

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037117.D
 Acq On : 3 Jun 2021 1:31
 Operator : SY/AP
 Sample : M2548-15DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SGS-6ADL

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 3:01:24 PM

Quant Time: Jun 06 20:30:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1394862	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4067216	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3649850	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2660277	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	33709m	2.761	ppbv	
15) Acetone	3.86	43	173193	1.212	ppbv #	77
19) Isopropyl Alcohol	3.99	45	117408	1.529	ppbv #	43
34) 2-Butanone	5.27	43	24297m	0.164	ppbv	
38) Trichloroethene	7.82	130	38436m	0.256	ppbv	
52) Tetrachloroethene	11.20	164	4517m	0.032	ppbv	

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

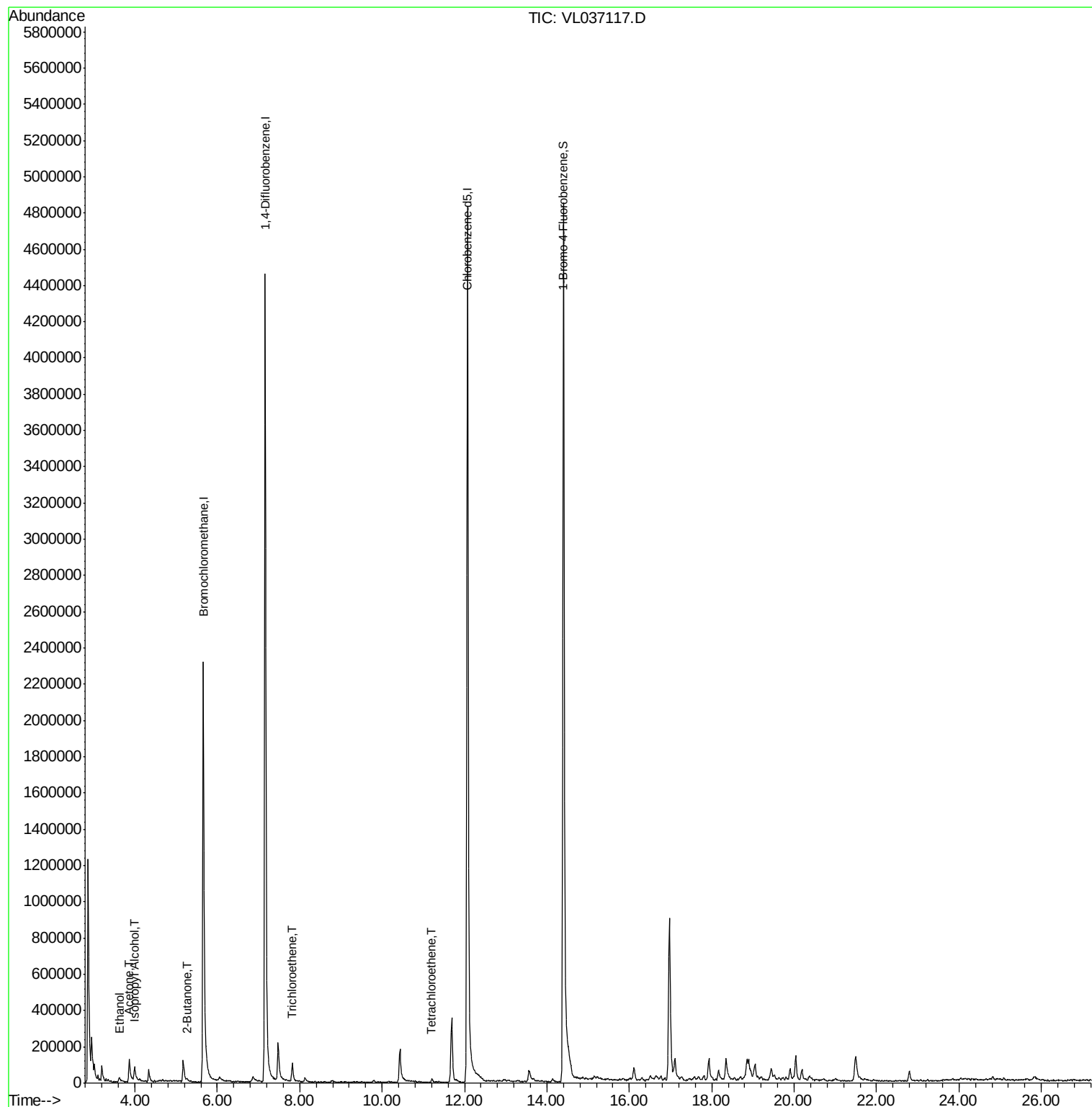
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060221\
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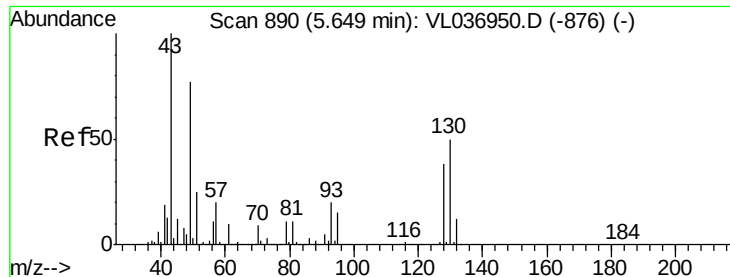
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL037117.D

Acq: 3 Jun 2021 1:31

Instrument :

MSVOA_L

ClientSampleId :

SGS-6ADL

Tot Ion: 49 Resp: 1394862

Ion Ratio Lower Upper

49 100

128 55.7 26.9 80.7

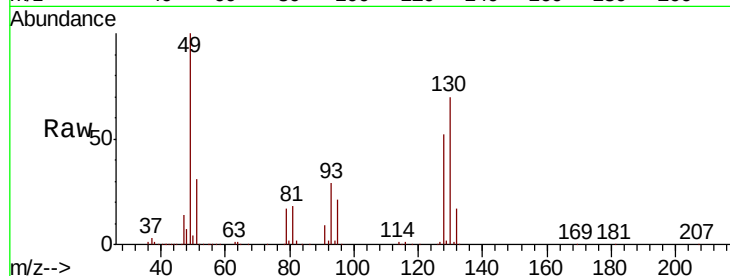
130 71.9 33.8 101.4

Manual Integrations

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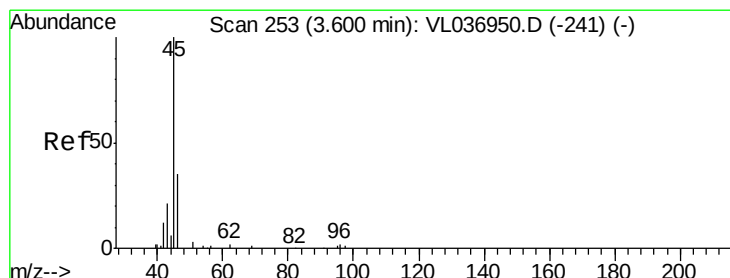
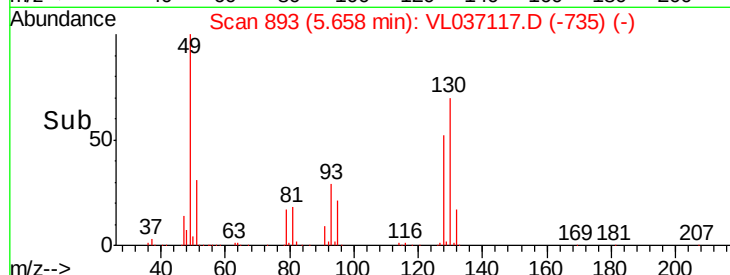
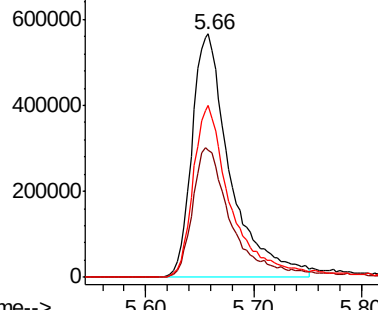
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 2.761 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL037117.D

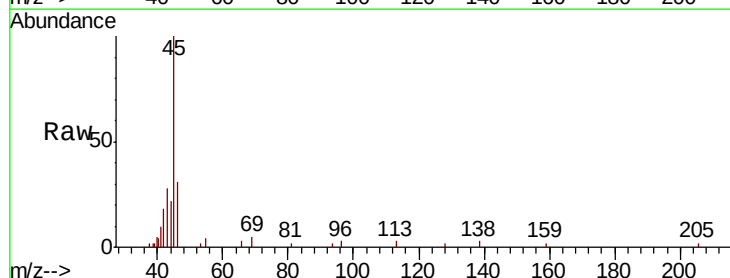
Acq: 3 Jun 2021 1:31

Tgt Ion: 45 Resp: 33709

Ion Ratio Lower Upper

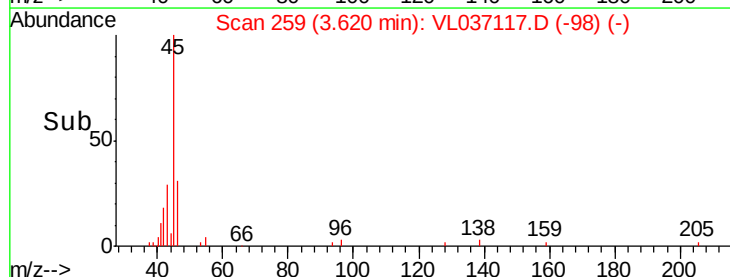
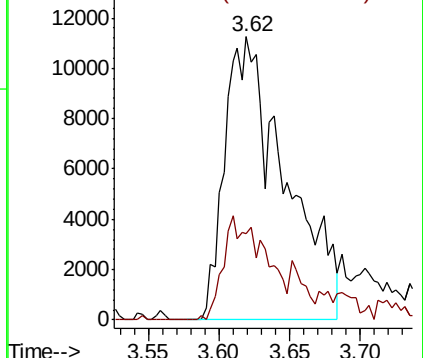
45 100

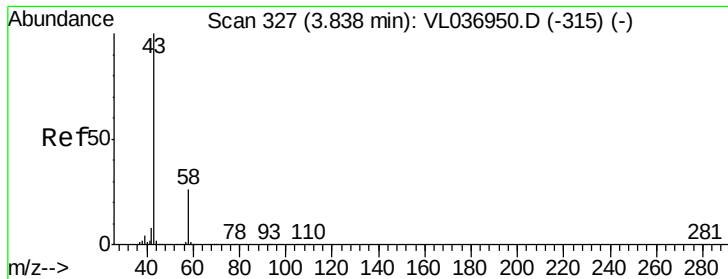
46 35.7 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.212 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL037117.D

Acq: 3 Jun 2021 1:31

Instrument :

MSVOA_L

ClientSampled :

SGS-6ADL

Tot Ion: 43 Resp: 173193

Ion Ratio Lower Upper

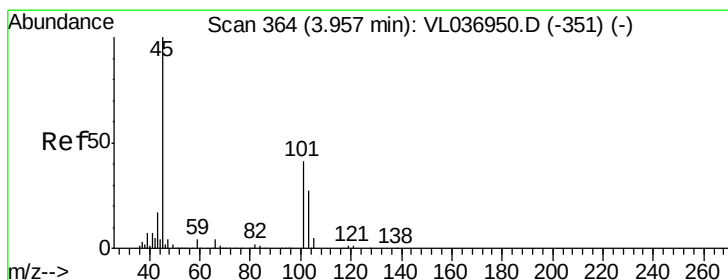
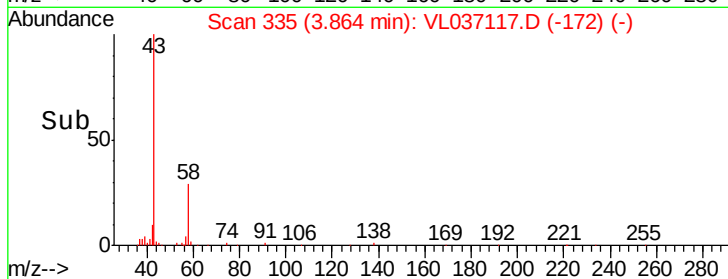
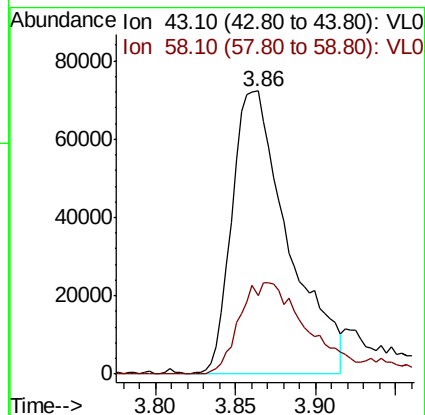
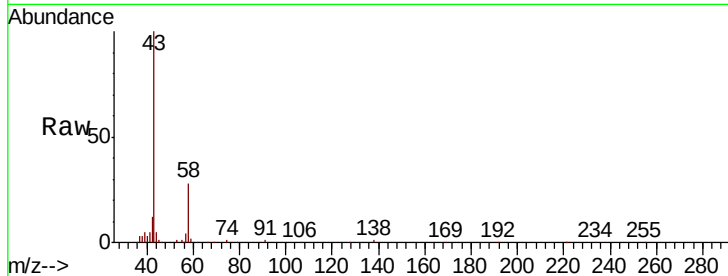
43 100

58 42.2 24.0 36.0#

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#19

Isopropyl Alcohol

Concen: 1.529 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.03 min

Lab File: VL037117.D

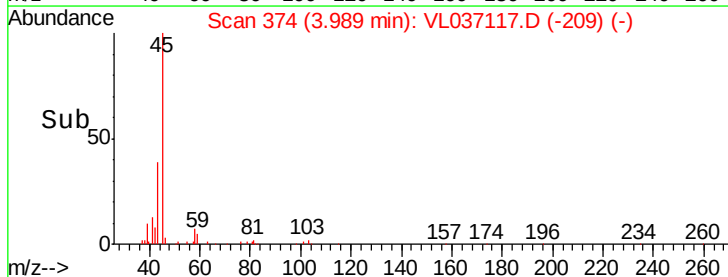
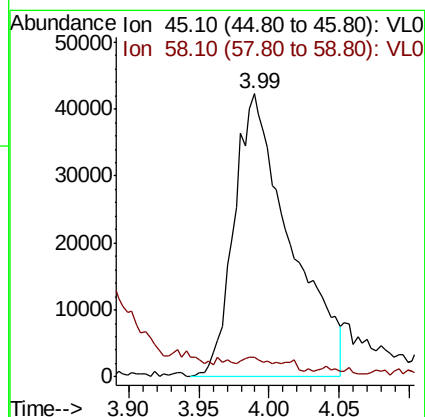
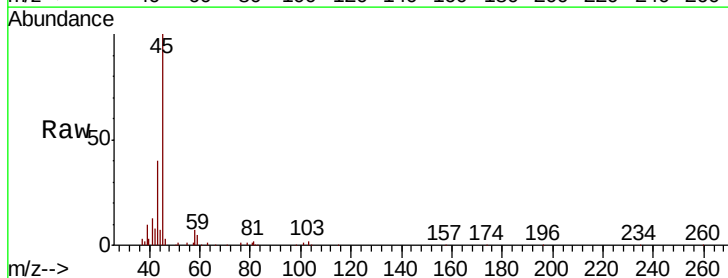
Acq: 3 Jun 2021 1:31

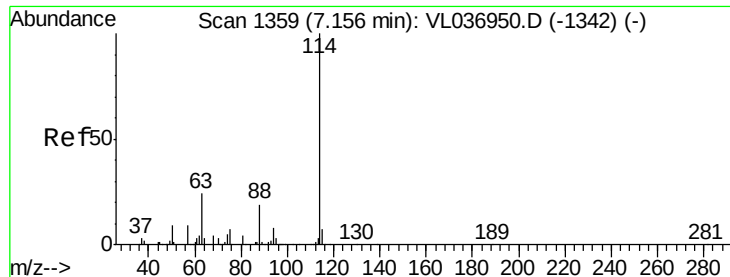
Tgt Ion: 45 Resp: 117408

Ion Ratio Lower Upper

45 100

58 8.3 37.2 55.8#





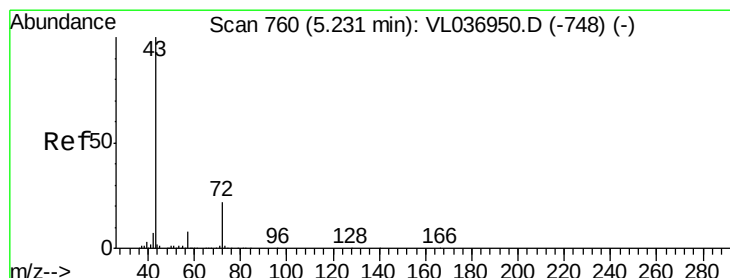
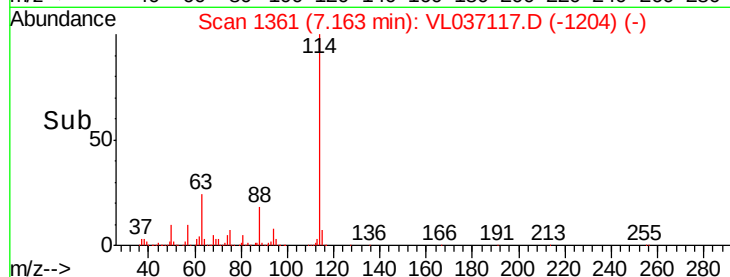
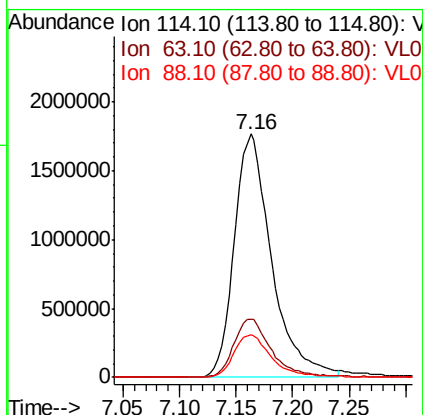
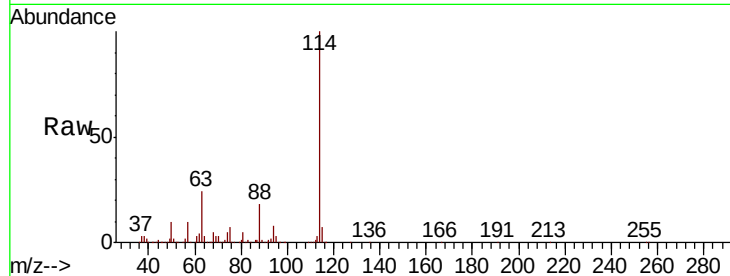
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL037117.D
 Acq: 3 Jun 2021 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 SGS-6ADL

Tot Ion:114 Resp: 4067216
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.6 29.4
 88 18.0 14.6 21.8

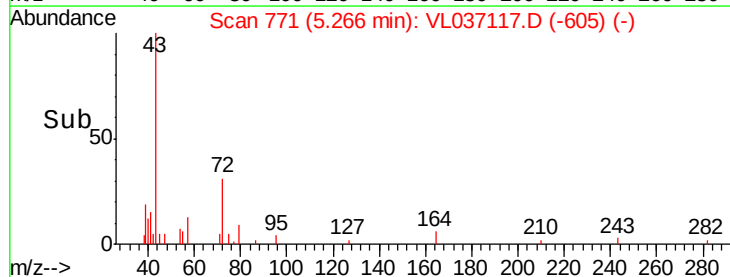
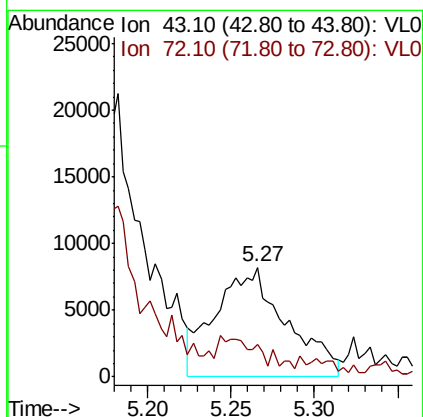
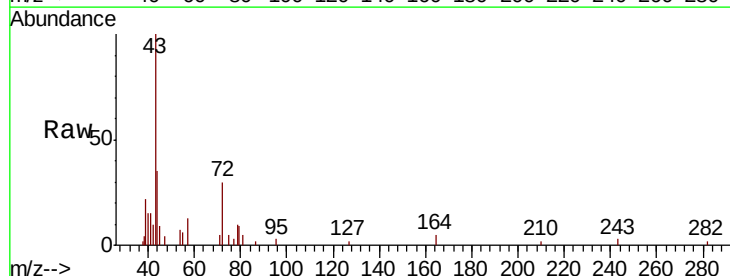
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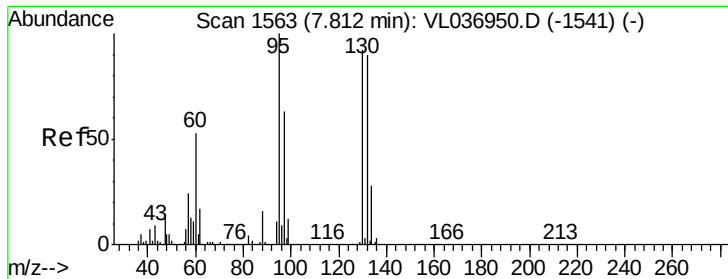
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#34
 2-Butanone
 Concen: 0.164 ppbv m
 RT: 5.27 min Scan# 771
 Delta R.T. 0.04 min
 Lab File: VL037117.D
 Acq: 3 Jun 2021 1:31

Tgt Ion: 43 Resp: 24297
 Ion Ratio Lower Upper
 43 100
 72 31.1 19.0 28.4#





#38

Trichloroethene

Concen: 0.256 ppbv m

RT: 7.82 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VL037117.D

Acq: 3 Jun 2021 1:31

Instrument :

MSVOA_L

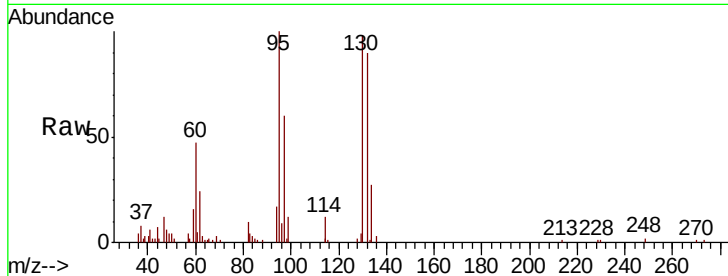
ClientSampleId :

SGS-6ADL

Tot Ion	Ratio	Lower	Upper
130	100		
95	101.7	86.9	130.3
132	91.1	78.4	117.6
97	61.4	55.0	82.6

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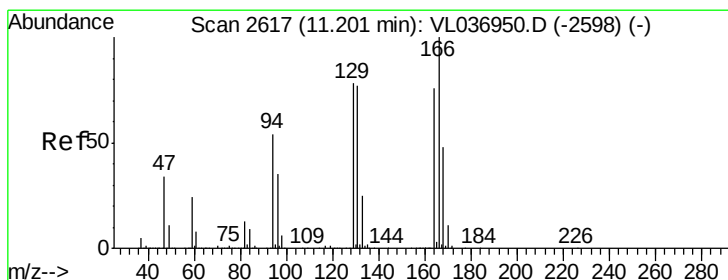
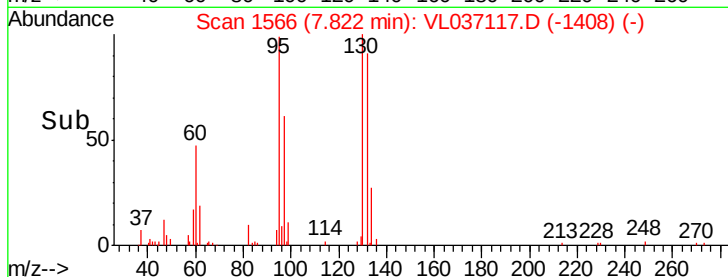
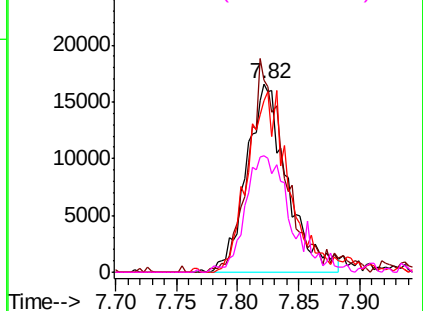
Abundance

Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#52

Tetrachloroethene

Concen: 0.032 ppbv m

RT: 11.20 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL037117.D

Acq: 3 Jun 2021 1:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	89.1	105.5	158.3#
129	37.4	81.8	122.8#
131	81.6	81.2	121.8

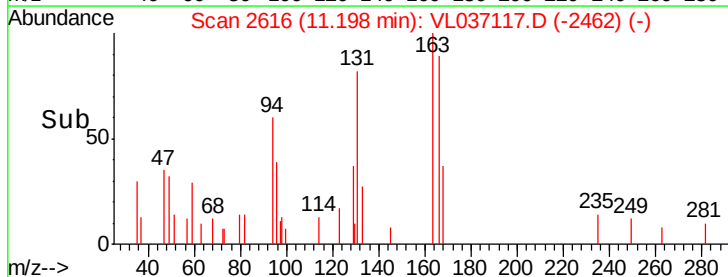
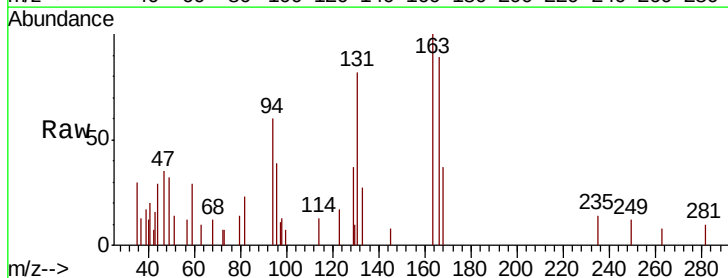
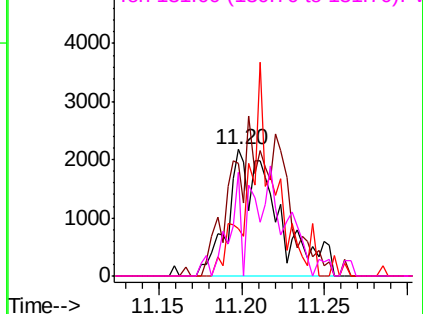
Abundance

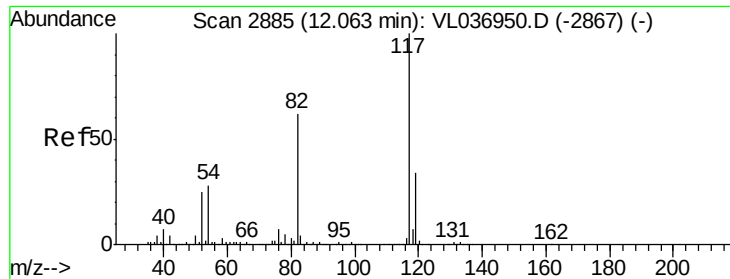
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





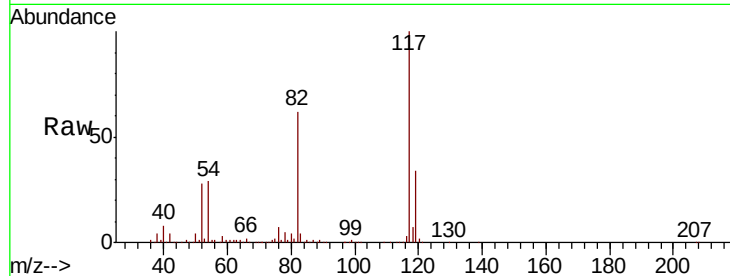
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VL037117.D
Acq: 3 Jun 2021 1:31

Instrument :
MSVOA_L
ClientSampleId :
SGS-6ADL

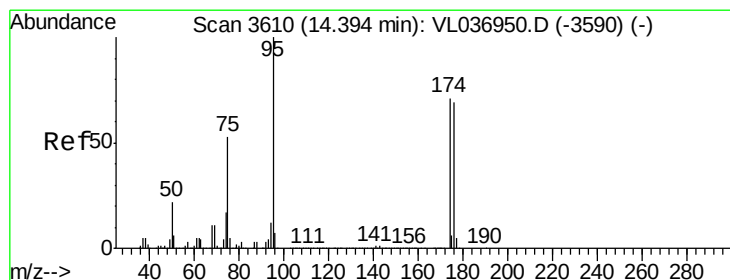
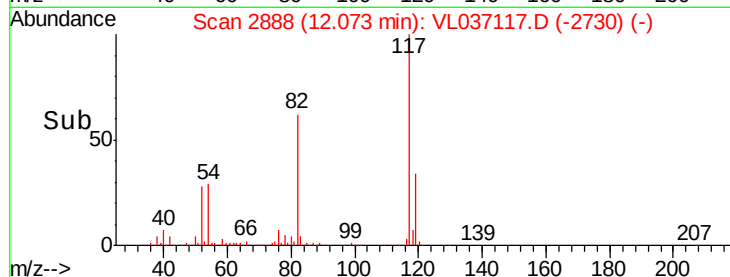
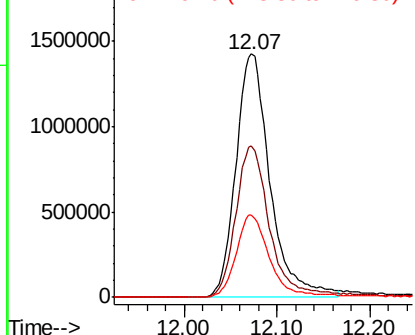
Tot Ion	Ratio	Lower	Upper
117	100		
82	63.6	52.6	79.0
119	34.4	46.6	70.0#

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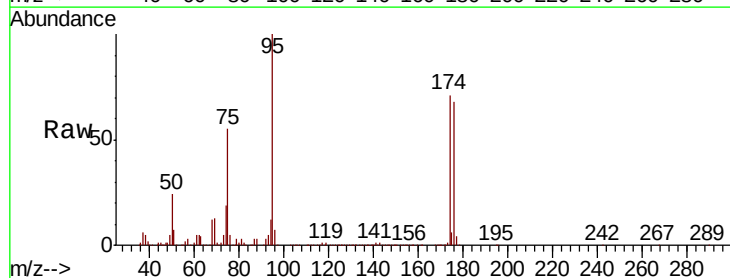


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.702 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. 0.01 min
Lab File: VL037117.D
Acq: 3 Jun 2021 1:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	58.4	87.6
175	5.4	4.4	6.6



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

