

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035471.D
 Acq On : 20 Aug 2020 10:33
 Operator : SY/AP
 Sample : VL0820ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABL01

Manual Integrations
 APPROVED

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 8/21/2020 11:24:04 AM

Quant Time: Aug 21 06:14:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1109371	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4894235	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	4851256	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3446157	10.15	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.35	84	12282m	0.119	ppbv	

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

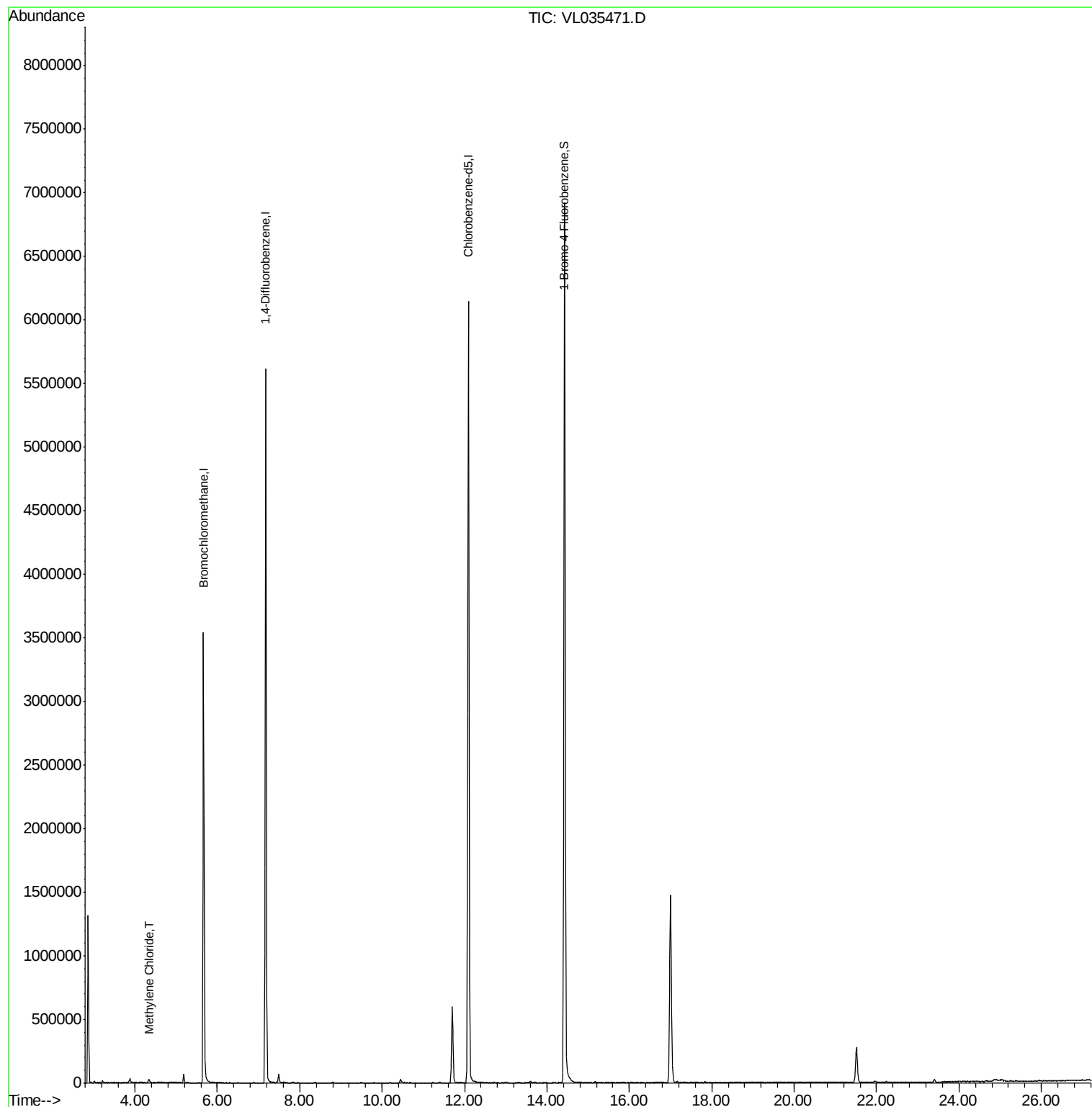
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL035471.D

Acq: 20 Aug 2020 10:33

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABL01

Tot Ion: 49 Resp: 1109371

Ion Ratio Lower Upper

49 100

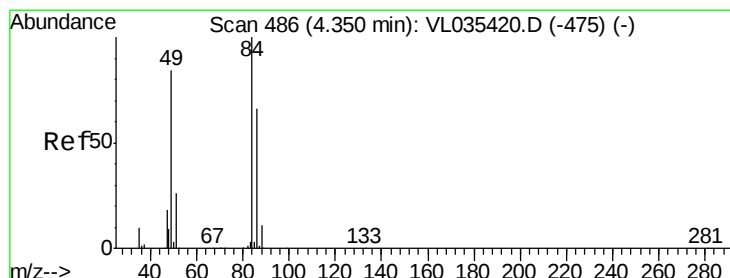
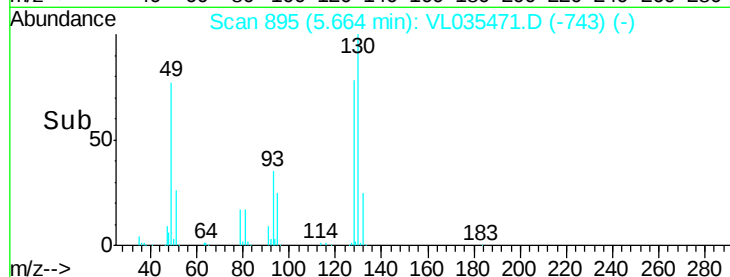
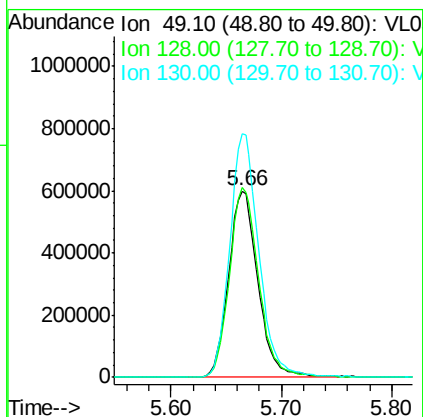
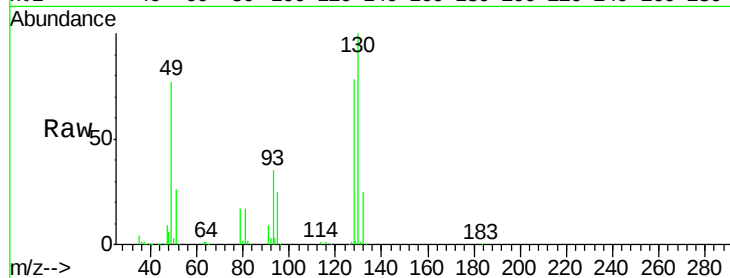
128 102.1 20.9 62.7#

130 130.5 26.7 80.1#

Manual Integrations
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#20

Methylene Chloride

Concen: 0.119 ppbv m

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL035471.D

Acq: 20 Aug 2020 10:33

Tgt Ion: 84 Resp: 12282

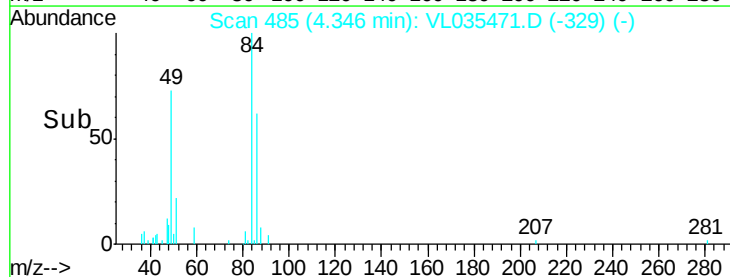
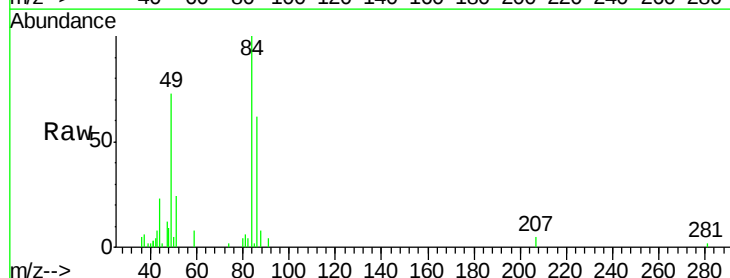
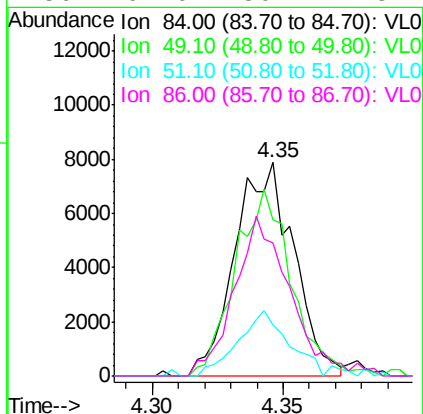
Ion Ratio Lower Upper

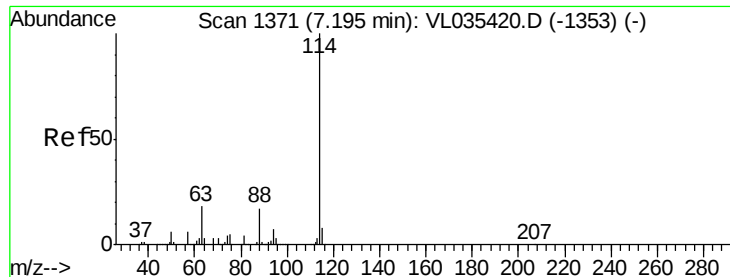
84 100

49 73.0 118.6 177.8#

51 24.0 36.4 54.6#

86 62.0 50.2 75.4





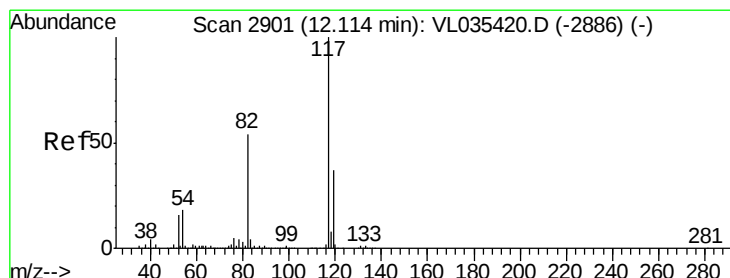
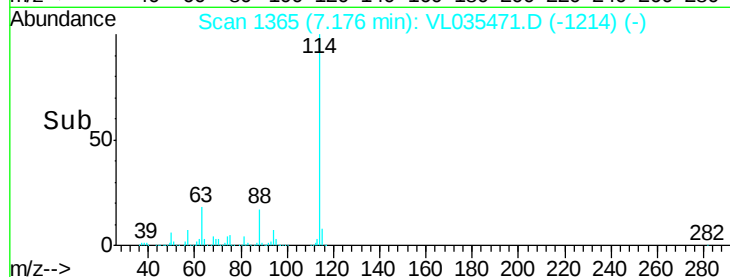
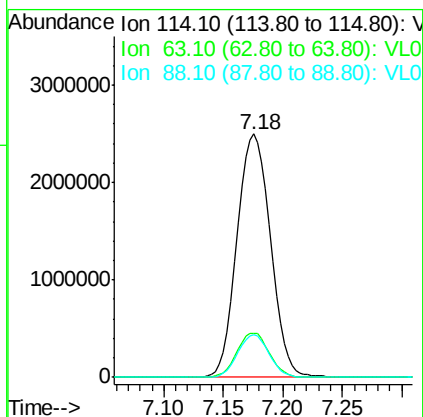
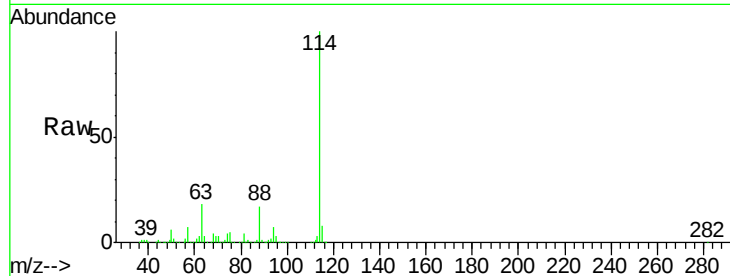
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL035471.D
 Acq: 20 Aug 2020 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABL01

Tot Ion:114 Resp: 4894235
 Ion Ratio Lower Upper
 114 100
 63 17.6 23.1 34.7#
 88 16.5 15.9 23.9

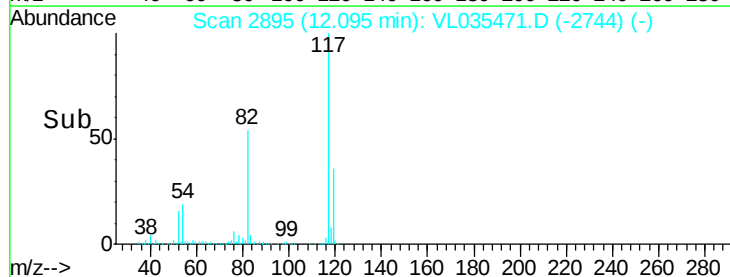
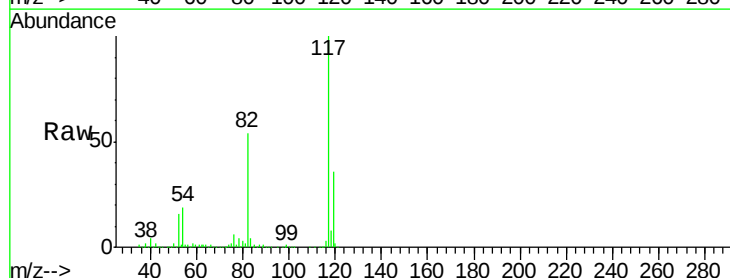
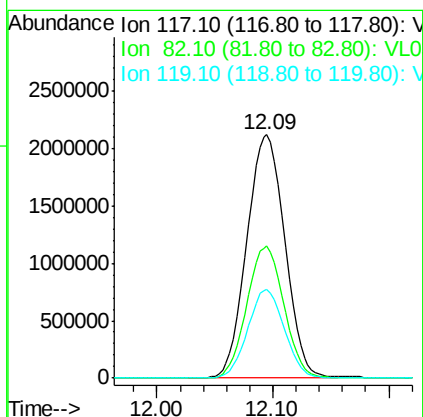
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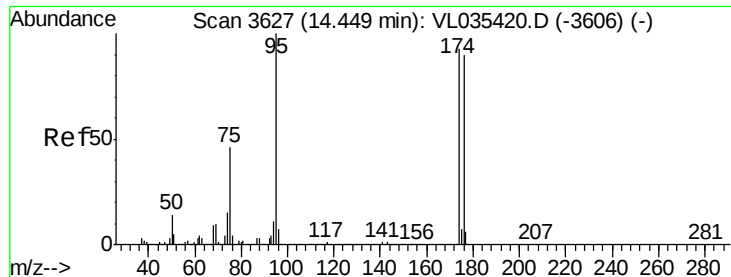
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2895
 Delta R.T. -0.01 min
 Lab File: VL035471.D
 Acq: 20 Aug 2020 10:33

Tgt Ion:117 Resp: 4851256
 Ion Ratio Lower Upper
 117 100
 82 53.2 57.4 86.0#
 119 35.2 28.4 42.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.147 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL035471.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
95	100		
174	92.3	44.0	66.0#
175	6.8	3.2	4.8#

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