

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035823.D
 Acq On : 4 Nov 2020 3:46
 Operator : SY/AP
 Sample : L4610-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

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 11/5/2020 2:14:39 PM

Quant Time: Nov 04 06:27:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 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	5.64	49	1198750	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	5184249	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4803185	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3392433	9.94	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds						Ovalue
9) Propene	2.99	41	19791	0.377	ppbv	98
13) Ethanol	3.60	45	6717m	0.589	ppbv	
15) Acetone	3.85	43	39642	0.309	ppbv #	50
20) Methylene Chloride	4.32	84	23568	0.261	ppbv #	93

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

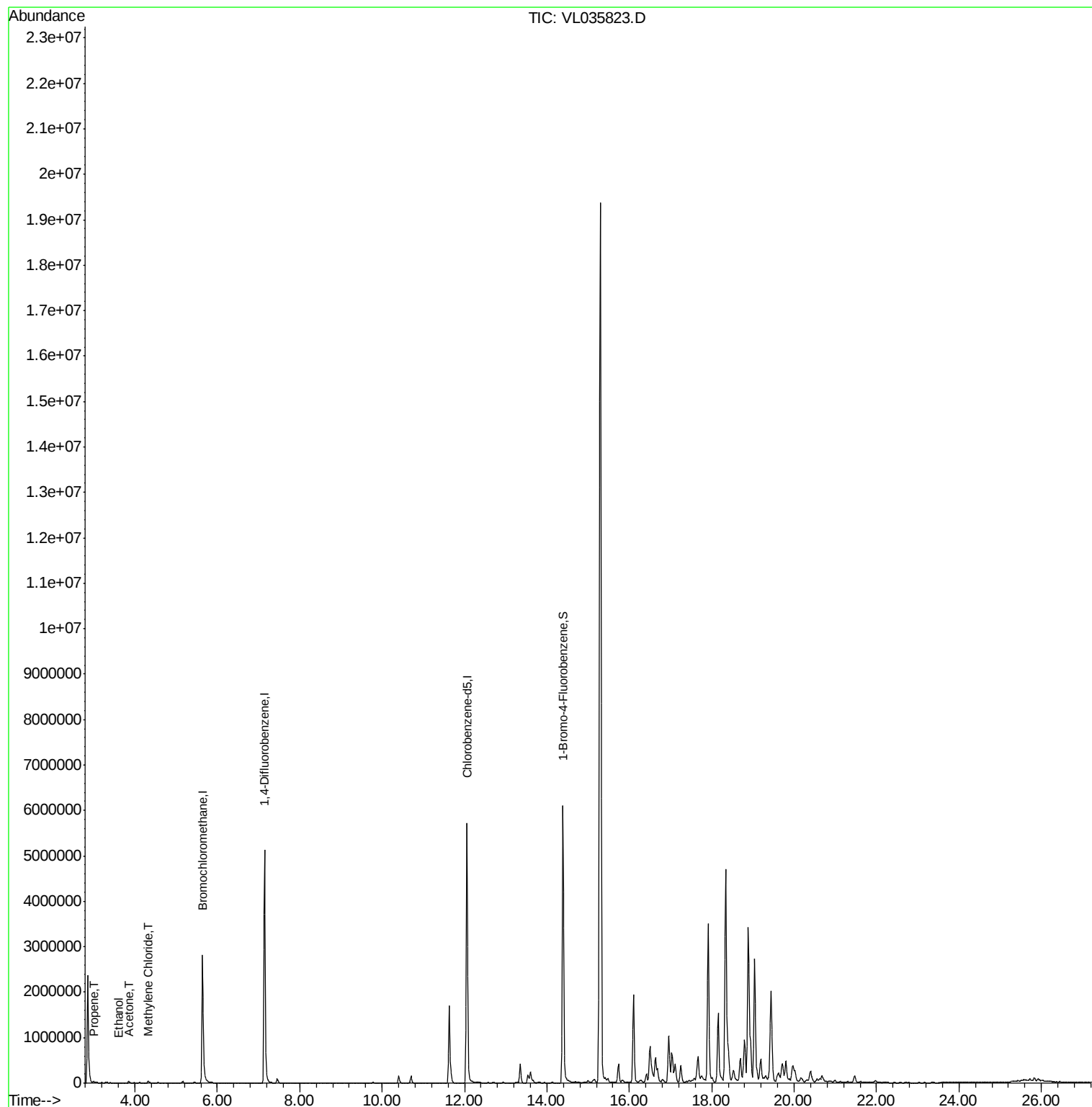
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110320\
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035823.D

Acq: 4 Nov 2020 3:46

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tot Ion: 49 Resp: 1198750

Ion Ratio Lower Upper

49 100

128 90.6 41.5 124.6

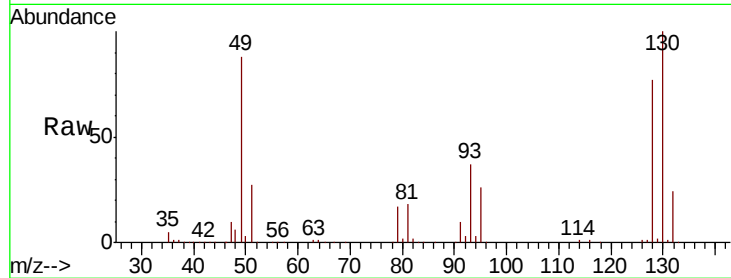
130 116.9 53.7 161.1

Manual Integrations

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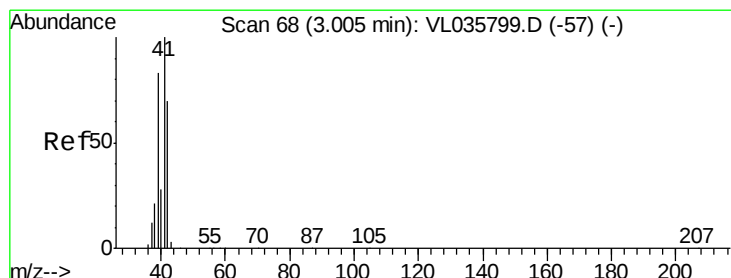
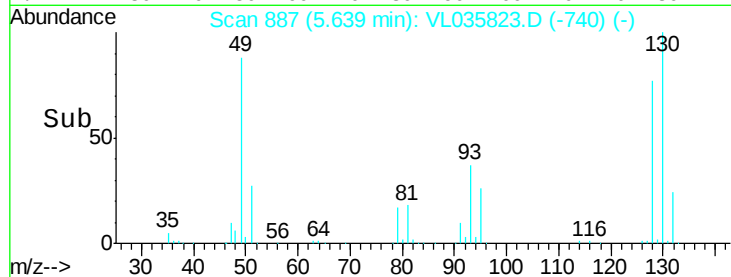
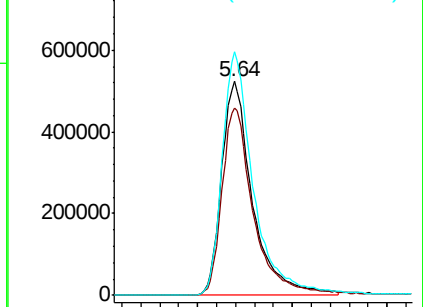
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.377 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL035823.D

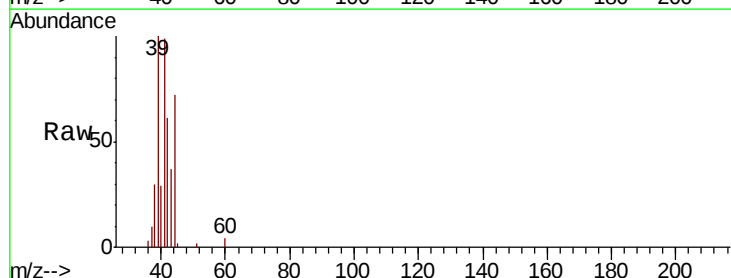
Acq: 4 Nov 2020 3:46

Tgt Ion: 41 Resp: 19791

Ion Ratio Lower Upper

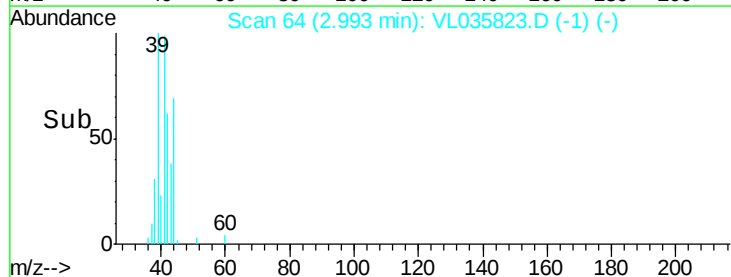
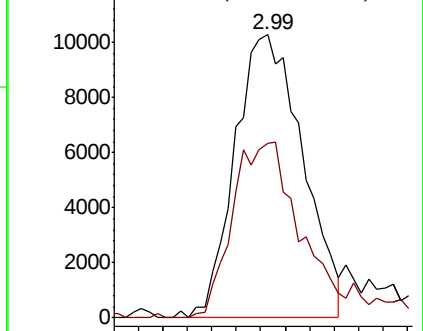
41 100

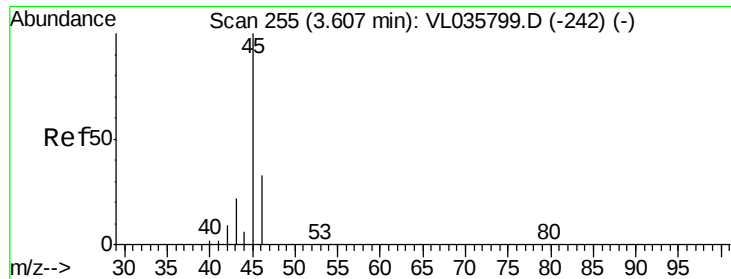
42 69.1 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





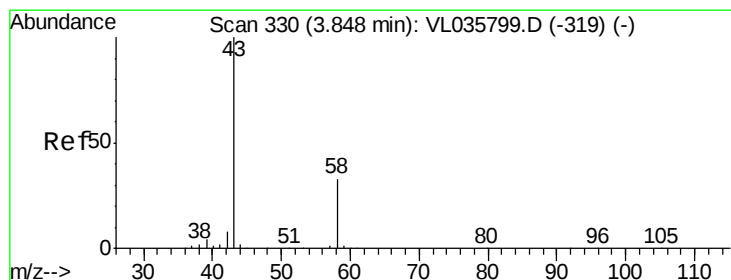
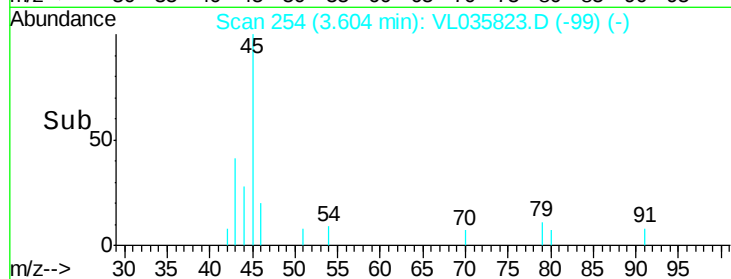
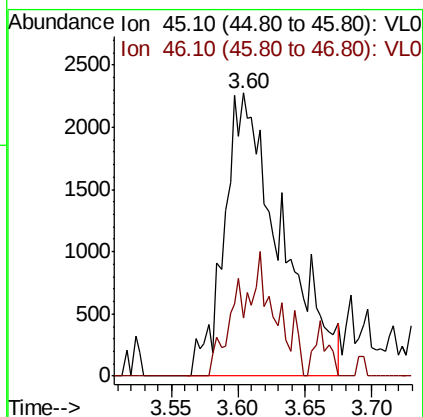
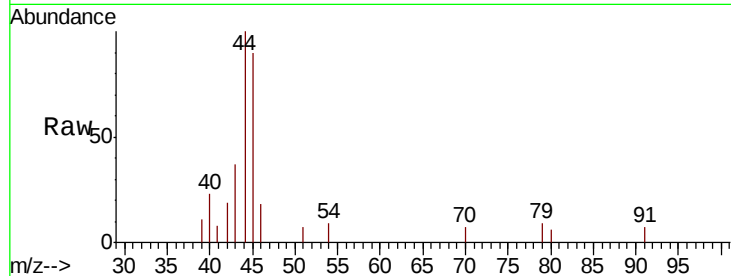
#13
Ethanol
Concen: 0.589 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL035823.D
Acq: 4 Nov 2020 3:46

Instrument :
MSVOA_L
ClientSampled :
SV2DL

Tot Ion: 45 Resp: 6717
Ion Ratio Lower Upper
45 100
46 0.0 16.1 64.5#

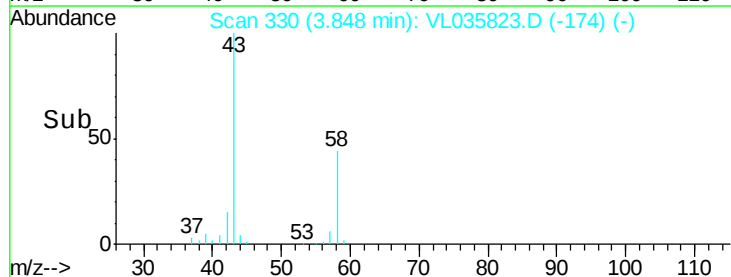
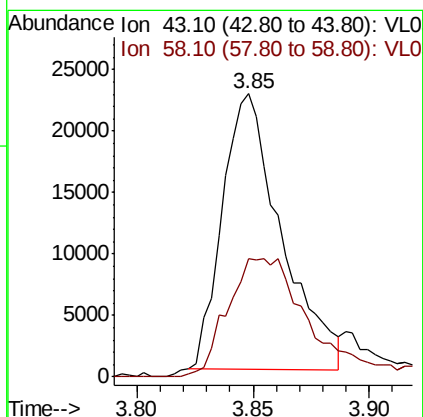
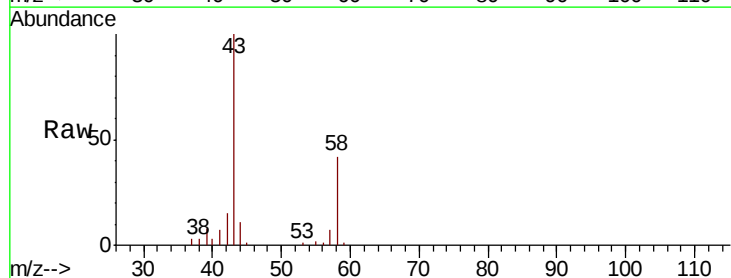
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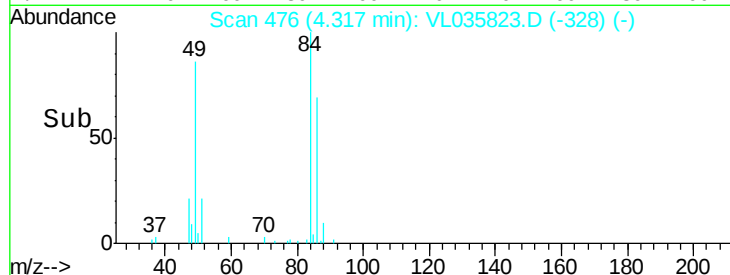
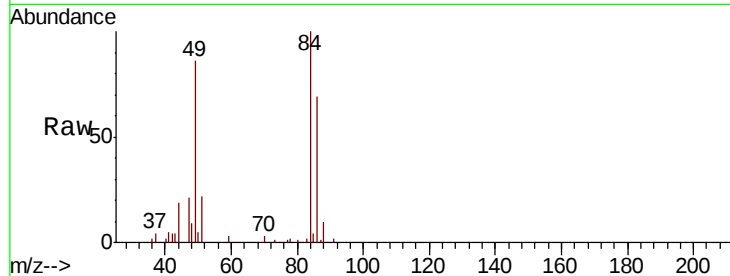
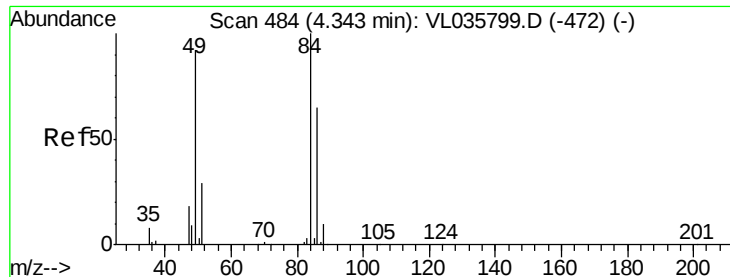
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#15
Acetone
Concen: 0.309 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL035823.D
Acq: 4 Nov 2020 3:46

Tgt Ion: 43 Resp: 39642
Ion Ratio Lower Upper
43 100
58 62.9 27.5 41.3#





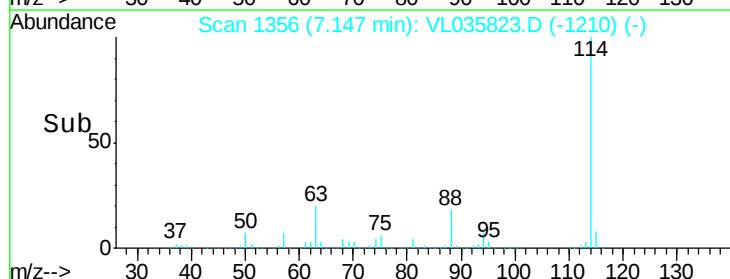
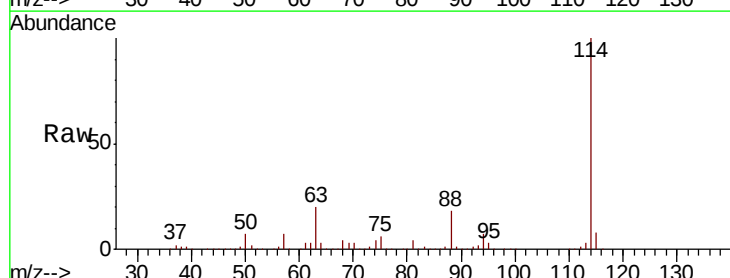
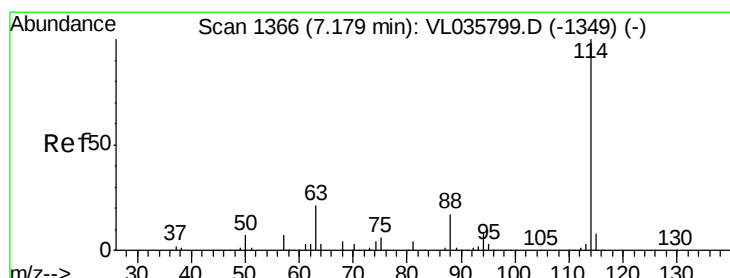
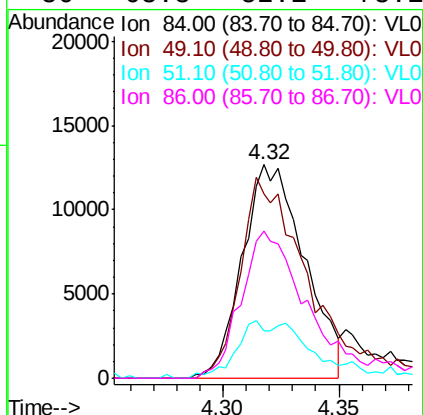
#20
Methvlene Chloride
Concen: 0.261 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.03 min
Lab File: VL035823.D
Acq: 4 Nov 2020 3:46

Tot Ion:	84	Resp:	23568
Ion	Ratio	Lower	Upper
84	100		
49	86.0	73.8	110.8
51	22.4	23.0	34.4#
86	68.8	52.1	78.1

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

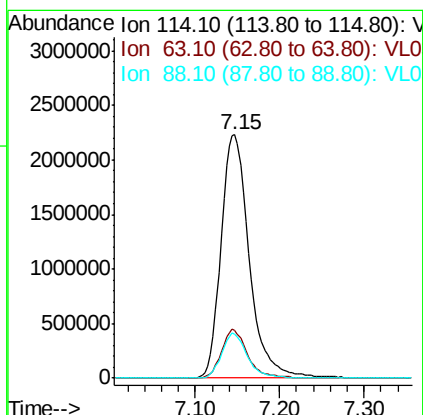
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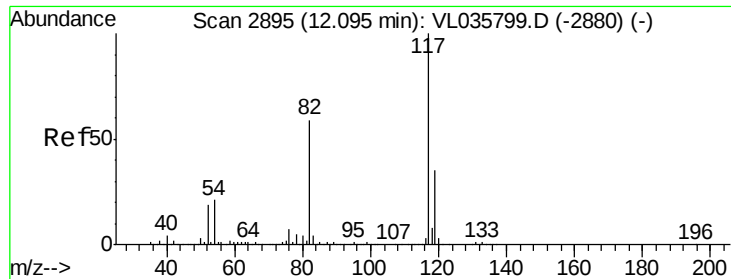
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL035823.D
Acq: 4 Nov 2020 3:46

Tgt Ion:	114	Resp:	5184249
Ion	Ratio	Lower	Upper
114	100		
63	18.5	16.1	24.1
88	17.0	13.7	20.5





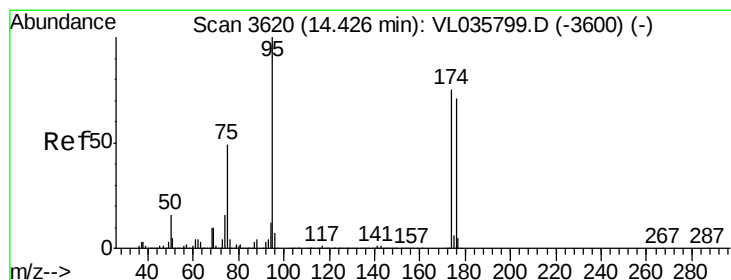
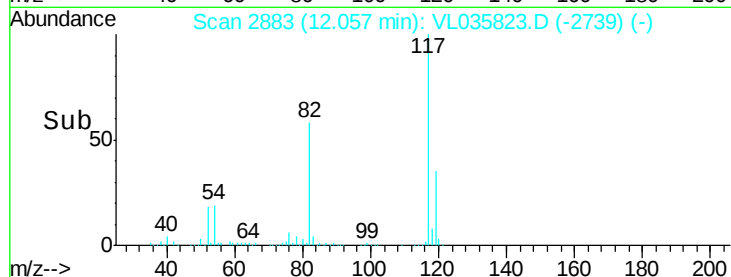
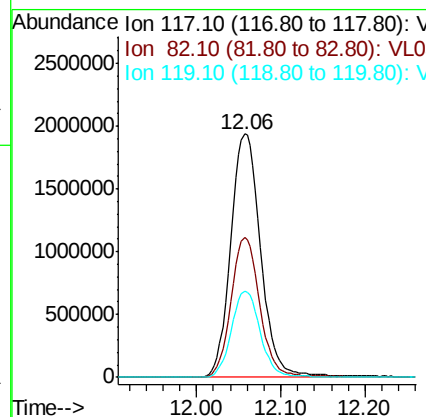
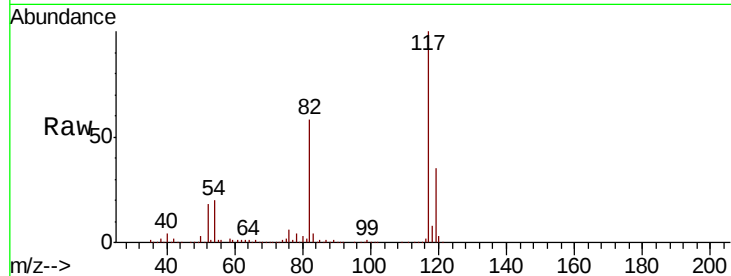
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL035823.D
Acq: 4 Nov 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	50.6	76.0
119	34.7	52.6	78.8#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.941 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.04 min
Lab File: VL035823.D
Acq: 4 Nov 2020 3:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	59.8	89.6
175	5.4	4.3	6.5

