

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035254.D
 Acq On : 29 Jul 2020 20:06
 Operator : SY/AP
 Sample : L3463-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Manual Integrations
 APPROVED

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 7/30/2020 6:11:23 PM

Quant Time: Jul 30 11:58:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1172187	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2889111	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2700306	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2149621	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds					Ovalue
13) Ethanol	3.58	45	193111	10.490	ppbv 95
15) Acetone	3.83	43	152319	0.974	ppbv 90
20) Methylene Chloride	4.32	84	121036	1.701	ppbv 92
52) Tetrachloroethene	11.25	164	8790m	0.115	ppbv

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

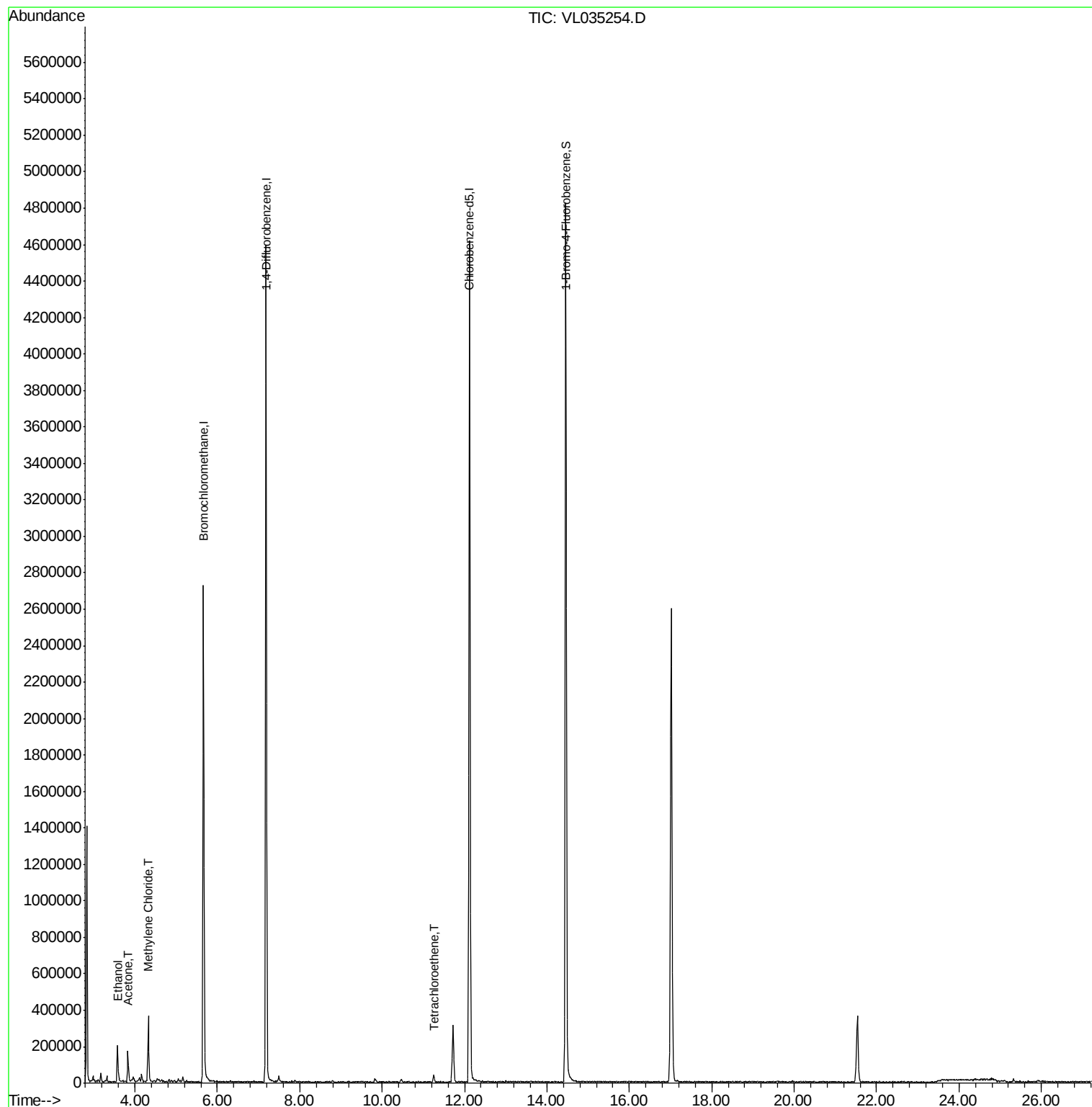
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL072920\
Data File : VL035254.D
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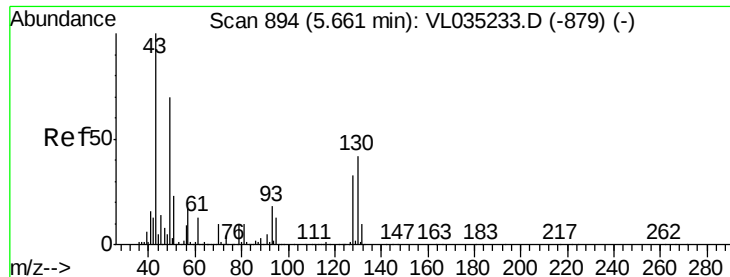
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Jul 30 11:58:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL035254.D

Acq: 29 Jul 2020 20:06

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tot Ion: 49 Resp: 1172187

Ion Ratio Lower Upper

49 100

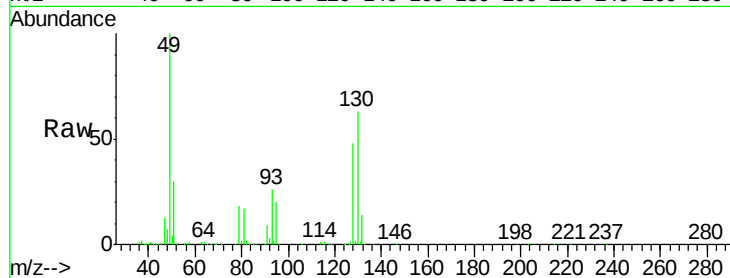
128 50.7 24.0 72.0

130 65.2 30.7 92.1

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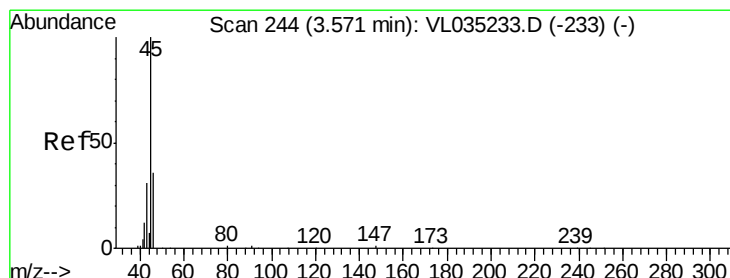
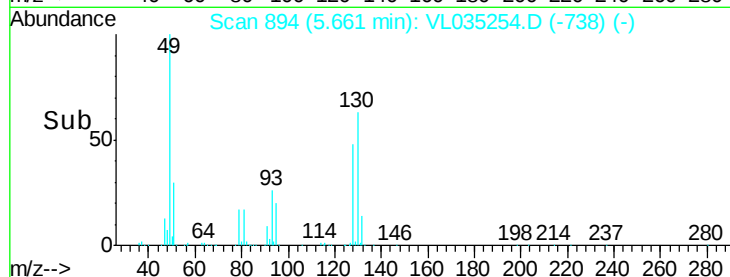
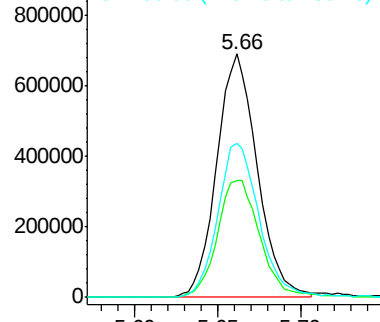
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 10.490 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.01 min

Lab File: VL035254.D

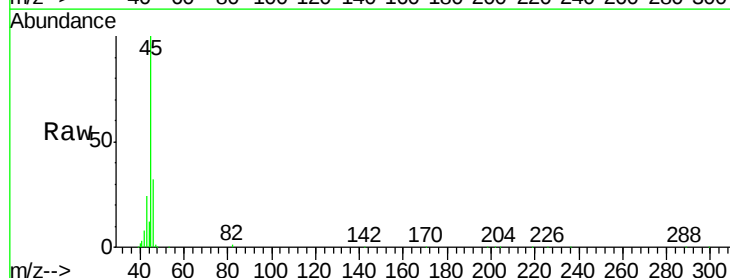
Acq: 29 Jul 2020 20:06

Tgt Ion: 45 Resp: 193111

Ion Ratio Lower Upper

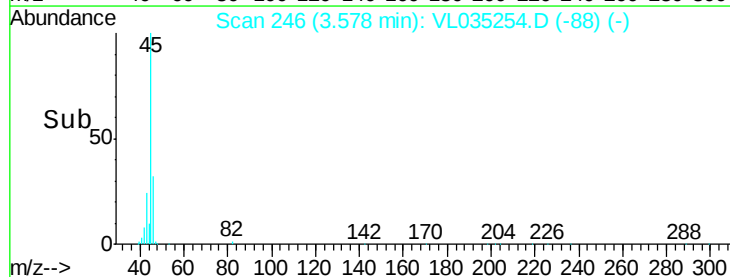
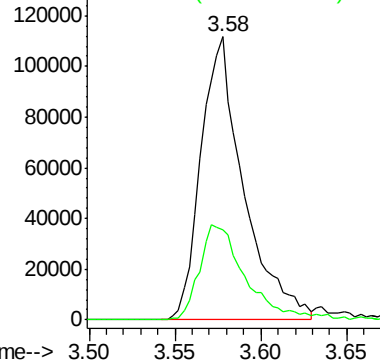
45 100

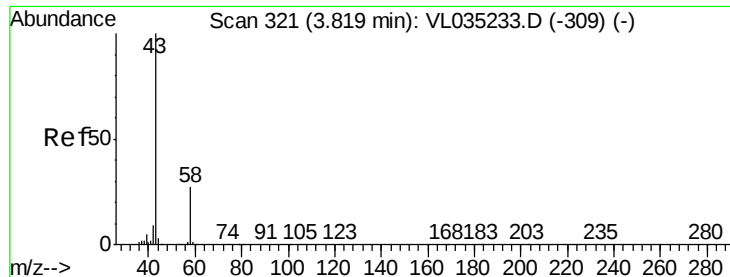
46 36.8 15.8 63.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.974 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.01 min

Lab File: VL035254.D

Acq: 29 Jul 2020 20:06

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tot Ion: 43 Resp: 152319

Ion Ratio Lower Upper

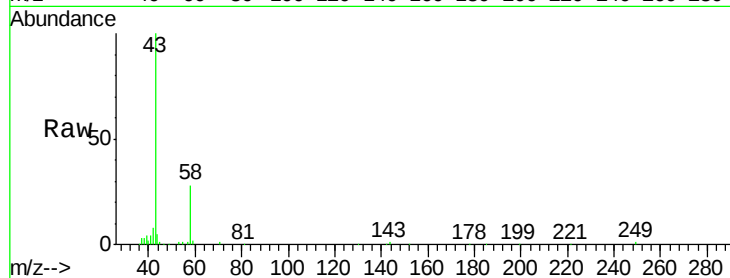
43 100

58 32.2 21.8 32.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

120000

100000

80000

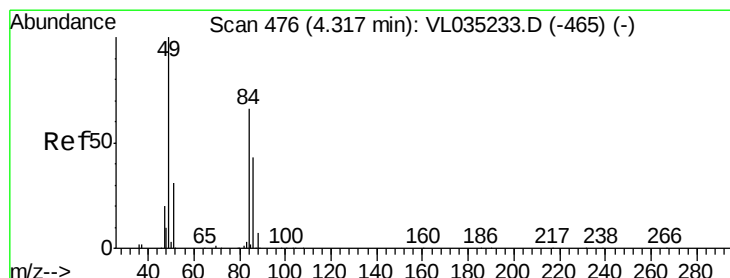
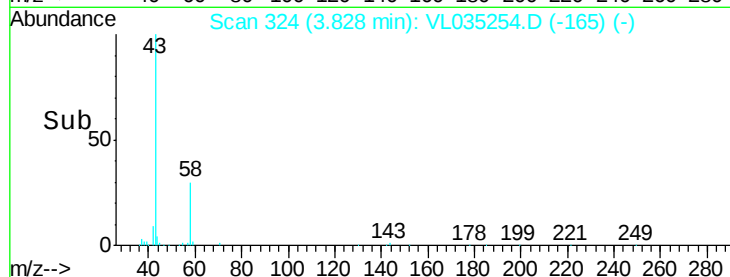
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 1.701 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.00 min

Lab File: VL035254.D

Acq: 29 Jul 2020 20:06

Tgt Ion: 84 Resp: 121036

Ion Ratio Lower Upper

84 100

49 138.4 121.0 181.4

51 48.0 37.7 56.5

86 59.0 52.2 78.4

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

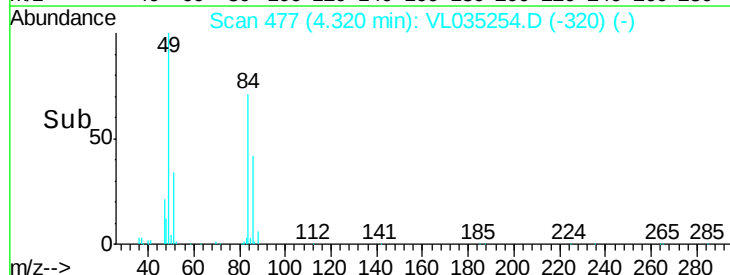
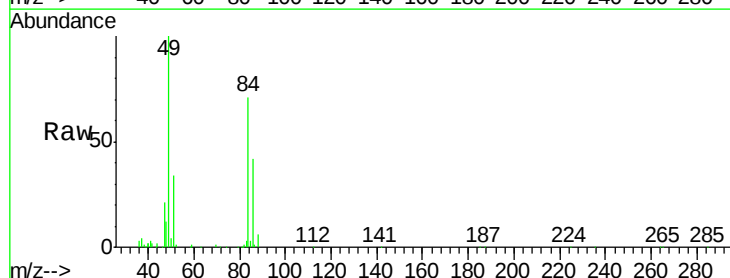
150000

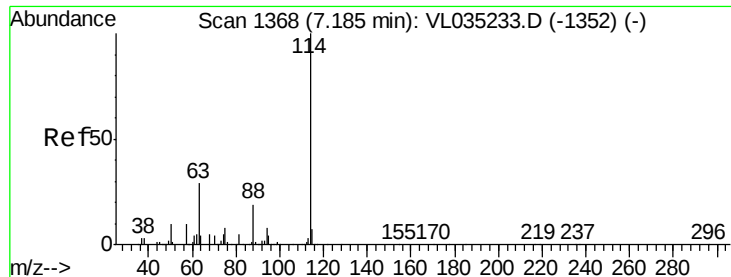
100000

50000

0

Time-->





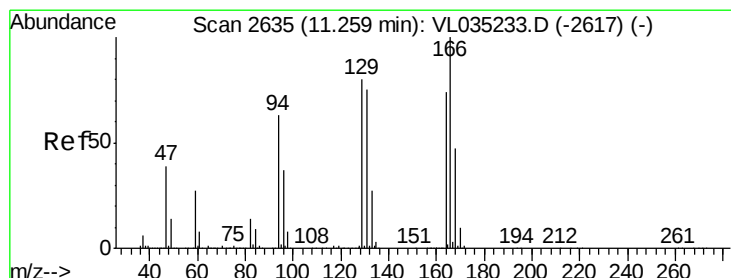
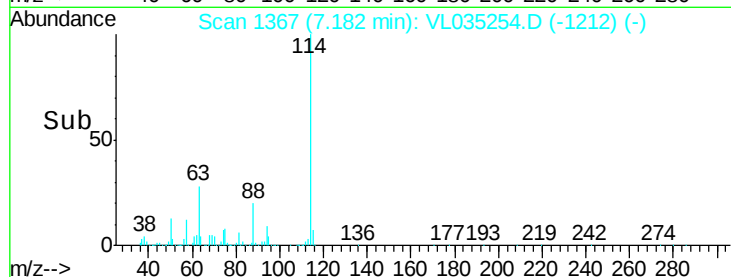
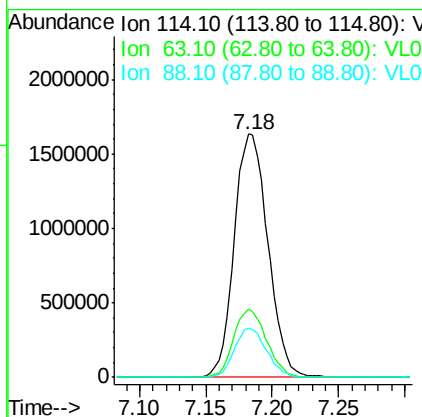
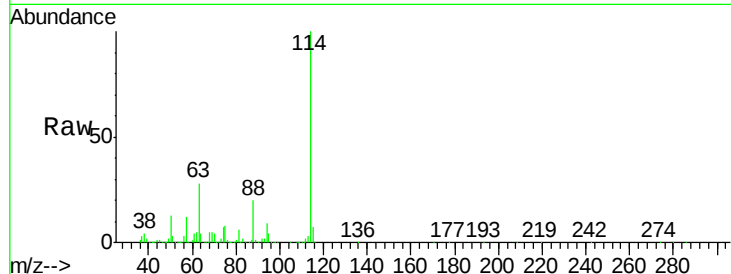
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL035254.D
Acq: 29 Jul 2020 20:06

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.2	33.2
88	19.3	15.4	23.0

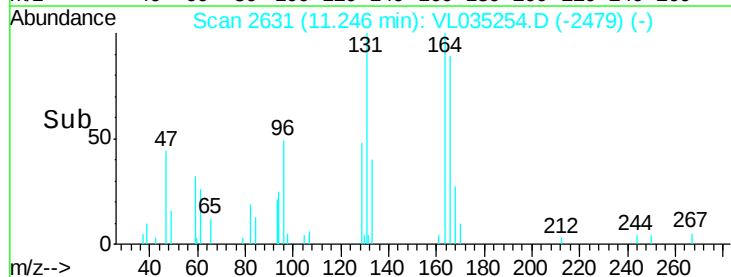
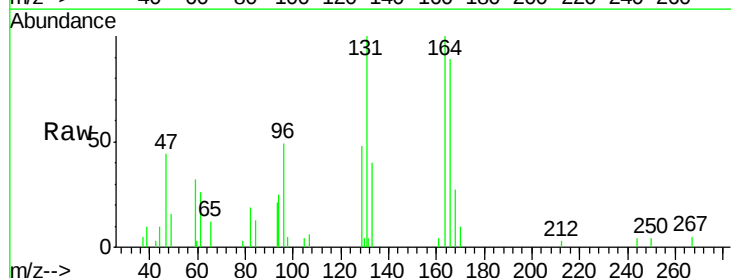
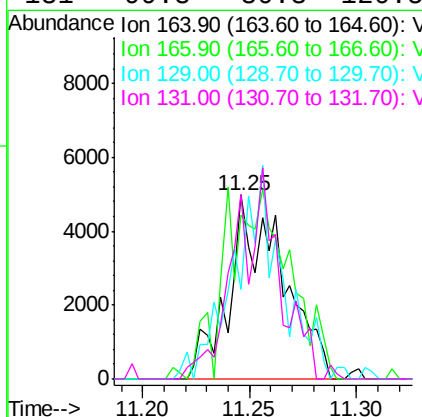
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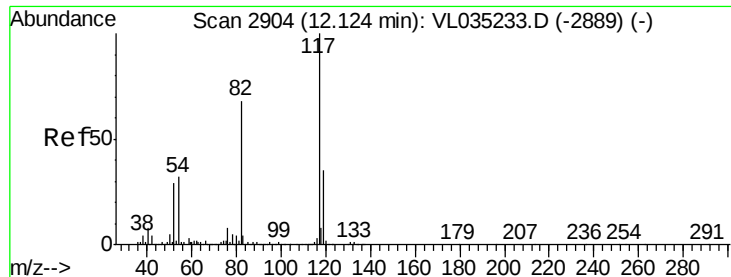
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#52
Tetrachloroethene
Concen: 0.115 ppbv m
RT: 11.25 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL035254.D
Acq: 29 Jul 2020 20:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	89.0	107.5	161.3#
129	48.4	86.0	129.0#
131	99.8	80.3	120.5





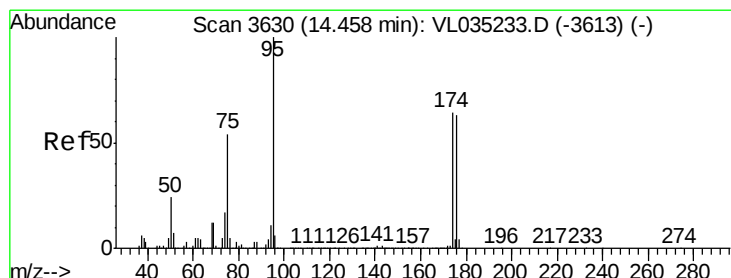
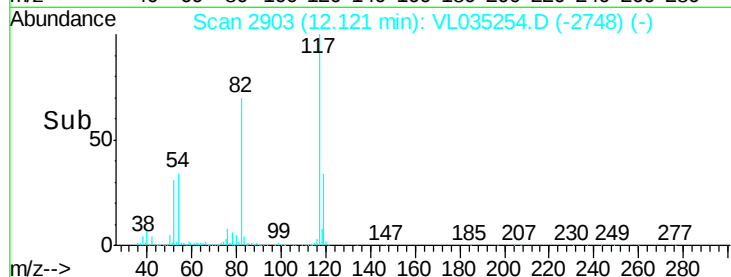
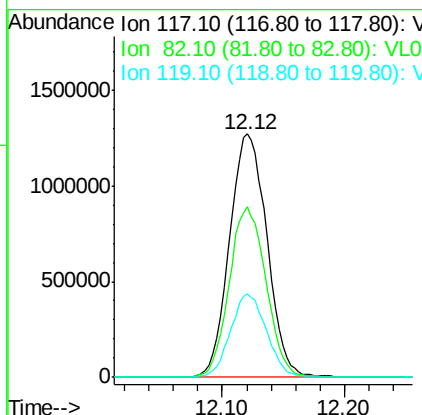
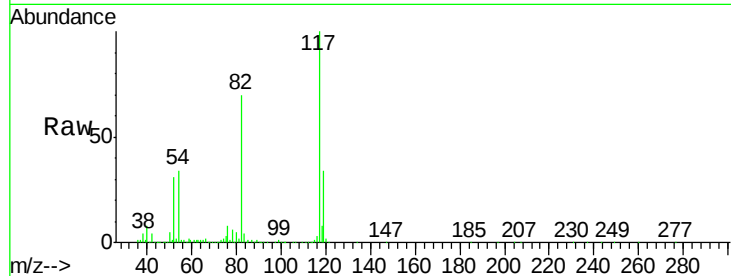
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL035254.D
Acq: 29 Jul 2020 20:06

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.4	52.4	78.6
119	33.2	24.6	36.8

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.962 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.00 min
Lab File: VL035254.D
Acq: 29 Jul 2020 20:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.3	52.7	79.1
175	4.7	3.9	5.9

