

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036862.D
 Acq On : 27 Apr 2021 17:51
 Operator : SY/AP
 Sample : M2172-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2021
 Supervised By :Mahesh Dadoda 04/29/2021

Quant Time: Apr 29 16:09:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1470004	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3445954	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3123904m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2464320	9.83	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	16442m	1.580	ppbv	
15) Acetone	3.87	43	109829m	0.793	ppbv	
20) Methylene Chloride	4.35	84	138181	2.086	ppbv	96
26) Hexane	5.70	57	114644m	0.724	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	88669m	0.624	ppbv	

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

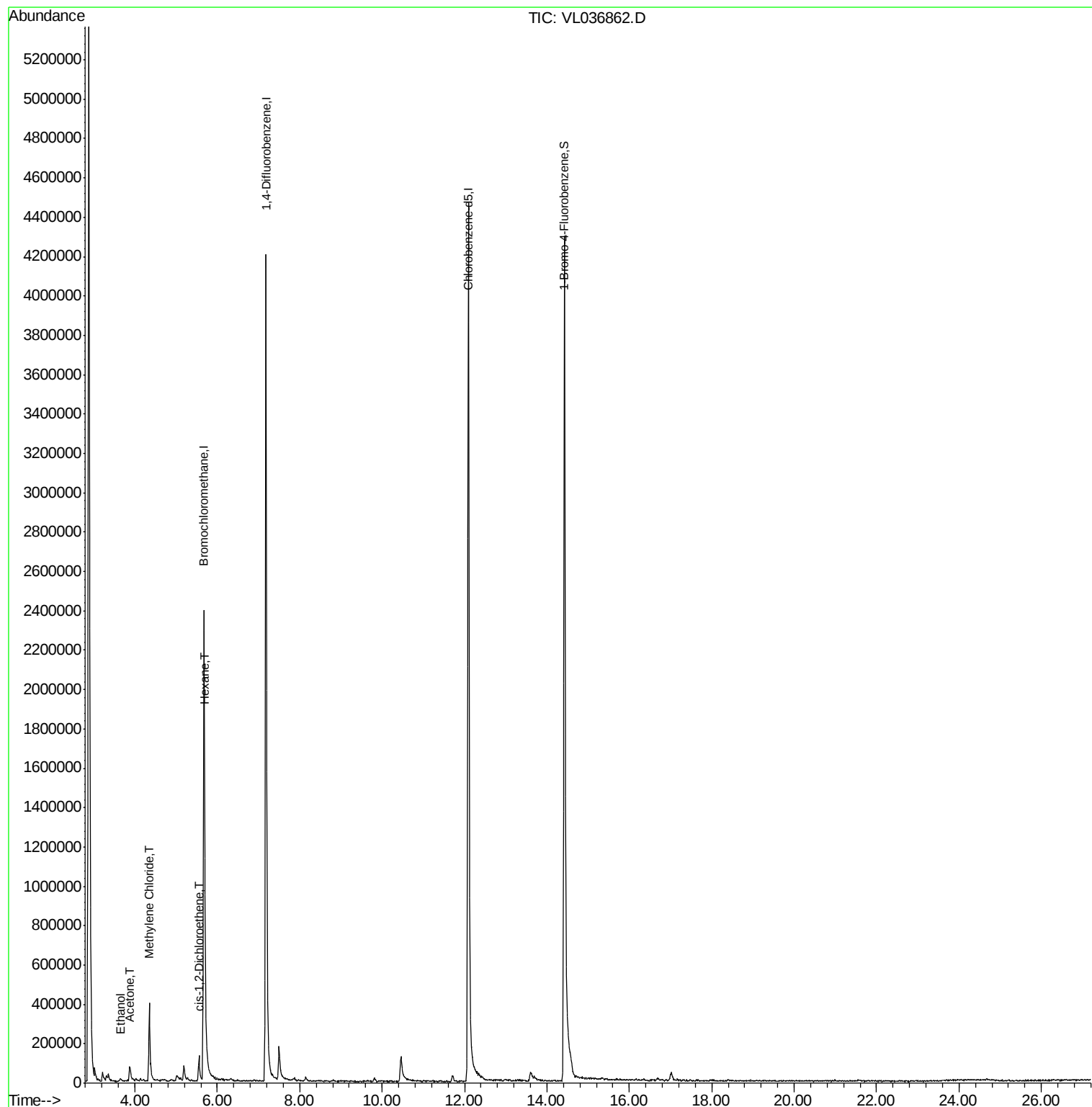
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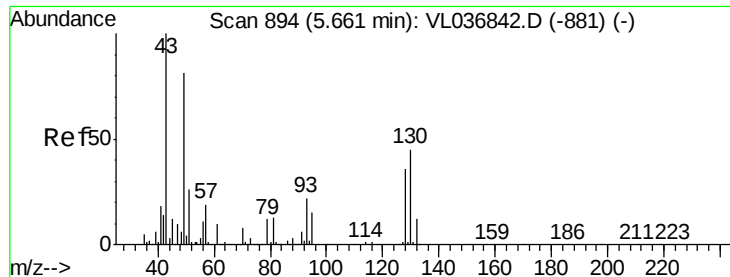
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1DL

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Apr 2021 17:51 OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion:

Ion Ratio

49 100

128 46.

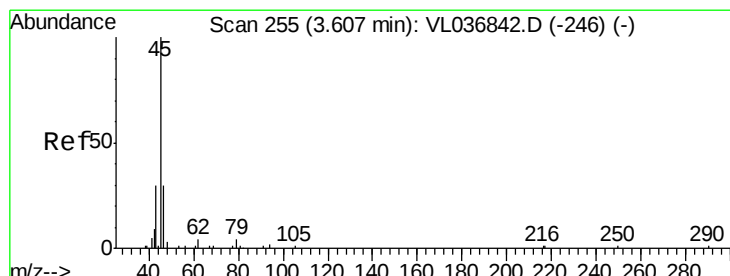
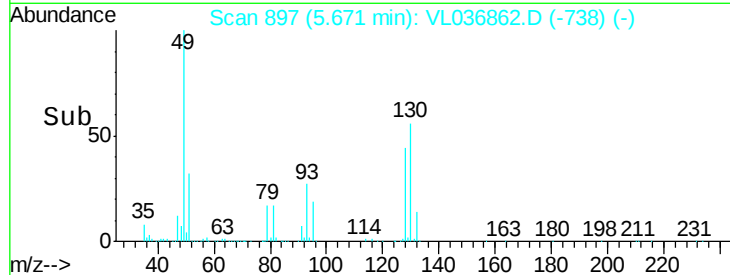
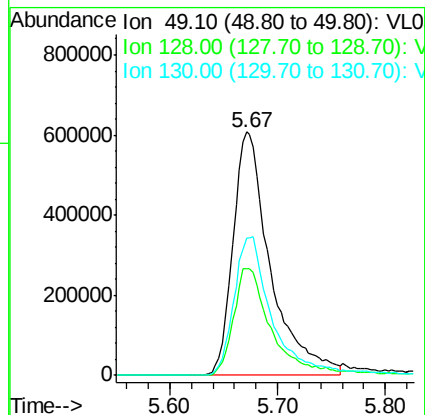
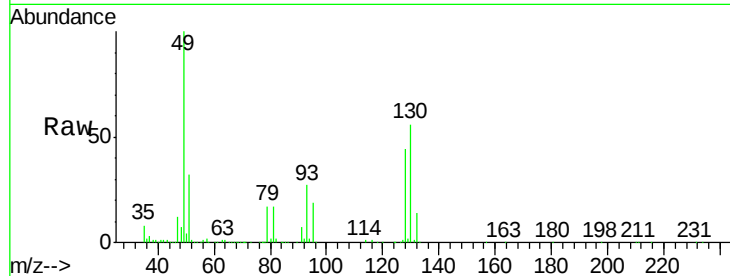
130 59.

Manual Integrations

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#13

Ethanol

Concen: 1.580 ppbv m

RT: 3.63 min Scan# 263

Delta R.T. 0.03 min

Lab File: VL036862.D

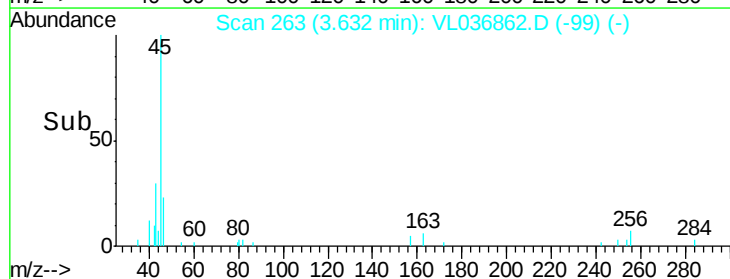
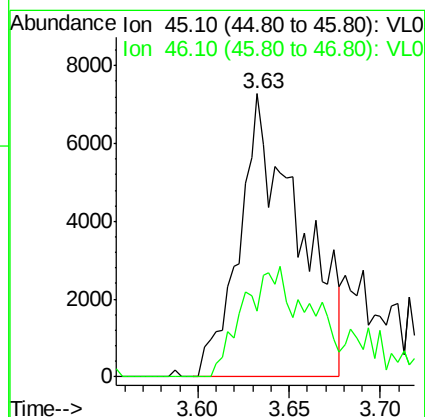
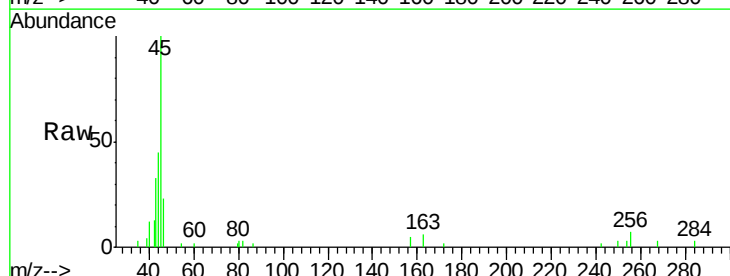
Acq: 27 Apr 2021 17:51

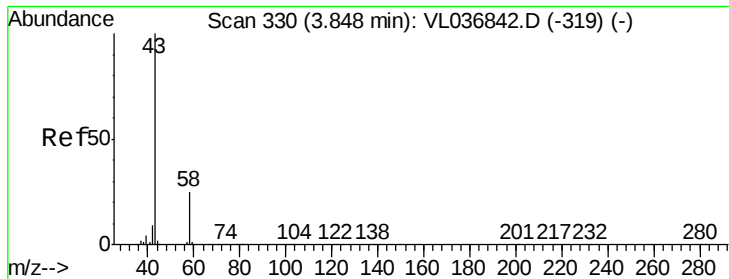
Tgt Ion: 45 Resp: 16442

Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.4#





#15

Acetone

Concen: 0.793 ppbv m

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 17:51 OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion:

Ion Ratio

43 100

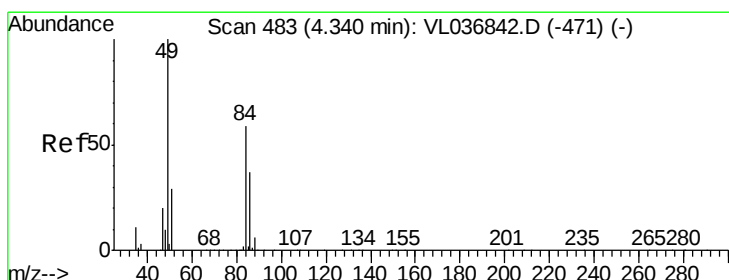
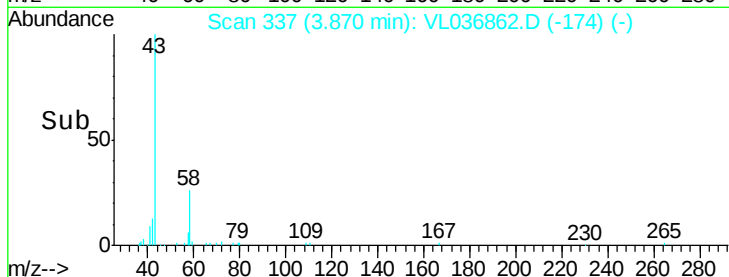
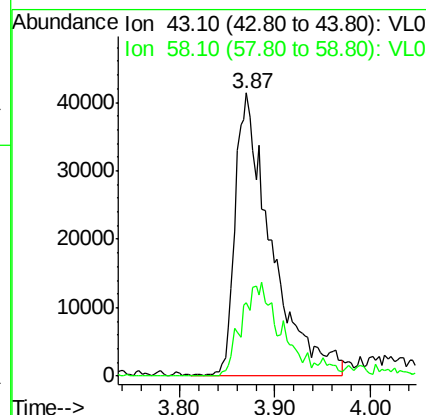
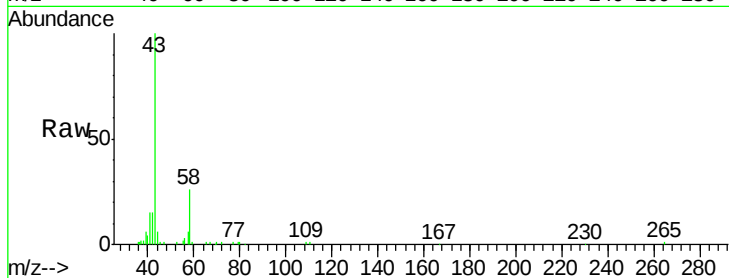
58 0.

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#20

Methylene Chloride

Concen: 2.086 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL036862.D

Acq: 27 Apr 2021 17:51

Tgt Ion: 84 Resp: 138181

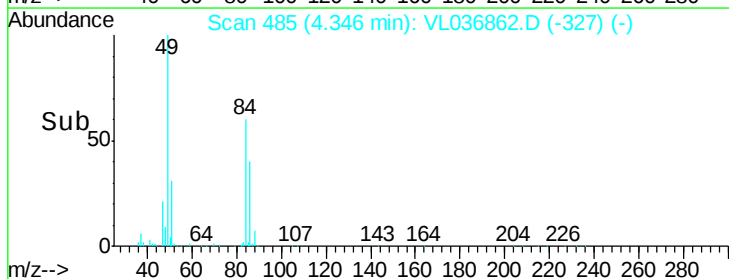
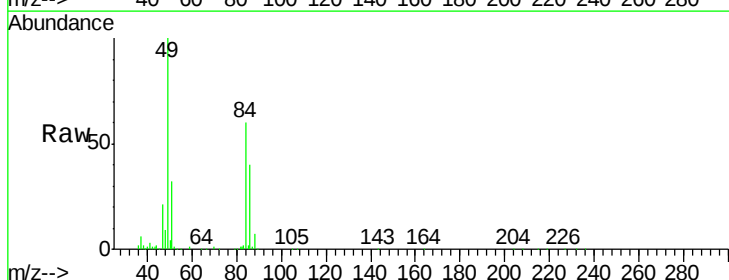
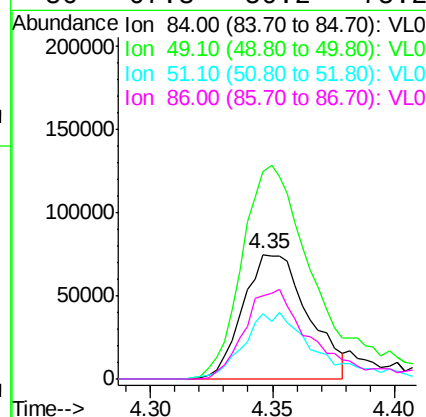
Ion Ratio Lower Upper

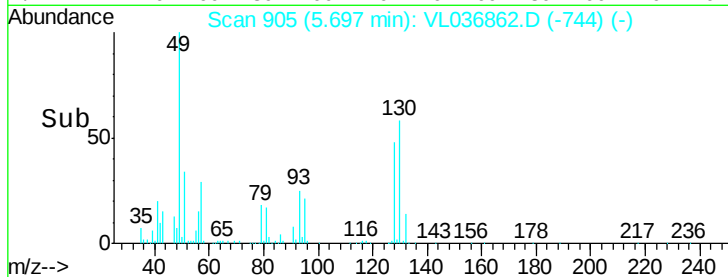
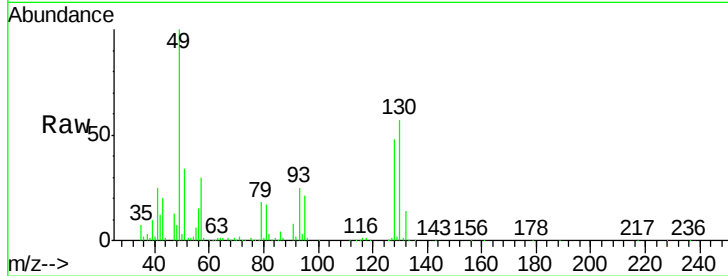
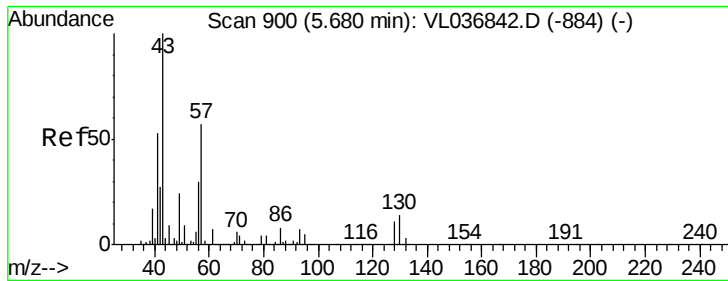
84 100

49 165.0 135.4 203.0

51 51.9 39.3 58.9

86 67.3 50.2 75.2





#26

Hexane

Concen: 0.724 ppbv m

RT: 5.70

Delta R.T.

Lab File:

Acq: 27 Apr 2021 17:51

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion:

Ion Ratio

57 100

41 0.

43 0.

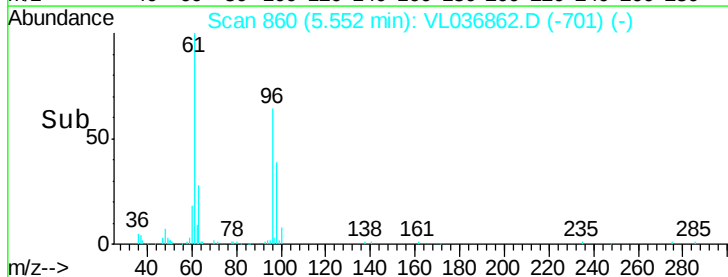
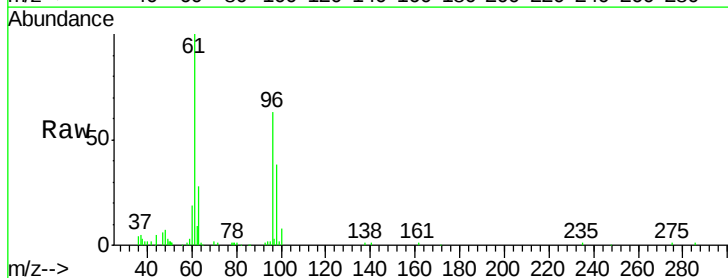
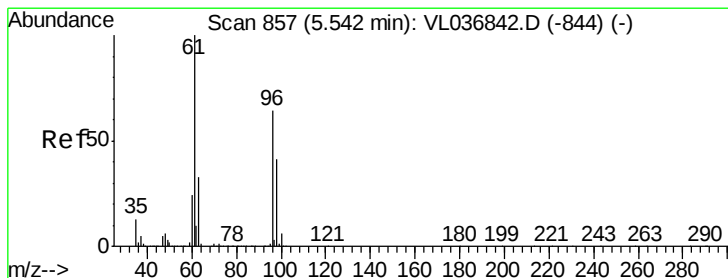
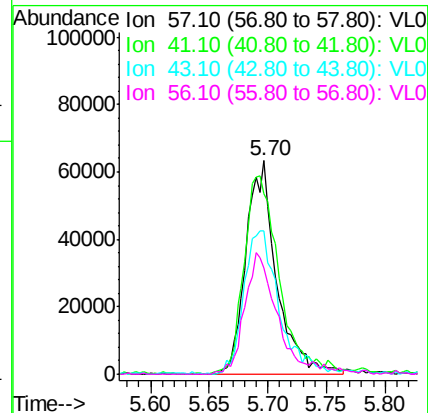
56 61.8

Manual Integrations

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#31

cis-1,2-Dichloroethene

Concen: 0.624 ppbv m

RT: 5.55 min Scan# 860

Delta R.T. 0.01 min

Lab File: VL036862.D

Acq: 27 Apr 2021 17:51

Tgt Ion: 61 Resp: 88669

Ion Ratio Lower Upper

61 100

96 62.6

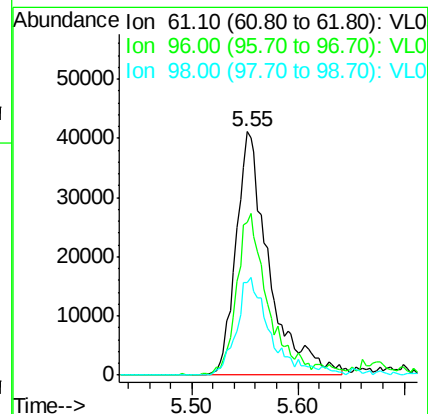
98 38.0

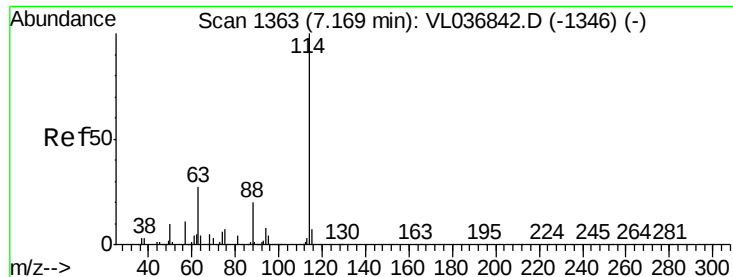
51.0

76.6

32.7

49.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

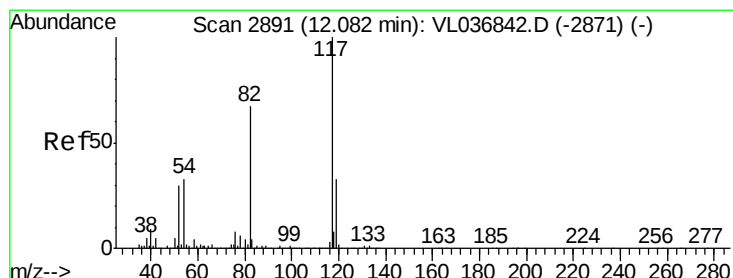
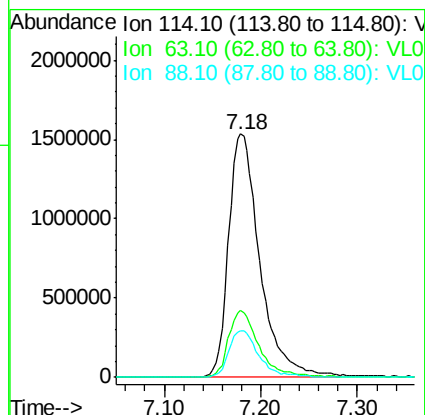
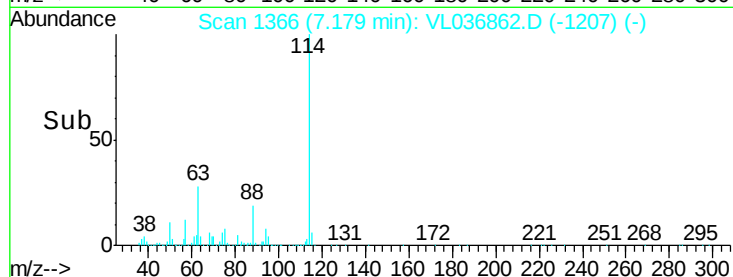
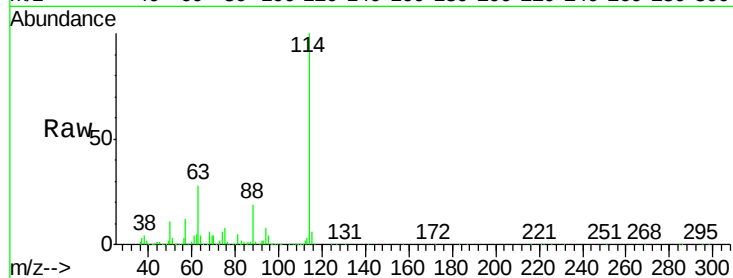
Lab File: ClientSampleId:

Acq: 27 Apr 2021 17:51 OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion:1
Ion Rati
114 100
63 27.
88 18.

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

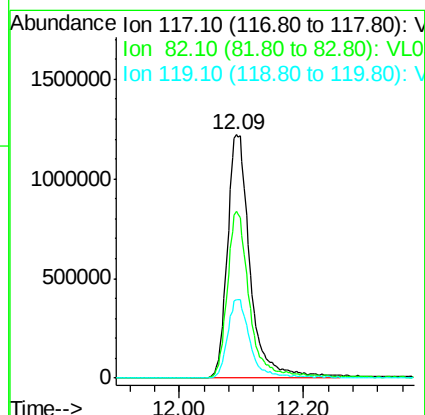
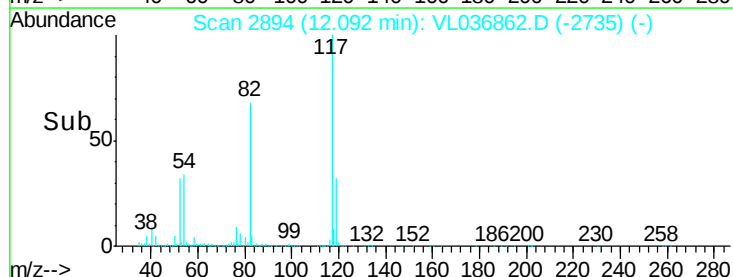
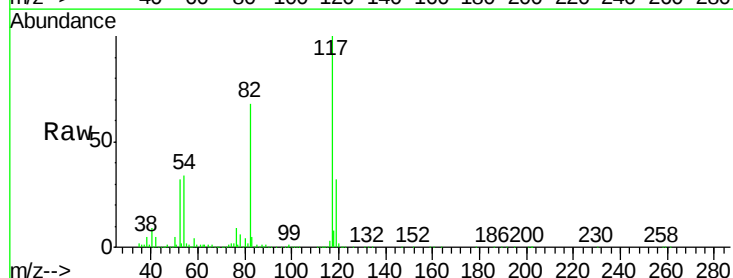
RT: 12.09 min Scan# 2894

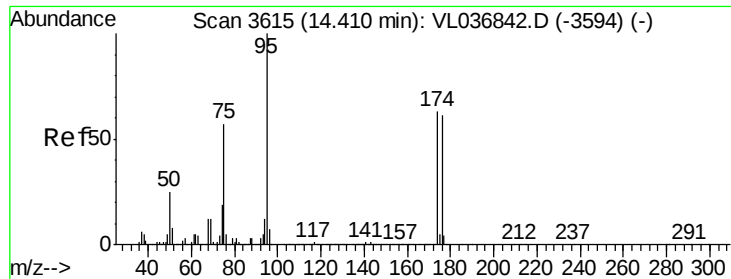
Delta R.T. 0.01 min

Lab File: VL036862.D

Acq: 27 Apr 2021 17:51

Tgt Ion:117 Resp: 3123904
Ion Ratio Lower Upper
117 100
82 0.0 53.5 80.3#
119 0.0 25.6 38.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.827 ppbv

RT: 14.43

Delta R.T

Lab File:

Acq: 27 Apr 2021 17:51

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion:

Ion Ratio

95 100

174 64.

175 4.

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