

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036149.D
 Acq On : 11 Dec 2020 4:47
 Operator : SY/AP
 Sample : L5005-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 48-2DL

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 4:51:58 PM

Quant Time: Dec 14 22:38:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1306795	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2629913	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2386693	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2064136	10.89	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	54557m	0.730	ppbv	
13) Ethanol	3.59	45	662598m	64.352	ppbv	
15) Acetone	3.84	43	213730	1.361	ppbv	96
20) Methylene Chloride	4.32	84	129265m	2.008	ppbv	

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

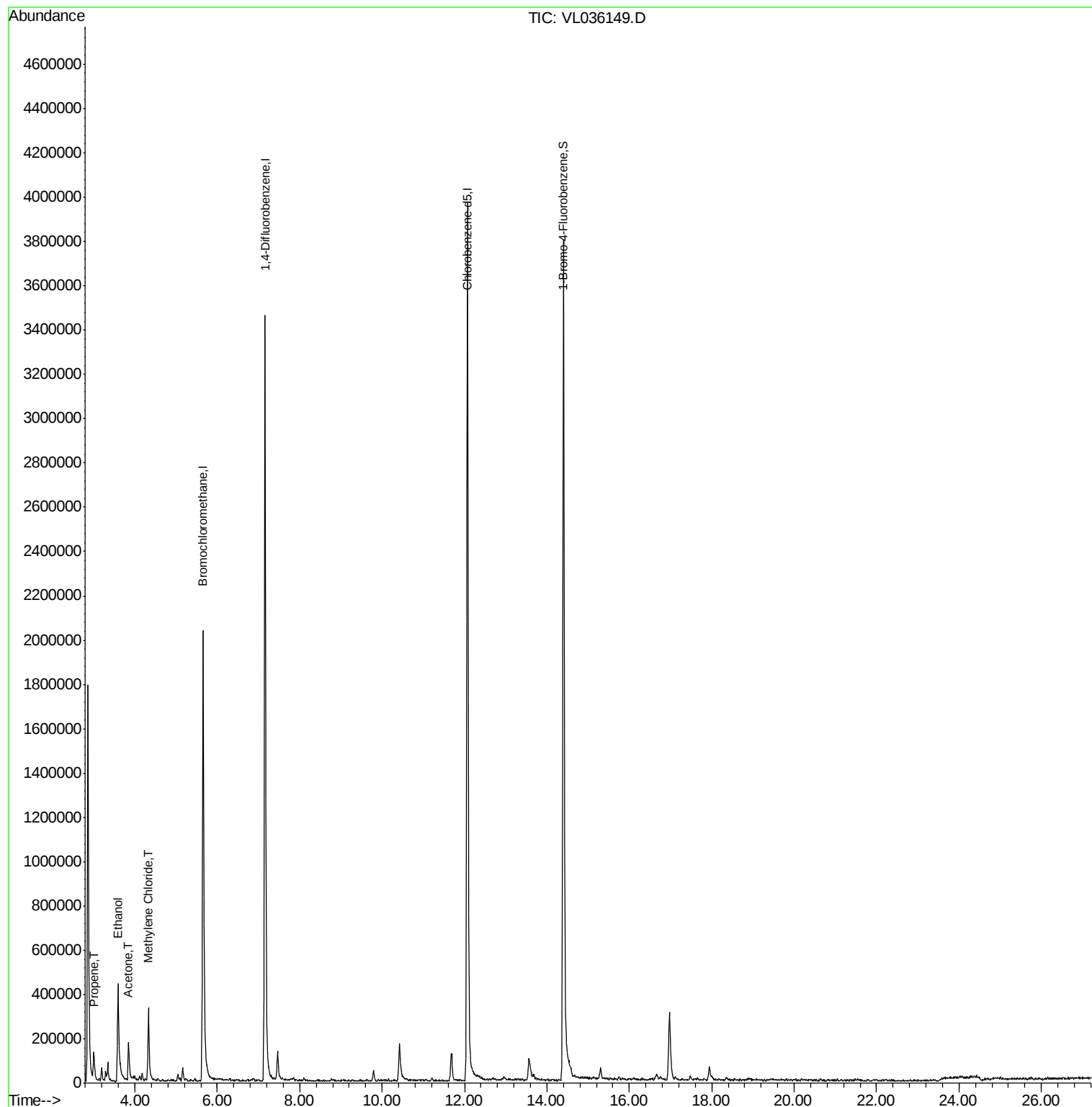
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121020\
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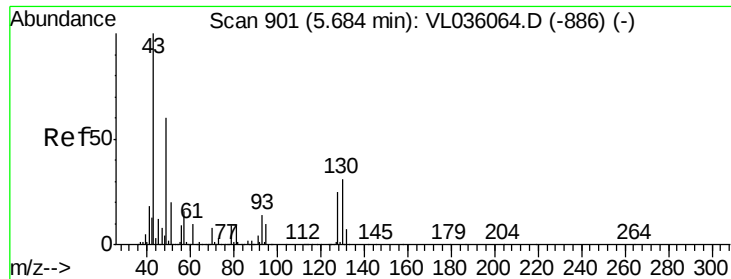
Instrument :
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Quant Time: Dec 14 22:38:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036149.D

Acq: 11 Dec 2020 4:47

Instrument :

MSVOA_L

ClientSampleId :

48-2DL

Tot Ion: 49 Resp: 1306795

Ion Ratio Lower Upper

49 100

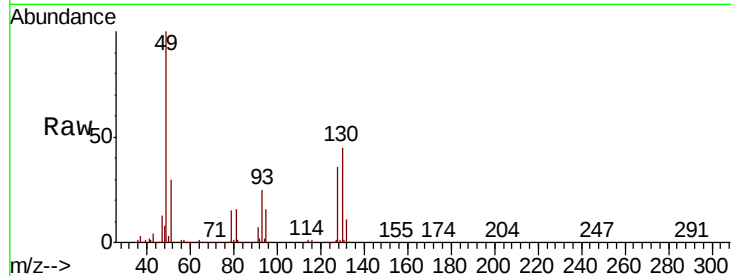
128 36.2 21.1 63.1

130 46.0 27.1 81.3

Manual Integrations
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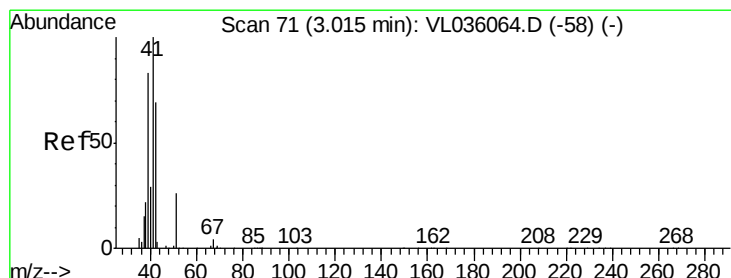
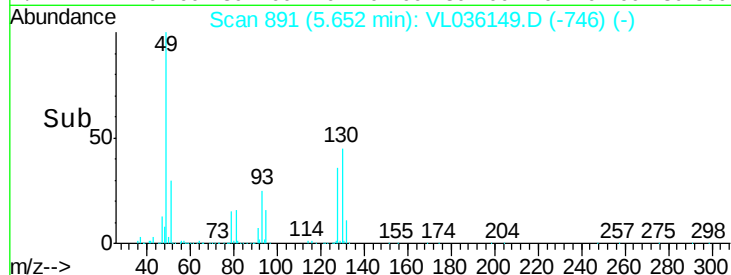
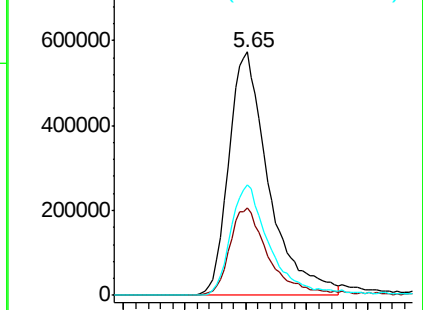
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.730 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL036149.D

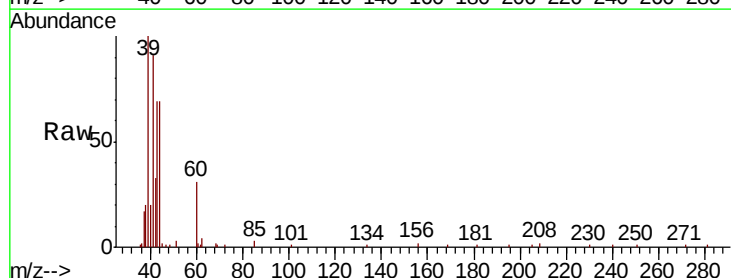
Acq: 11 Dec 2020 4:47

Tgt Ion: 41 Resp: 54557

Ion Ratio Lower Upper

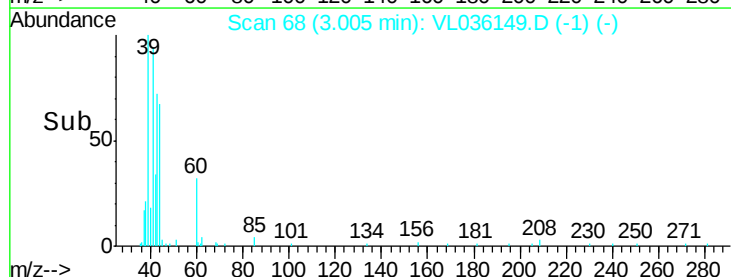
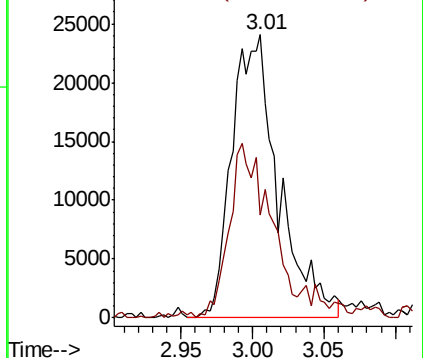
41 100

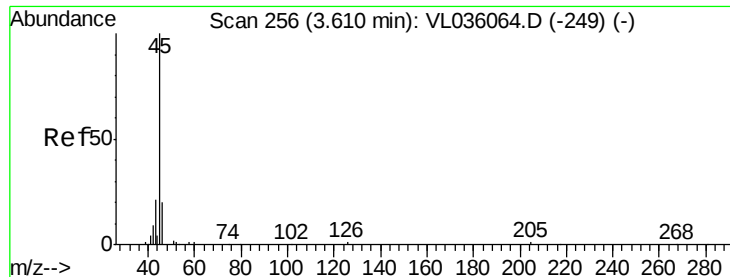
42 61.7 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





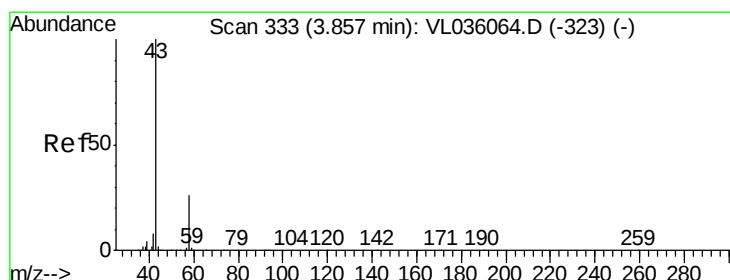
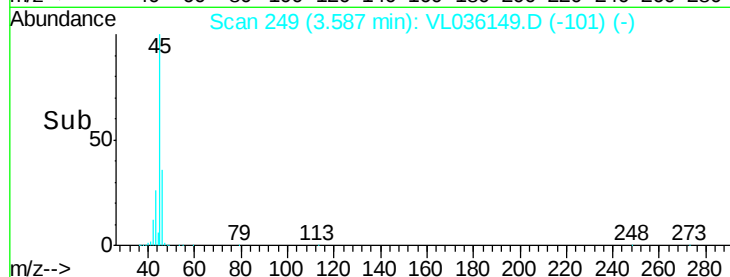
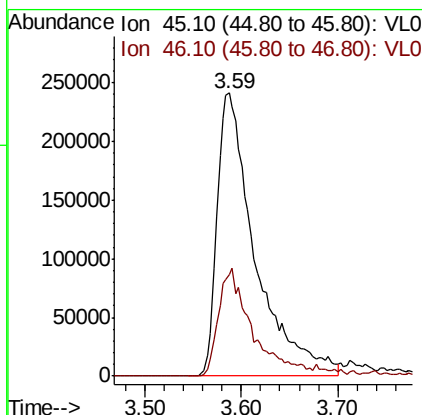
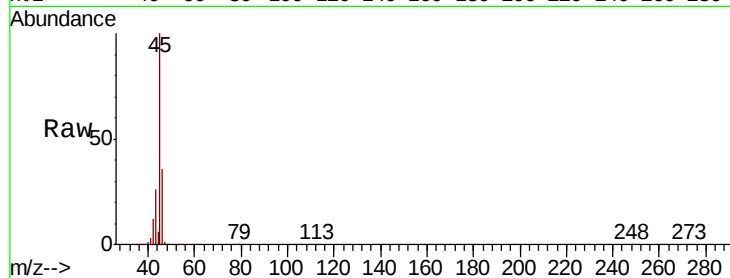
#13
Ethanol
Concen: 64.352 ppbv m
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL036149.D
Acq: 11 Dec 2020 4:47

Instrument :
MSVOA_L
ClientSampleId :
48-2DL

Tot Ion	45	46	Ratio	Lower	Upper
Resp	662598				
Ion	100	35.4		19.0	75.8

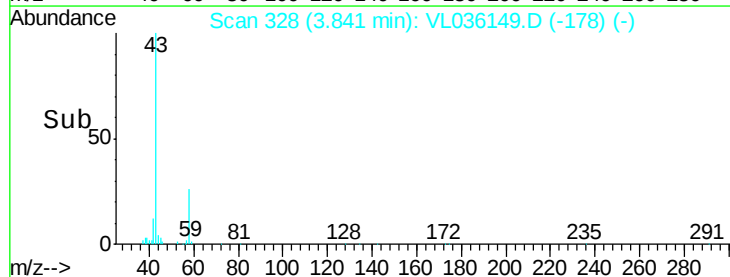
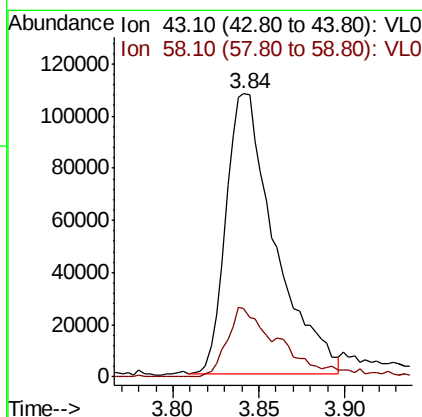
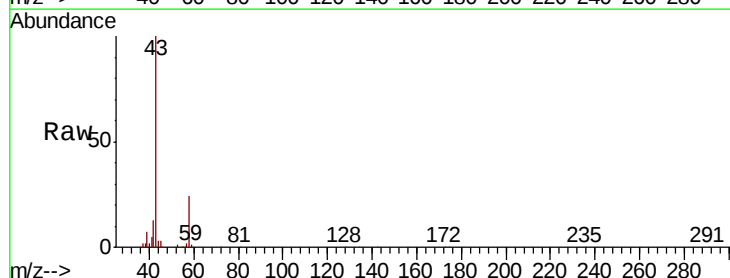
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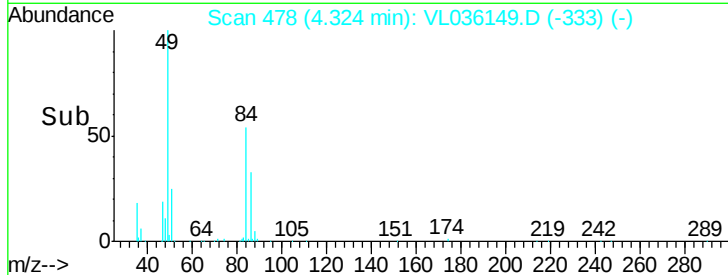
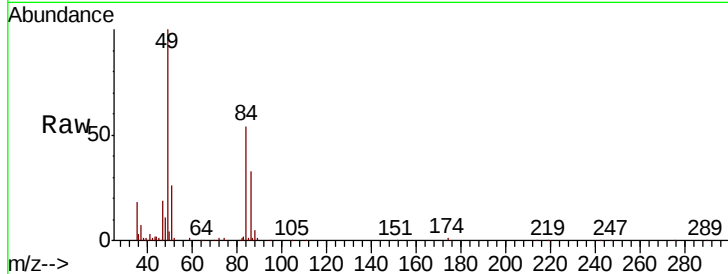
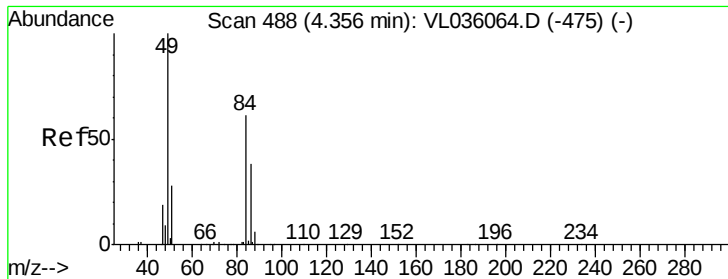
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#15
Acetone
Concen: 1.361 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.02 min
Lab File: VL036149.D
Acq: 11 Dec 2020 4:47

Tgt Ion	43	58	Ratio	Lower	Upper
Resp	213730				
Ion	100	28.3		20.9	31.3





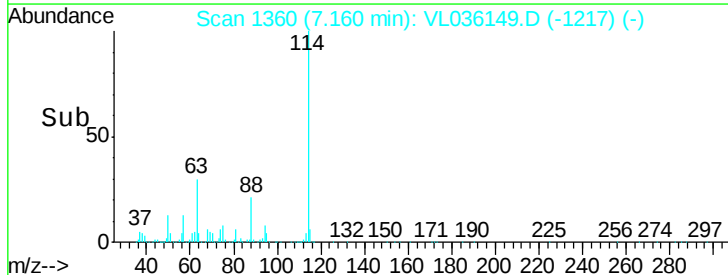
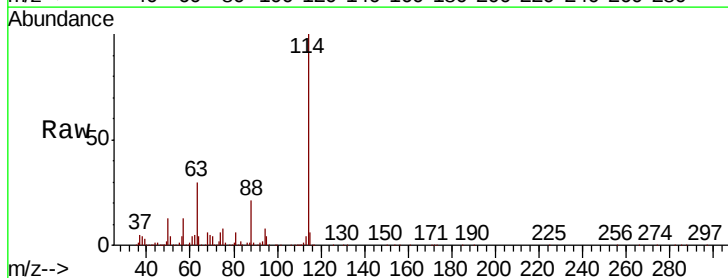
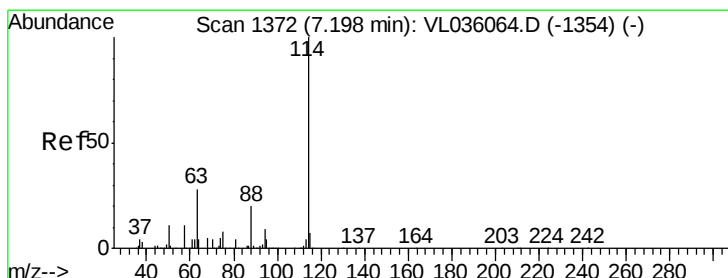
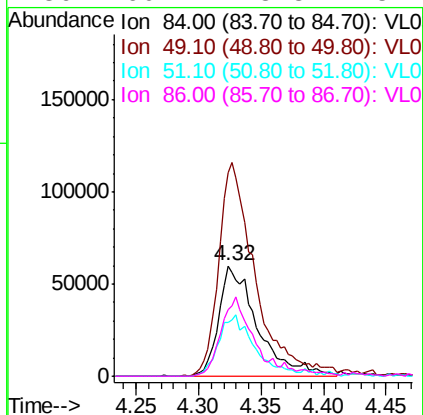
#20
Methvlene Chloride
Concen: 2.008 ppbv m
RT: 4.32 min Scan# 478
Delta R.T. -0.03 min
Lab File: VL036149.D
Acq: 11 Dec 2020 4:47

Tot Ion	84	Resp	129265
Ion Ratio	Lower	Upper	
84	100		
49	184.3	133.0	199.4
51	48.2	38.9	58.3
86	60.7	48.8	73.2

Instrument :
MSVOA_L
ClientSampleId :
48-2DL

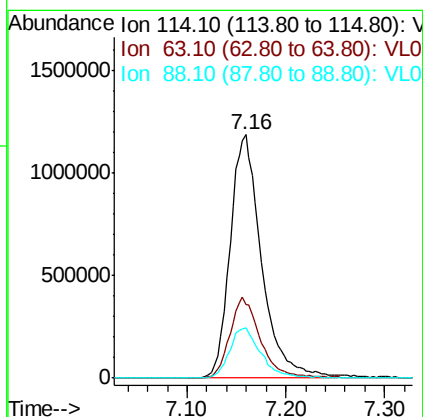
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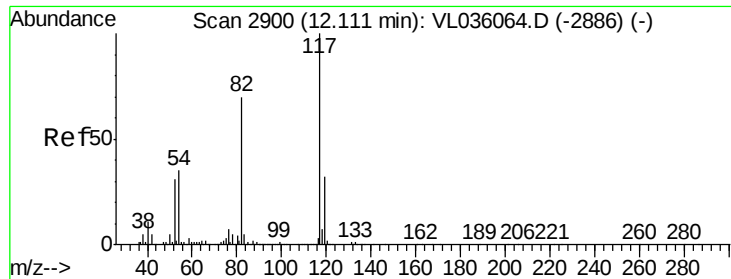
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.04 min
Lab File: VL036149.D
Acq: 11 Dec 2020 4:47

Tgt Ion	114	Resp	2629913
Ion Ratio	Lower	Upper	
114	100		
63	32.5	23.6	35.4
88	21.0	15.8	23.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.04 min

Lab File: VL036149.D

Acq: 11 Dec 2020 4:47

Instrument :

MSVOA_L

ClientSampleId :

48-2DL

Tot Ion:117 Resp: 2386693

Ion Ratio Lower Upper

117 100

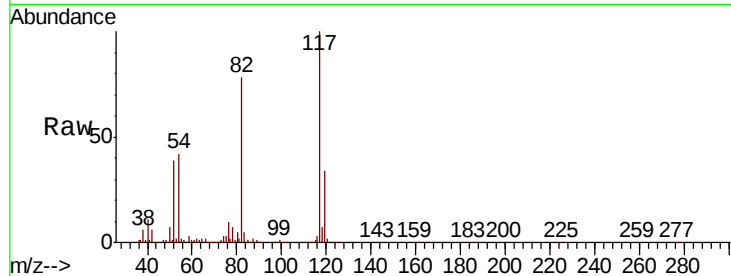
82 78.8 0.0 0.0#

119 32.5 0.0 0.0#

Manual Integrations
APPROVED

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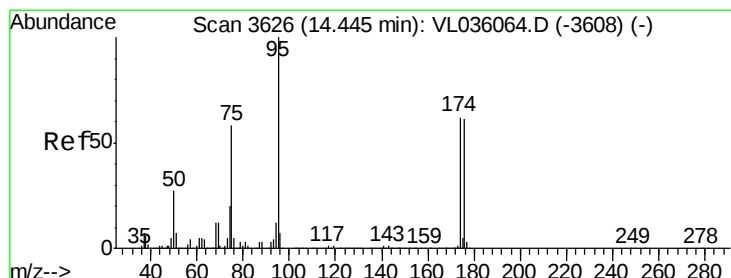
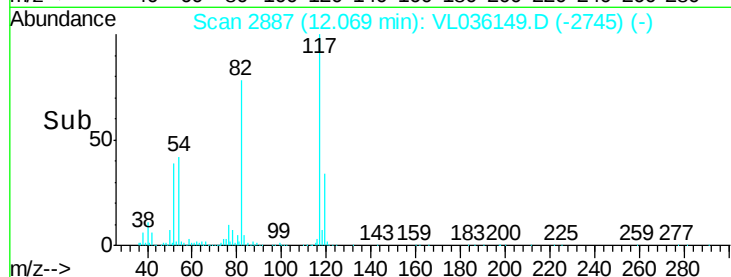
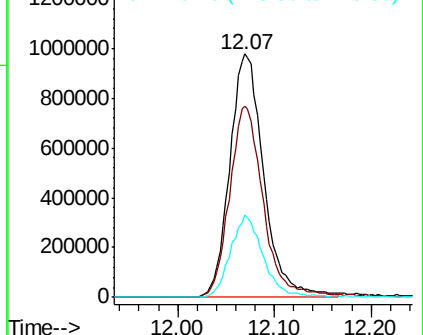
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.892 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.04 min

Lab File: VL036149.D

Acq: 11 Dec 2020 4:47

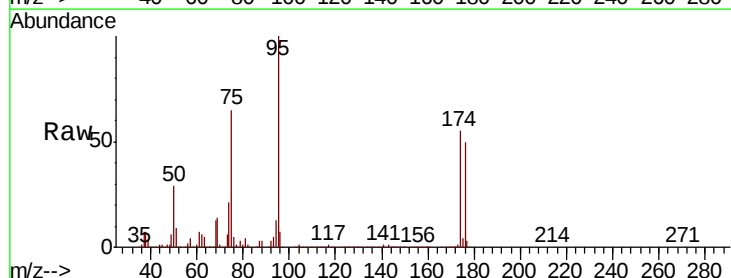
Tgt Ion: 95 Resp: 2064136

Ion Ratio Lower Upper

95 100

174 54.3 50.7 76.1

175 3.9 4.0 6.0#



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

