

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040521\
 Data File : VL036692.D
 Acq On : 6 Apr 2021 3:38
 Operator : SY/AP
 Sample : M1877-08DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-5(2021)DL

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 5:14:43 PM

Quant Time: Apr 12 22:20:28 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	1271178	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3216880	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2837436	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2198672	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	18317m	0.242	ppbv	
13) Ethanol	3.61	45	152098m	16.869	ppbv	
15) Acetone	3.85	43	1626291m	12.999	ppbv	
19) Isopropyl Alcohol	3.98	45	544267	7.908	ppbv #	1
20) Methylene Chloride	4.34	84	48212	0.823	ppbv	96
43) Methyl Methacrylate	8.02	69	111707	1.121	ppbv #	78

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

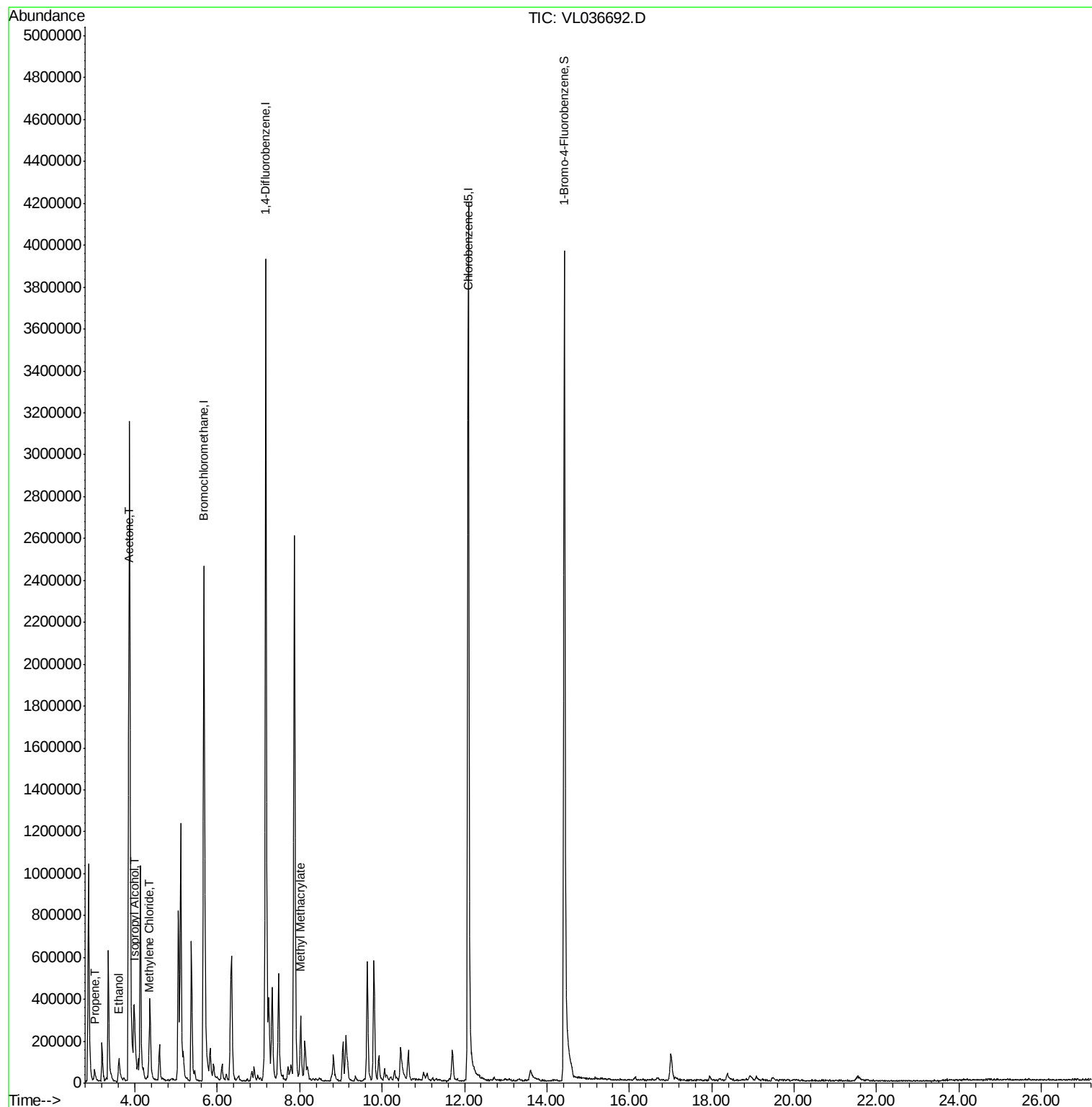
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040521\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036692.D

Acq: 6 Apr 2021 3:38

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-5(2021)DL

Tot Ion: 49 Resp: 1271178

Ion Ratio Lower Upper

49 100

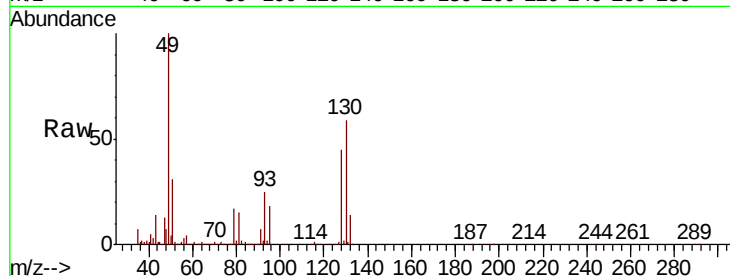
128 48.2 23.5 70.6

130 60.0 29.1 87.4

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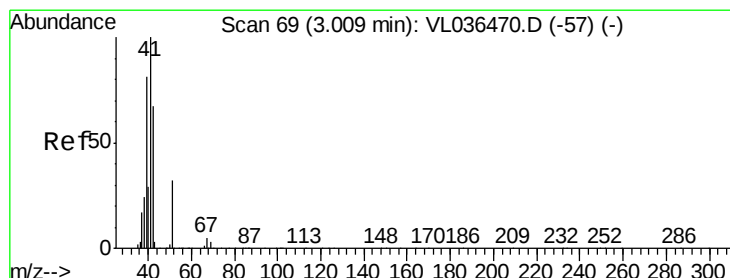
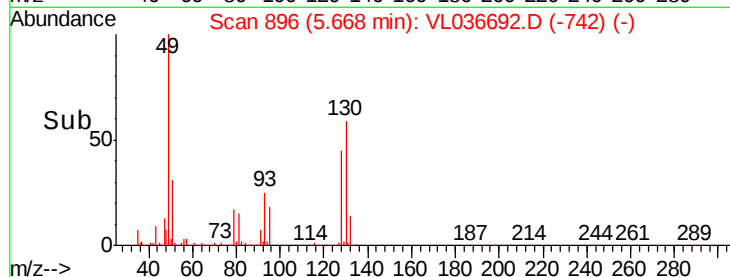
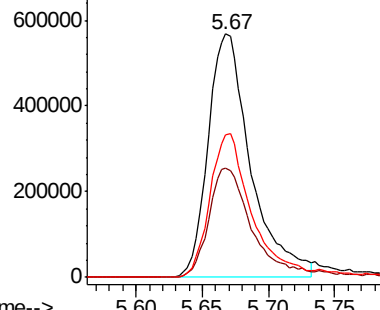
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.242 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036692.D

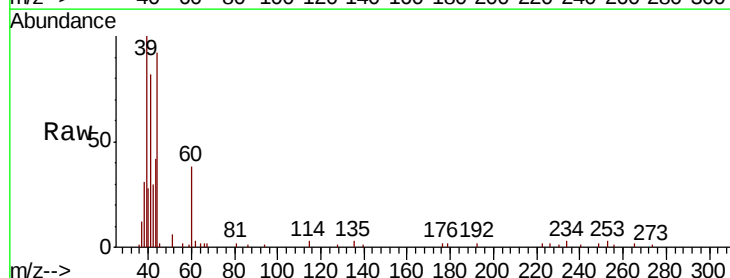
Acq: 6 Apr 2021 3:38

Tgt Ion: 41 Resp: 18317

Ion Ratio Lower Upper

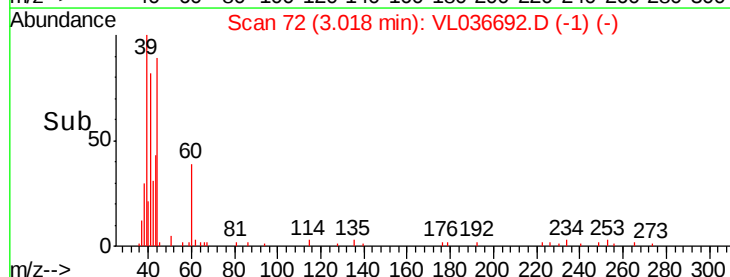
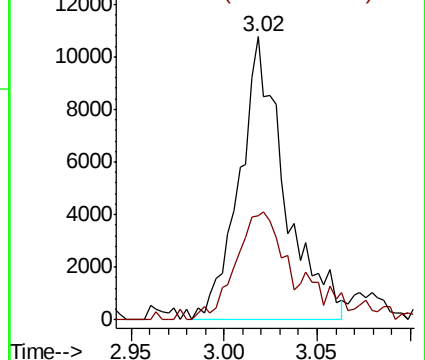
41 100

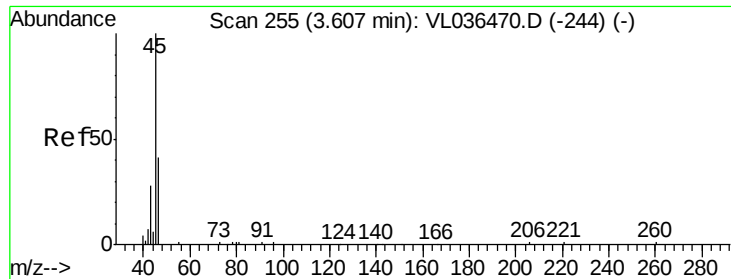
42 0.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





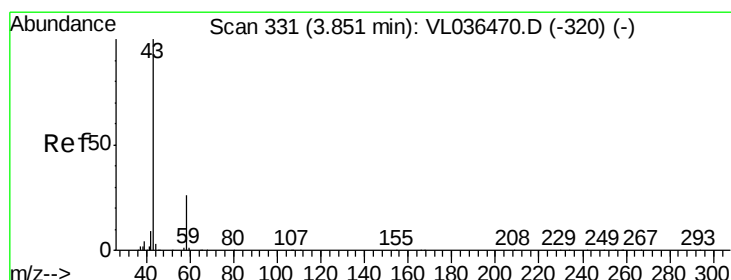
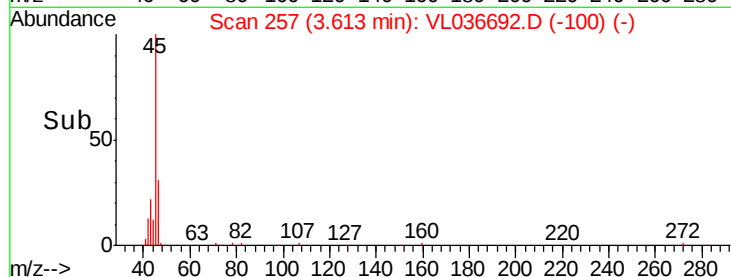
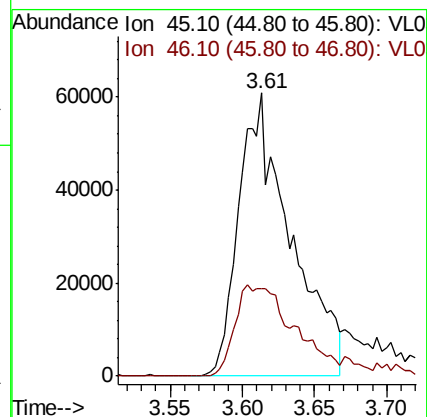
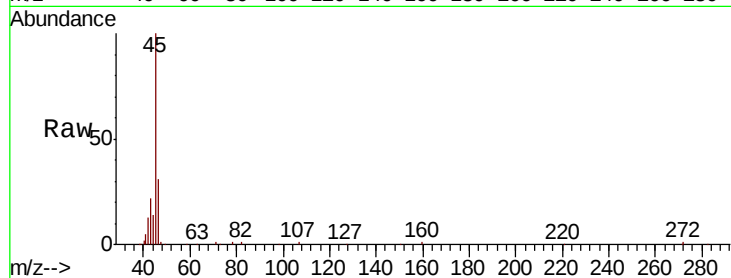
#13
Ethanol
Concen: 16.869 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL036692.D
Acq: 6 Apr 2021 3:38

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-5(2021)DL

Tot Ion	45	Resp	152098
Ion Ratio	100	Lower	Upper
46	40.6	16.6	66.2

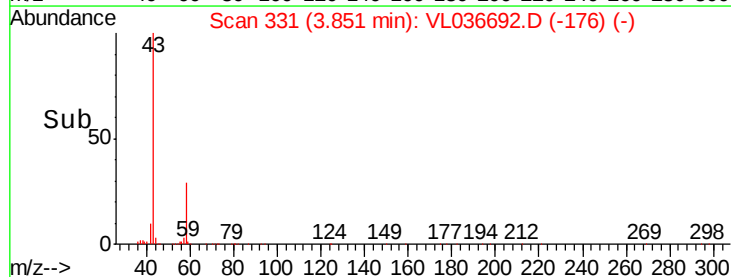
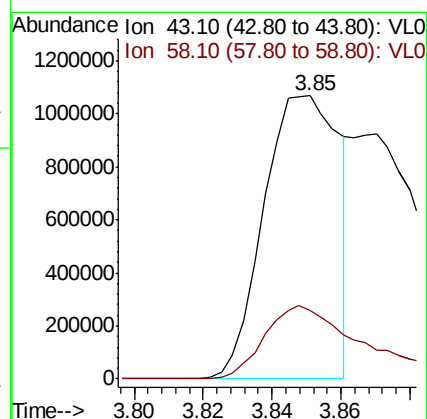
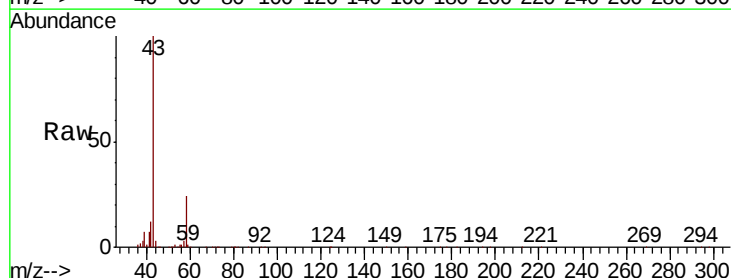
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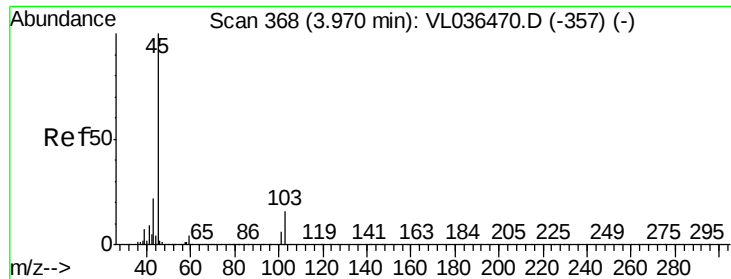
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#15
Acetone
Concen: 12.999 ppbv m
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036692.D
Acq: 6 Apr 2021 3:38

Tgt Ion	43	Resp	1626291
Ion Ratio	100	Lower	Upper
58	37.7	21.2	31.8#





#19

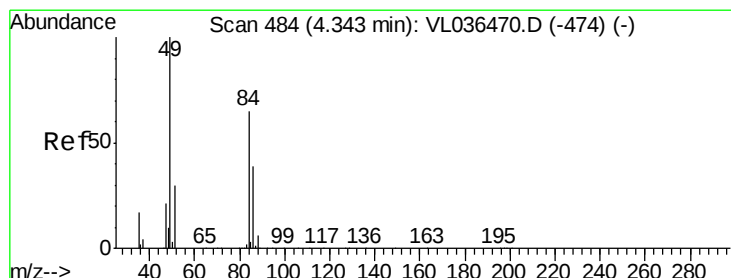
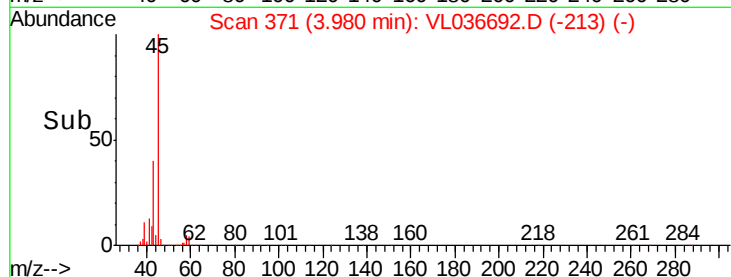
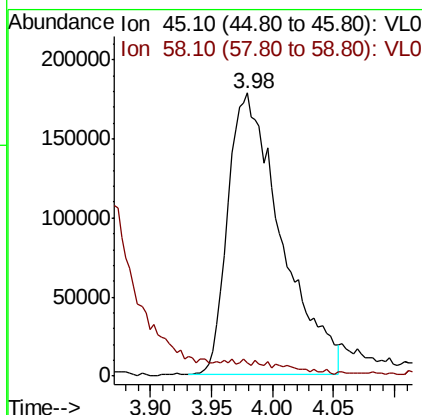
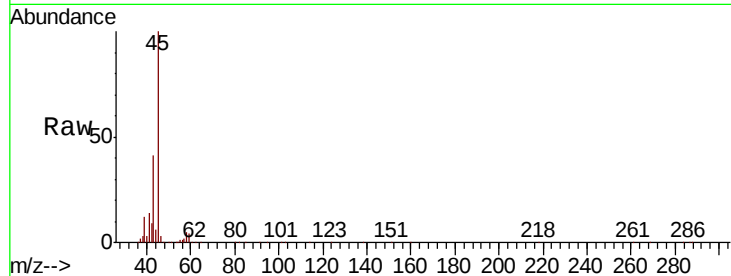
Isopropyl Alcohol
 Concen: 7.908 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VL036692.D
 Acq: 6 Apr 2021 3:38

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-5(2021)DL

Tot Ion	Ratio	Lower	Upper
45	100		
58	121.3	2.9	4.3#

Manual Integrations
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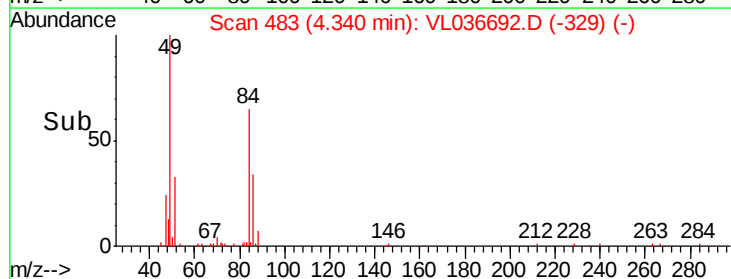
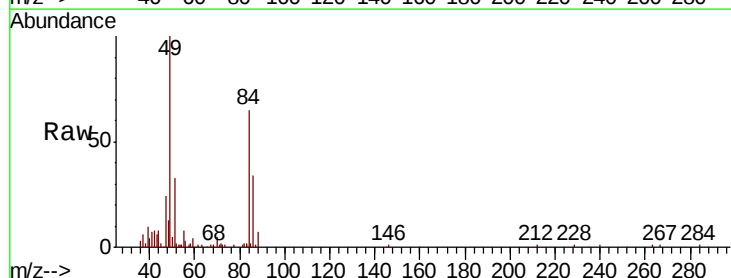
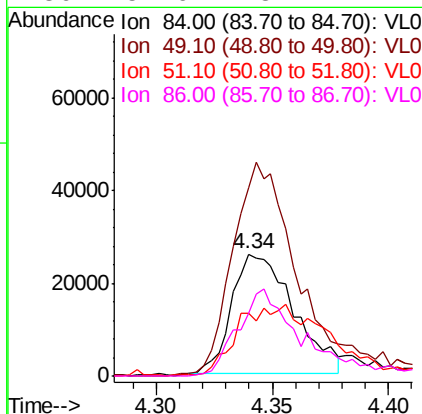
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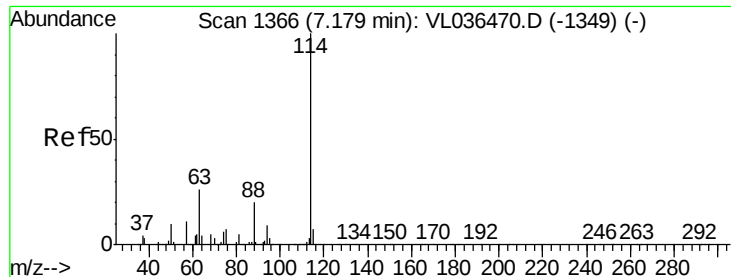


#20

Methylene Chloride
 Concen: 0.823 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VL036692.D
 Acq: 6 Apr 2021 3:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.2	122.9	184.3
51	50.6	36.9	55.3
86	52.6	48.2	72.4





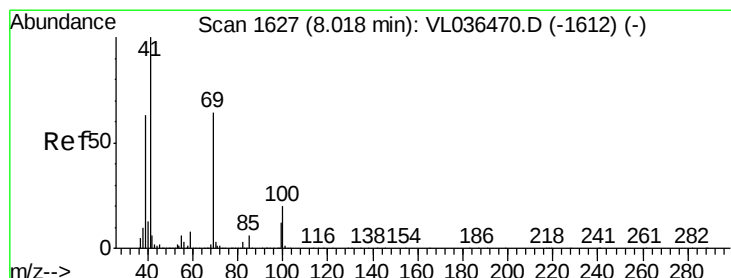
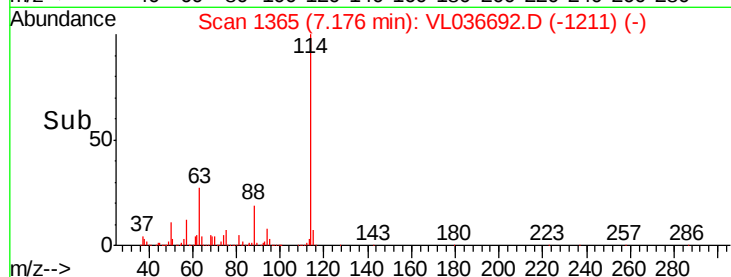
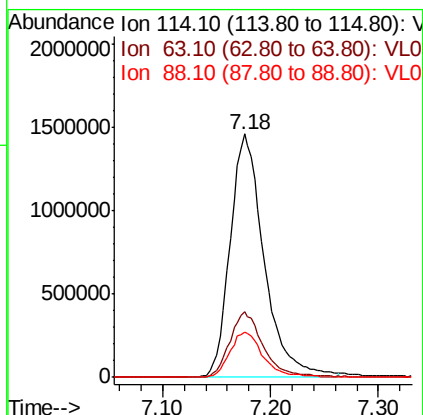
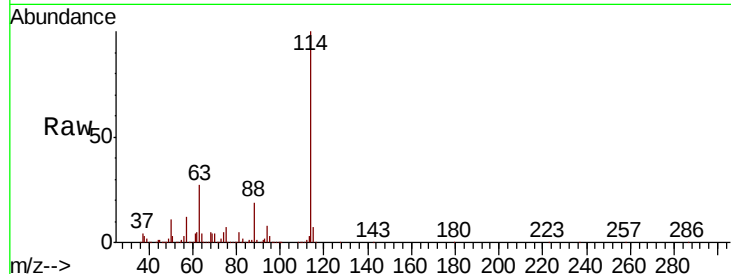
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036692.D
 Acq: 6 Apr 2021 3:38

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-5(2021)DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.4	33.6
88	18.6	15.4	23.0

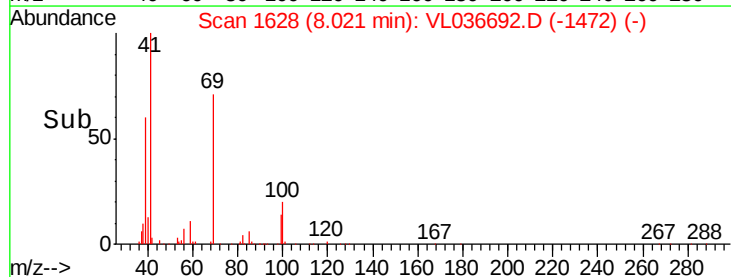
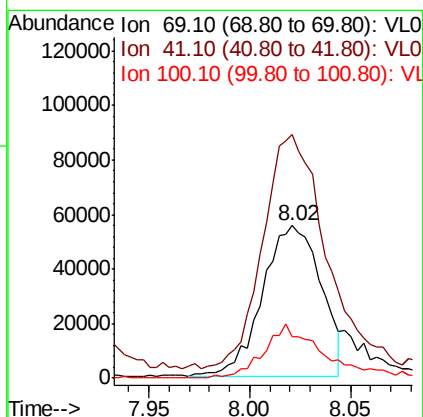
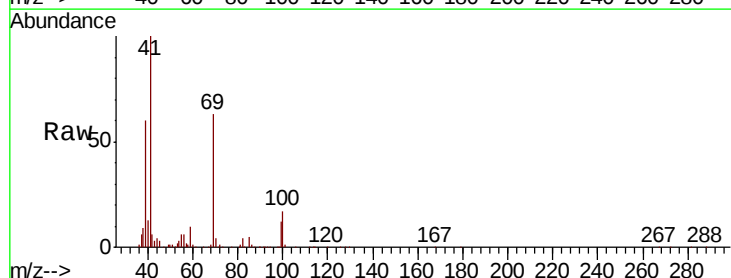
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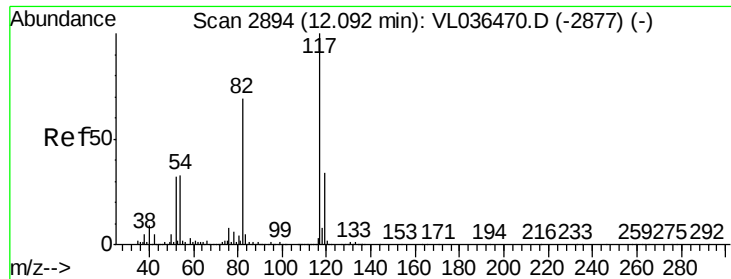
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#43
 Methyl Methacrylate
 Concen: 1.121 ppbv
 RT: 8.02 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VL036692.D
 Acq: 6 Apr 2021 3:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	190.7	126.8	190.2#
100	37.0	24.9	37.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL036692.D

Acq: 6 Apr 2021 3:38

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-5(2021)DL

Tot Ion:117 Resp: 2837436

Ion Ratio Lower Upper

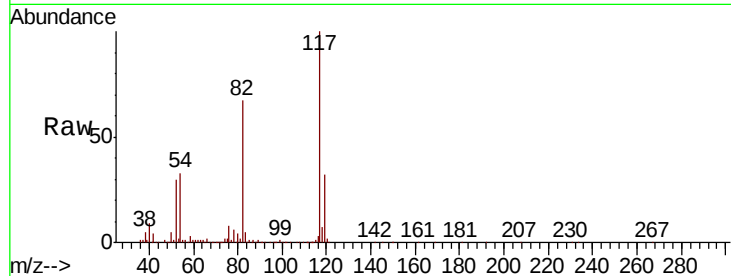
117 100

82 69.7 57.4 86.0

119 34.1 47.4 71.0#

Manual Integrations
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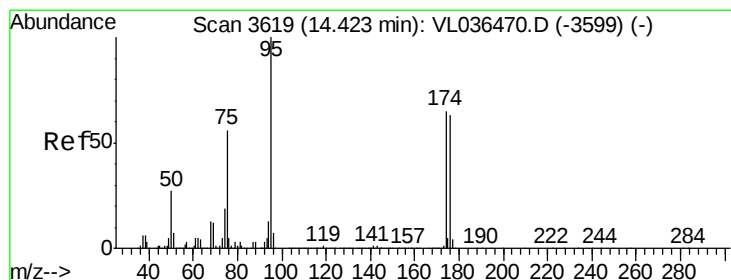
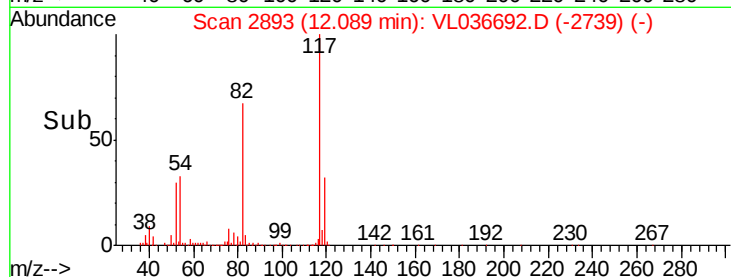
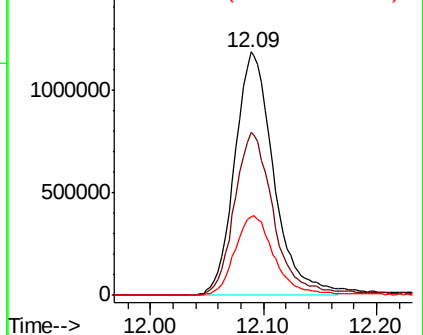
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.722 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL036692.D

Acq: 6 Apr 2021 3:38

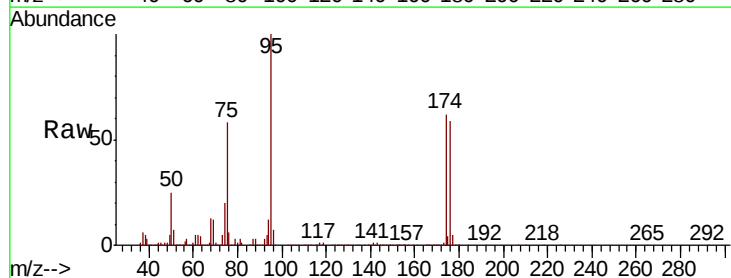
Tgt Ion: 95 Resp: 2198672

Ion Ratio Lower Upper

95 100

174 66.5 51.0 76.6

175 4.8 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

