

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036588.D
 Acq On : 31 Mar 2021 3:30
 Operator : SY/AP
 Sample : M1797-04 80X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-05(2021)

Manual Integrations
 APPROVED

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 4/1/2021 10:59:53 AM

Quant Time: Mar 31 08:13:22 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 09:42:40 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	5.65	49	1262537	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2920739	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2638983	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1980757	9.42	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	10129m	0.135	ppbv	
13) Ethanol	3.60	45	53032m	5.922	ppbv	
15) Acetone	3.85	43	164841	1.327	ppbv	# 76
20) Methylene Chloride	4.33	84	36194m	0.622	ppbv	
26) Hexane	5.68	57	31770m	0.232	ppbv	
34) 2-Butanone	5.24	43	17520m	0.123	ppbv	

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

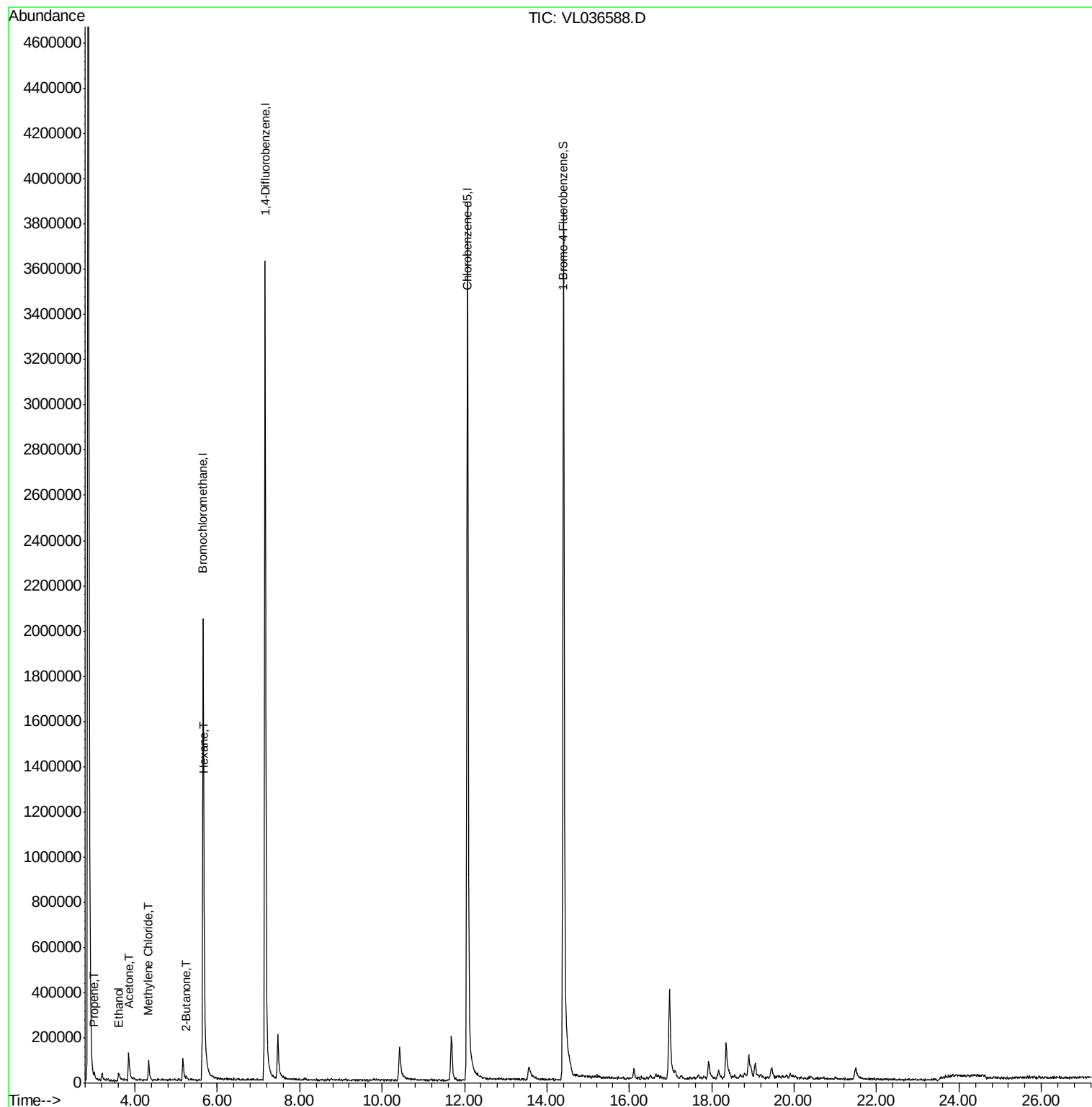
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033021\
Data File : VL036588.D
Acq On : 31 Mar 2021 3:30
Operator : SY/AP
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ALS Vial : 1 Sample Multiplier: 1

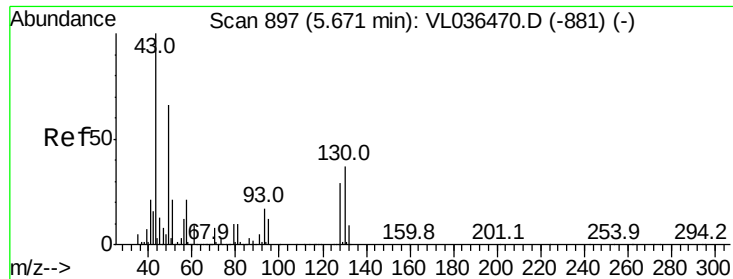
Instrument :
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Quant Time: Mar 31 08:13:22 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036588.D

Acq: 31 Mar 2021 3:30

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-05(2021)

Tot Ion: 49 Resp: 1262537

Ion Ratio Lower Upper

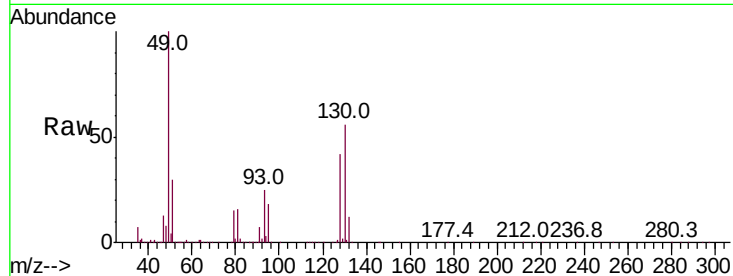
49 100

128 46.0 23.5 70.6

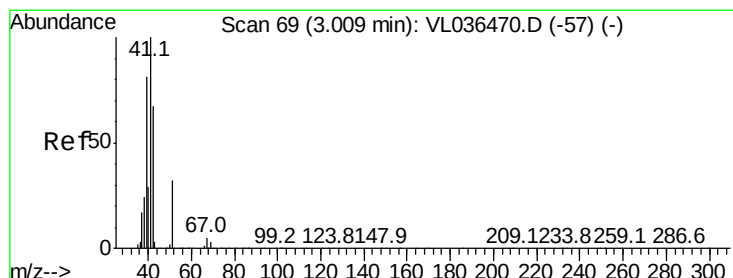
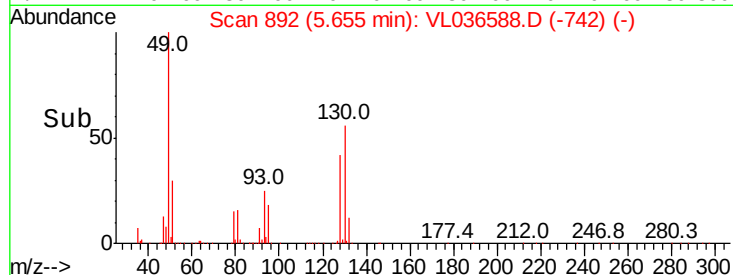
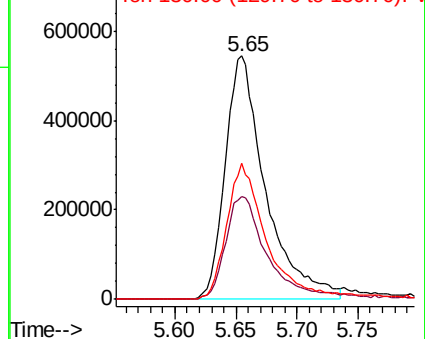
130 56.1 29.1 87.4

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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



#9

Propene

Concen: 0.135 ppbv m

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036588.D

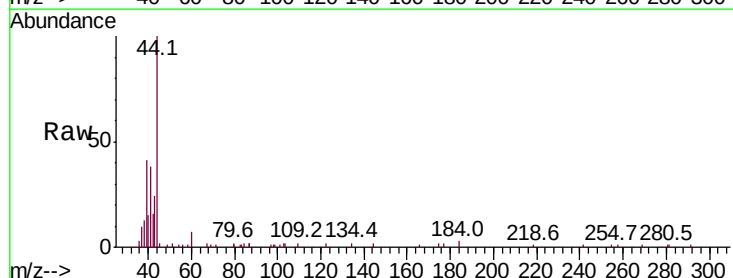
Acq: 31 Mar 2021 3:30

Tgt Ion: 41 Resp: 10129

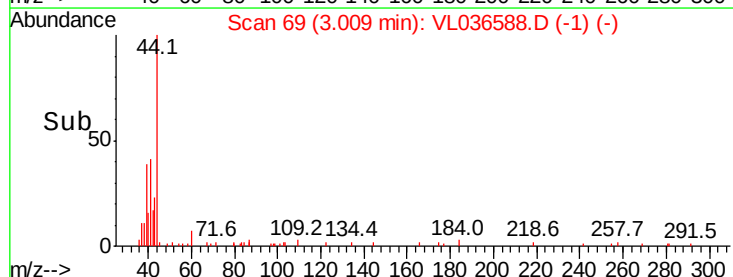
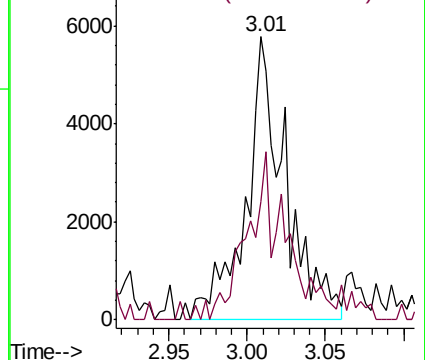
Ion Ratio Lower Upper

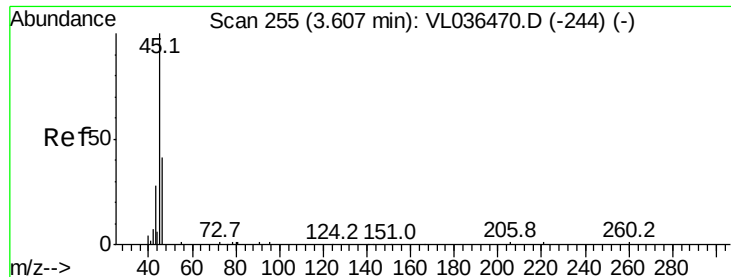
41 100

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





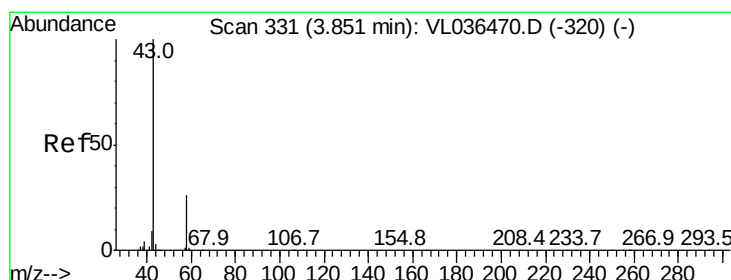
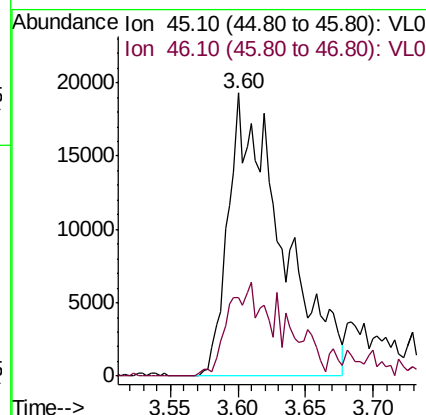
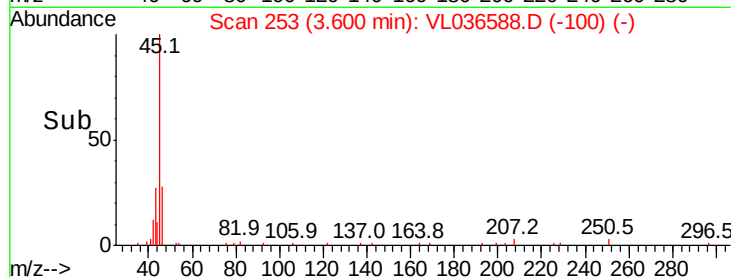
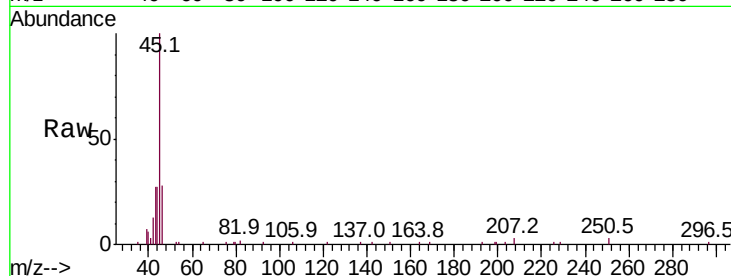
#13
Ethanol
Concen: 5.922 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

Tot Ion: 45 Resp: 53032
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#

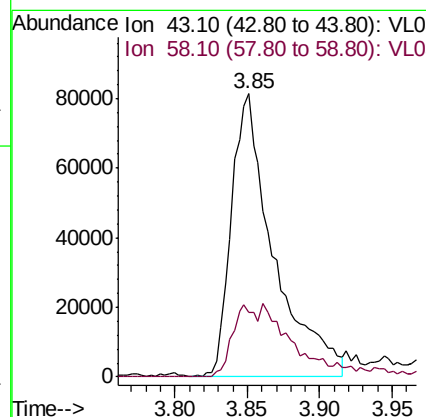
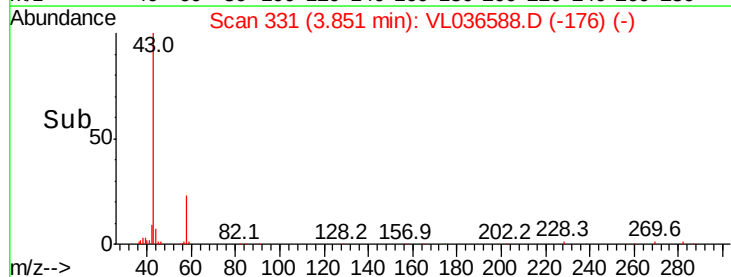
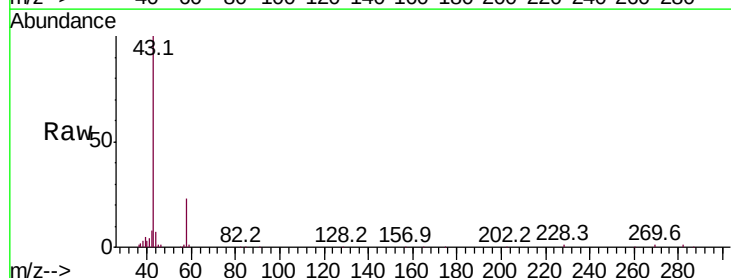
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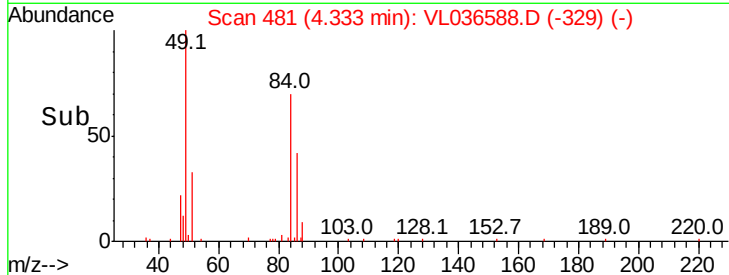
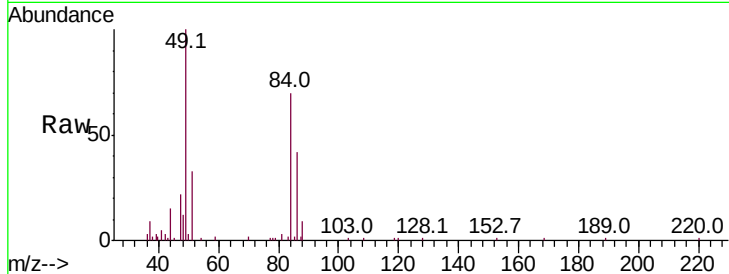
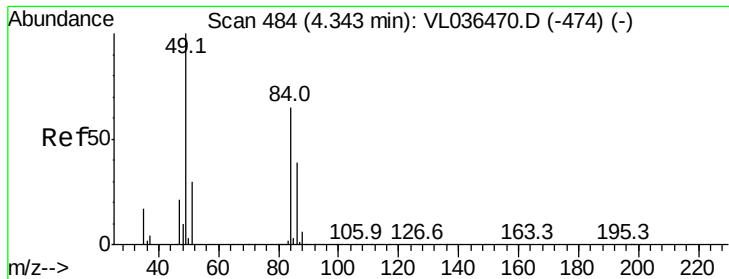
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#15
Acetone
Concen: 1.327 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

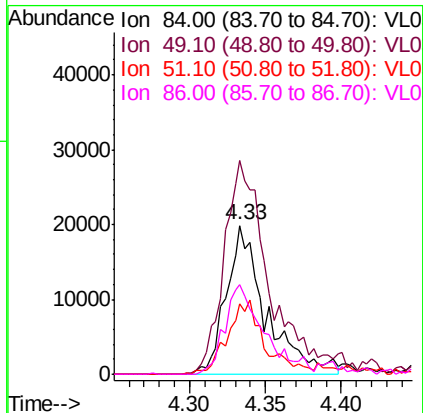
Tgt Ion: 43 Resp: 164841
Ion Ratio Lower Upper
43 100
58 38.8 21.2 31.8#





#20
Methylene Chloride
Concen: 0.622 ppbv m
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

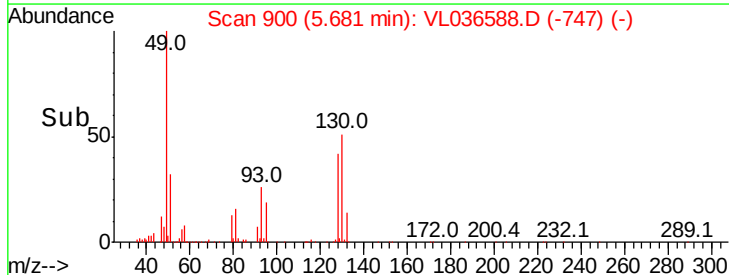
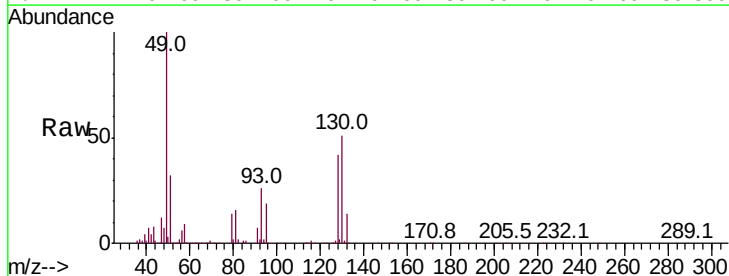
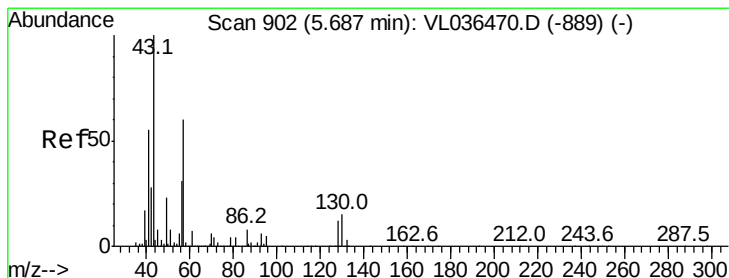
Tot Ion	84	Resp	36194
Ion	Ratio	Lower	Upper
84	100		
49	143.8	122.9	184.3
51	47.8	36.9	55.3
86	60.3	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

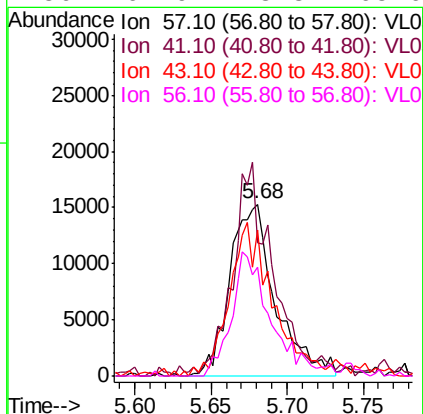
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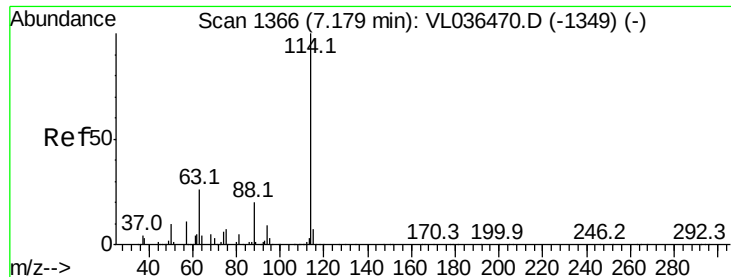
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#26
Hexane
Concen: 0.232 ppbv m
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

Tgt Ion	57	Resp	31770
Ion	Ratio	Lower	Upper
57	100		
41	116.4	77.2	115.8#
43	91.7	173.8	260.6#
56	62.9	43.8	65.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VL036588.D

Acq: 31 Mar 2021 3:30

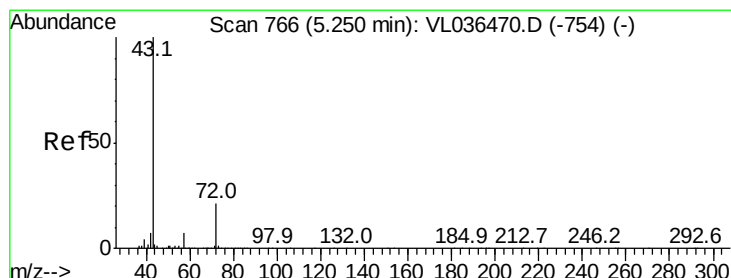
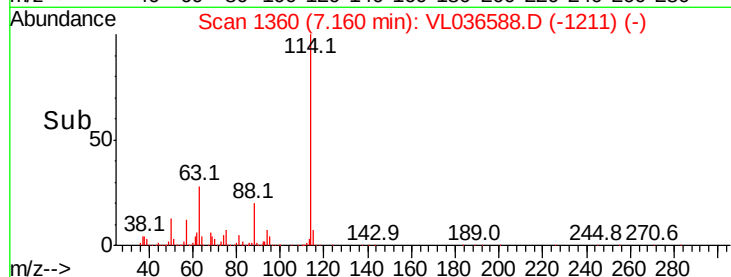
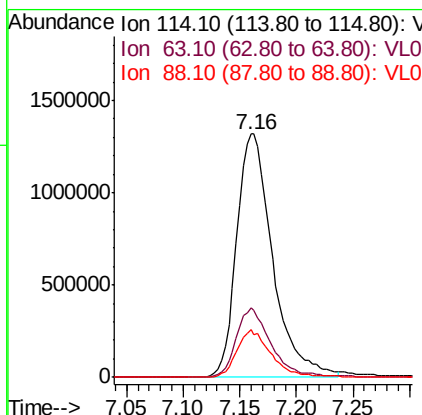
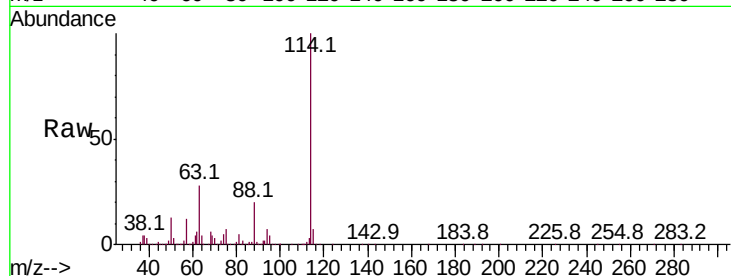
Instrument :
MSVOA_L

ClientSampleId :
MF-SG-05(2021)

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	19.1	15.4	23.0

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#34

2-Butanone

Concen: 0.123 ppbv m

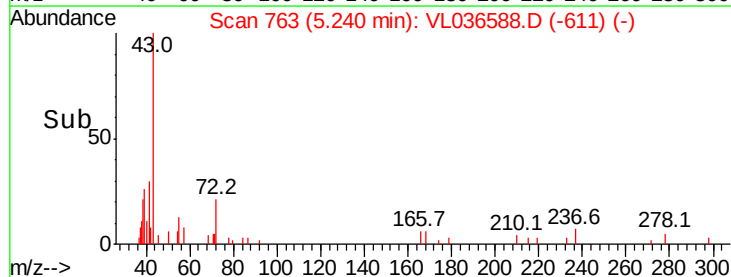
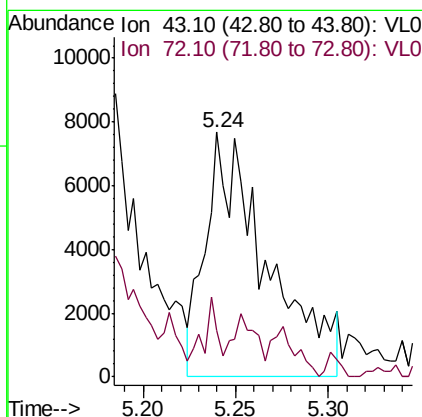
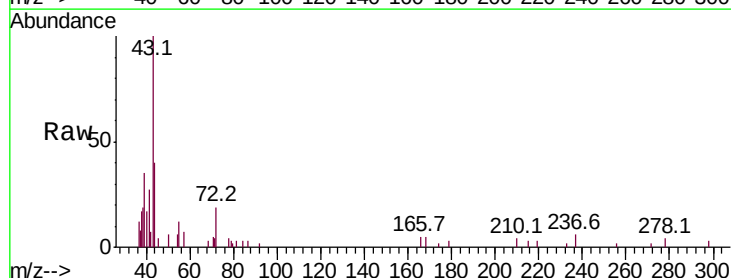
RT: 5.24 min Scan# 763

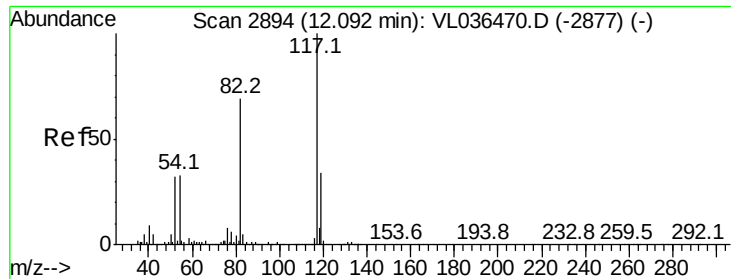
Delta R.T. -0.01 min

Lab File: VL036588.D

Acq: 31 Mar 2021 3:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.1	17.0	25.6#





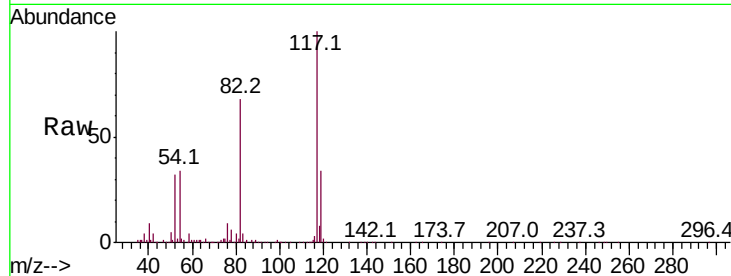
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.02 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-05(2021)

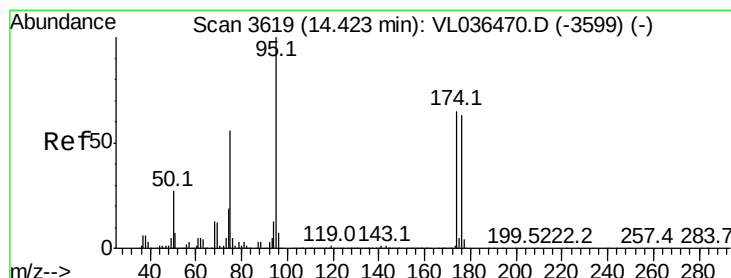
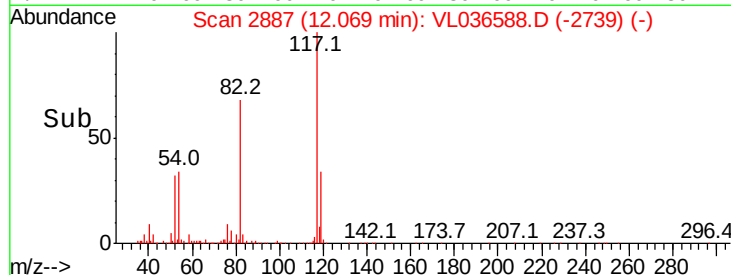
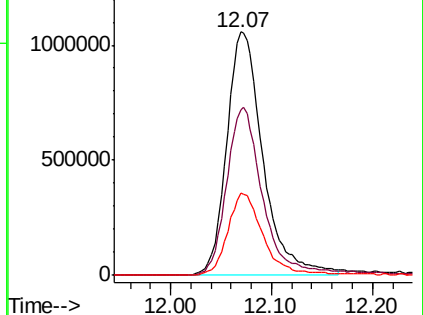
Tot Ion:117 Resp: 2638983
Ion Ratio Lower Upper
117 100
82 70.6 57.4 86.0
119 34.7 47.4 71.0#

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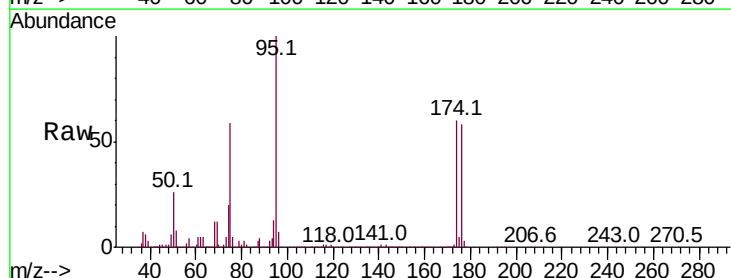


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.417 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.02 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

Tgt Ion: 95 Resp: 1980757
Ion Ratio Lower Upper
95 100
174 67.6 51.0 76.6
175 5.0 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

