

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035803.D
 Acq On : 3 Nov 2020 13:01
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:23 PM

Quant Time: Nov 03 14:18:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 03 11:09:05 2020
 QLast Update : Tue Nov 03 11:09:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1430760	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	6029952	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5567389	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3980006	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	10124	0.104	ppbv	89
32) 1,1,1-Trichloroethane	6.51	97	34193m	0.126	ppbv	
35) Carbon Tetrachloride	7.01	117	32096m	0.102	ppbv	
38) Trichloroethene	7.83	130	23347	0.119	ppbv	94
52) Tetrachloroethene	11.22	164	21997m	0.116	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	45043m	0.111	ppbv	

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

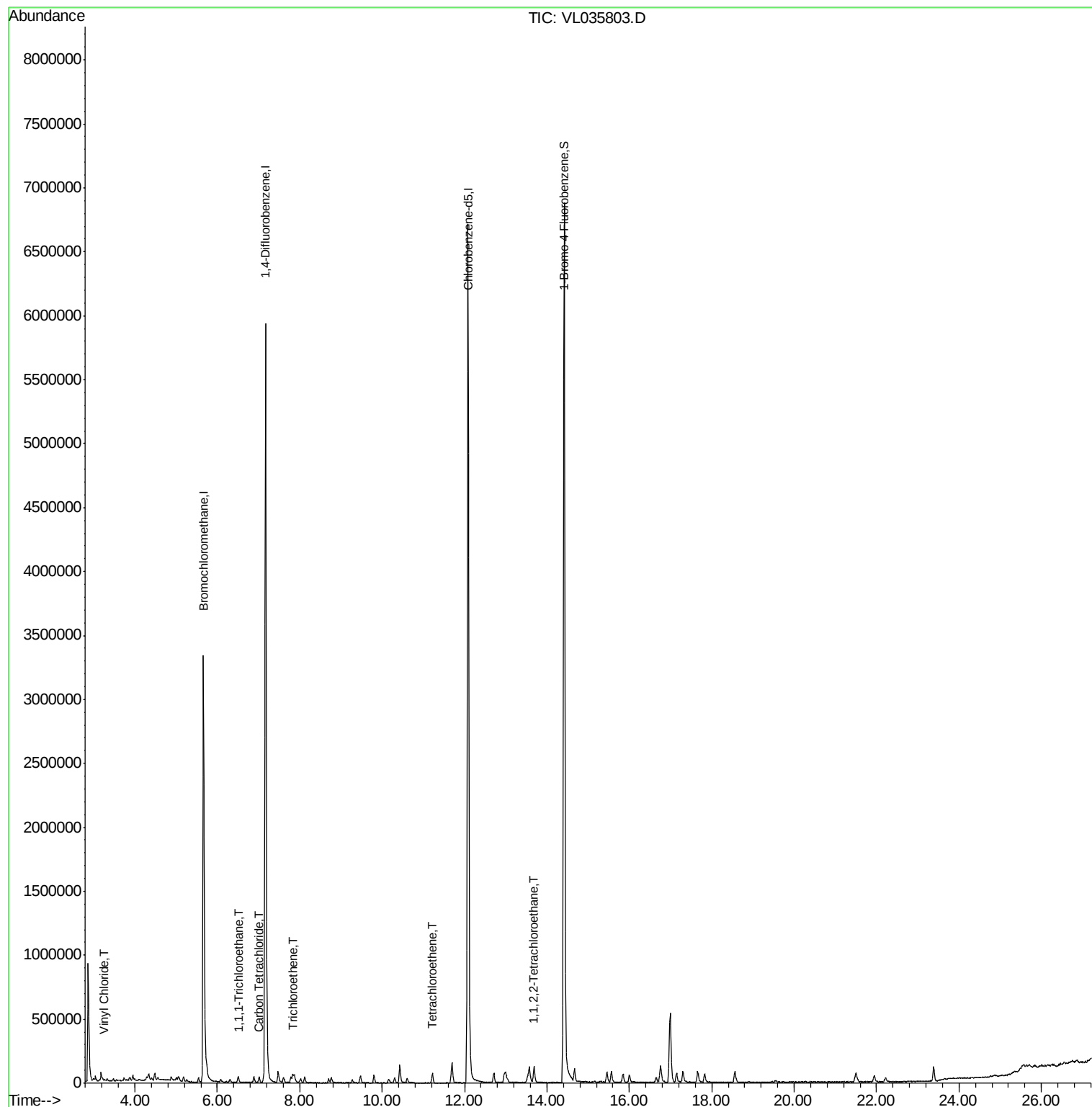
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110320\
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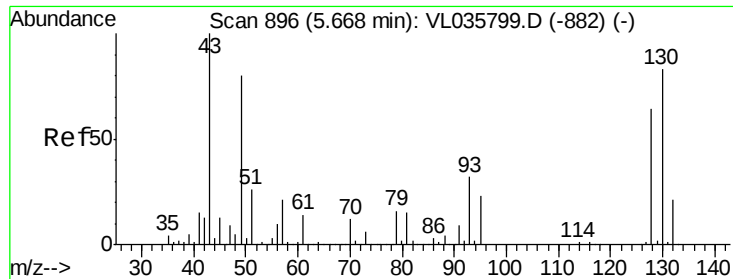
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Manual Integrations
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Quant Time: Nov 03 14:18:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 03 11:09:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL035803.D

Acq: 3 Nov 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1430760

Ion Ratio Lower Upper

49 100

128 89.6 41.5 124.6

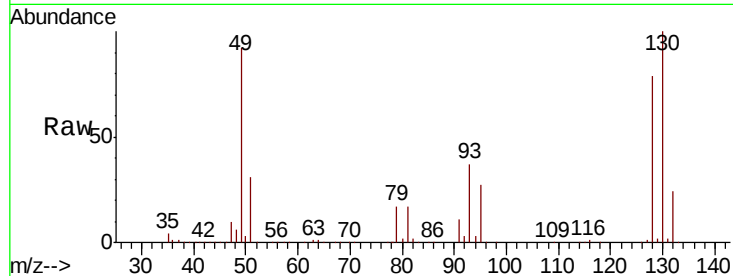
130 113.6 53.7 161.1

Manual Integrations

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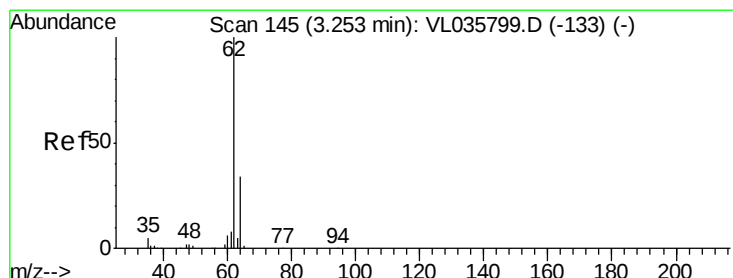
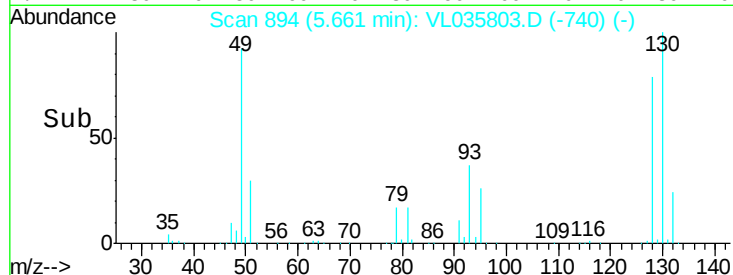
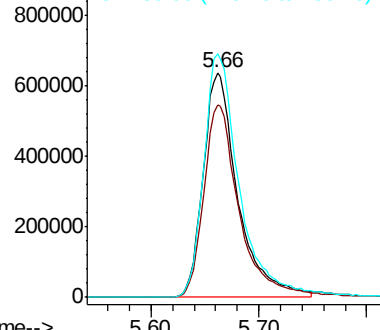
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.104 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035803.D

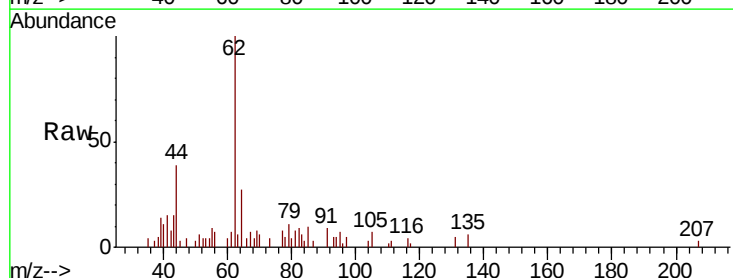
Acq: 3 Nov 2020 13:01

Tgt Ion: 62 Resp: 10124

Ion Ratio Lower Upper

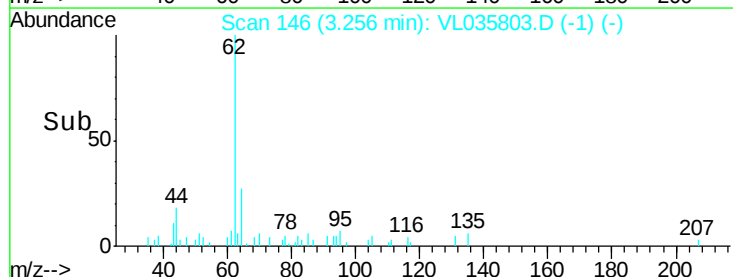
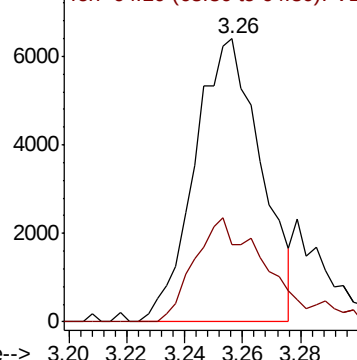
62 100

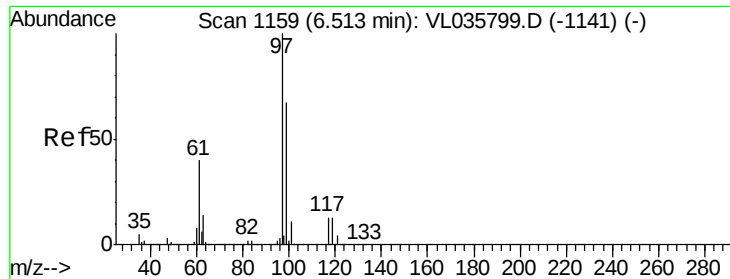
64 27.2 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.126 ppbv m

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL035803.D

Acq: 3 Nov 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 97 Resp: 34193

Ion Ratio Lower Upper

97 100

99 63.2 52.3 78.5

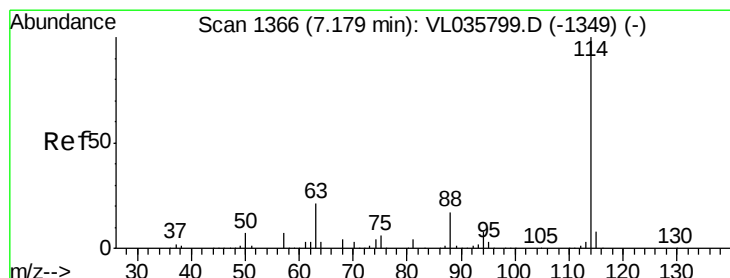
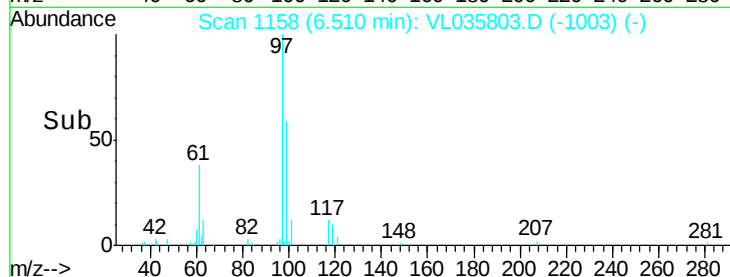
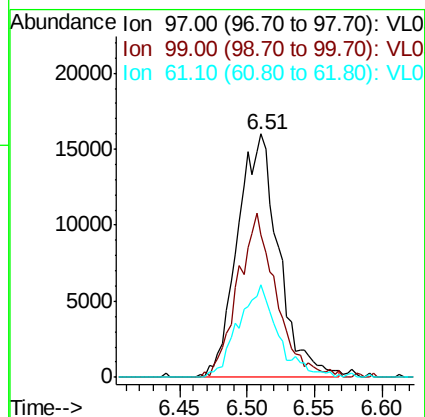
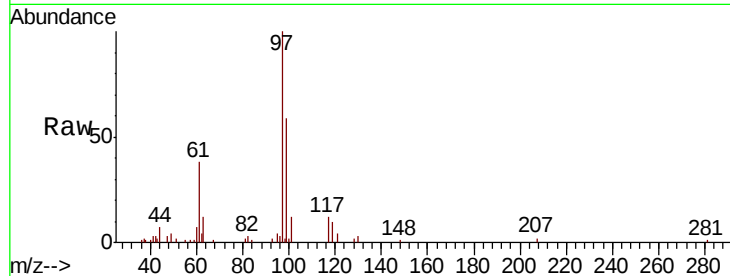
61 37.0 32.0 48.0

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL035803.D

Acq: 3 Nov 2020 13:01

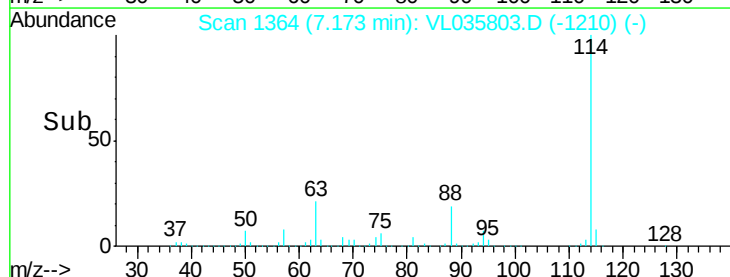
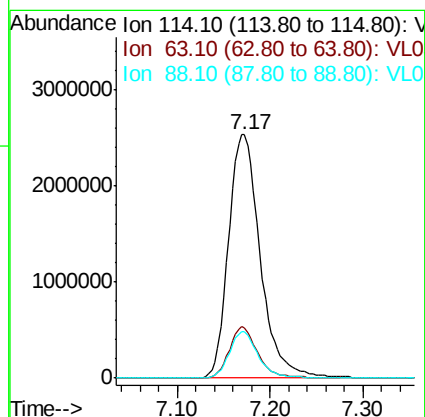
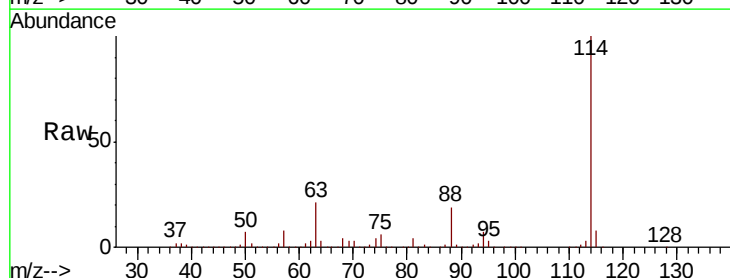
Tgt Ion: 114 Resp: 6029952

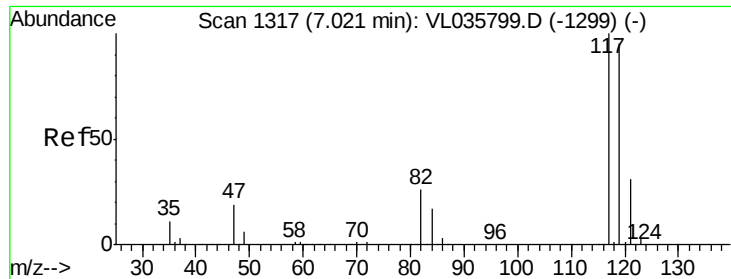
Ion Ratio Lower Upper

114 100

63 19.1 16.1 24.1

88 17.5 13.7 20.5





#35

Carbon Tetrachloride

Concen: 0.102 ppbv m

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL035803.D

Acq: 3 Nov 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:117 Resp: 32096

Ion Ratio Lower Upper

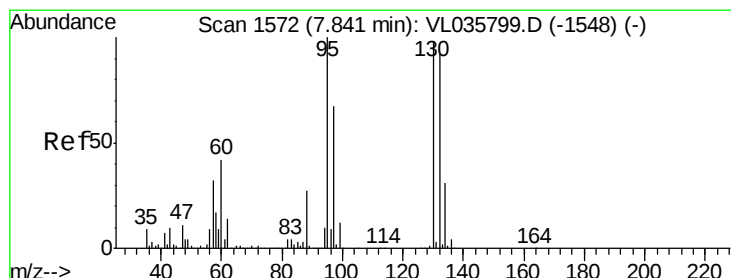
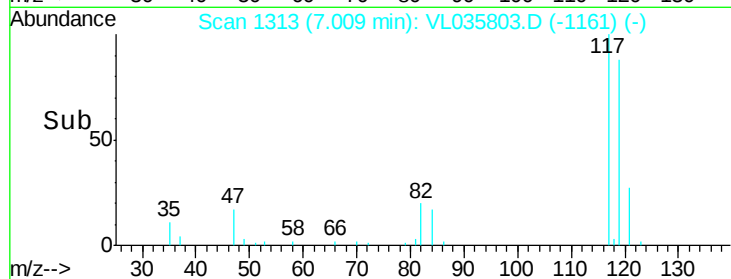
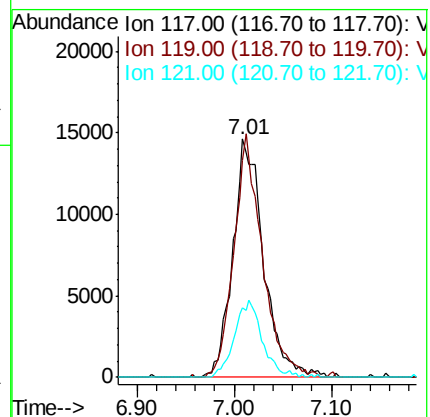
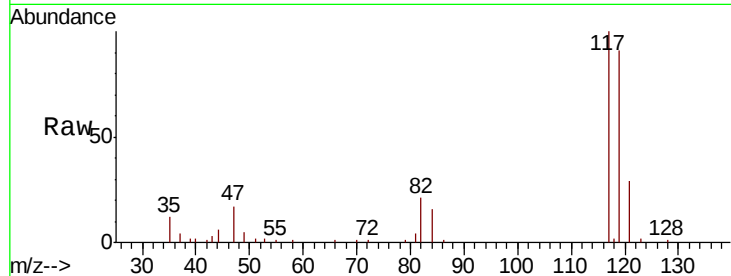
117 100

119 91.2 75.6 113.4

121 29.2 25.1 37.7

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#38

Trichloroethene

Concen: 0.119 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL035803.D

Acq: 3 Nov 2020 13:01

Tgt Ion:130 Resp: 23347

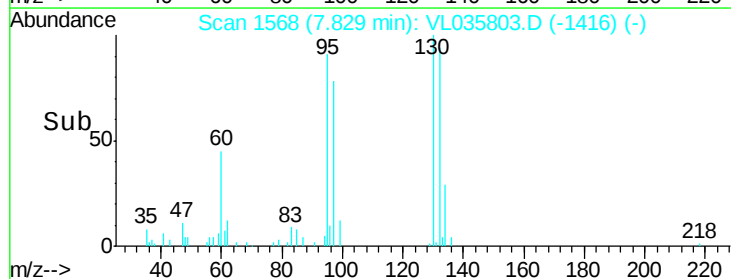
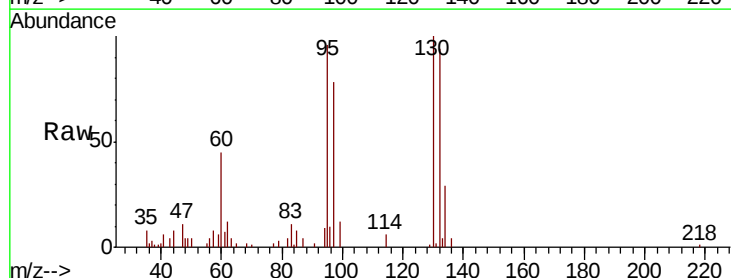
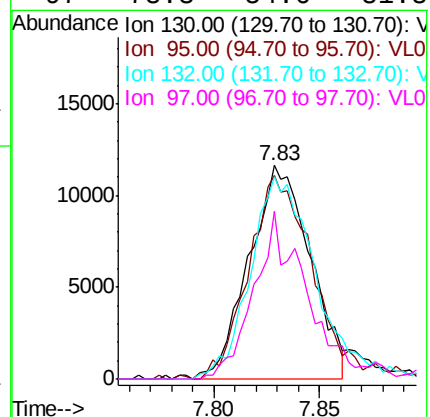
Ion Ratio Lower Upper

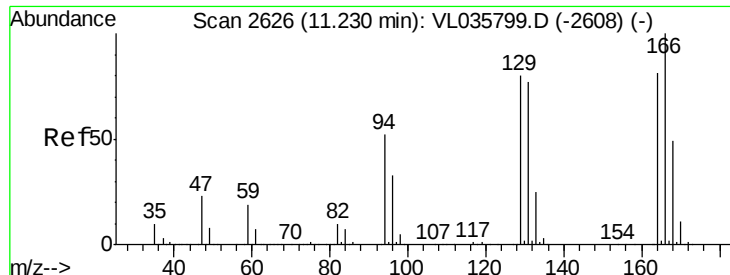
130 100

95 95.5 81.6 122.4

132 94.5 75.1 112.7

97 78.3 54.6 81.8





#52

Tetrachloroethene

Concen: 0.116 ppbv m

RT: 11.22 min Scan# 2624

Delta R.T. -0.01 min

Lab File: VL035803.D

Acq: 3 Nov 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 21997

Ion Ratio Lower Upper

164 100

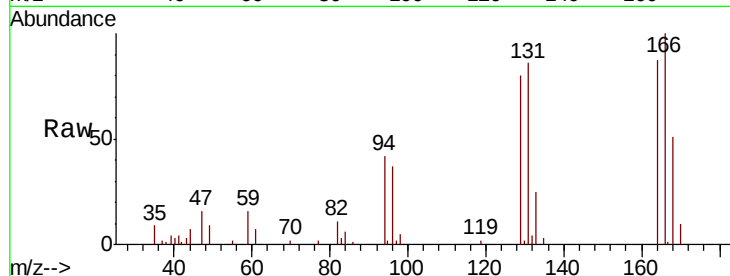
166 114.8 99.3 148.9

129 91.5 79.3 118.9

131 98.9 76.5 114.7

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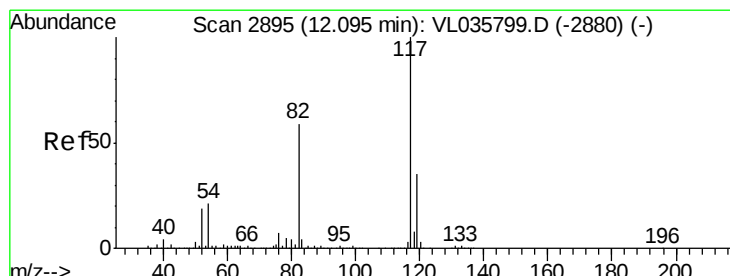
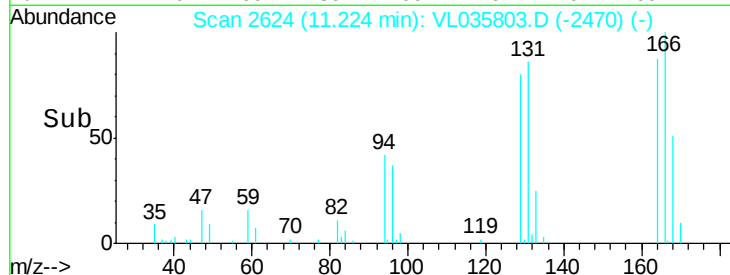
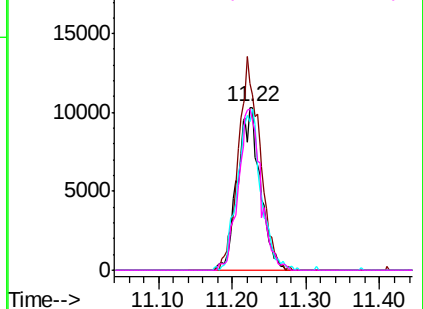
Abundance

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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL035803.D

Acq: 3 Nov 2020 13:01

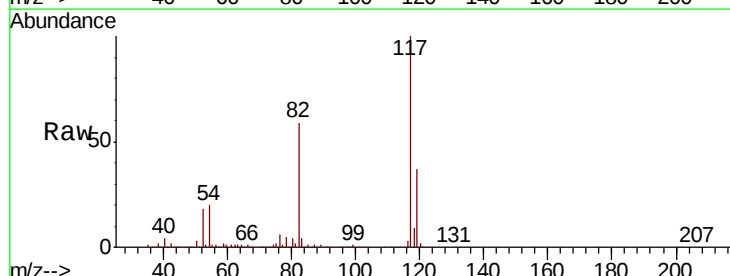
Tgt Ion:117 Resp: 5567389

Ion Ratio Lower Upper

117 100

82 56.8 50.6 76.0

119 35.5 52.6 78.8#

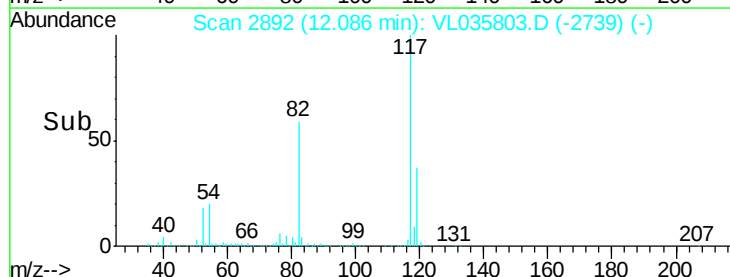
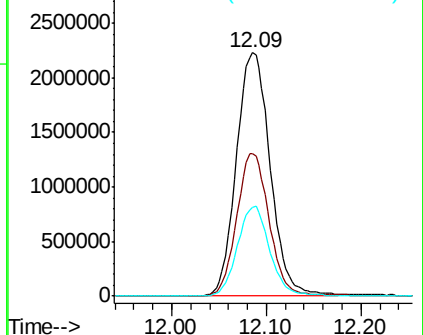


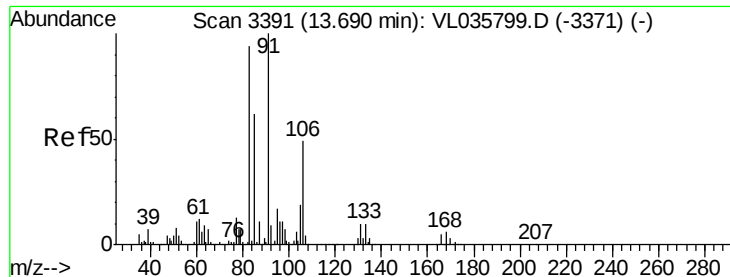
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.111 ppbv m

RT: 13.67 min Scan# 3386

Delta R.T. -0.02 min

Lab File: VL035803.D

Acq: 3 Nov 2020 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 83 Resp: 45043

Ion Ratio Lower Upper

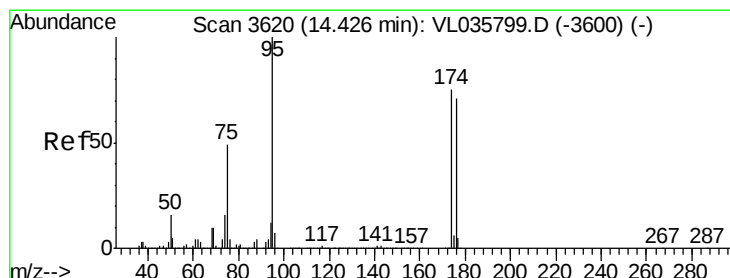
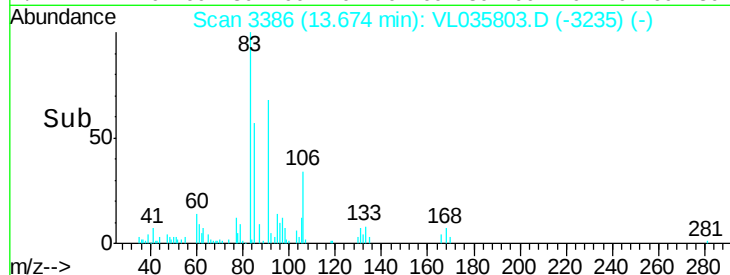
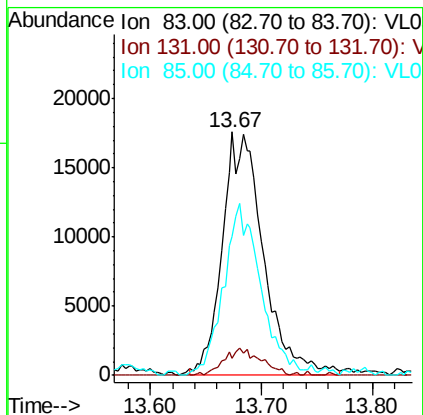
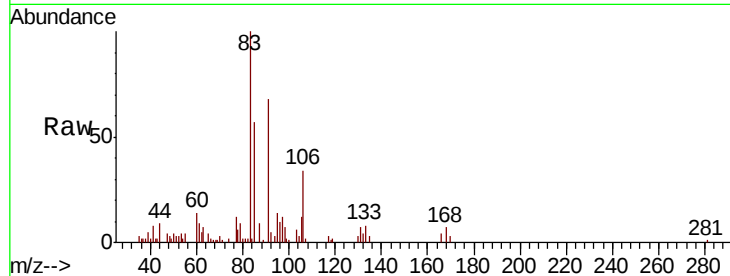
83 100

131 10.3 5.3 15.8

85 66.2 33.5 100.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.540 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035803.D

Acq: 3 Nov 2020 13:01

Tgt Ion: 95 Resp: 3980006

Ion Ratio Lower Upper

95 100

174 73.5 59.8 89.6

175 5.2 4.3 6.5

