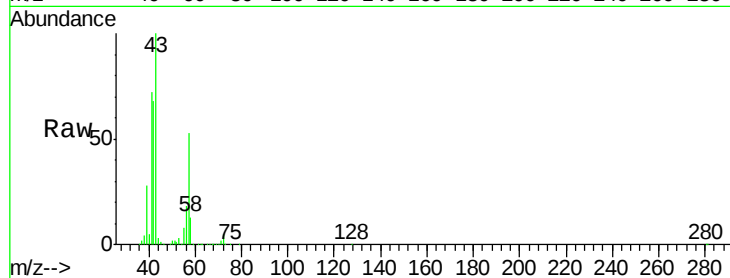
58 19.3 24.6 36.8#

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.87

300000

200000

100000

0

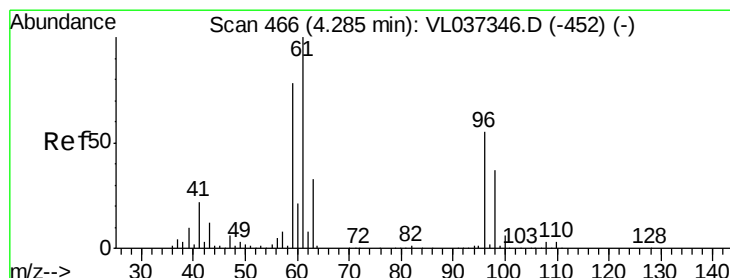
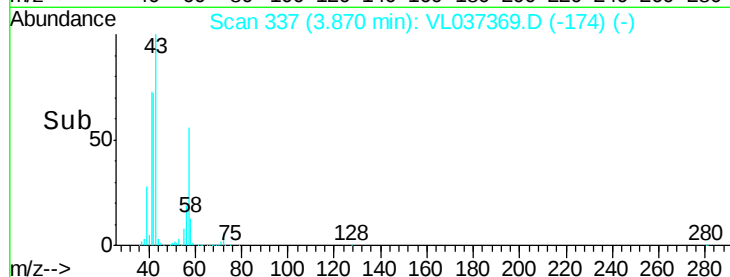
Time-->

3.80

3.85

3.90

3.95



#17

tert-Butyl alcohol

Concen: 0.392 ppbv m

RT: 4.31 min Scan# 475

Delta R.T. 0.03 min

Lab File: VL037369.D

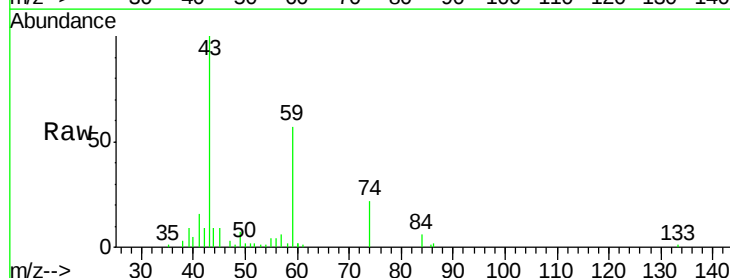
Acq: 7 Aug 2021 7:55

Tgt Ion: 59 Resp: 36881

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.31

15000

10000

5000

0

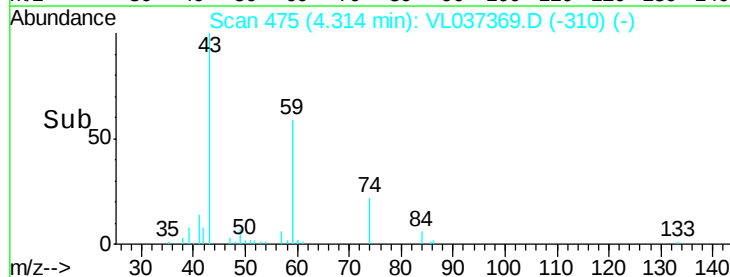
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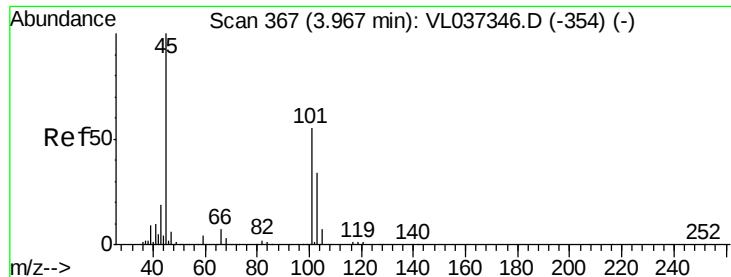
4.25

4.30

4.35

4.40





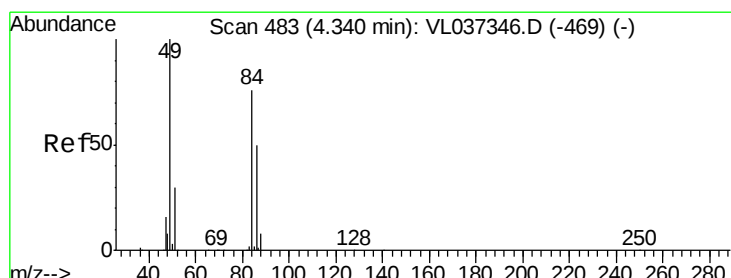
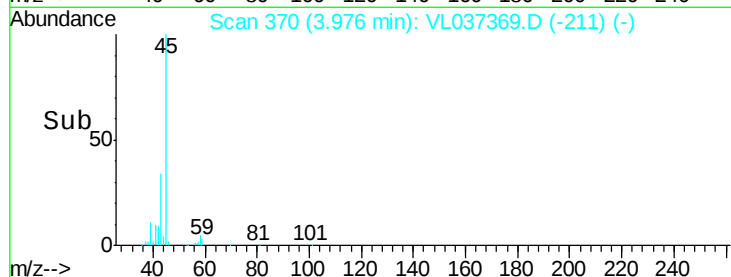
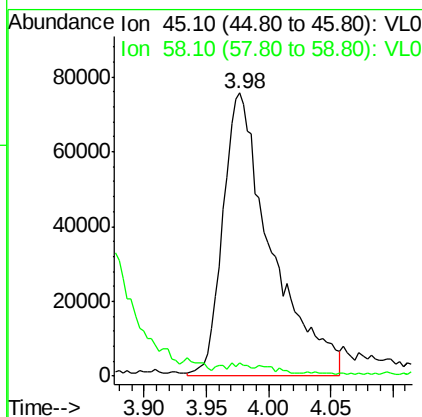
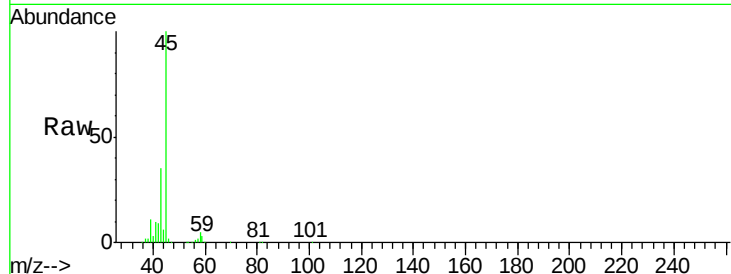
#19
Isopropyl Alcohol
Concen: 3.831 ppbv m
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL037369.D
Acq: 7 Aug 2021 7:55

Instrument :
MSVOA_L
ClientSampleId :
OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion: 45 Resp: 204779
Ion Ratio Lower Upper
45 100
58 3.5 1.8 2.8#

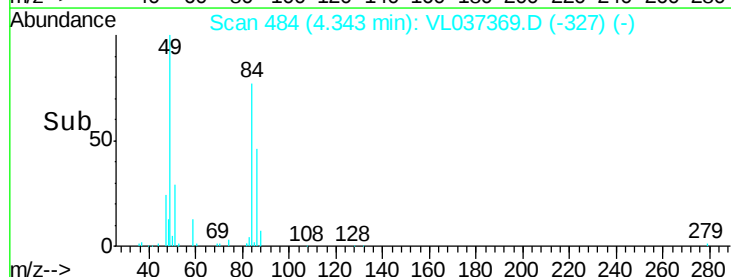
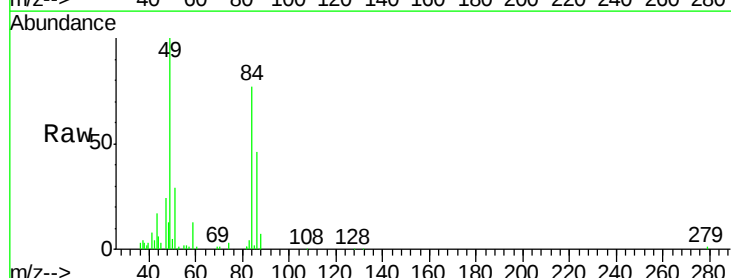
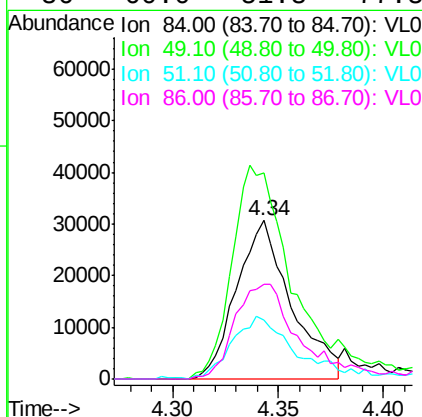
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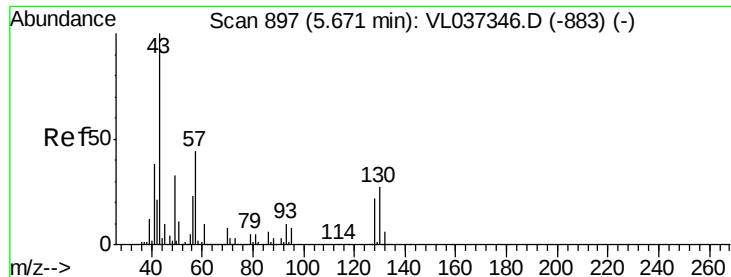
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#20
Methylene Chloride
Concen: 0.748 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037369.D
Acq: 7 Aug 2021 7:55

Tgt Ion: 84 Resp: 55338
Ion Ratio Lower Upper
84 100
49 129.6 107.3 160.9
51 37.4 33.0 49.4
86 60.0 51.8 77.8





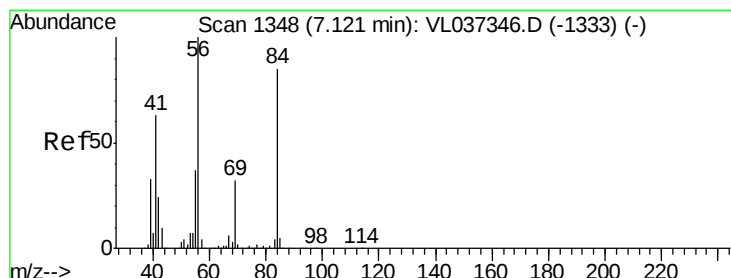
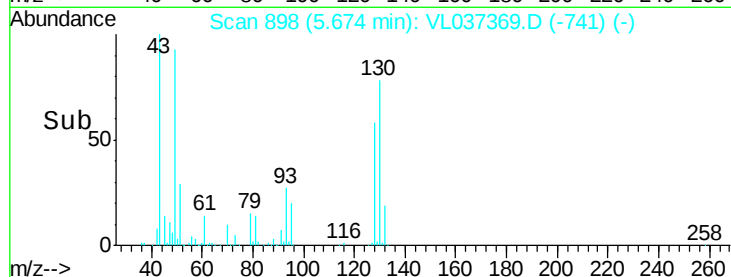
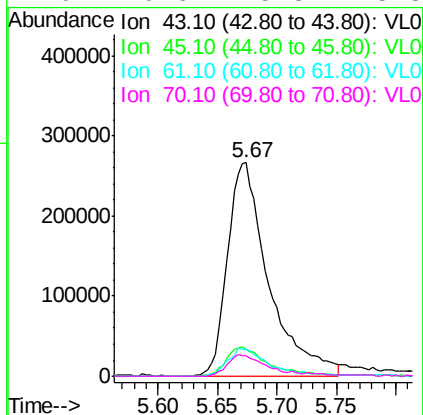
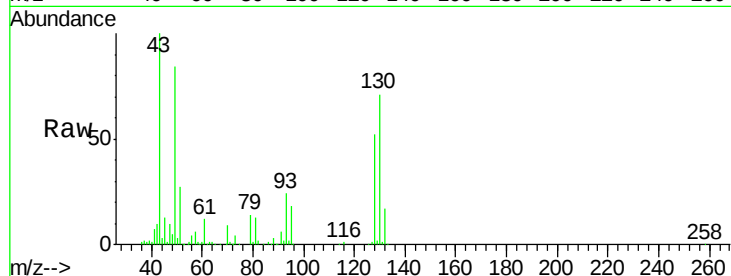
#25
Ethyl Acetate
Concen: 2.924 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037369.D
Acq: 7 Aug 2021 7:55

Instrument :
MSVOA_L
ClientSampleId :
OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion	Ratio	Lower	Upper
43	100		
45	15.1	7.7	11.5#
61	13.8	8.2	12.2#
70	10.6	5.8	8.8#

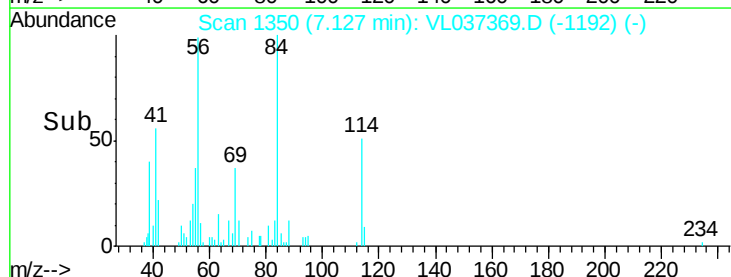
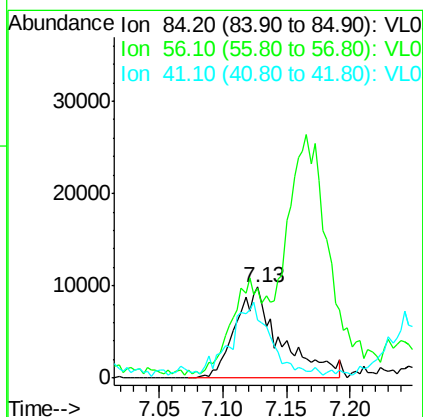
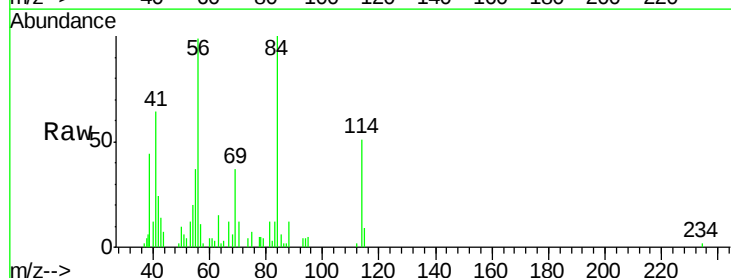
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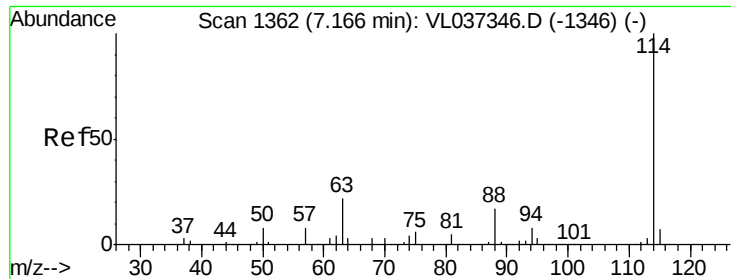
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#30
Cyclohexane
Concen: 0.252 ppbv m
RT: 7.13 min Scan# 1350
Delta R.T. 0.01 min
Lab File: VL037369.D
Acq: 7 Aug 2021 7:55

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	103.5	155.3#
41	0.0	61.4	92.2#





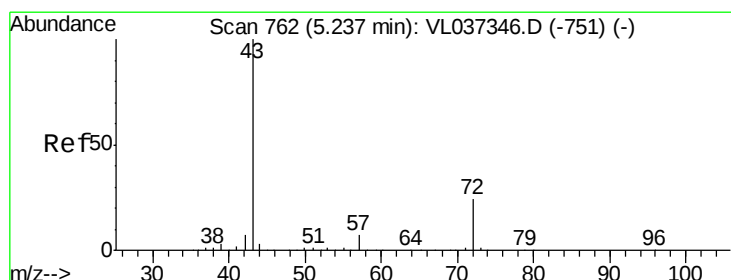
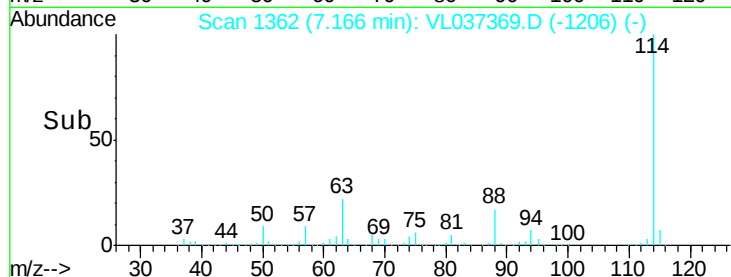
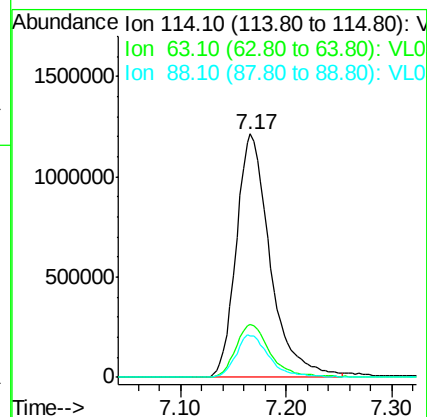
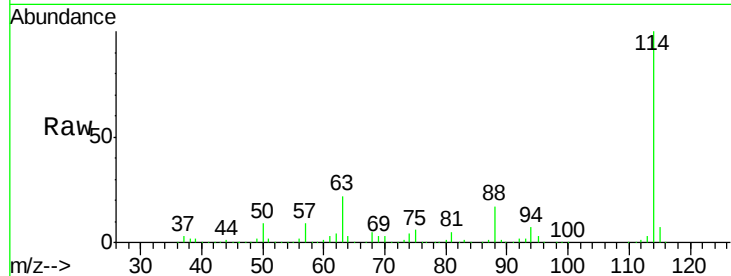
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 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL037369.D
 Acq: 7 Aug 2021 7:55

Instrument :
 MSVOA_L
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 OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion:114 Resp: 2710161
 Ion Ratio Lower Upper
 114 100
 63 22.4 17.8 26.6
 88 17.4 13.5 20.3

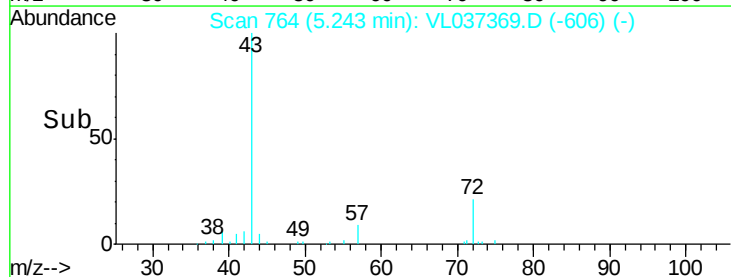
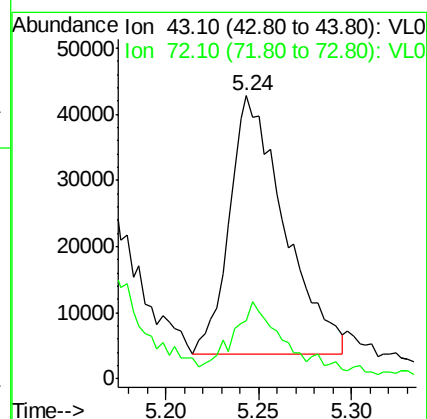
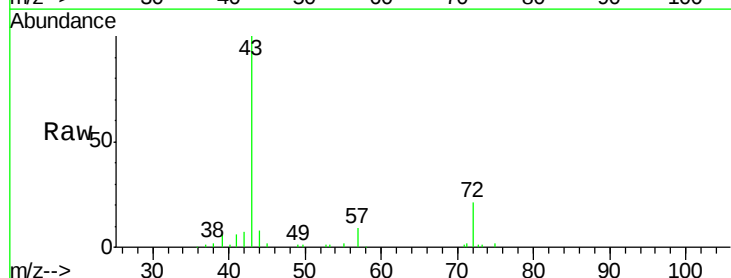
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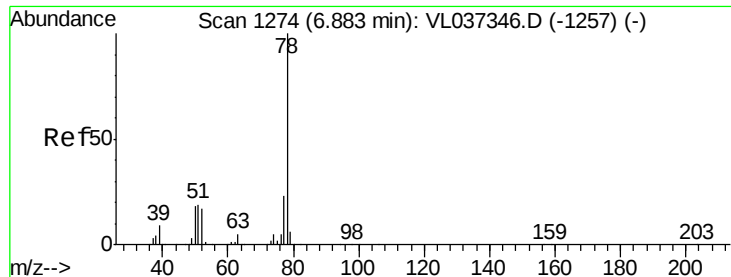
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#34
 2-Butanone
 Concen: 0.883 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL037369.D
 Acq: 7 Aug 2021 7:55

Tgt Ion: 43 Resp: 80370
 Ion Ratio Lower Upper
 43 100
 72 35.9 19.8 29.6#





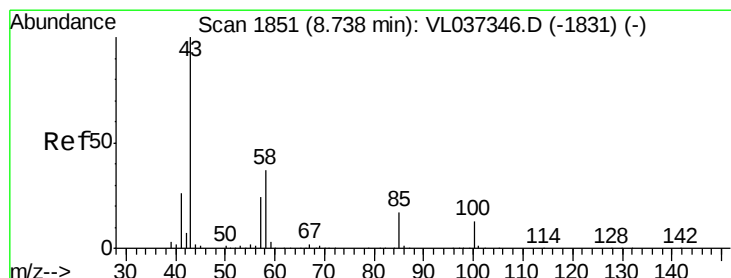
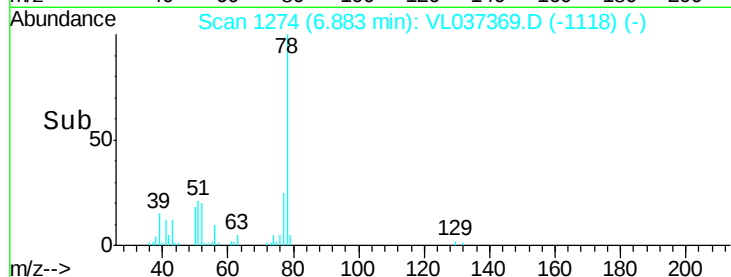
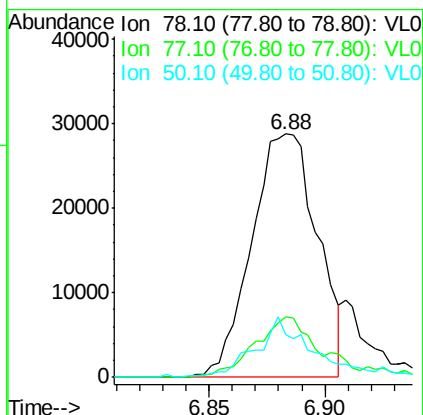
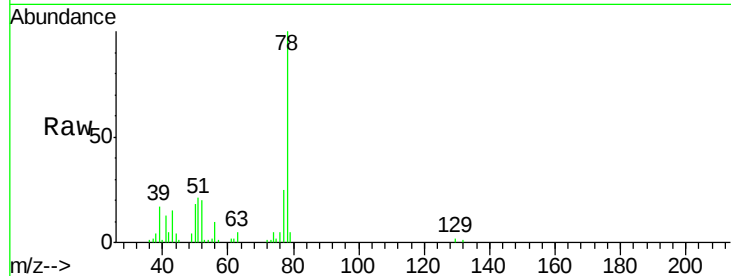
#36
Benzene
Concen: 0.273 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VL037369.D
Acq: 7 Aug 2021 7:55

Instrument :
MSVOA_L
ClientSampleId :
OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.7	28.1
50	16.9	14.6	22.0

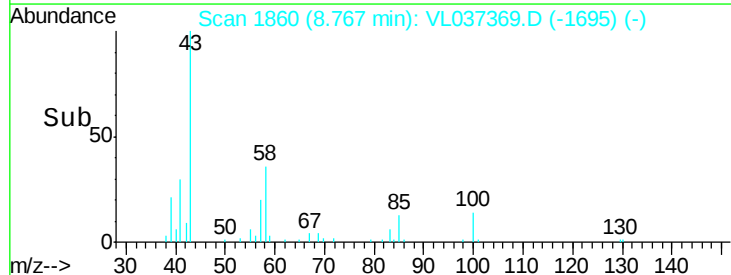
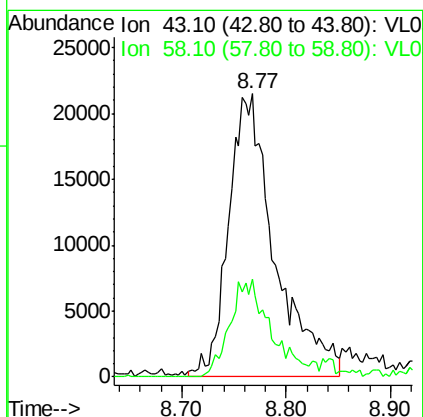
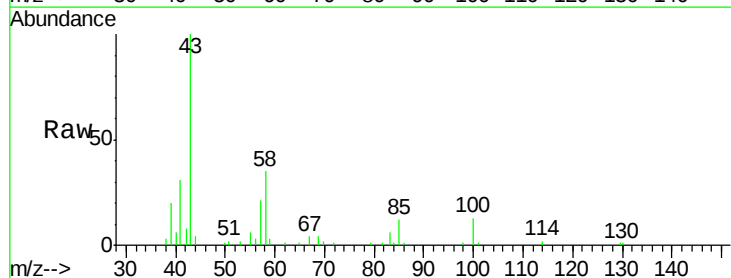
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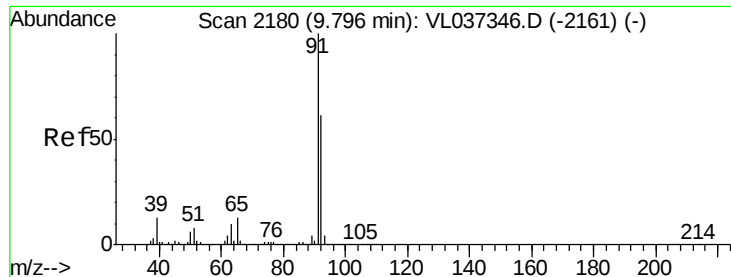
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#50
4-Methyl-2-Pentanone
Concen: 0.532 ppbv m
RT: 8.77 min Scan# 1860
Delta R.T. 0.03 min
Lab File: VL037369.D
Acq: 7 Aug 2021 7:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.9	44.9#





#53

Toluene

Concen: 3.128 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL037369.D

Acq: 7 Aug 2021 7:55

Instrument :

MSVOA_L

ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion: 91 Resp: 757476

Ion Ratio Lower Upper

91 100

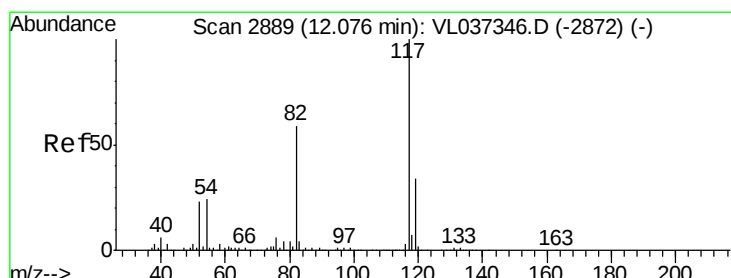
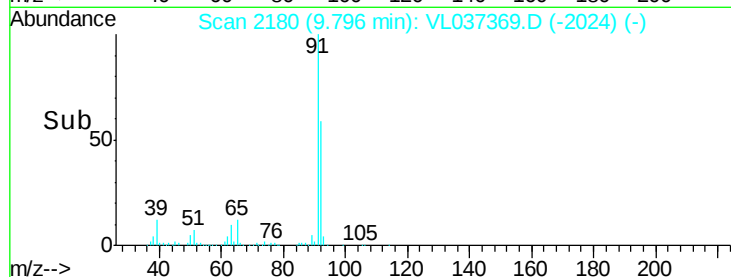
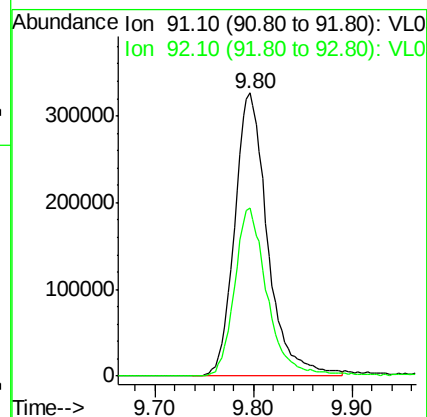
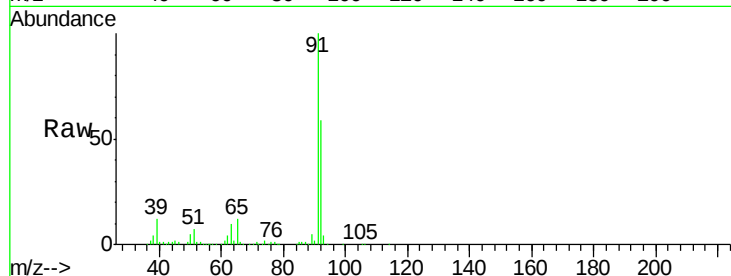
92 60.5 48.2 72.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL037369.D

Acq: 7 Aug 2021 7:55

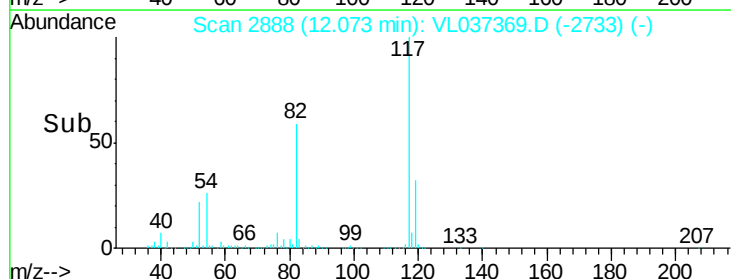
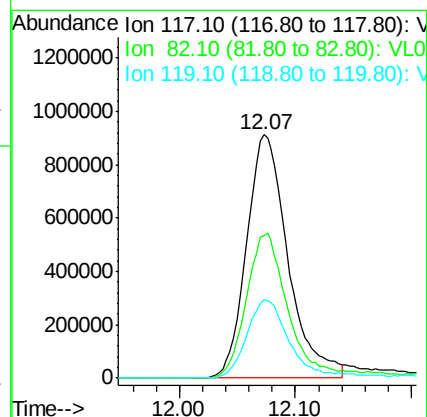
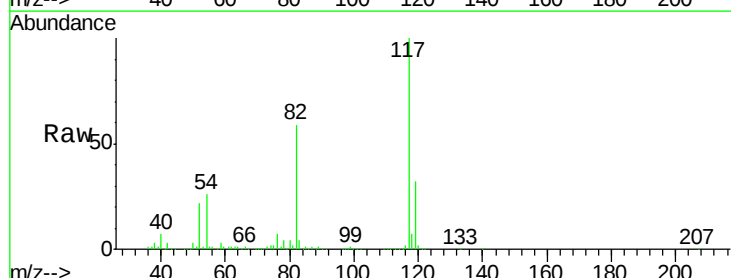
Tgt Ion: 117 Resp: 2273310

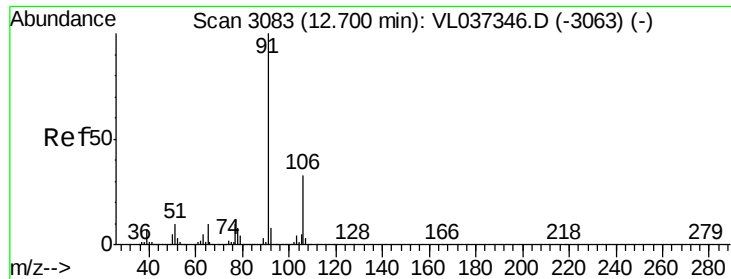
Ion Ratio Lower Upper

117 100

82 62.9 46.0 69.0

119 35.0 24.4 36.6





#58

Ethyl Benzene

Concen: 0.146 ppbv m

RT: 12.69 min Scan# 3081

Delta R.T. -0.01 min

Lab File: VL037369.D

Acq: 7 Aug 2021 7:55

Instrument :

MSVOA_L

ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion: 91 Resp: 43356

Ion Ratio Lower Upper

91 100

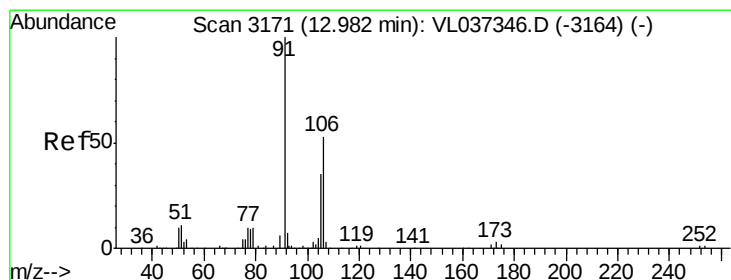
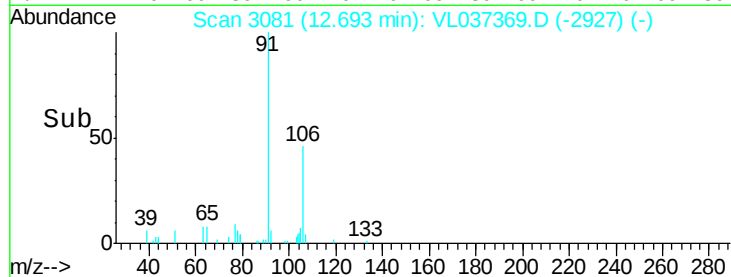
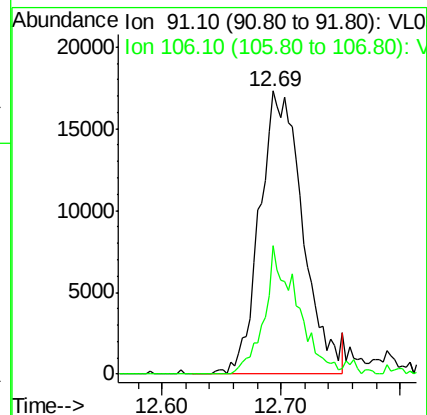
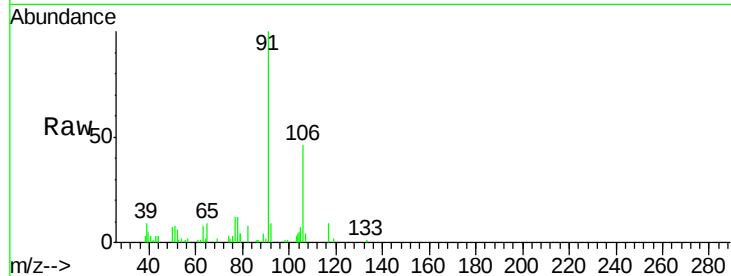
106 45.6 26.2 39.2#

Manual Integrations

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#59

m/p-Xylene

Concen: 0.358 ppbv m

RT: 12.95 min Scan# 3162

Delta R.T. -0.03 min

Lab File: VL037369.D

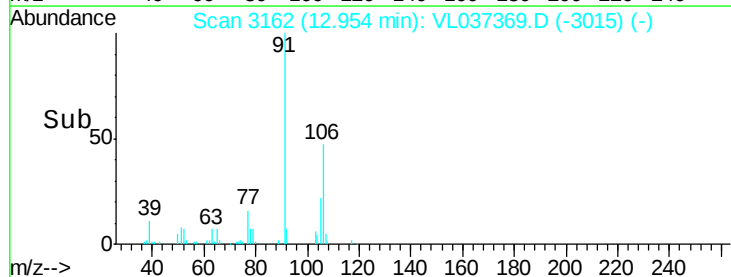
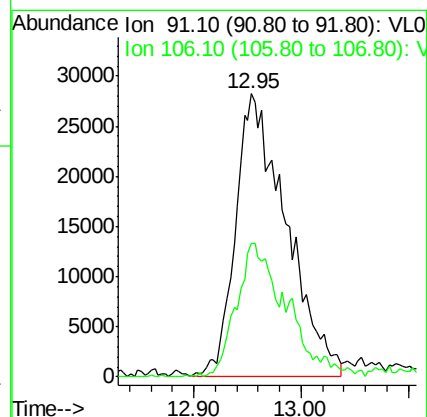
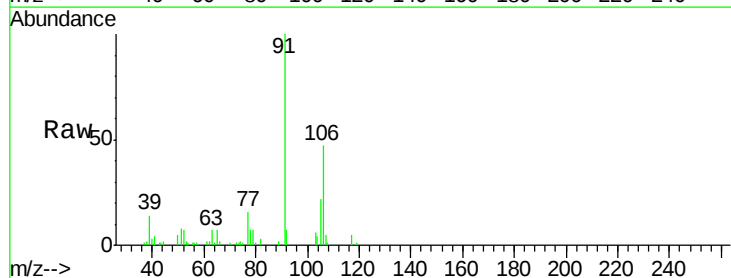
Acq: 7 Aug 2021 7:55

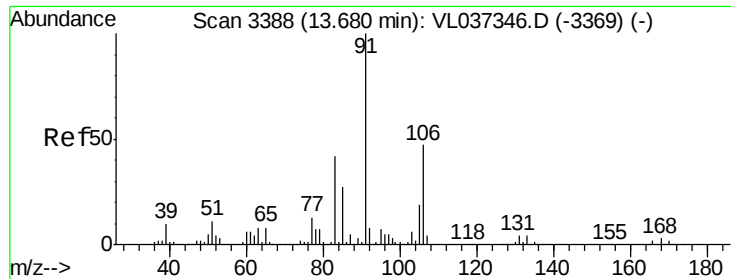
Tgt Ion: 91 Resp: 92622

Ion Ratio Lower Upper

91 100

106 0.0 37.0 55.6#





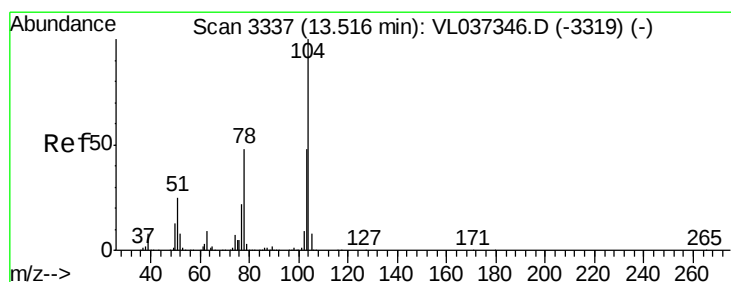
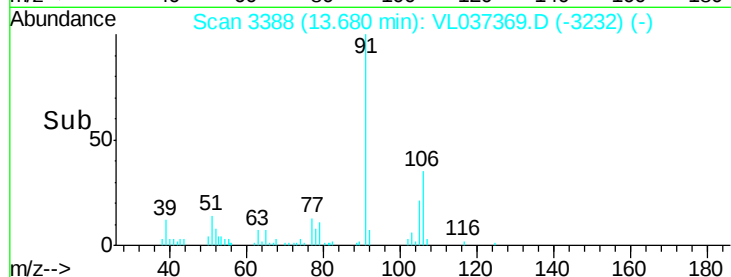
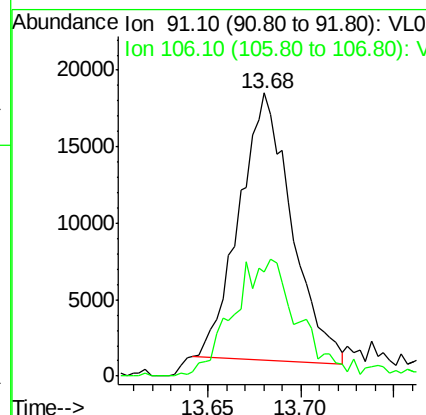
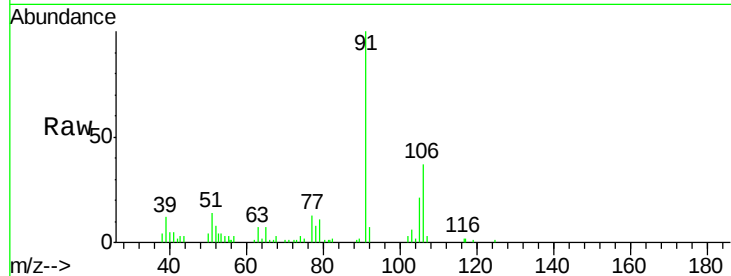
#60
o-Xylene
Concen: 0.144 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL037369.D
Acq: 7 Aug 2021 7:55

Instrument :
MSVOA_L
ClientSampleId :
OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion: 91 Resp: 34400
Ion Ratio Lower Upper
91 100
106 57.3 23.1 69.3

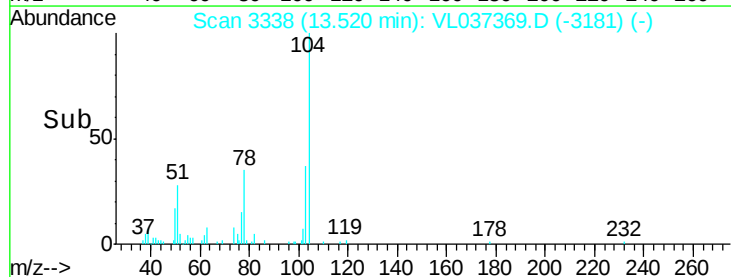
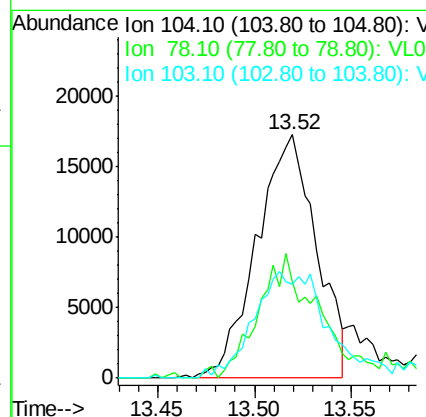
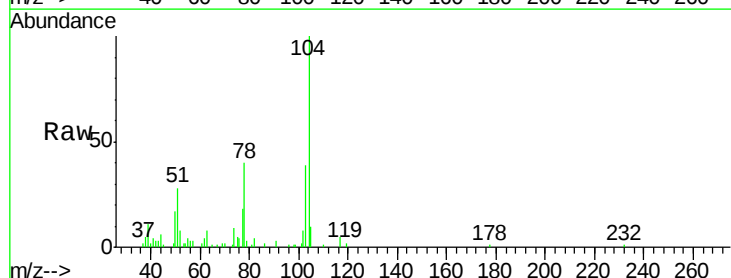
Manual Integrations
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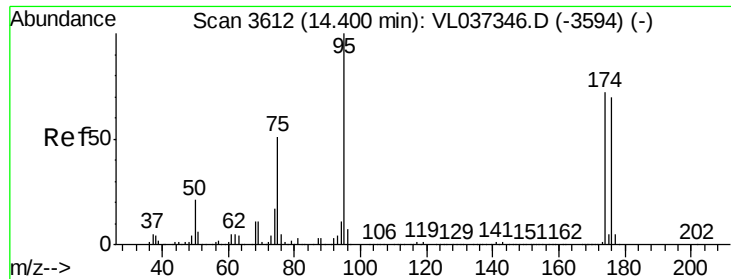
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#61
Styrene
Concen: 0.300 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VL037369.D
Acq: 7 Aug 2021 7:55

Tgt Ion: 104 Resp: 37038
Ion Ratio Lower Upper
104 100
78 56.9 38.2 57.4
103 54.0 38.3 57.5





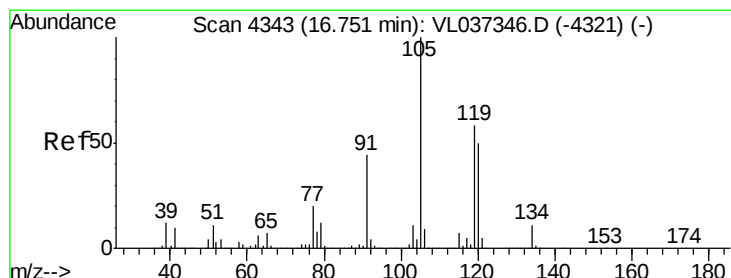
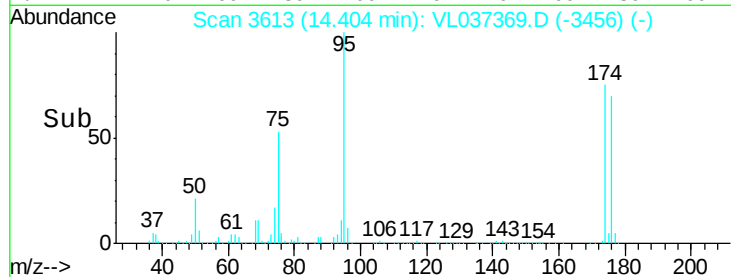
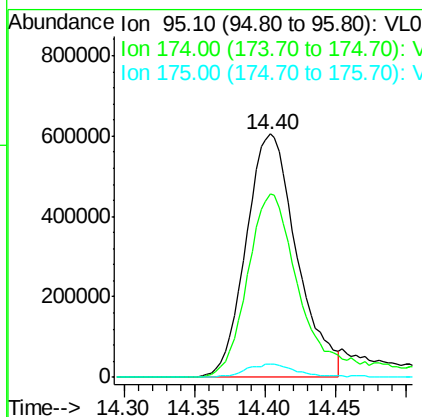
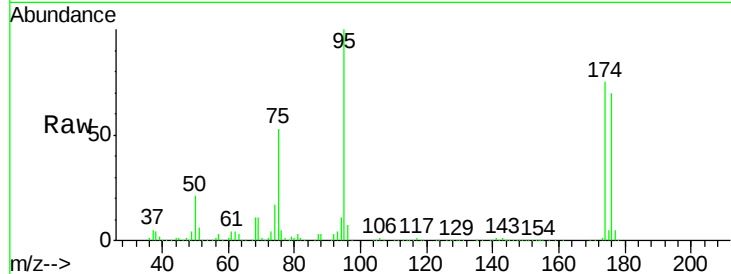
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.516 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. 0.00 min
 Lab File: VL037369.D
 Acq: 7 Aug 2021 7:55

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFITE-DDC-INTERMEDIATE-1DL

Tot Ion: 95 Resp: 1523900
 Ion Ratio Lower Upper
 95 100
 174 86.1 60.8 91.2
 175 6.1 4.3 6.5

Manual Integrations
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.169 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.00 min
 Lab File: VL037369.D
 Acq: 7 Aug 2021 7:55

Tgt Ion: 105 Resp: 47588
 Ion Ratio Lower Upper
 105 100
 120 50.1 39.7 59.5
 91 12.0 35.0 52.6#
 77 10.0 16.1 24.1#

