

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052021\
 Data File : VL037030.D
 Acq On : 20 May 2021 19:10
 Operator : SY/AP
 Sample : M2424-03DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-02DL

Manual Integrations
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Quant Time: May 22 22:55:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1214387	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	3544008	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	3121681	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2226201	9.49	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.00	41	23874m	0.300	ppbv	
15) Acetone	3.83	43	1211808	9.742	ppbv	99
27) Carbon Disulfide	4.52	76	341554m	2.219	ppbv	

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

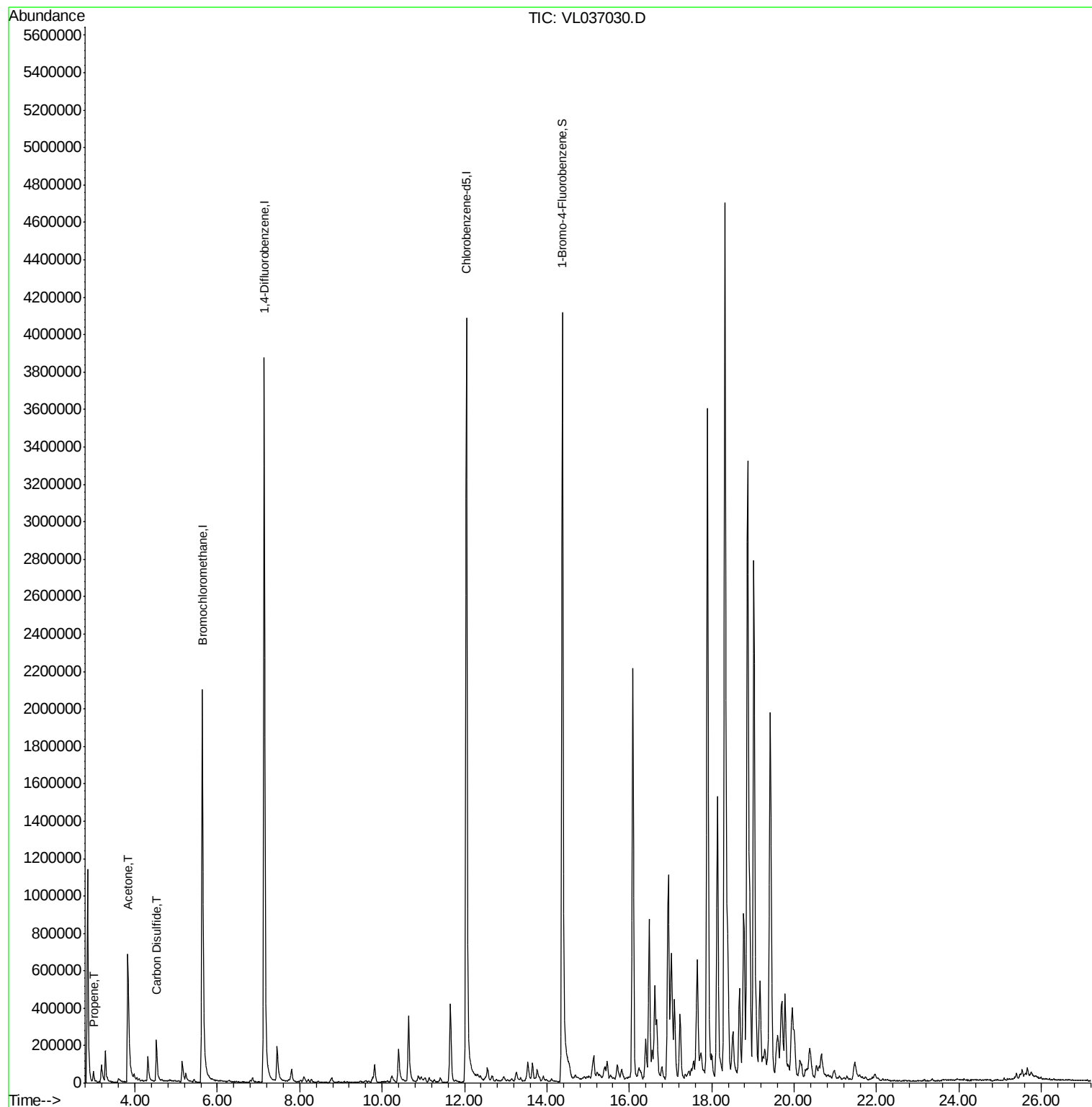
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL052021\
Data File : VL037030.D
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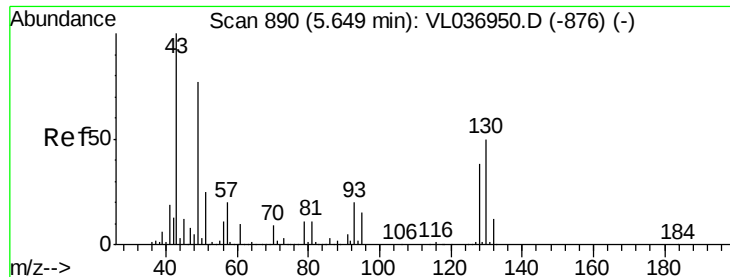
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: May 22 22:55:24 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.02 min

Lab File: VL037030.D

Acq: 20 May 2021 19:10

Instrument :

MSVOA_L

ClientSampleId :

KSV-02DL

Tgt Ion: 49 Resp: 1214387

Ion Ratio Lower Upper

49 100

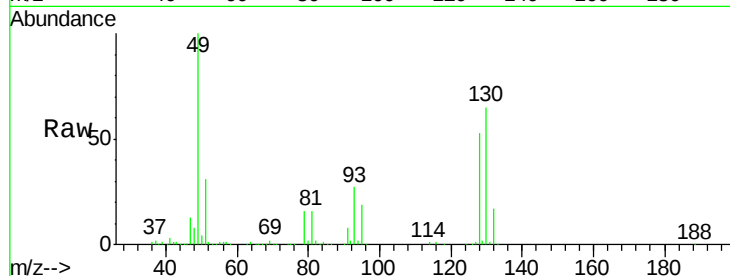
128 53.2 26.9 80.7

130 69.4 33.8 101.4

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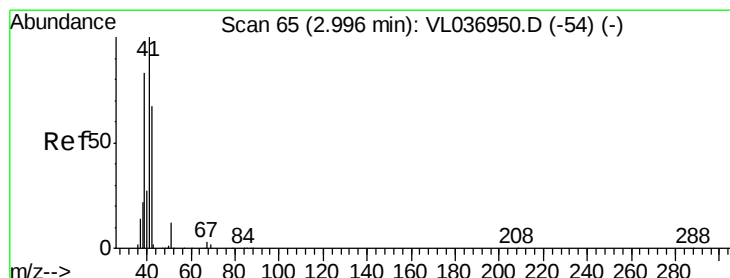
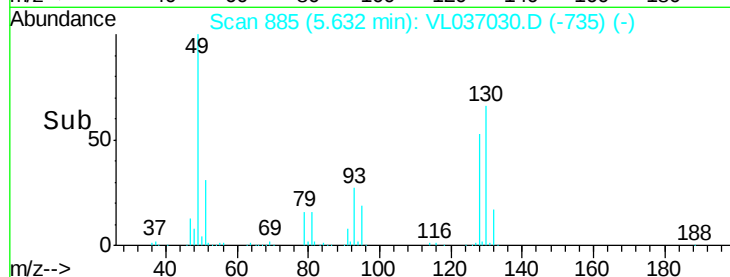
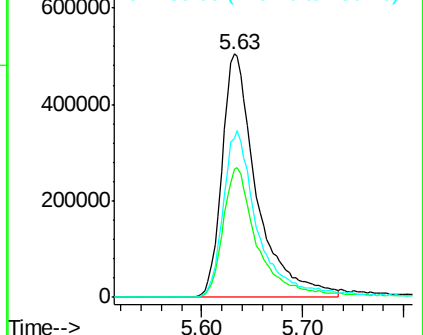
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.300 ppbv m

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL037030.D

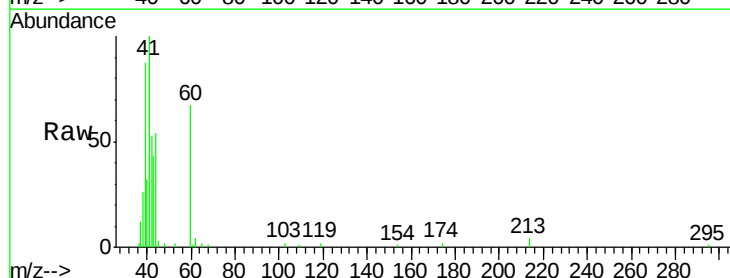
Acq: 20 May 2021 19:10

Tgt Ion: 41 Resp: 23874

Ion Ratio Lower Upper

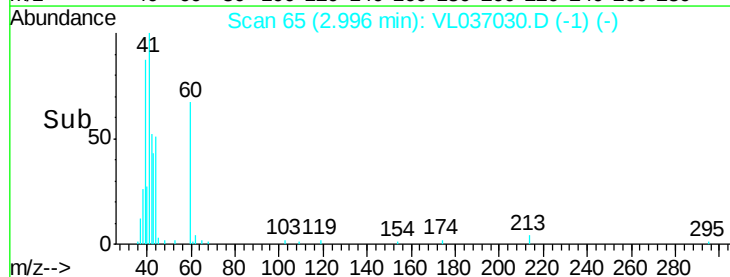
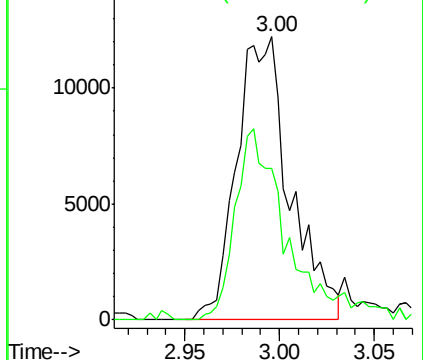
41 100

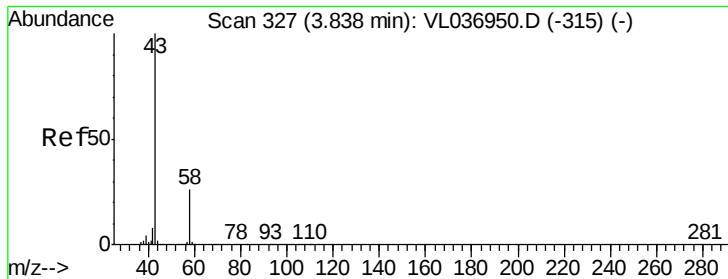
42 6.2 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 9.742 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL037030.D

Acq: 20 May 2021 19:10

Instrument :

MSVOA_L

ClientSampleId :

KSV-02DL

Tgt Ion: 43 Resp: 1211808

Ion Ratio Lower Upper

43 100

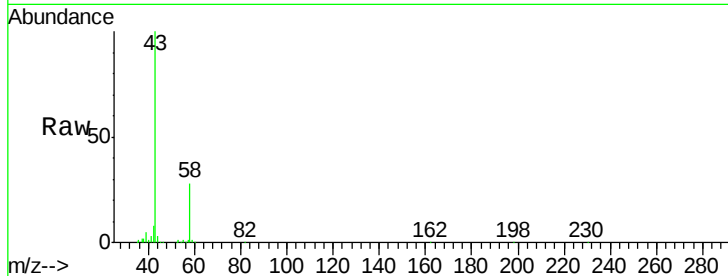
58 29.6 24.0 36.0

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

400000

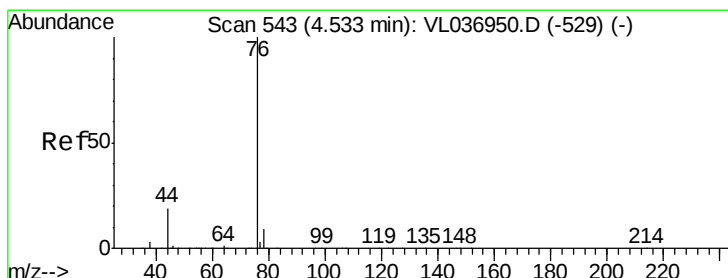
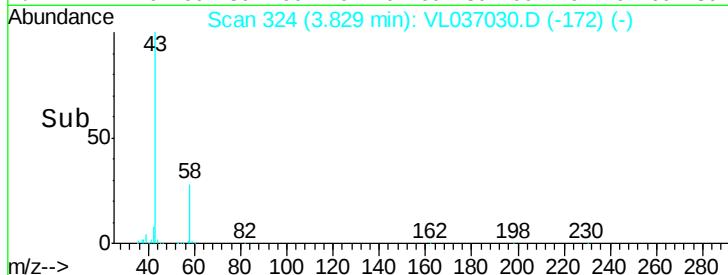
300000

200000

100000

0

Time-->



#27

Carbon Disulfide

Concen: 2.219 ppbv m

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL037030.D

Acq: 20 May 2021 19:10

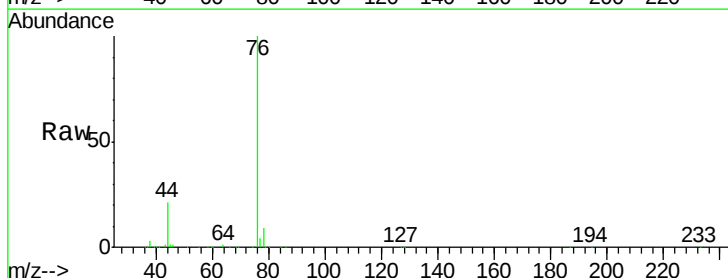
Tgt Ion: 76 Resp: 341554

Ion Ratio Lower Upper

76 100

44 19.7 15.5 23.3

78 9.8 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

200000

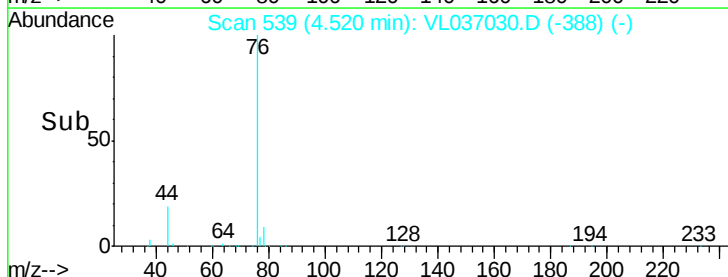
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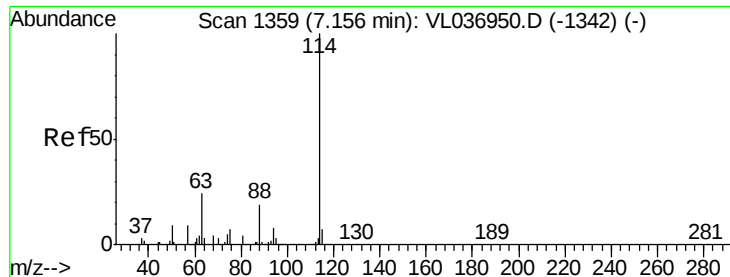
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Time-->





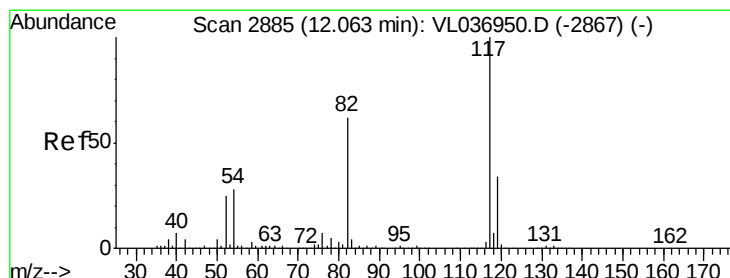
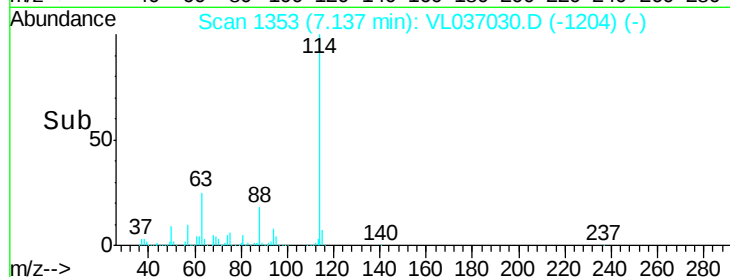
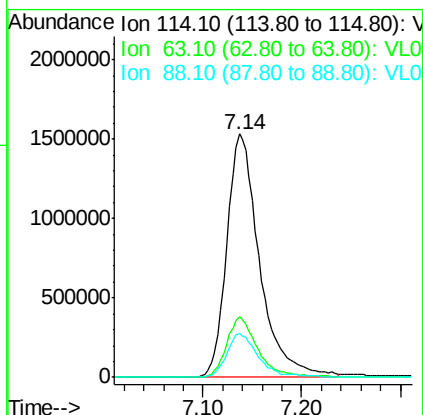
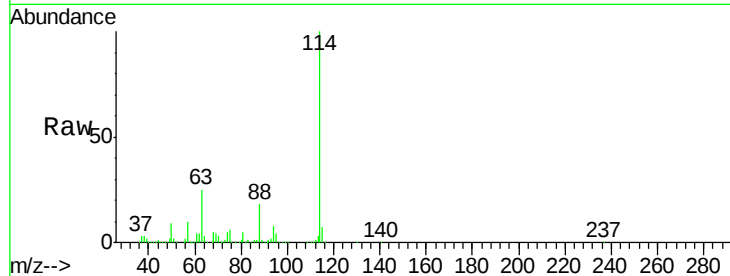
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VL037030.D
 Acq: 20 May 2021 19:10

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-02DL

Tgt Ion:114 Resp: 3544008
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.9 14.6 21.8

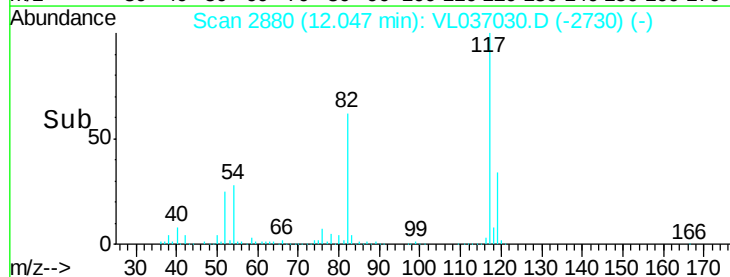
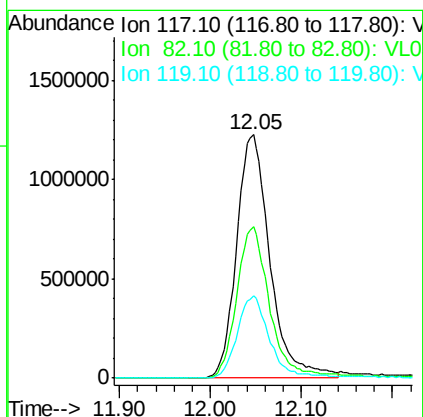
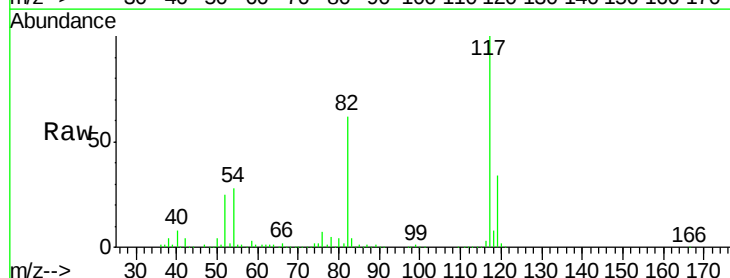
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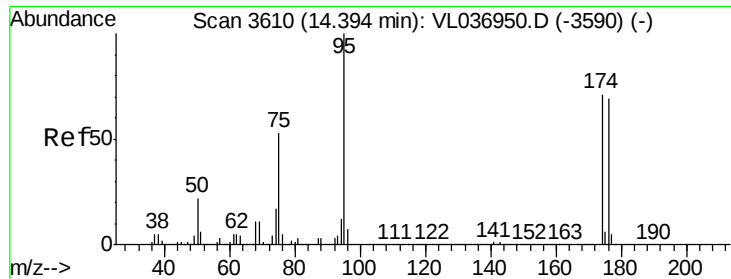
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.05 min Scan# 2880
 Delta R.T. -0.02 min
 Lab File: VL037030.D
 Acq: 20 May 2021 19:10

Tgt Ion:117 Resp: 3121681
 Ion Ratio Lower Upper
 117 100
 82 63.7 52.6 79.0
 119 34.0 46.6 70.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.493 ppbv
 RT: 14.37 min Scan# 3604
 Delta R.T. -0.02 min
 Lab File: VL037030.D
 Acq: 20 May 2021 19:10

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-02DL

Tgt Ion: 95 Resp: 2226201
 Ion Ratio Lower Upper
 95 100
 174 76.9 58.4 87.6
 175 5.6 4.4 6.6

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