

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040521\
 Data File : VL036689.D
 Acq On : 6 Apr 2021 1:44
 Operator : SY/AP
 Sample : M1877-09DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-6(2021)DL

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 5:14:37 PM

Quant Time: Apr 06 14:46:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1265260	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3101944	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2829508	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2165067	9.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	30403m	3.388	ppbv	
15) Acetone	3.85	43	189389	1.521	ppbv #	79
20) Methylene Chloride	4.35	84	110740	1.899	ppbv	90
26) Hexane	5.69	57	57216	0.416	ppbv #	44

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

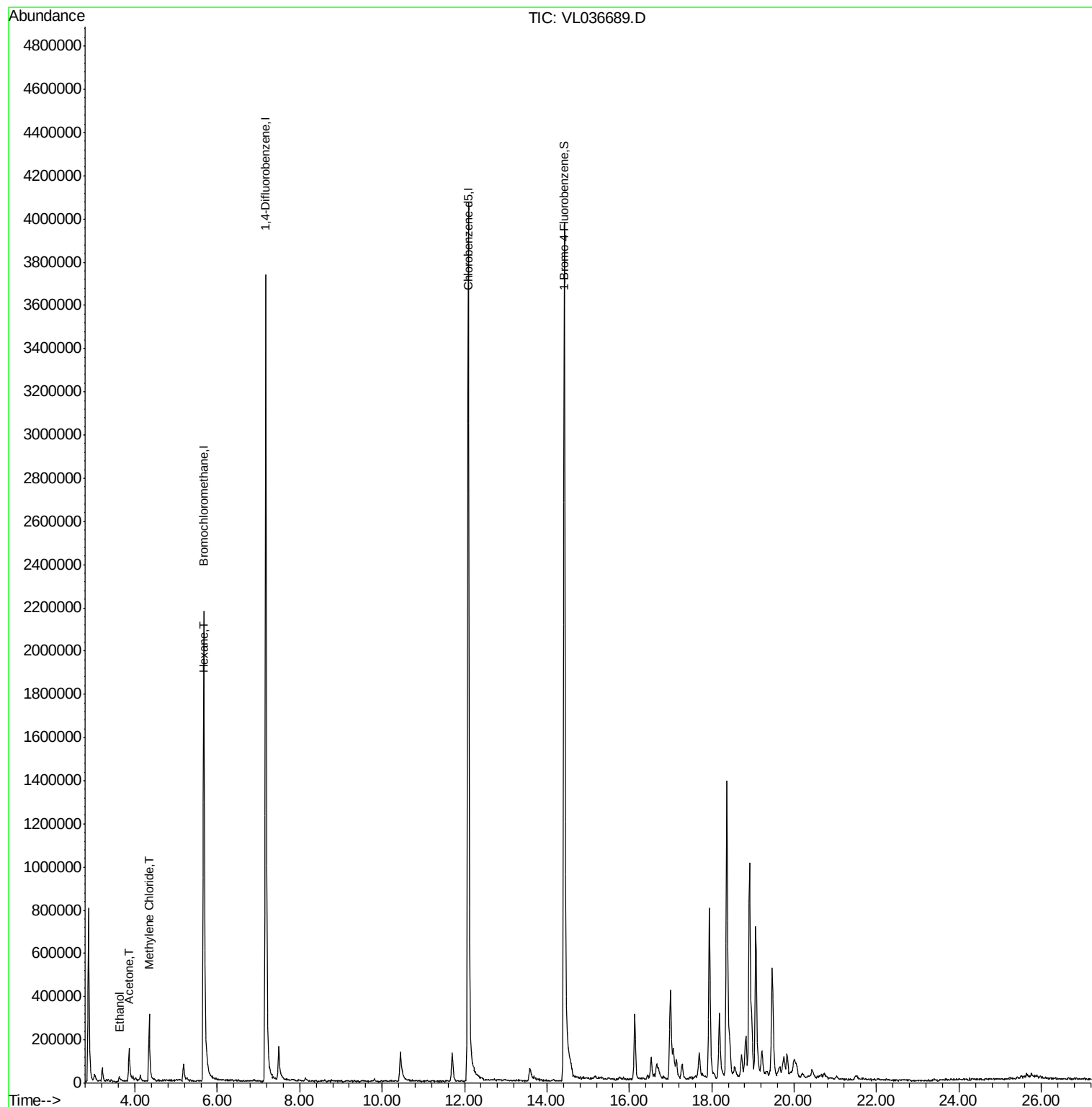
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040521\
Data File : VL036689.D
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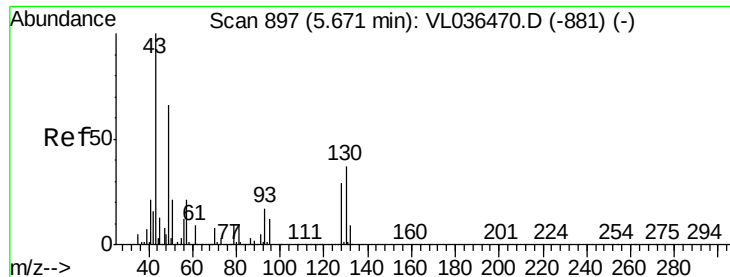
Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036689.D

Acq: 6 Apr 2021 1:44

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-6(2021)DL

Tot Ion: 49 Resp: 1265260

Ion Ratio Lower Upper

49 100

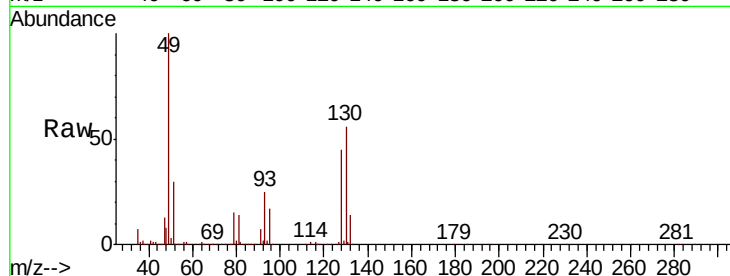
128 46.6 23.5 70.6

130 61.2 29.1 87.4

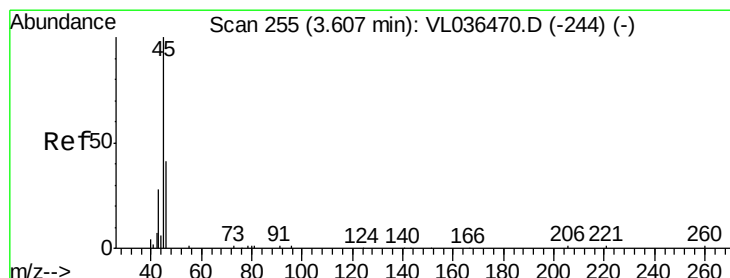
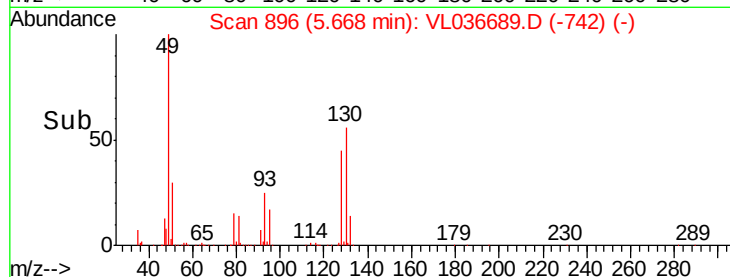
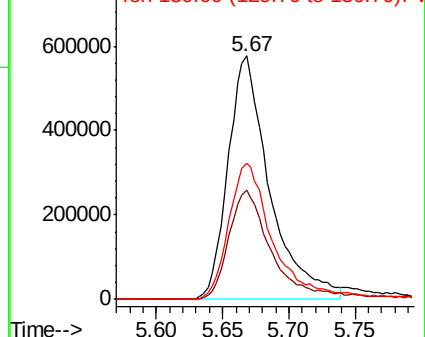
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 3.388 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL036689.D

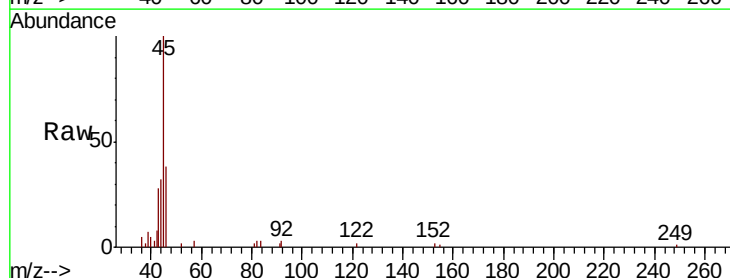
Acq: 6 Apr 2021 1:44

Tgt Ion: 45 Resp: 30403

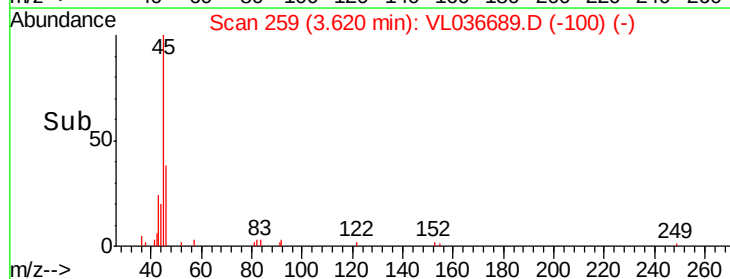
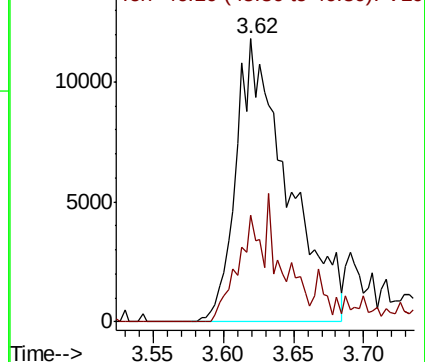
Ion Ratio Lower Upper

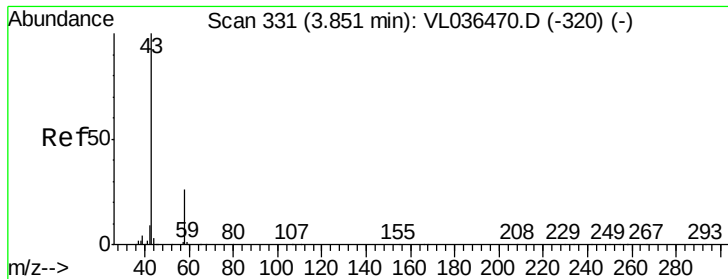
45 100

46 0.0 16.6 66.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.521 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL036689.D

Acq: 6 Apr 2021 1:44

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-6(2021)DL

Tot Ion: 43 Resp: 189389

Ion Ratio Lower Upper

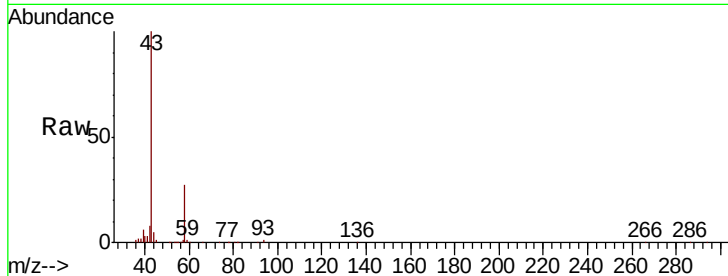
43 100

58 37.4 21.2 31.8#

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

100000

80000

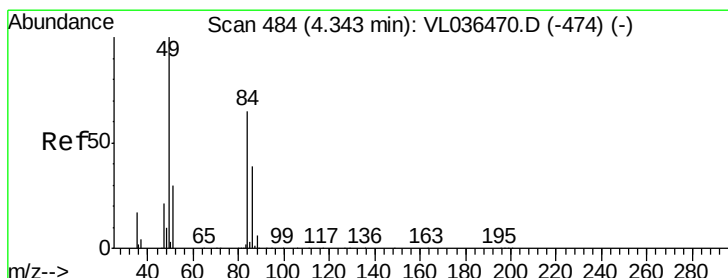
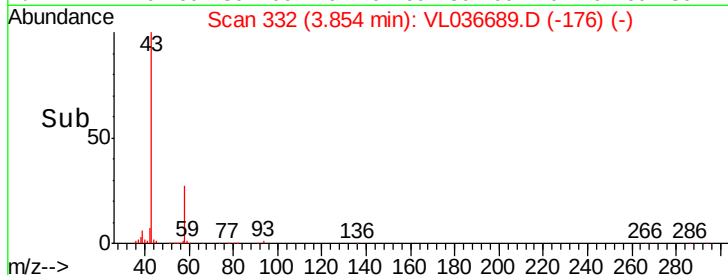
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 1.899 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036689.D

Acq: 6 Apr 2021 1:44

Tgt Ion: 84 Resp: 110740

Ion Ratio Lower Upper

84 100

49 168.2 122.9 184.3

51 49.1 36.9 55.3

86 67.1 48.2 72.4

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

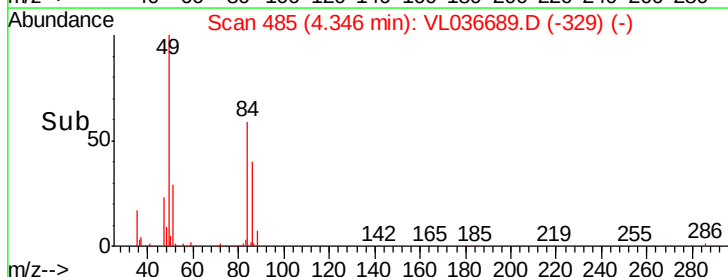
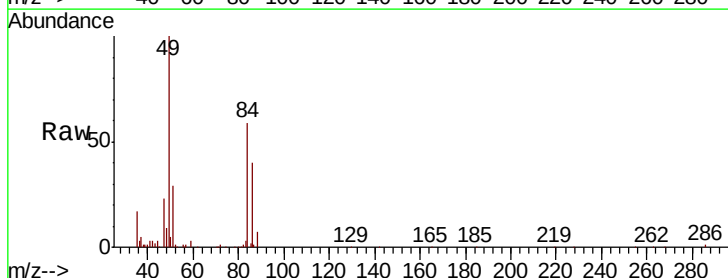
150000

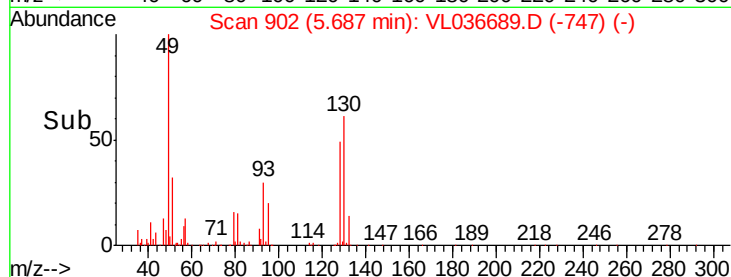
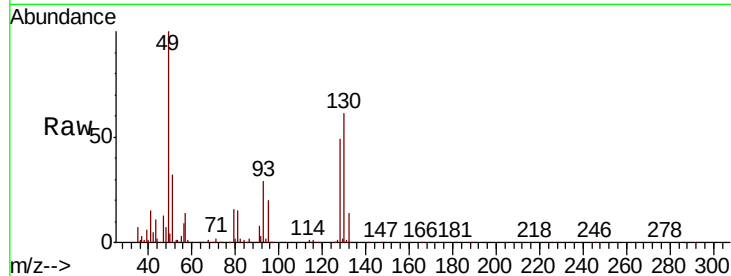
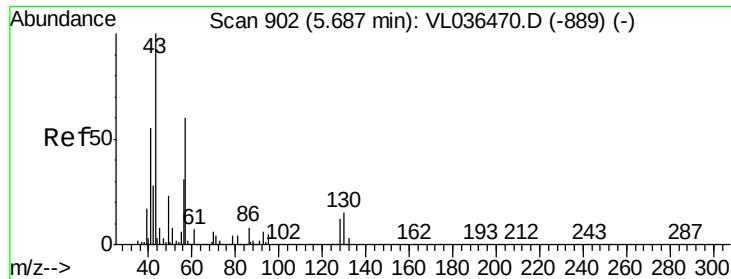
100000

50000

0

Time-->





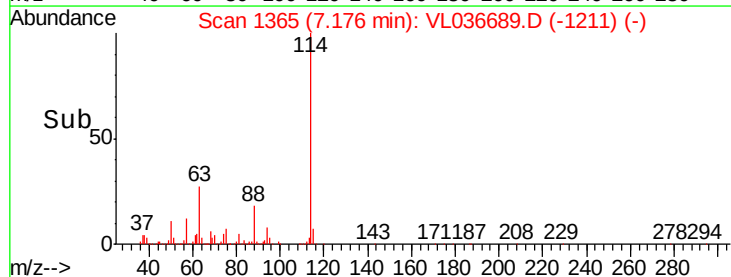
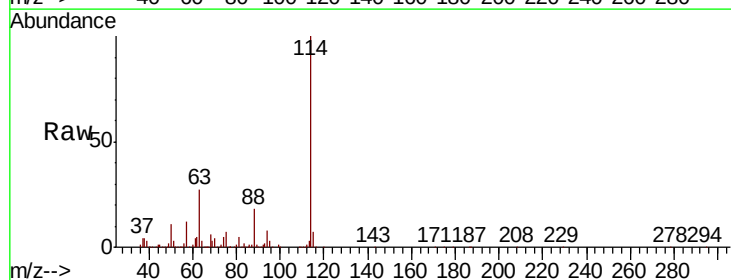
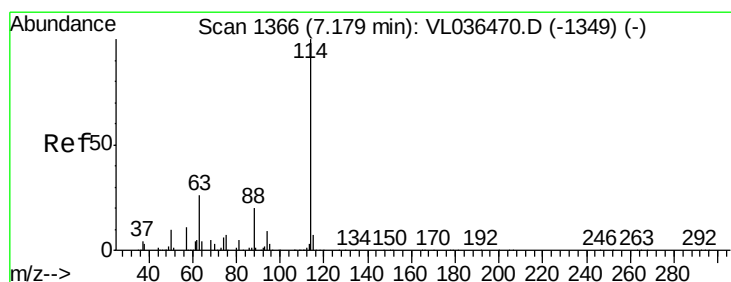
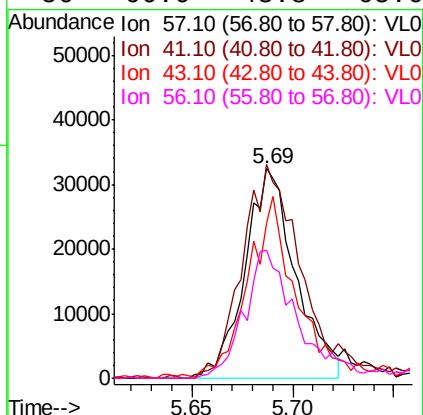
#26
Hexane
Concen: 0.416 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036689.D
Acq: 6 Apr 2021 1:44

Tot Ion	Ratio	Lower	Upper
57	100		
41	122.5	77.2	115.8#
43	90.1	173.8	260.6#
56	66.0	43.8	65.6#

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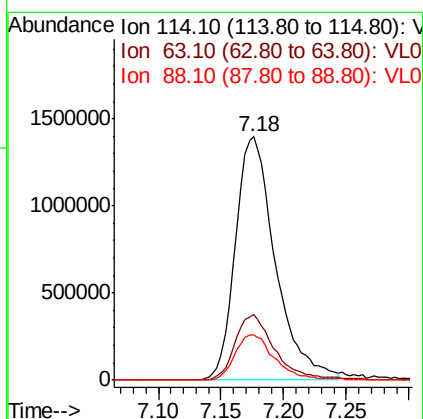
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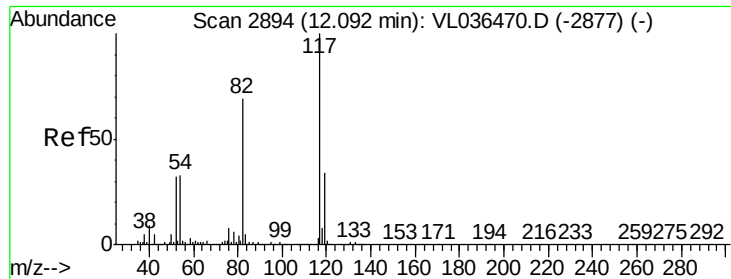
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036689.D
Acq: 6 Apr 2021 1:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	18.8	15.4	23.0





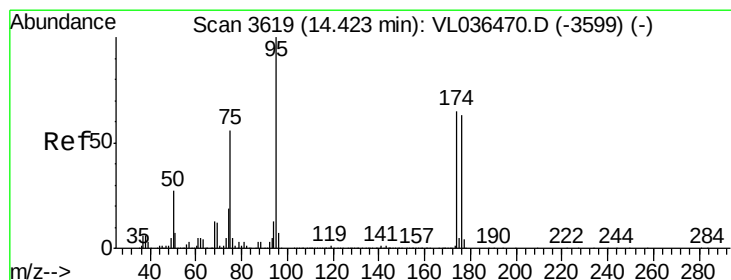
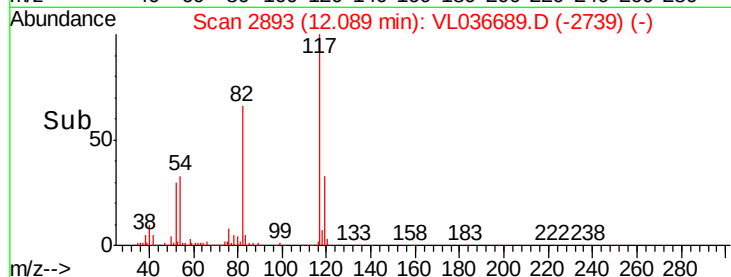
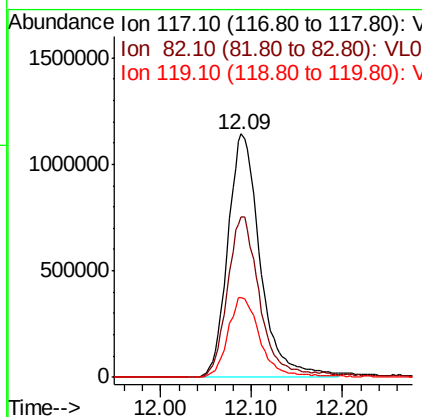
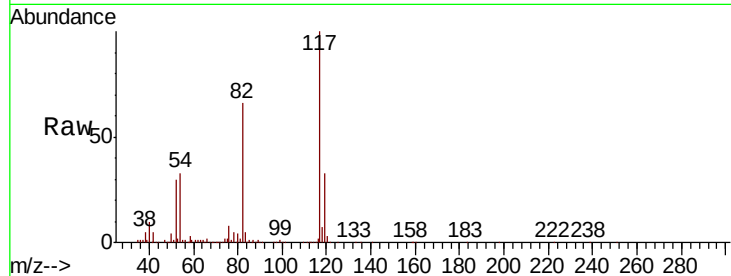
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL036689.D
Acq: 6 Apr 2021 1:44

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-6(2021)DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.9	57.4	86.0
119	32.9	47.4	71.0

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.601 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL036689.D
Acq: 6 Apr 2021 1:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.3	51.0	76.6
175	4.6	3.9	5.9

