

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036727.D
 Acq On : 7 Apr 2021 14:49
 Operator : SY/AP
 Sample : VL0407ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABL01

Quant Time: Apr 08 02:40:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 01:58:43 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1332391	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3109773	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2719726	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2123654	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

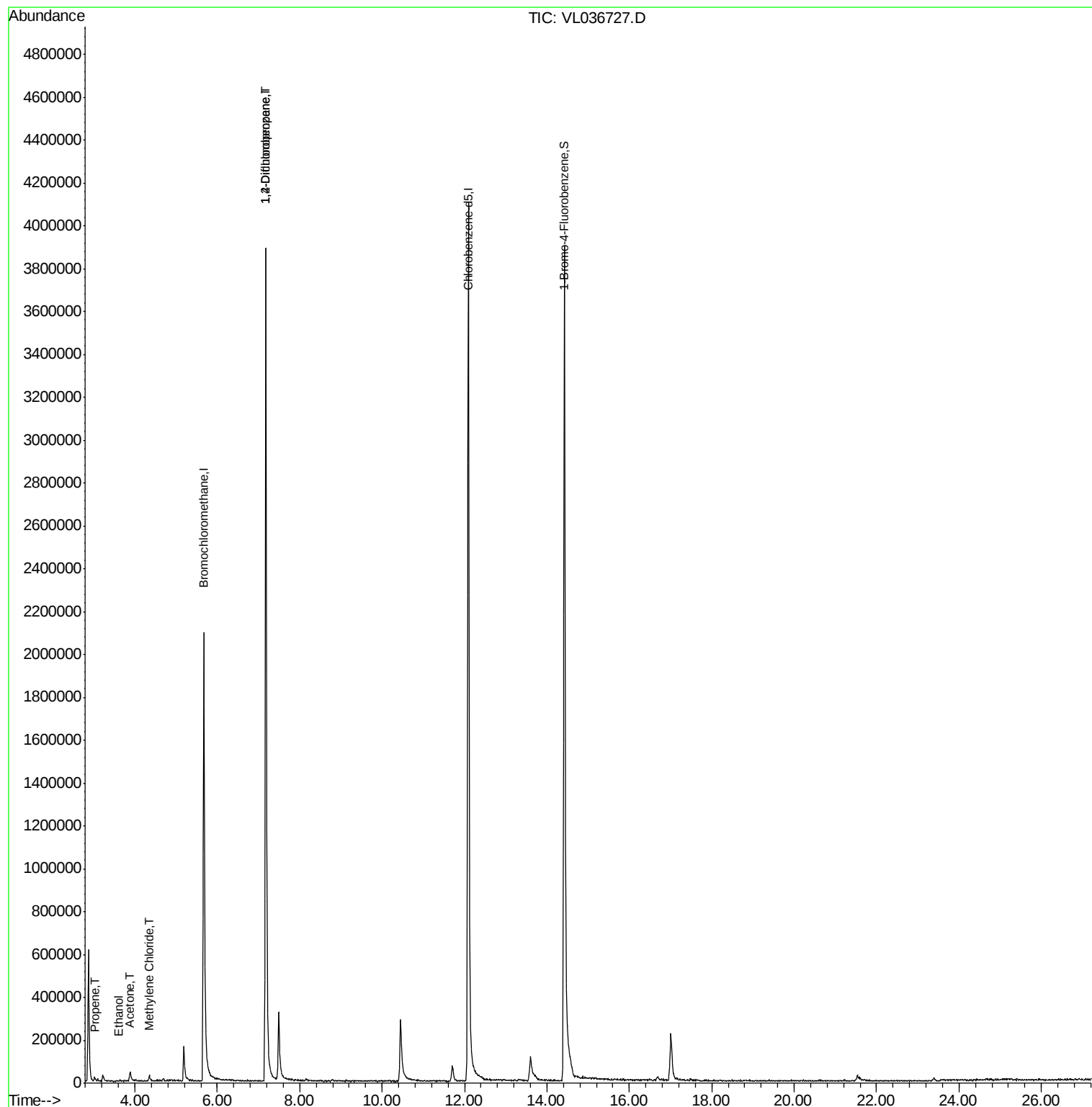
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	4423	0.056	ppbv #	68
13) Ethanol	3.61	45	329	0.035	ppbv #	34
15) Acetone	3.88	43	30056	0.229	ppbv #	1
20) Methylene Chloride	4.35	84	6491	0.106	ppbv #	70
39) 1,2-Dichloropropane	7.18	63	854700	7.346	ppbv #	23

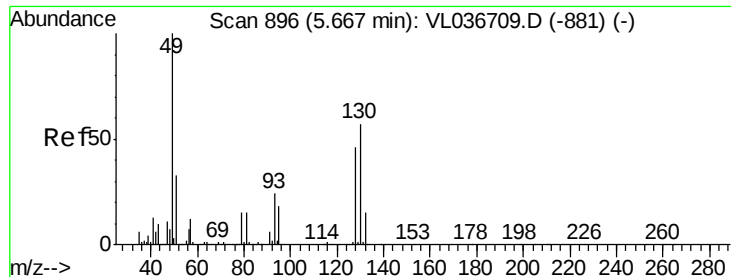
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL036727.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0407ABL01

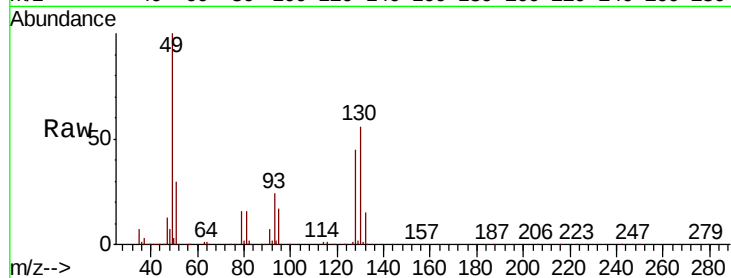
Tot Ion: 49 Resp: 1332391

Ion Ratio Lower Upper

49 100

128 46.0 23.5 70.6

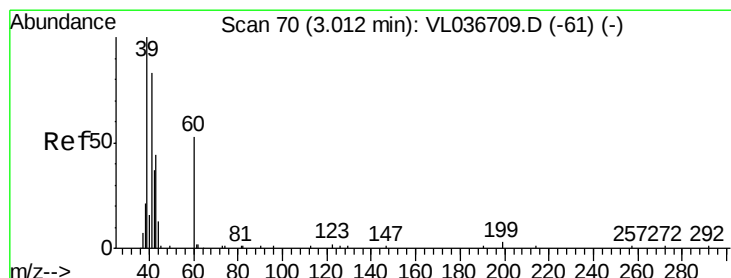
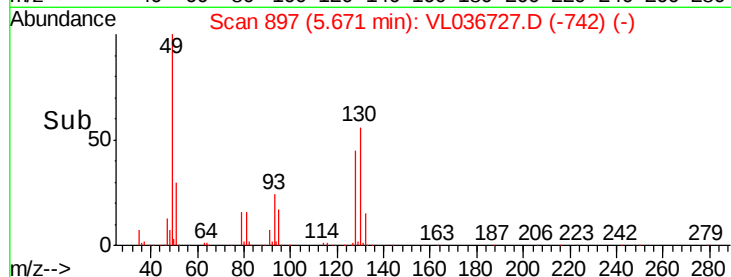
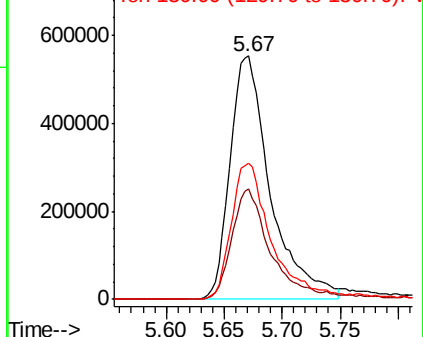
130 58.0 29.1 87.4



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: 0.056 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036727.D

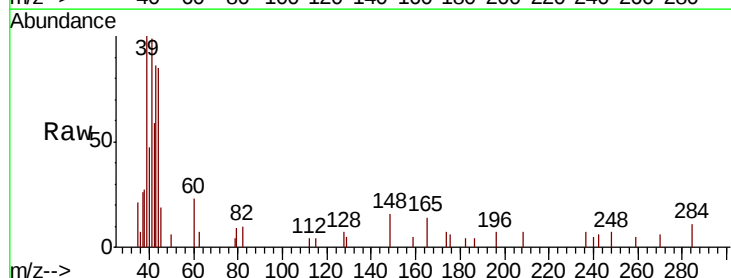
Acq: 7 Apr 2021 14:49

Tgt Ion: 41 Resp: 4423

Ion Ratio Lower Upper

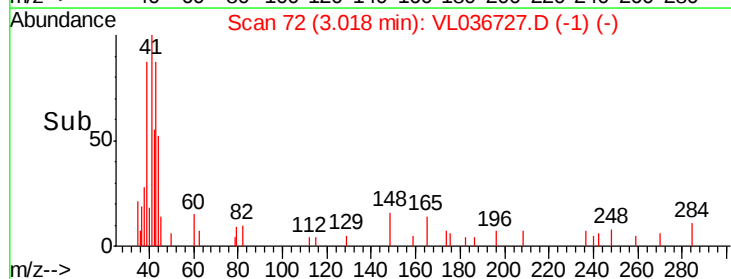
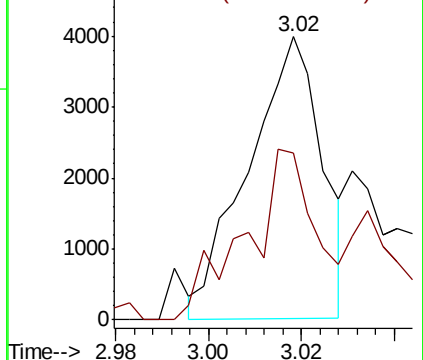
41 100

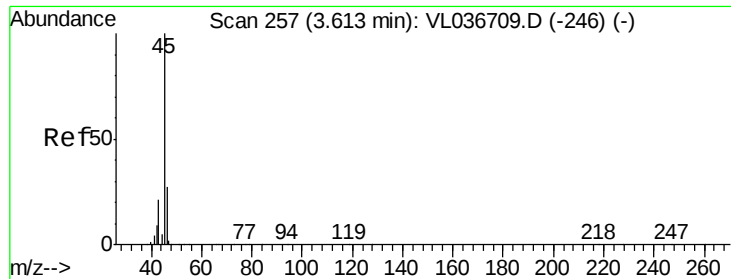
42 97.9 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

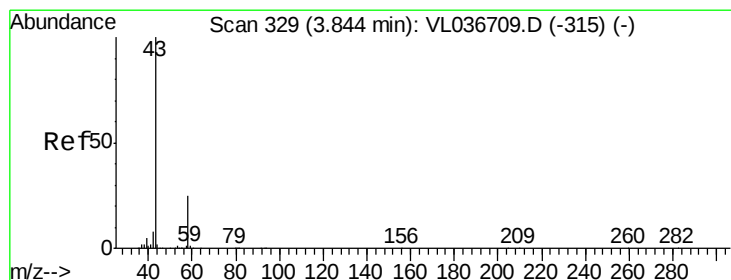
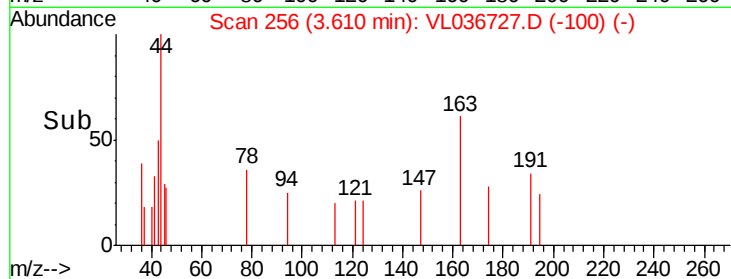
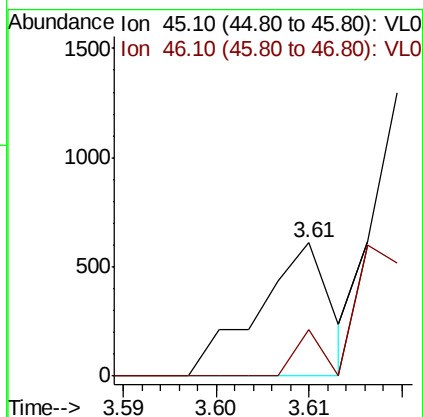
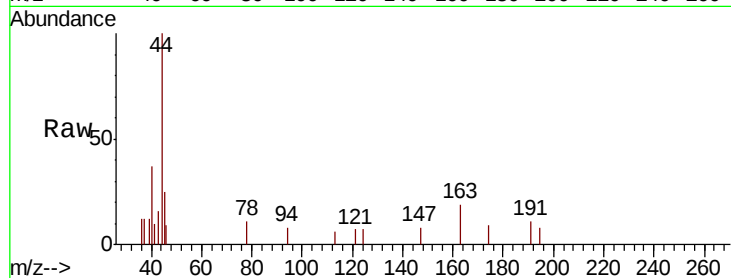




#13
Ethanol
Concen: 0.035 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036727.D
Acq: 7 Apr 2021 14:49

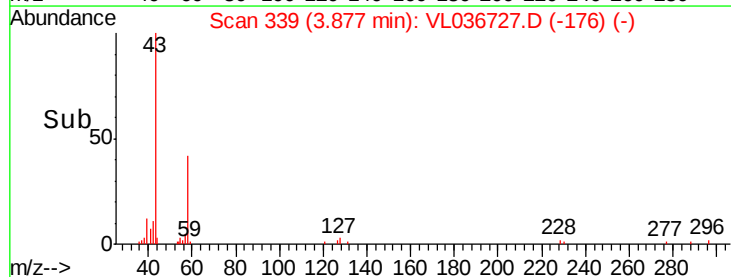
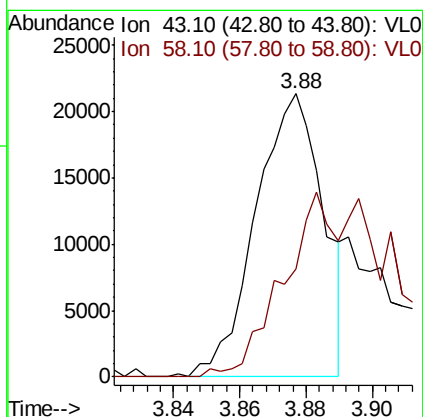
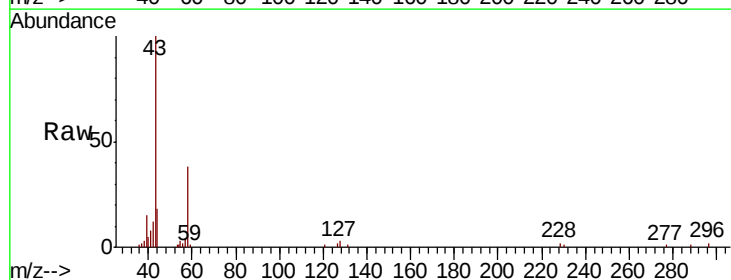
Instrument :
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ClientSampleId :
VL0407ABL01

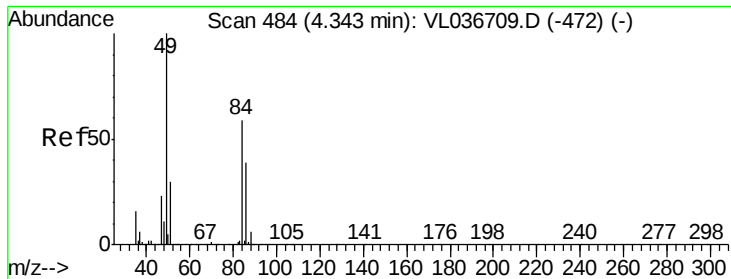
Tot Ion: 45 Resp: 329
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#



#15
Acetone
Concen: 0.229 ppbv
RT: 3.88 min Scan# 339
Delta R.T. 0.03 min
Lab File: VL036727.D
Acq: 7 Apr 2021 14:49

Tgt Ion: 43 Resp: 30056
Ion Ratio Lower Upper
43 100
58 129.2 21.2 31.8#

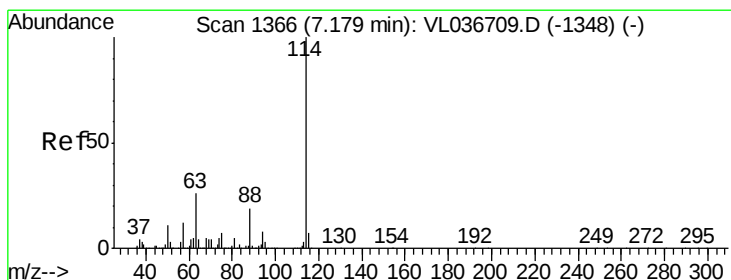
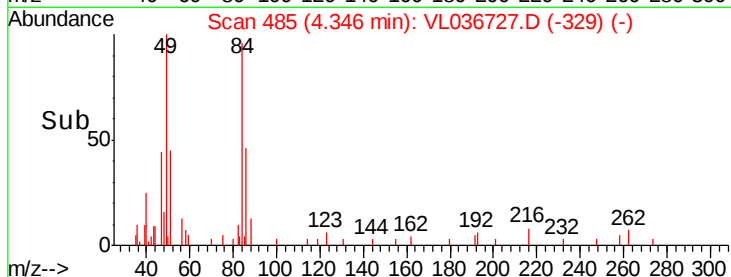
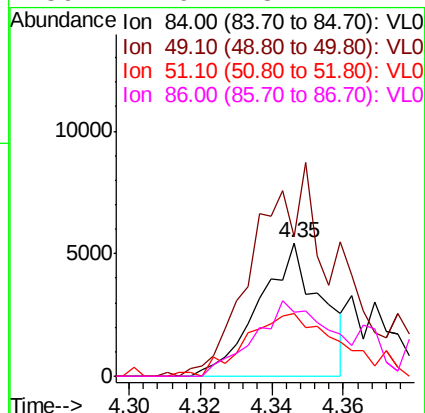
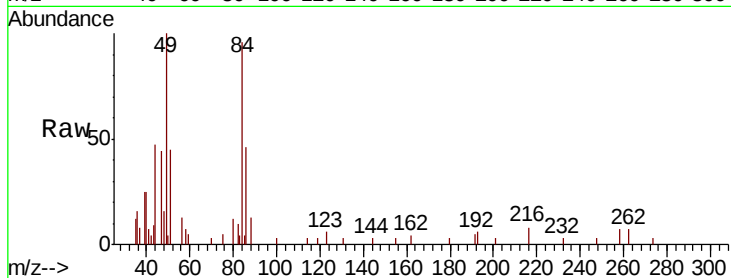




#20
Methylene Chloride
Concen: 0.106 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL036727.D
Acq: 7 Apr 2021 14:49

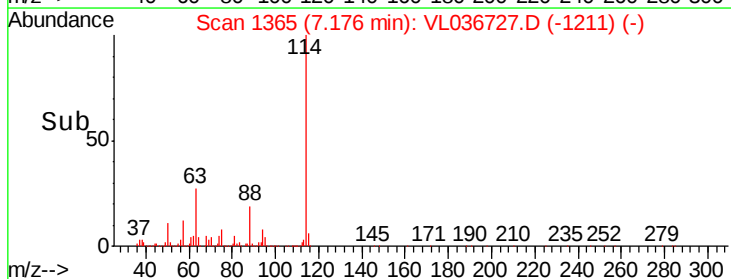
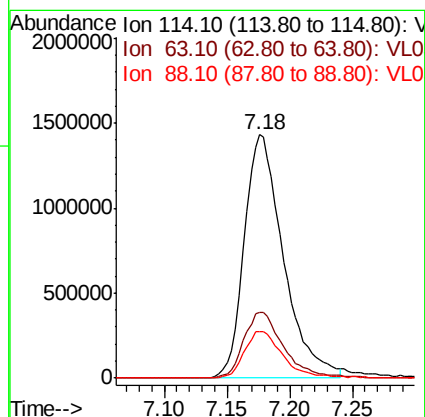
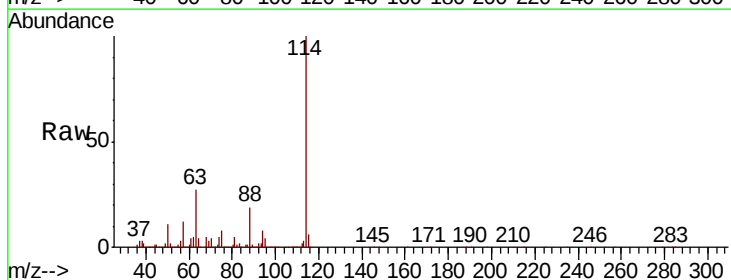
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

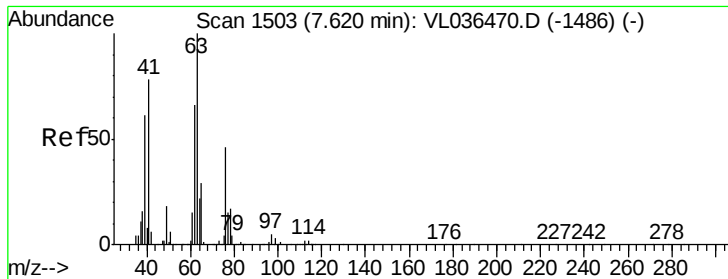
Tot Ion: 84 Resp: 6491
Ion Ratio Lower Upper
84 100
49 98.4 122.9 184.3#
51 44.2 36.9 55.3
86 47.9 48.2 72.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036727.D
Acq: 7 Apr 2021 14:49

Tgt Ion: 114 Resp: 3109773
Ion Ratio Lower Upper
114 100
63 28.1 22.4 33.6
88 19.5 15.4 23.0

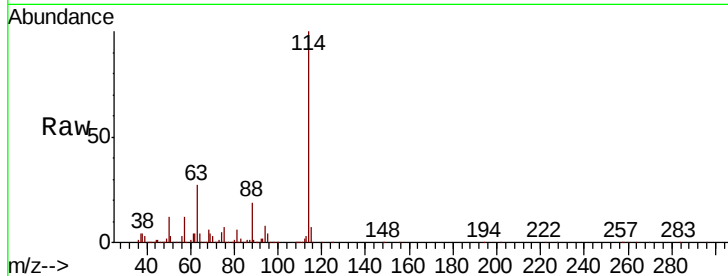




#39
 1,2-Dichloropropane
 Concen: 7.346 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL036727.D
 Acq: 7 Apr 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABL01

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.3	62.4	93.6#
62	15.8	52.8	79.2#

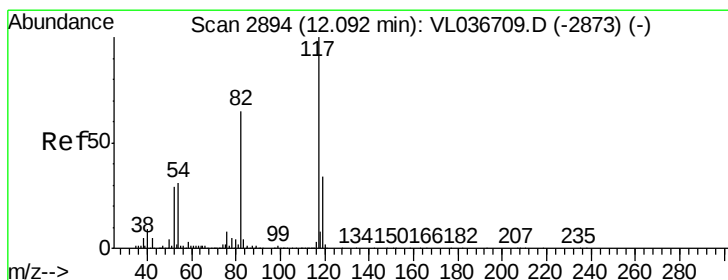
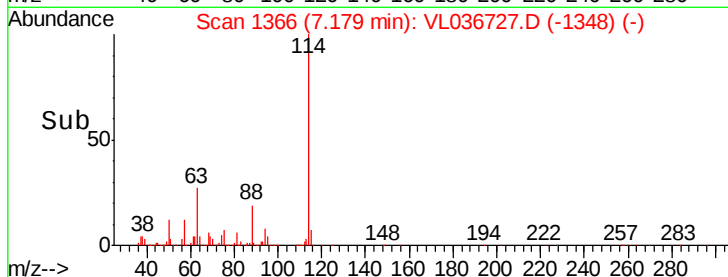
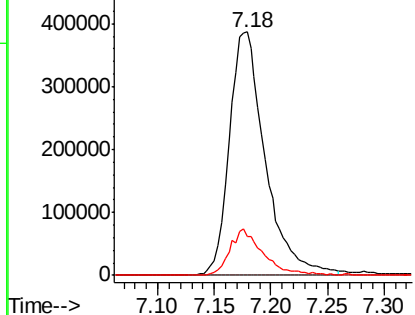


Abundance

Ion 63.10 (62.80 to 63.80): VL0

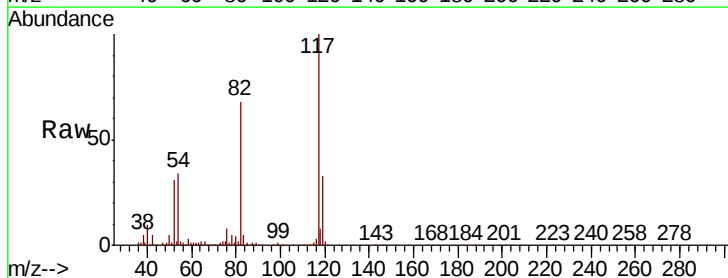
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2894
 Delta R.T. -0.00 min
 Lab File: VL036727.D
 Acq: 7 Apr 2021 14:49

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.8	57.4	86.0
119	33.5	47.4	71.0#

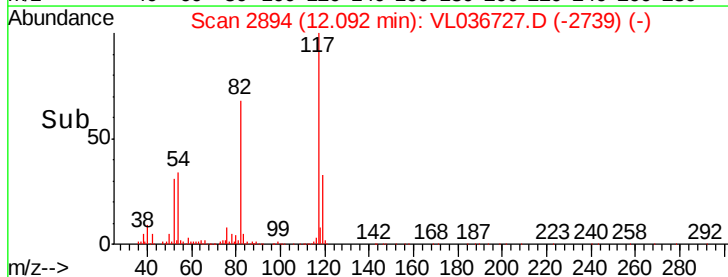
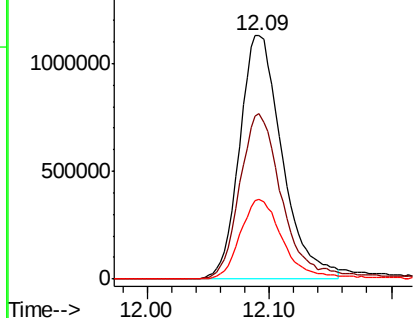


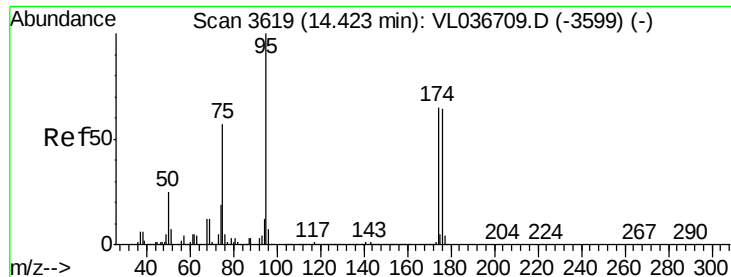
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.797 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL036727.D

Acq: 7 Apr 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABL01

Tot Ion: 95 Resp: 2123654

Ion Ratio Lower Upper

95 100

174 66.3 51.0 76.6

175 4.8 3.9 5.9

