

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036354.D
 Acq On : 24 Feb 2021 17:20
 Operator : SY/AP
 Sample : M1463-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-12DL

Manual Integrations
 APPROVED

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 2/26/2021 4:17:13 PM

Quant Time: Feb 26 13:58:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1744561	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3624271	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3362101	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2824620	10.21	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	61288m	4.037	ppbv	
15) Acetone	3.87	43	142314m	0.667	ppbv	
20) Methylene Chloride	4.35	84	564898	8.211	ppbv	95
26) Hexane	5.70	57	119270m	0.705	ppbv	

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

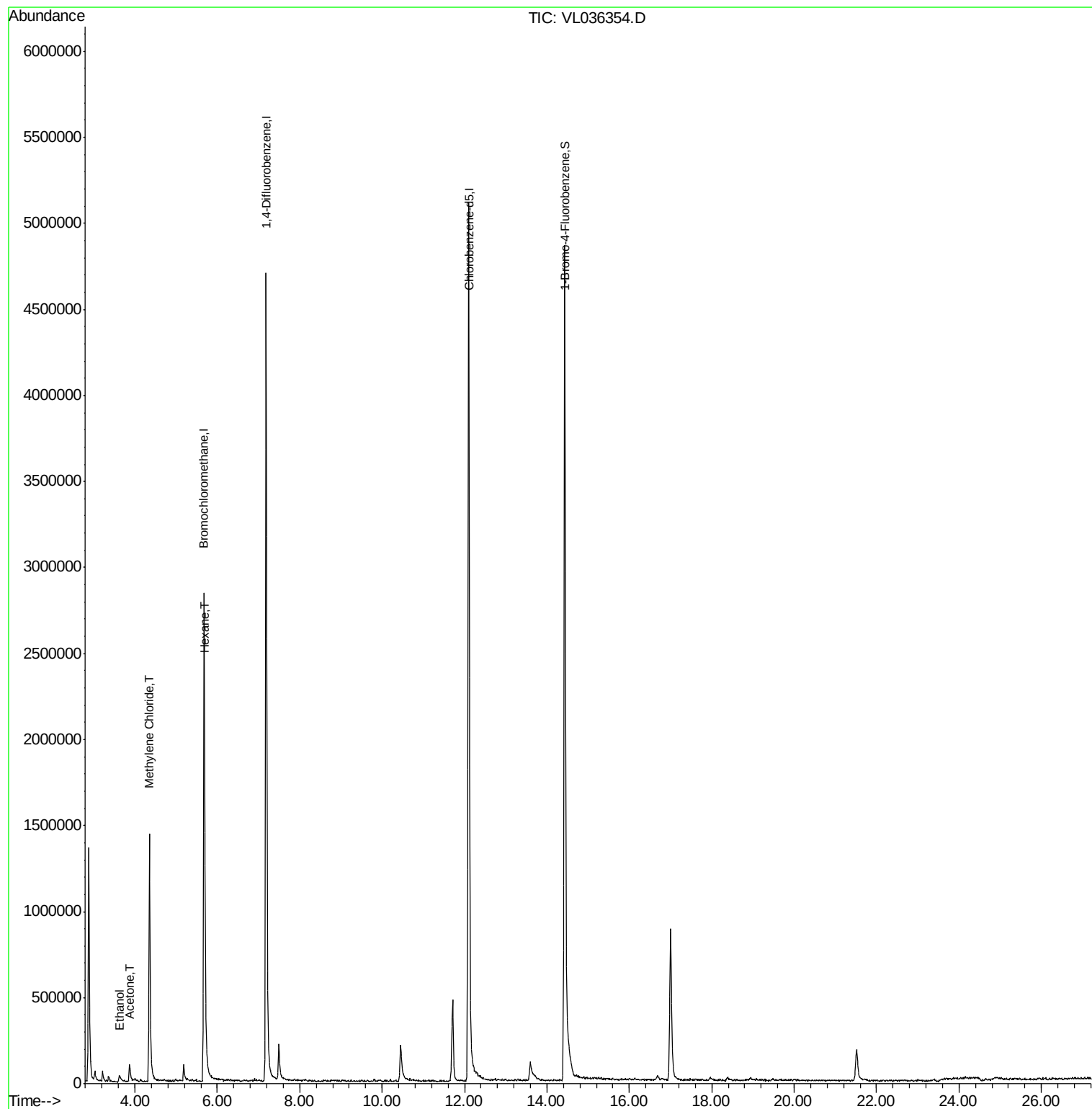
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
Data File : VL036354.D
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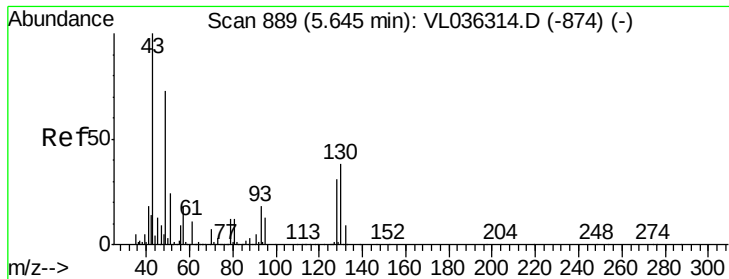
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Feb 26 13:58:39 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL036354.D

Acq: 24 Feb 2021 17:20

Instrument :

MSVOA_L

ClientSampleId :

NS-12DL

Tot Ion: 49 Resp: 1744561

Ion Ratio Lower Upper

49 100

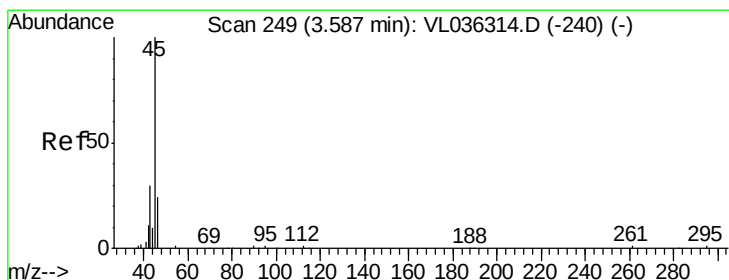
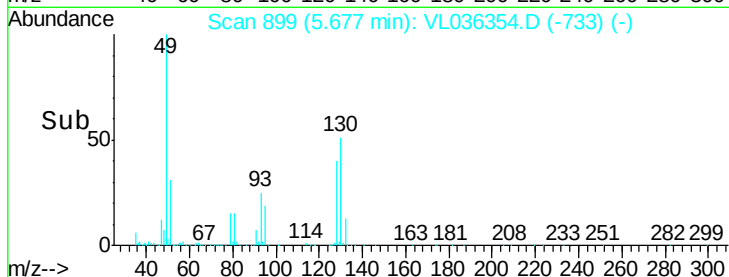
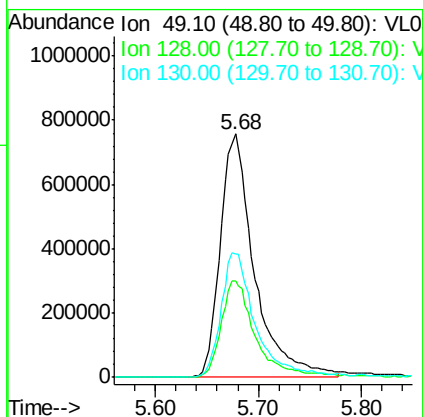
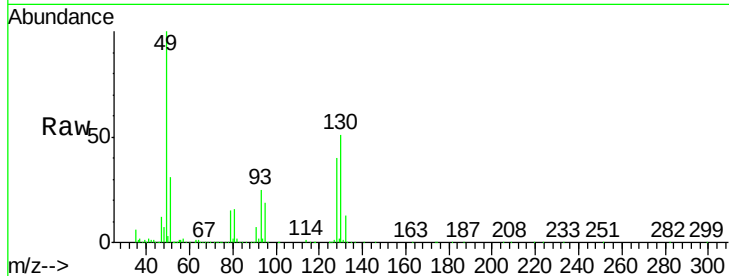
128 40.7 20.8 62.5

130 52.5 26.7 80.1

Manual Integrations
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#13

Ethanol

Concen: 4.037 ppbv m

RT: 3.63 min Scan# 261

Delta R.T. 0.04 min

Lab File: VL036354.D

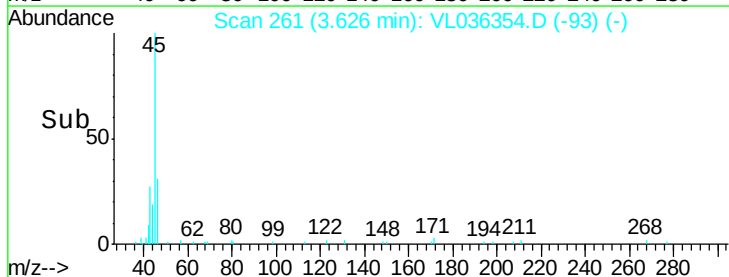
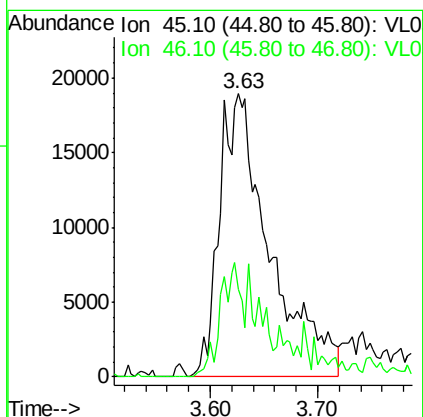
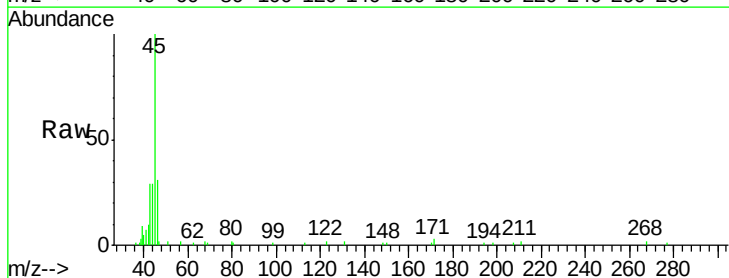
Acq: 24 Feb 2021 17:20

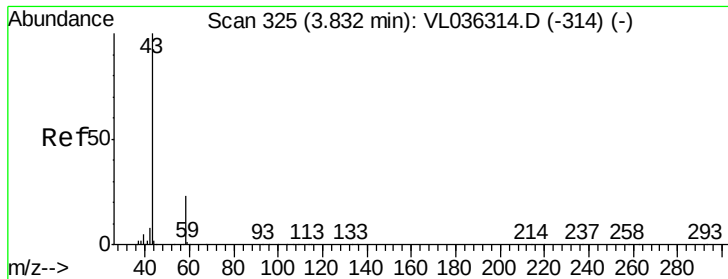
Tgt Ion: 45 Resp: 61288

Ion Ratio Lower Upper

45 100

46 0.0 17.7 70.7#





#15

Acetone

Concen: 0.667 ppbv m

RT: 3.87 min Scan# 336

Delta R.T. 0.04 min

Lab File: VL036354.D

Acq: 24 Feb 2021 17:20

Instrument :

MSVOA_L

ClientSampleId :

NS-12DL

Tot Ion: 43 Resp: 142314

Ion Ratio Lower Upper

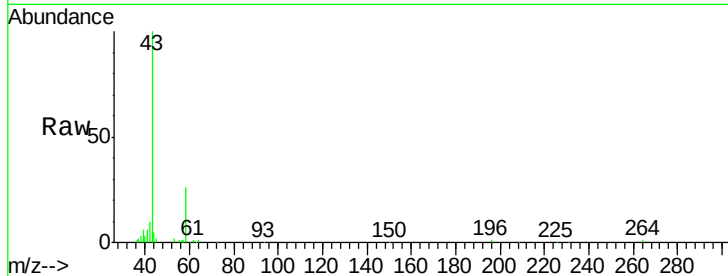
43 100

58 33.9 20.3 30.5#

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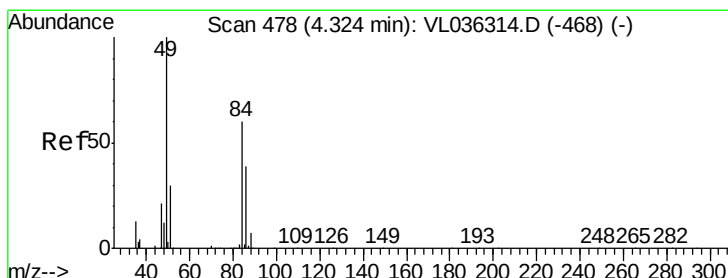
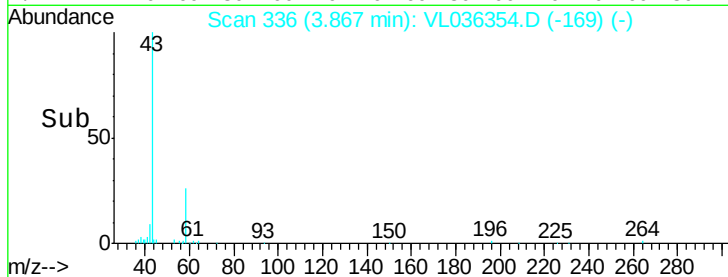
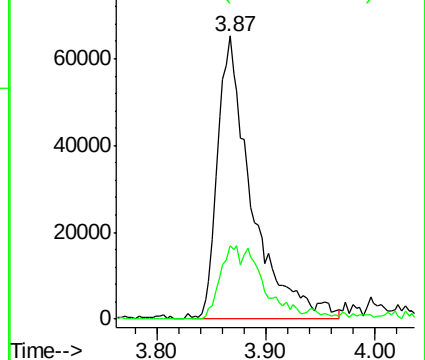
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.211 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.03 min

Lab File: VL036354.D

Acq: 24 Feb 2021 17:20

Tgt Ion: 84 Resp: 564898

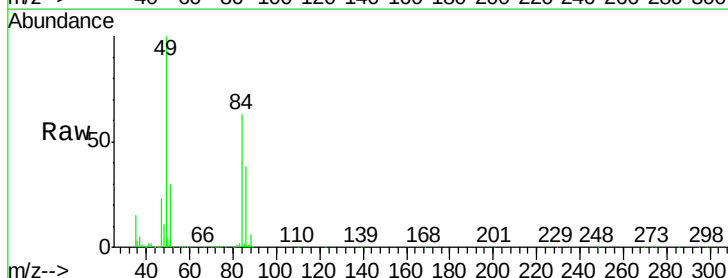
Ion Ratio Lower Upper

84 100

49 159.5 133.8 200.8

51 48.1 41.4 62.0

86 60.7 51.5 77.3

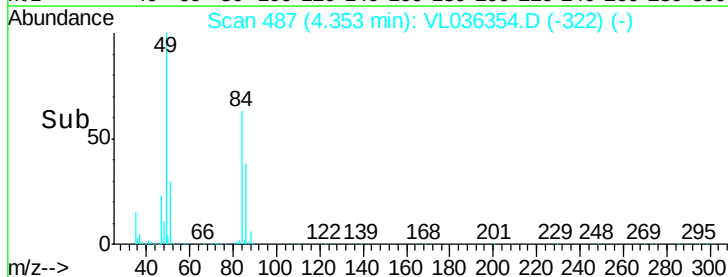
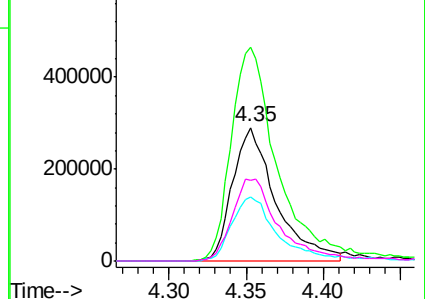


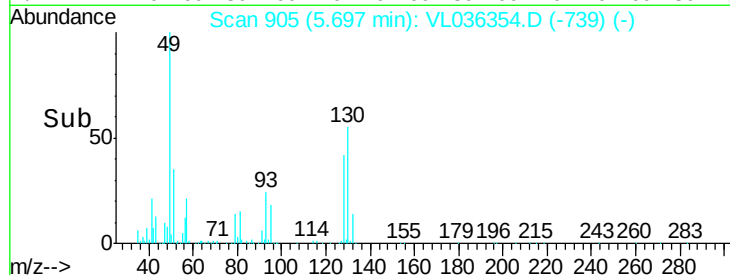
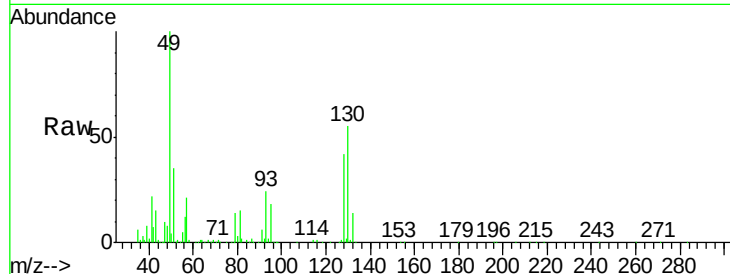
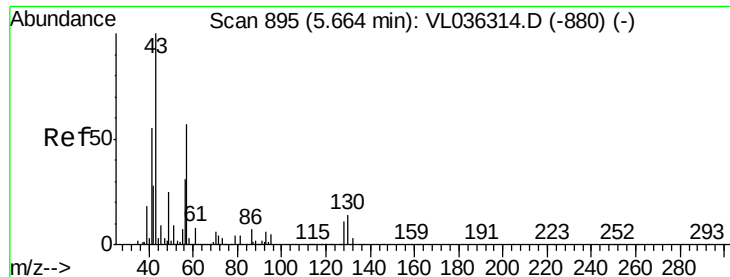
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





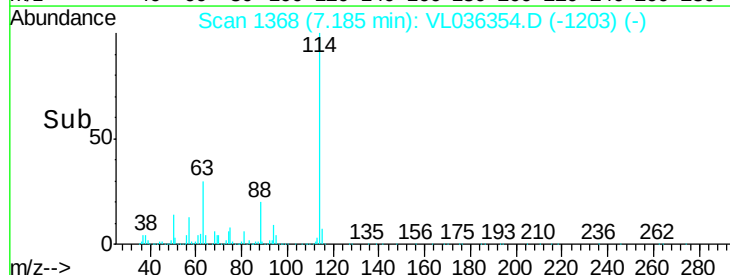
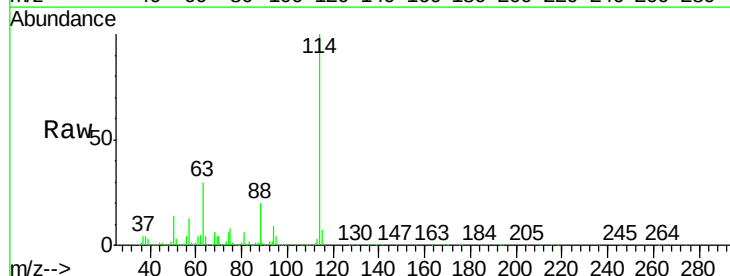
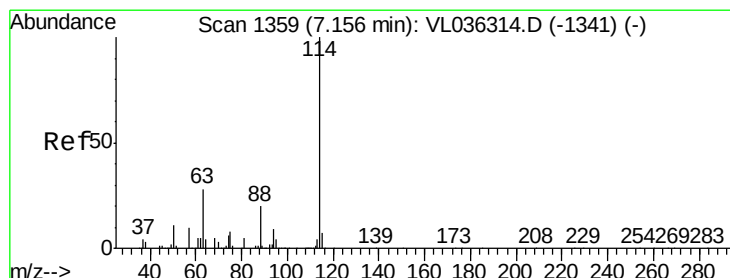
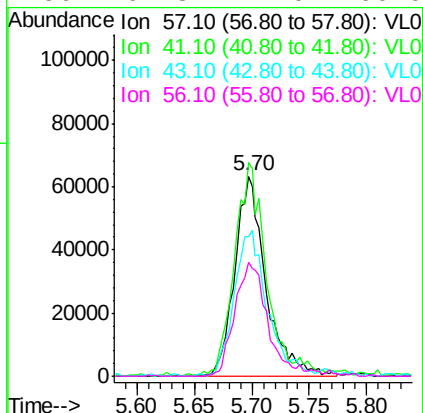
#26
Hexane
Concen: 0.705 ppbv m
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL036354.D
Acq: 24 Feb 2021 17:20

Tot Ion	57	Resp	119270
Ion	Ratio	Lower	Upper
57	100		
41	112.7	81.7	122.5
43	80.4	199.1	298.7#
56	61.8	44.0	66.0

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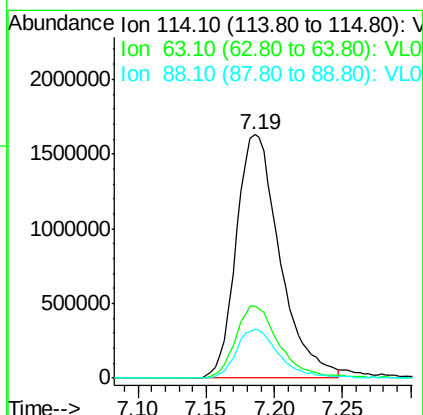
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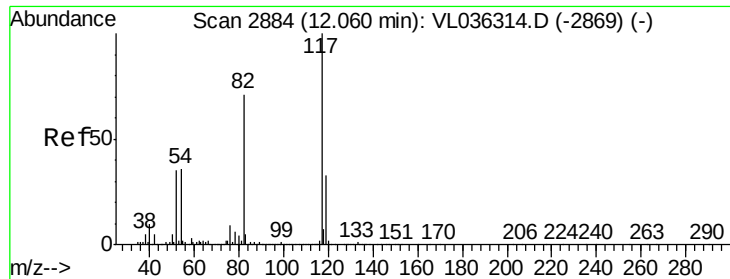
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VL036354.D
Acq: 24 Feb 2021 17:20

Tgt Ion	114	Resp	3624271
Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.1	36.1
88	20.1	16.0	24.0





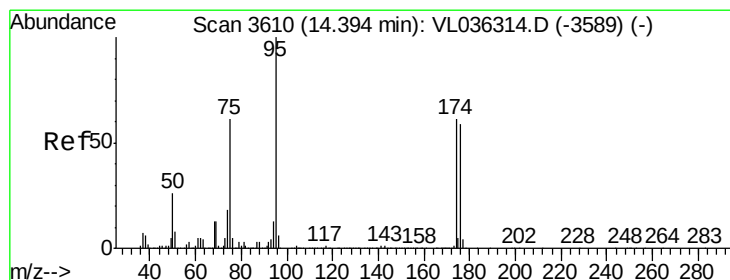
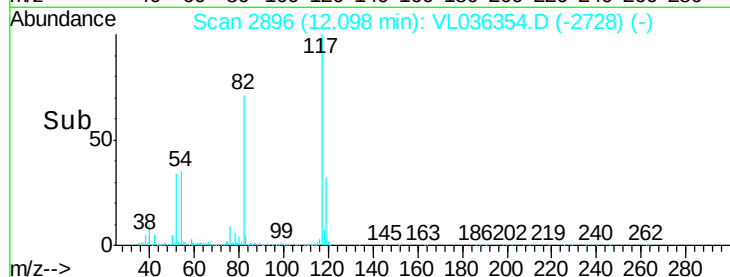
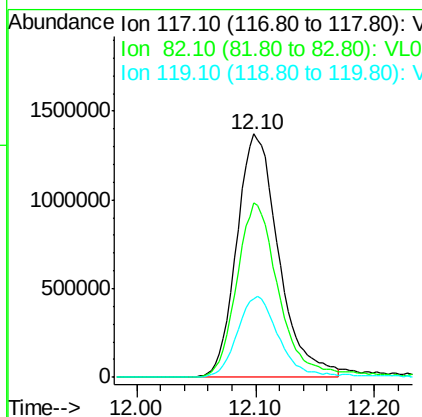
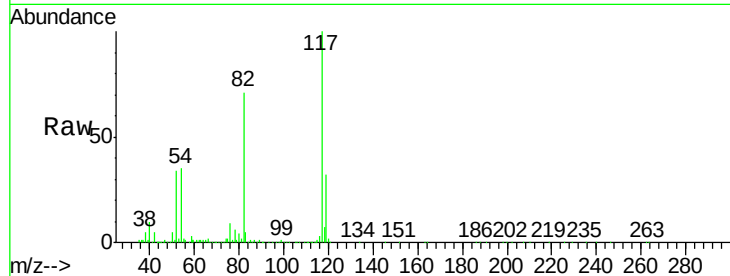
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.04 min
Lab File: VL036354.D
Acq: 24 Feb 2021 17:20

Instrument :
MSVOA_L
ClientSampleId :
NS-12DL

Tot Ion:117 Resp: 3362101
Ion Ratio Lower Upper
117 100
82 73.7 59.1 88.7
119 33.8 46.3 69.5#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.211 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. 0.04 min
Lab File: VL036354.D
Acq: 24 Feb 2021 17:20

Tgt Ion: 95 Resp: 2824620
Ion Ratio Lower Upper
95 100
174 62.0 49.8 74.6
175 4.5 3.7 5.5

