

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035978.D
 Acq On : 18 Nov 2020 18:08
 Operator : SY/AP
 Sample : L4773-01DL2 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Manual Integrations
 APPROVED

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Quant Time: Nov 19 08:57:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1108784	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3921384	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.04	117	3760736	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2774435	10.38	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	11540m	1.095	ppbv	
15) Acetone	3.84	43	43782m	0.369	ppbv	
20) Methylene Chloride	4.31	84	21684	0.260	ppbv	92
29) Chloroform	5.71	83	30335	0.120	ppbv	89
30) Cyclohexane	7.12	84	25785m	0.184	ppbv	
38) Trichloroethene	7.79	130	23777	0.167	ppbv	97
52) Tetrachloroethene	11.18	164	996806	7.217	ppbv	94

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

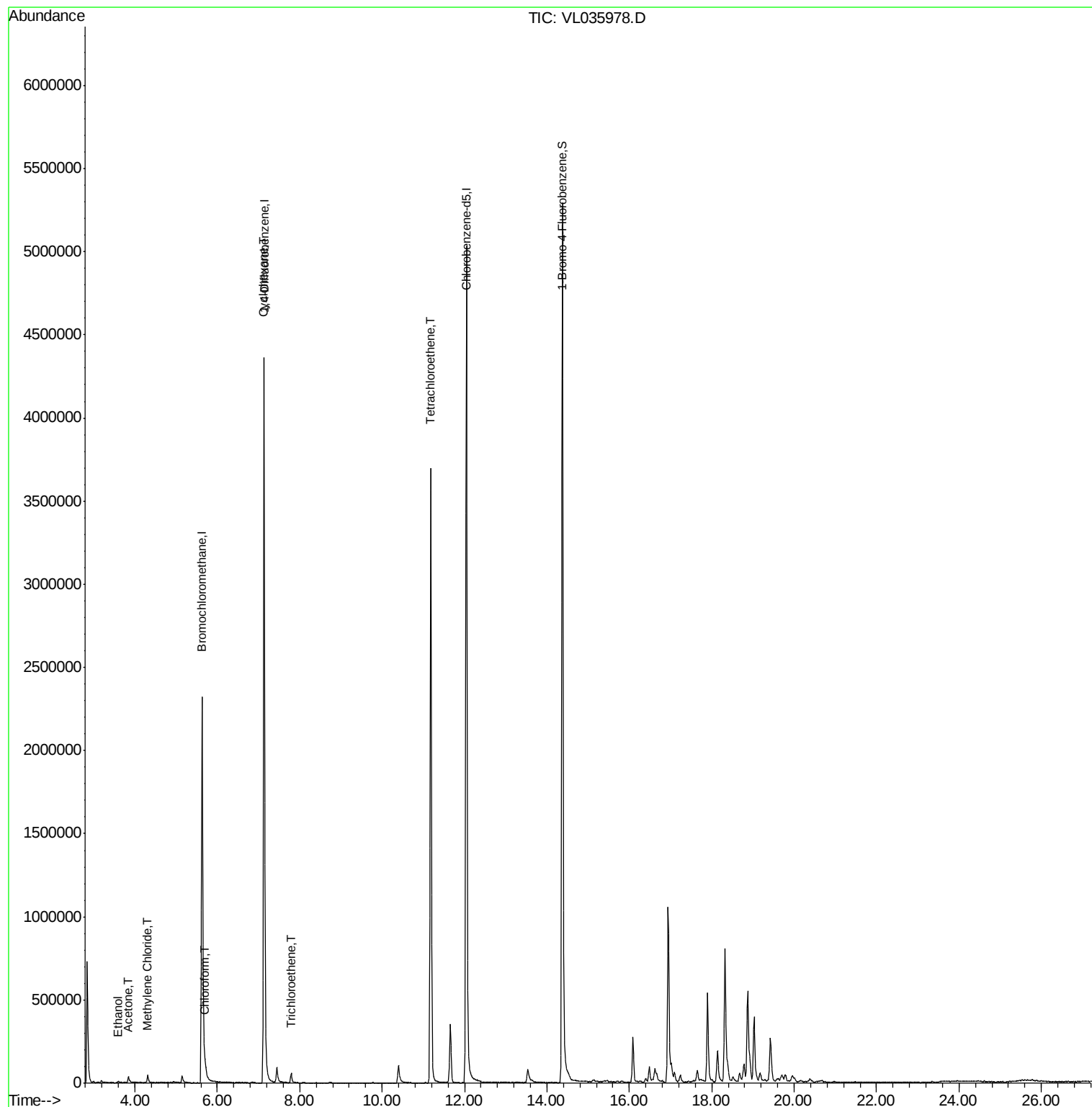
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111820\
Data File : VL035978.D
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Misc : 400ml/MSVOA L
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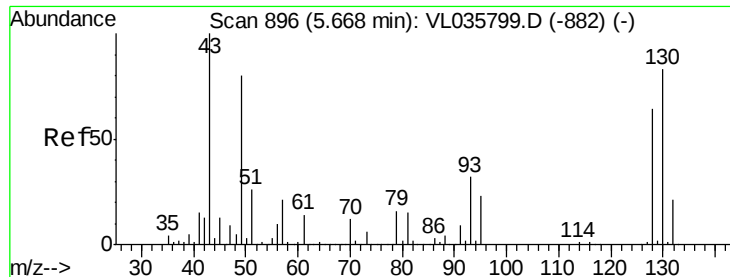
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

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Quant Time: Nov 19 08:57:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 883

Delta R.T. -0.04 min

Lab File: VL035978.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tot Ion: 49 Resp: 1108784

Ion Ratio Lower Upper

49 100

128 78.0 41.5 124.6

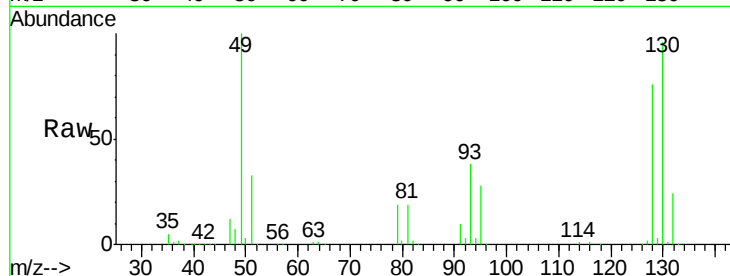
130 100.2 53.7 161.1

Manual Integrations

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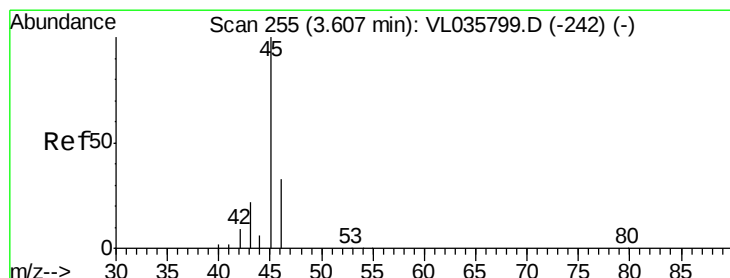
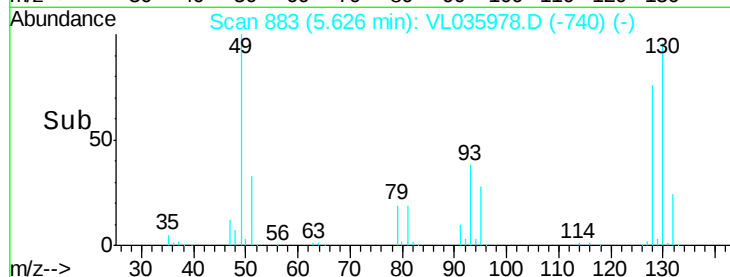
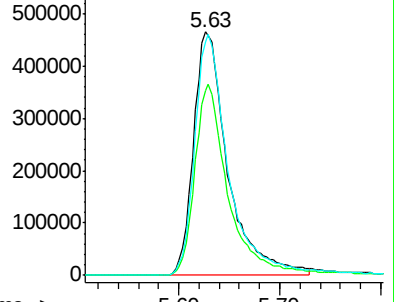
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 1.095 ppbv m

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035978.D

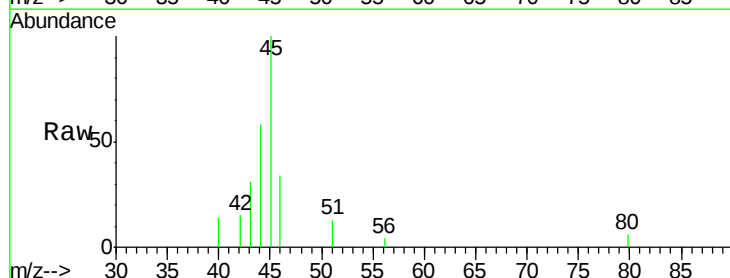
Acq: 18 Nov 2020 18:08

Tgt Ion: 45 Resp: 11540

Ion Ratio Lower Upper

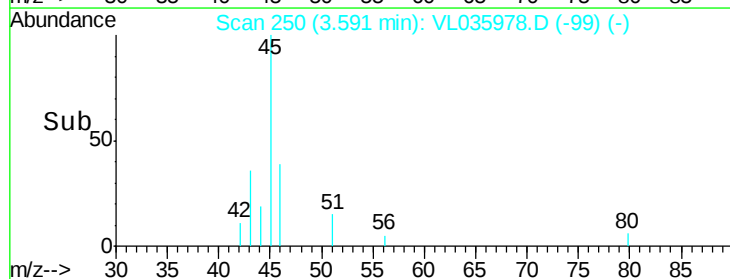
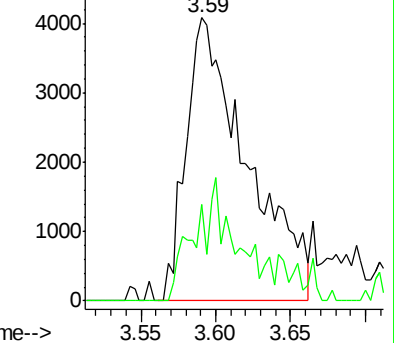
45 100

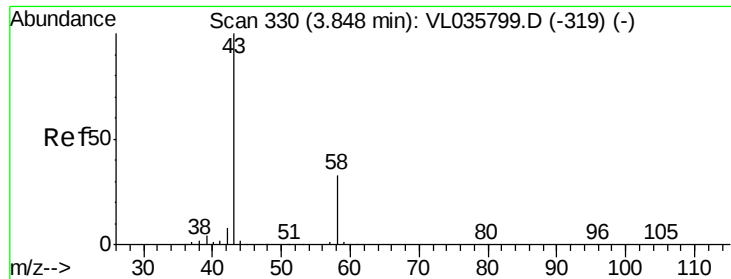
46 36.4 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.369 ppbv m

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL035978.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_L

ClientSampled :

SV1DL2

Tot Ion: 43 Resp: 43782

Ion Ratio Lower Upper

43 100

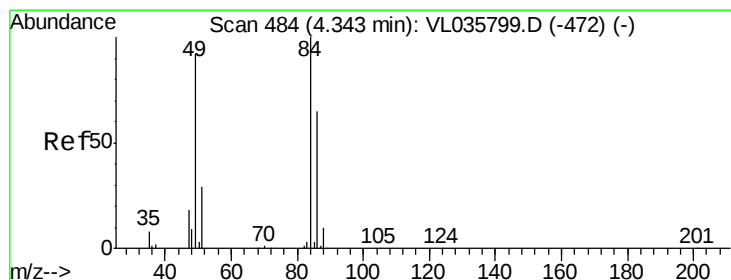
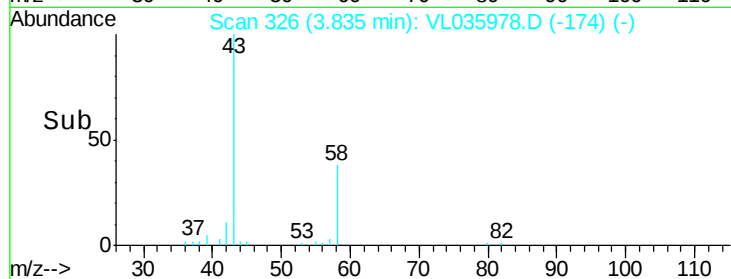
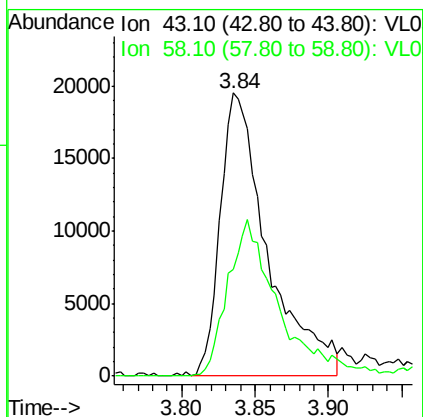
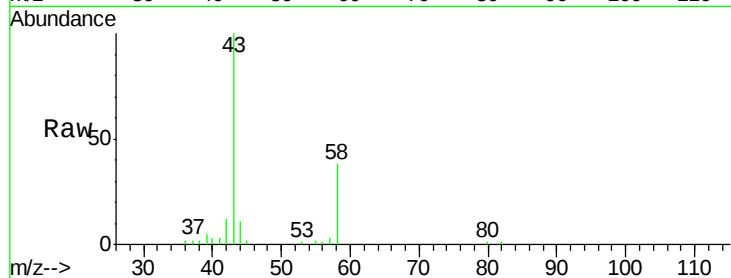
58 59.1 27.5 41.3#

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#20

Methylene Chloride

Concen: 0.260 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL035978.D

Acq: 18 Nov 2020 18:08

Tgt Ion: 84 Resp: 21684

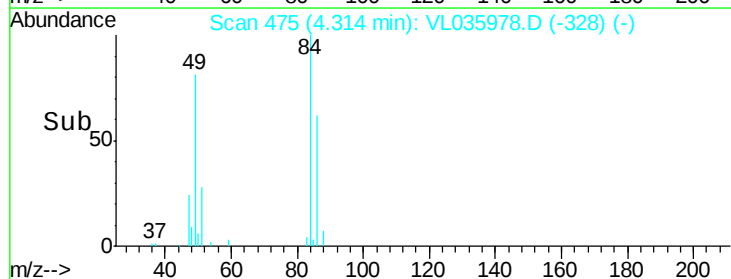
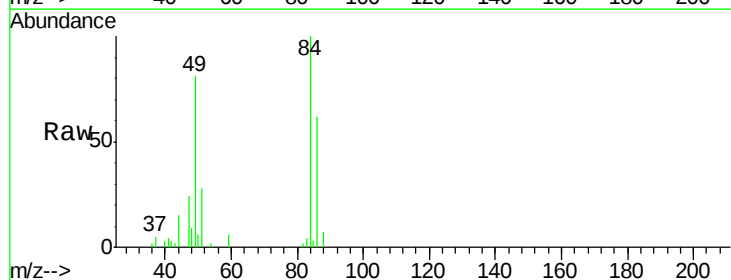
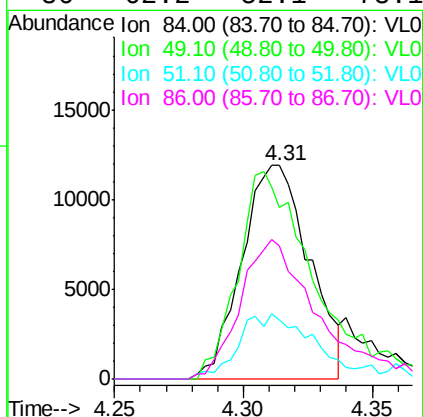
Ion Ratio Lower Upper

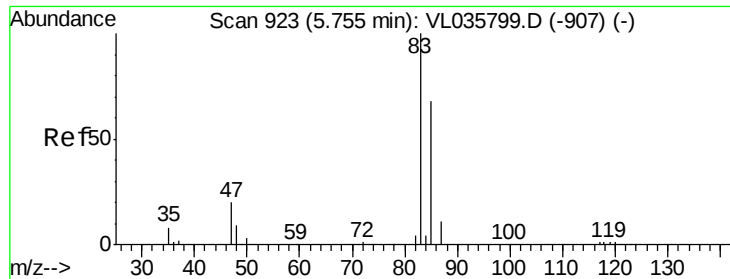
84 100

49 80.6 73.8 110.8

51 27.5 23.0 34.4

86 62.2 52.1 78.1





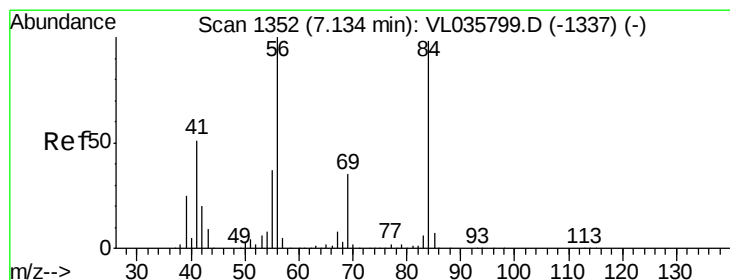
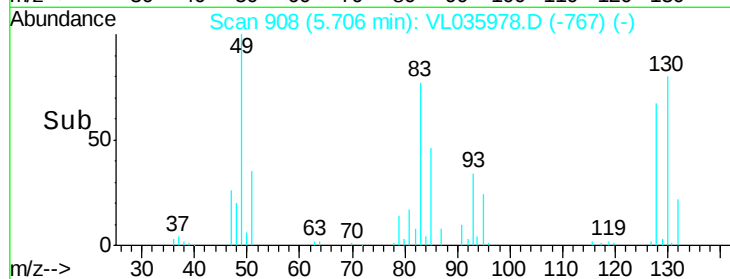
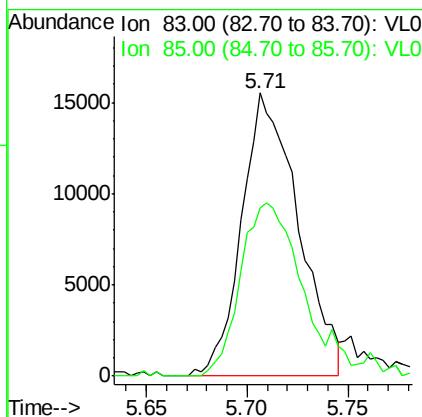
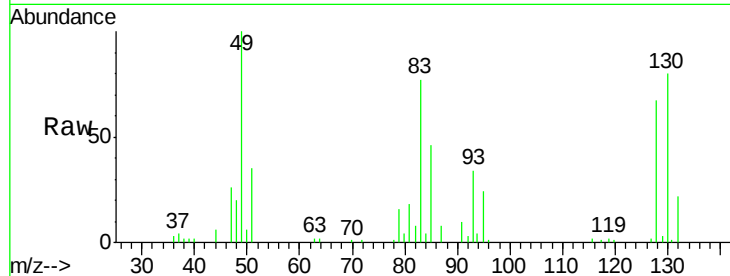
#29
Chloroform
Concen: 0.120 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.05 min
Lab File: VL035978.D
Acq: 18 Nov 2020 18:08

Instrument :
MSVOA_L
ClientSampled :
SV1DL2

Tot Ion: 83 Resp: 30335
Ion Ratio Lower Upper
83 100
85 59.6 54.6 81.8

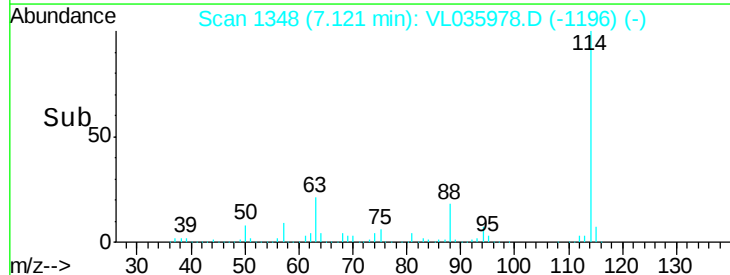
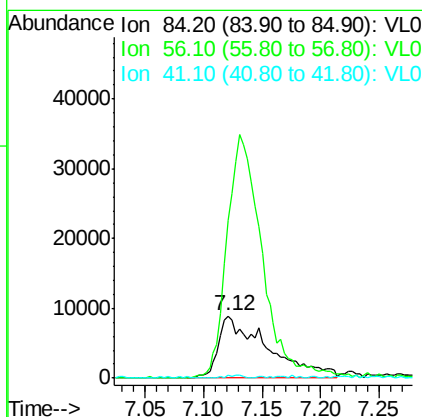
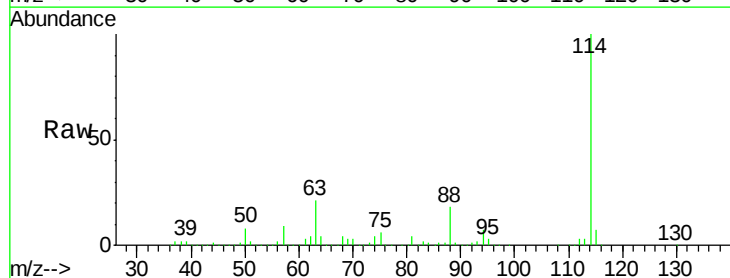
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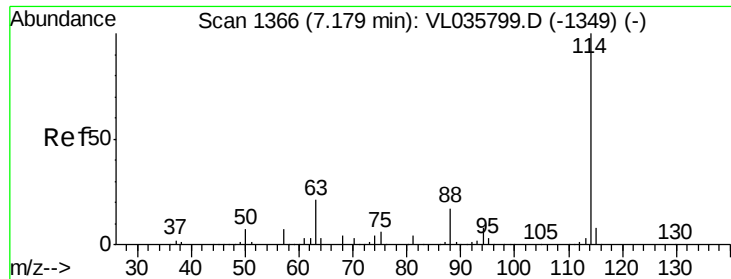
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#30
Cyclohexane
Concen: 0.184 ppbv m
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035978.D
Acq: 18 Nov 2020 18:08

Tgt Ion: 84 Resp: 25785
Ion Ratio Lower Upper
84 100
56 0.0 86.4 129.6#
41 0.0 42.1 63.1#





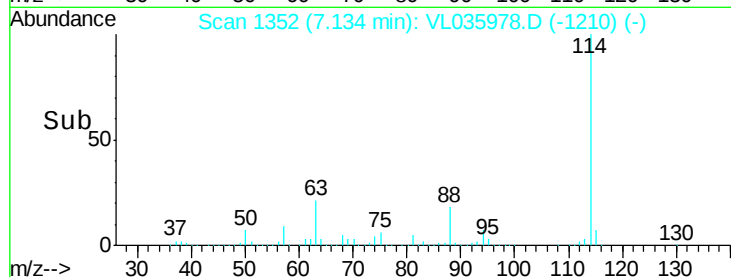
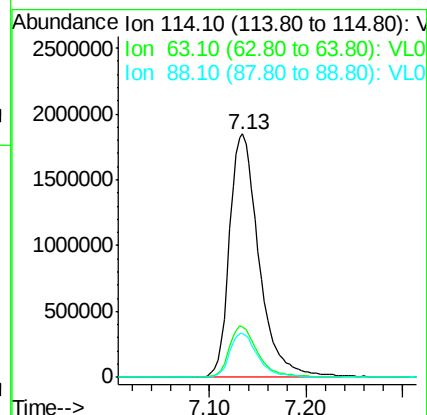
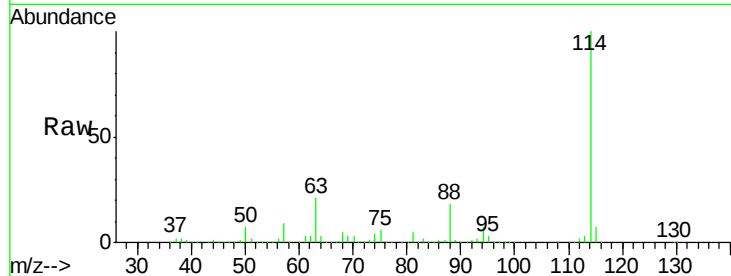
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.04 min
Lab File: VL035978.D
Acq: 18 Nov 2020 18:08

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tot Ion:114 Resp: 3921384
Ion Ratio Lower Upper
114 100
63 20.6 16.1 24.1
88 17.4 13.7 20.5

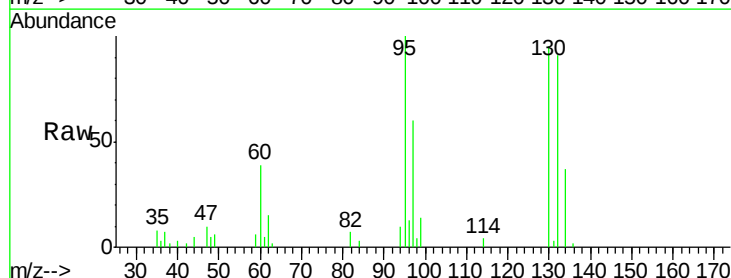
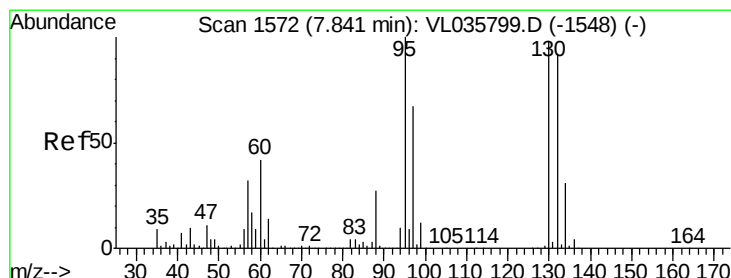
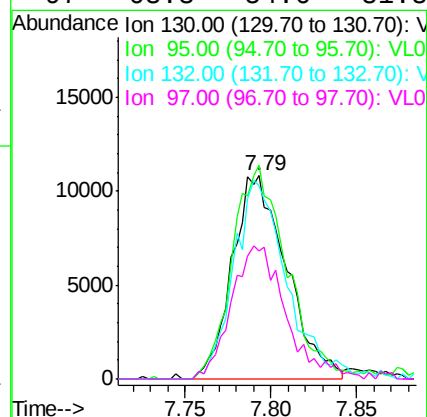
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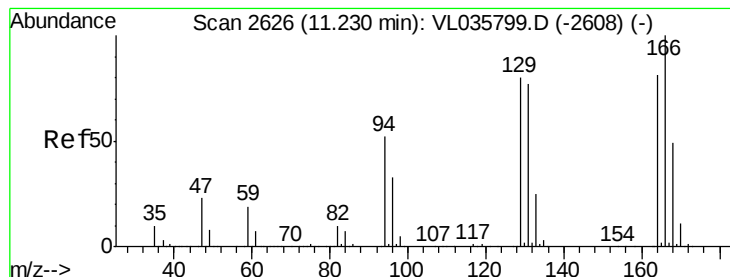
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#38
Trichloroethene
Concen: 0.167 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VL035978.D
Acq: 18 Nov 2020 18:08

Tgt Ion:130 Resp: 23777
Ion Ratio Lower Upper
130 100
95 105.2 81.6 122.4
132 95.2 75.1 112.7
97 63.3 54.6 81.8





#52

Tetrachloroethene

Concen: 7.217 ppbv

RT: 11.18 min Scan# 2611

Delta R.T. -0.05 min

Lab File: VL035978.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_L

ClientSampled :

SV1DL2

Tot Ion:164 Resp: 996806

Ion Ratio Lower Upper

164 100

166 131.8 99.3 148.9

129 104.6 79.3 118.9

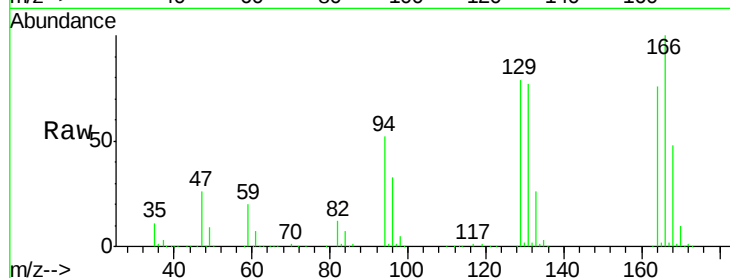
131 101.4 76.5 114.7

Manual Integrations

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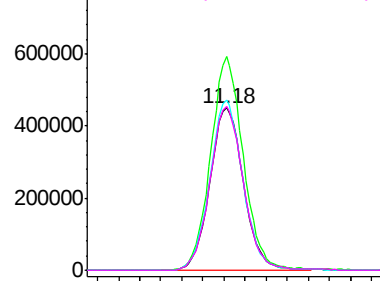


Abundance Ion 163.90 (163.60 to 164.60): V

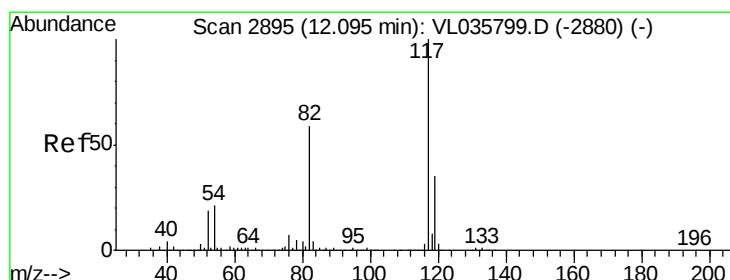
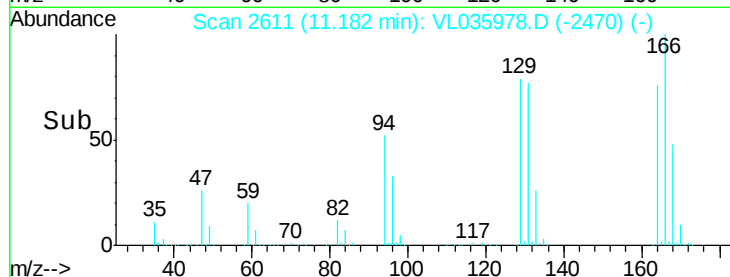
Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



Time--> 11.10 11.20 11.30



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.04 min Scan# 2879

Delta R.T. -0.05 min

Lab File: VL035978.D

Acq: 18 Nov 2020 18:08

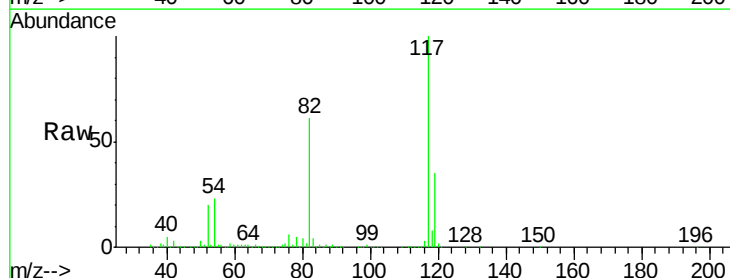
Tgt Ion:117 Resp: 3760736

Ion Ratio Lower Upper

117 100

82 61.3 50.6 76.0

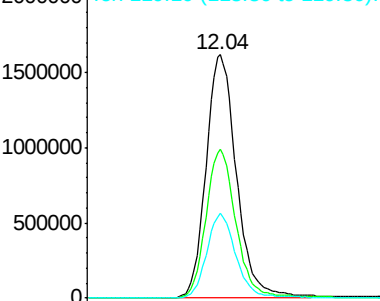
119 34.1 52.6 78.8#



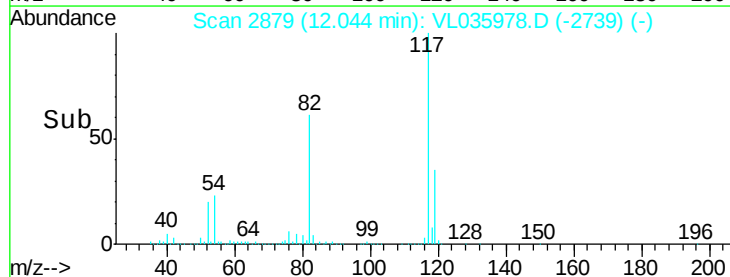
Abundance Ion 117.10 (116.80 to 117.80): V

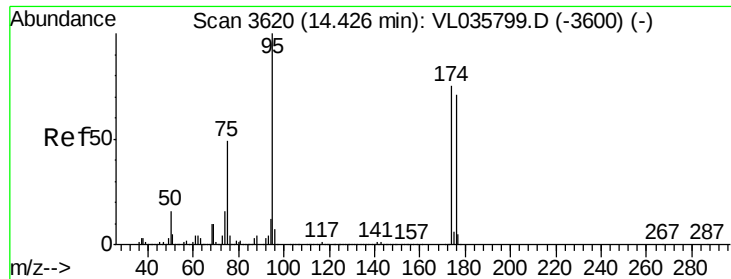
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



Time--> 11.90 12.00 12.10





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.384 ppbv
 RT: 14.37 min Scan# 3603
 Delta R.T. -0.05 min
 Lab File: VL035978.D
 Acq: 18 Nov 2020 18:08

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Tot Ion	Ratio	Lower	Upper
95	100		
174	72.0	59.8	89.6
175	5.1	4.3	6.5

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