

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036977.D
 Acq On : 18 May 2021 20:21
 Operator : SY/AP
 Sample : M2430-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:56:00 PM

Quant Time: May 19 07:54:31 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	5.65	49	1215061	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3544345	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3280919	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2652887	10.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	9121	0.114	ppbv	92
13) Ethanol	3.62	45	30200m	2.840	ppbv	
15) Acetone	3.85	43	71891	0.578	ppbv #	46
20) Methylene Chloride	4.33	84	125628	1.883	ppbv	95
26) Hexane	5.67	57	146595	0.960	ppbv #	47
52) Tetrachloroethene	11.20	164	31856m	0.262	ppbv	

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

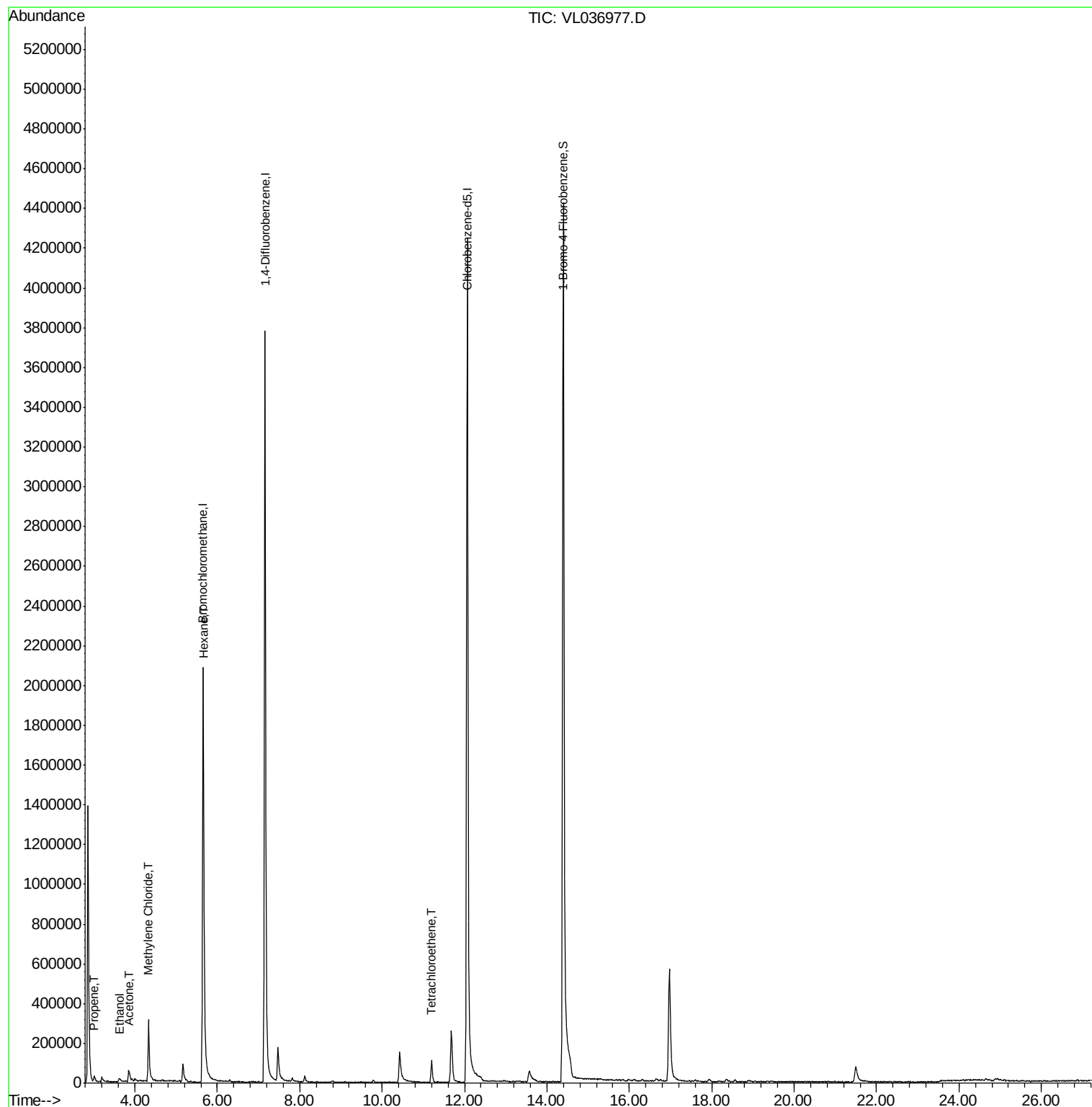
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051821\
Data File : VL036977.D
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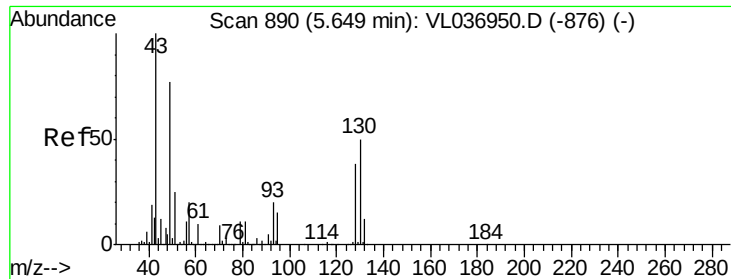
Instrument :
MSVOA_L
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036977.D

Acq: 18 May 2021 20:21

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tot Ion: 49 Resp: 1215061

Ion Ratio Lower Upper

49 100

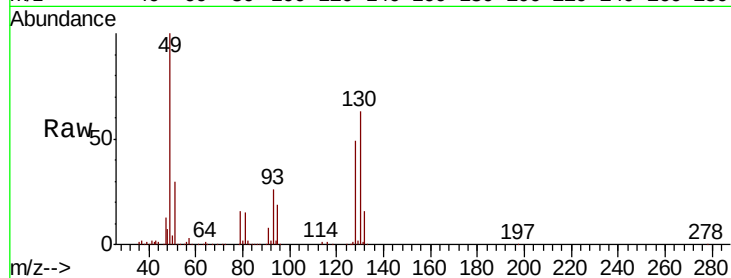
128 54.8 26.9 80.7

130 70.9 33.8 101.4

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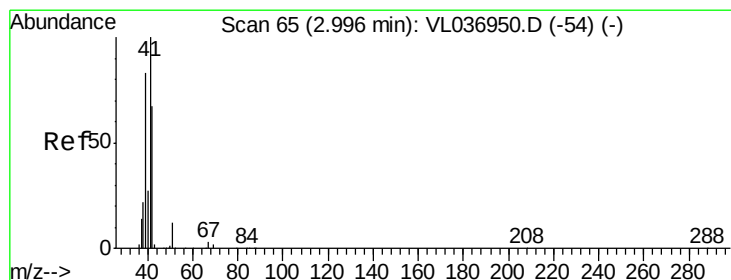
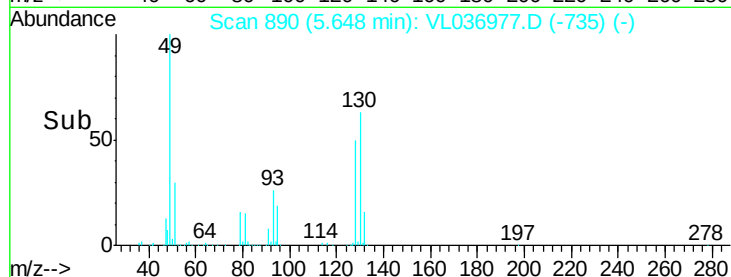
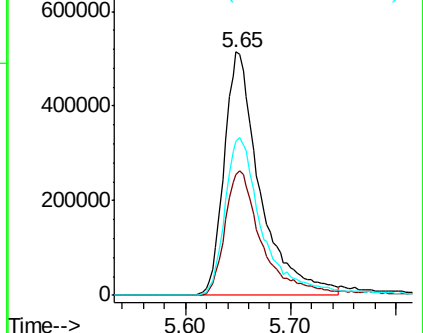
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.114 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL036977.D

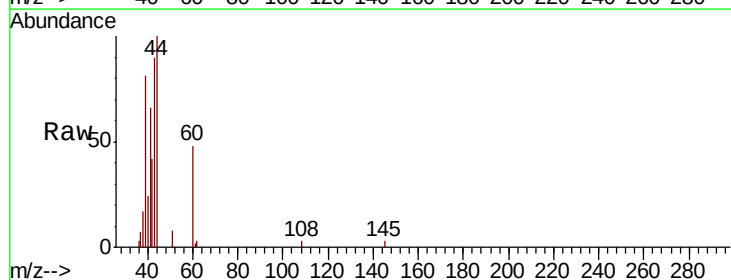
Acq: 18 May 2021 20:21

Tgt Ion: 41 Resp: 9121

Ion Ratio Lower Upper

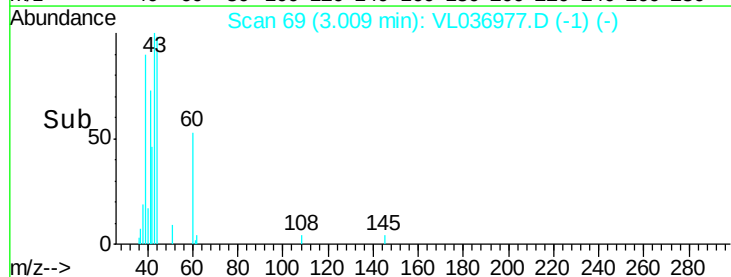
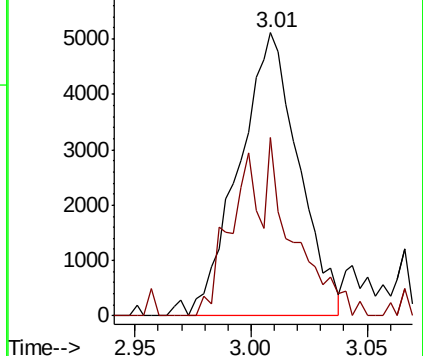
41 100

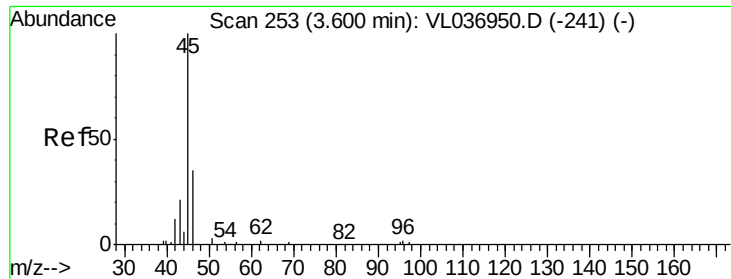
42 60.9 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





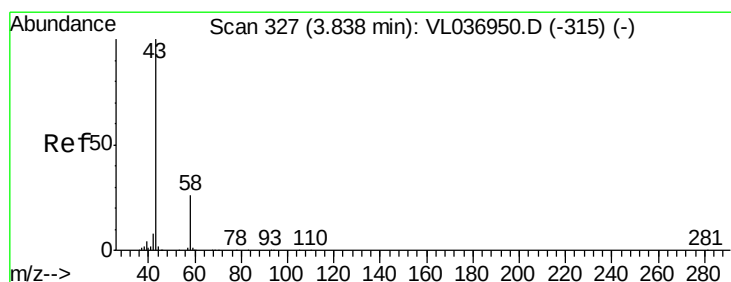
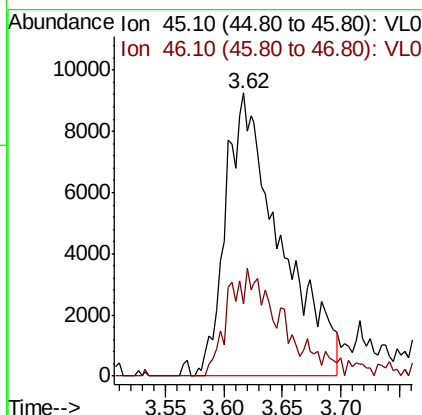
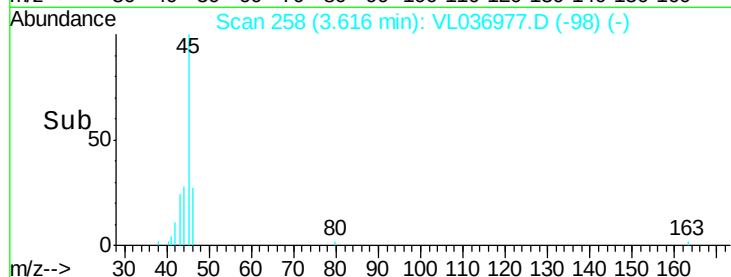
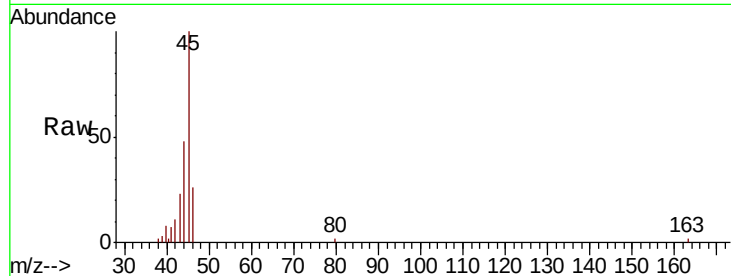
#13
Ethanol
Concen: 2.840 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Instrument :
MSVOA_L
ClientSampled :
QA1DL

Tot Ion: 45 Resp: 30200
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#

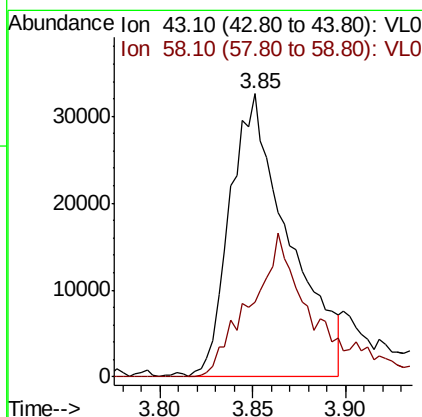
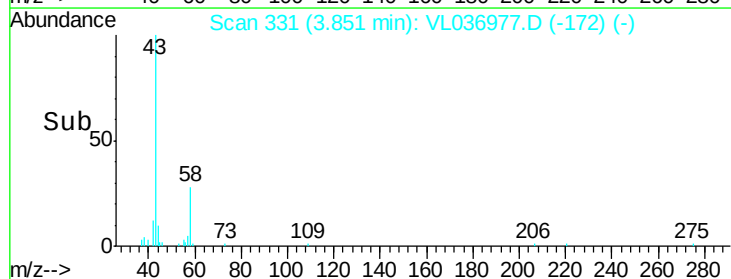
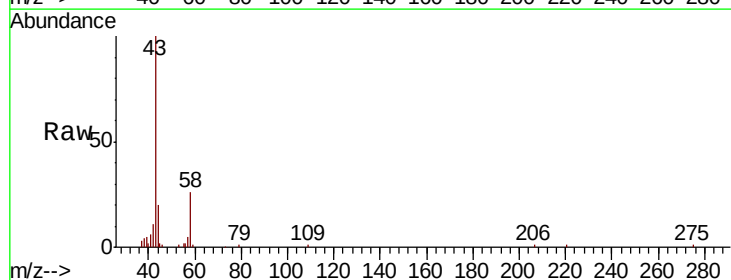
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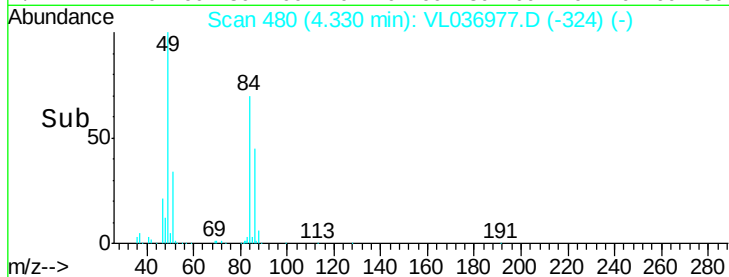
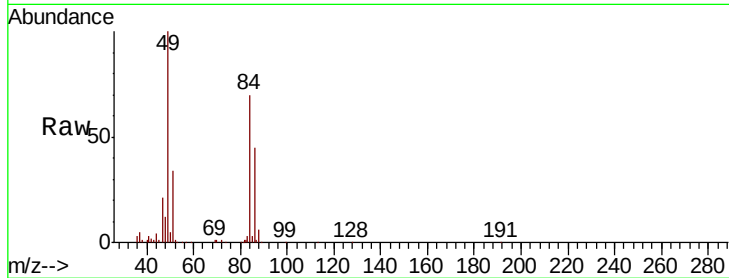
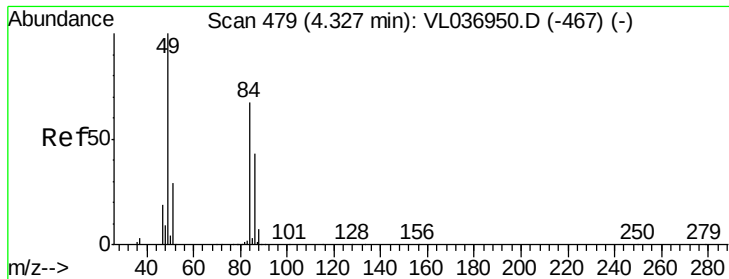
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#15
Acetone
Concen: 0.578 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Tgt Ion: 43 Resp: 71891
Ion Ratio Lower Upper
43 100
58 59.1 24.0 36.0#





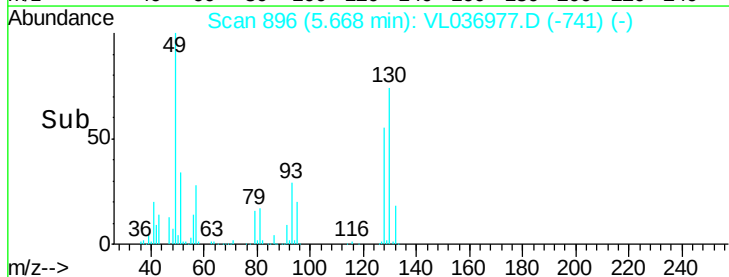
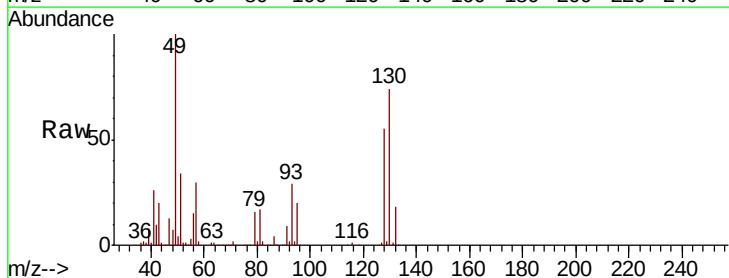
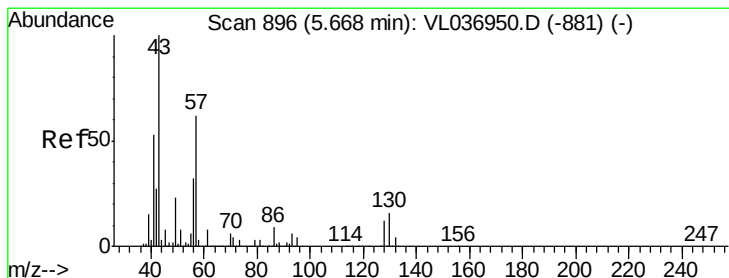
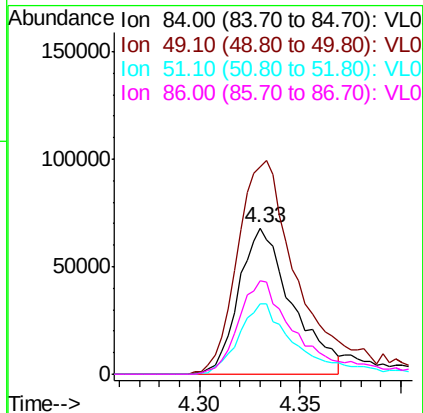
#20
Methylene Chloride
Concen: 1.883 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Tot Ion	84	Resp	125628
Ion Ratio	Lower	Upper	
84	100		
49	141.9	119.8	179.6
51	48.2	35.1	52.7
86	63.6	50.9	76.3

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

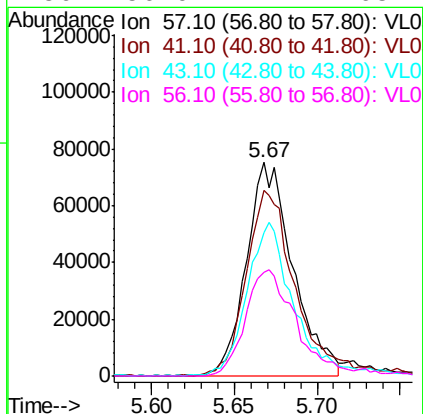
Manual Integrations
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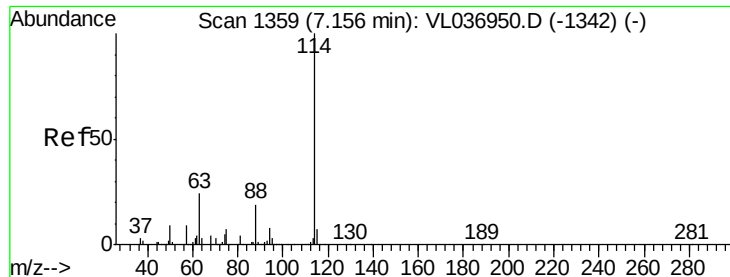
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#26
Hexane
Concen: 0.960 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Tgt Ion	57	Resp	146595
Ion Ratio	Lower	Upper	
57	100		
41	95.3	70.5	105.7
43	75.0	165.8	248.8#
56	56.0	42.2	63.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL036977.D

Acq: 18 May 2021 20:21

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tot Ion:114 Resp: 3544345

Ion Ratio Lower Upper

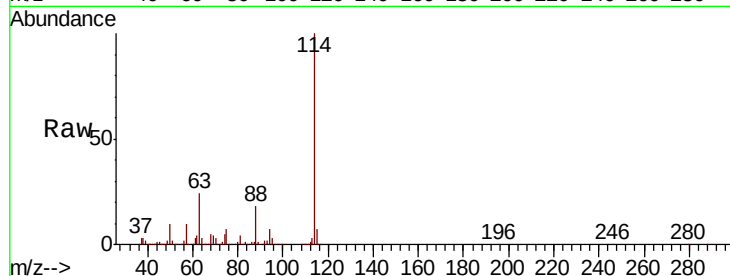
114 100

63 24.1 19.6 29.4

88 18.1 14.6 21.8

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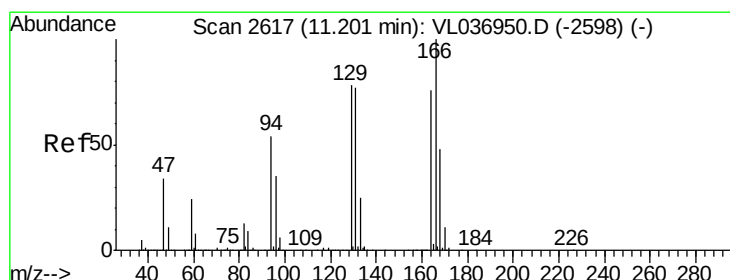
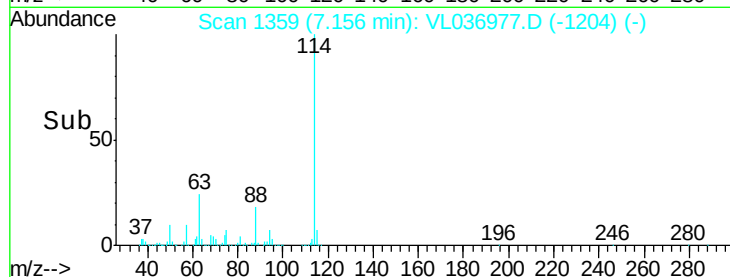
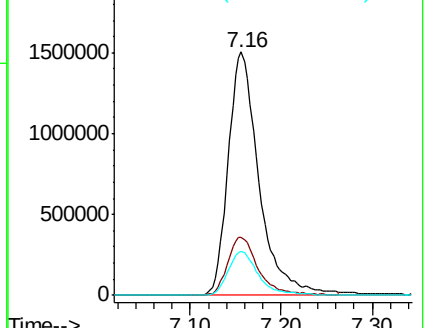
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#52

Tetrachloroethene

Concen: 0.262 ppbv m

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL036977.D

Acq: 18 May 2021 20:21

Tgt Ion:164 Resp: 31856

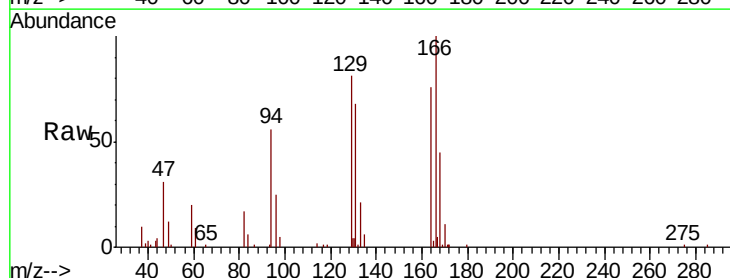
Ion Ratio Lower Upper

164 100

166 130.7 105.5 158.3

129 105.6 81.8 122.8

131 88.3 81.2 121.8

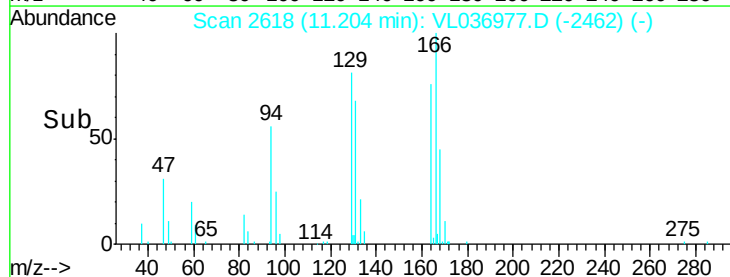
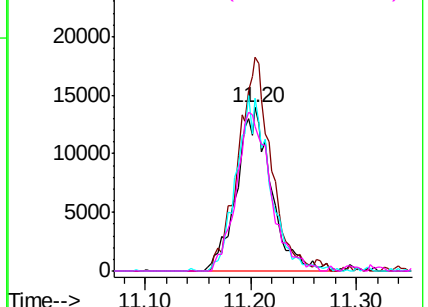


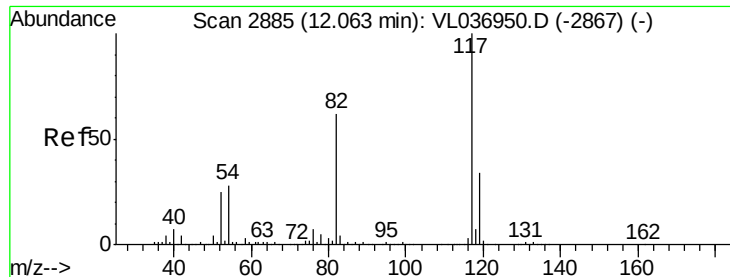
Abundance Ion 163.90 (163.60 to 164.60): V

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





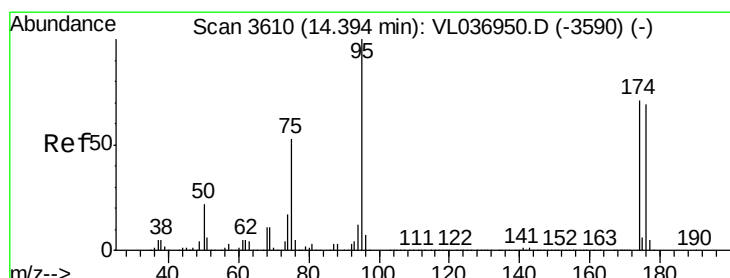
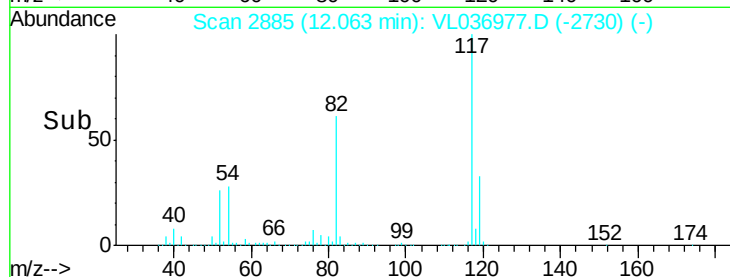
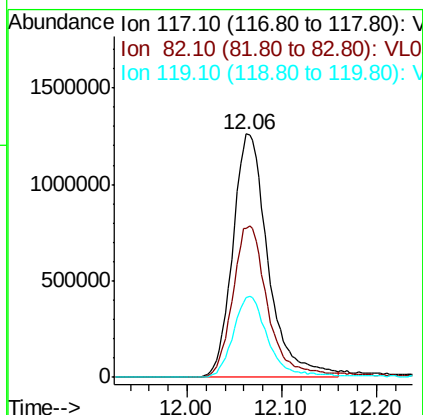
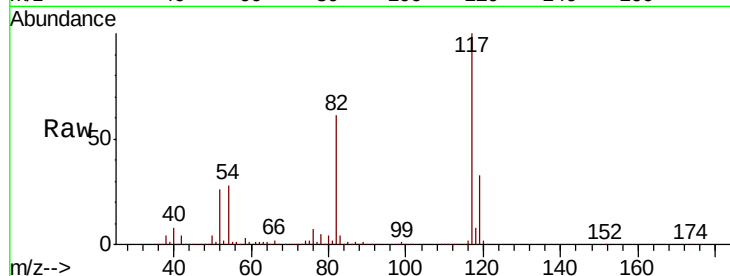
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Tot Ion:117 Resp: 3280919
Ion Ratio Lower Upper
117 100
82 64.9 52.6 79.0
119 34.1 46.6 70.0#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.764 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.00 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Tgt Ion: 95 Resp: 2652887
Ion Ratio Lower Upper
95 100
174 74.8 58.4 87.6
175 5.1 4.4 6.6

