

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036322.D
 Acq On : 10 Feb 2021 17:59
 Operator : SY/AP
 Sample : VL0210ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 11 06:10:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.65	49	1513586	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3335374	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3027210	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2466958	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

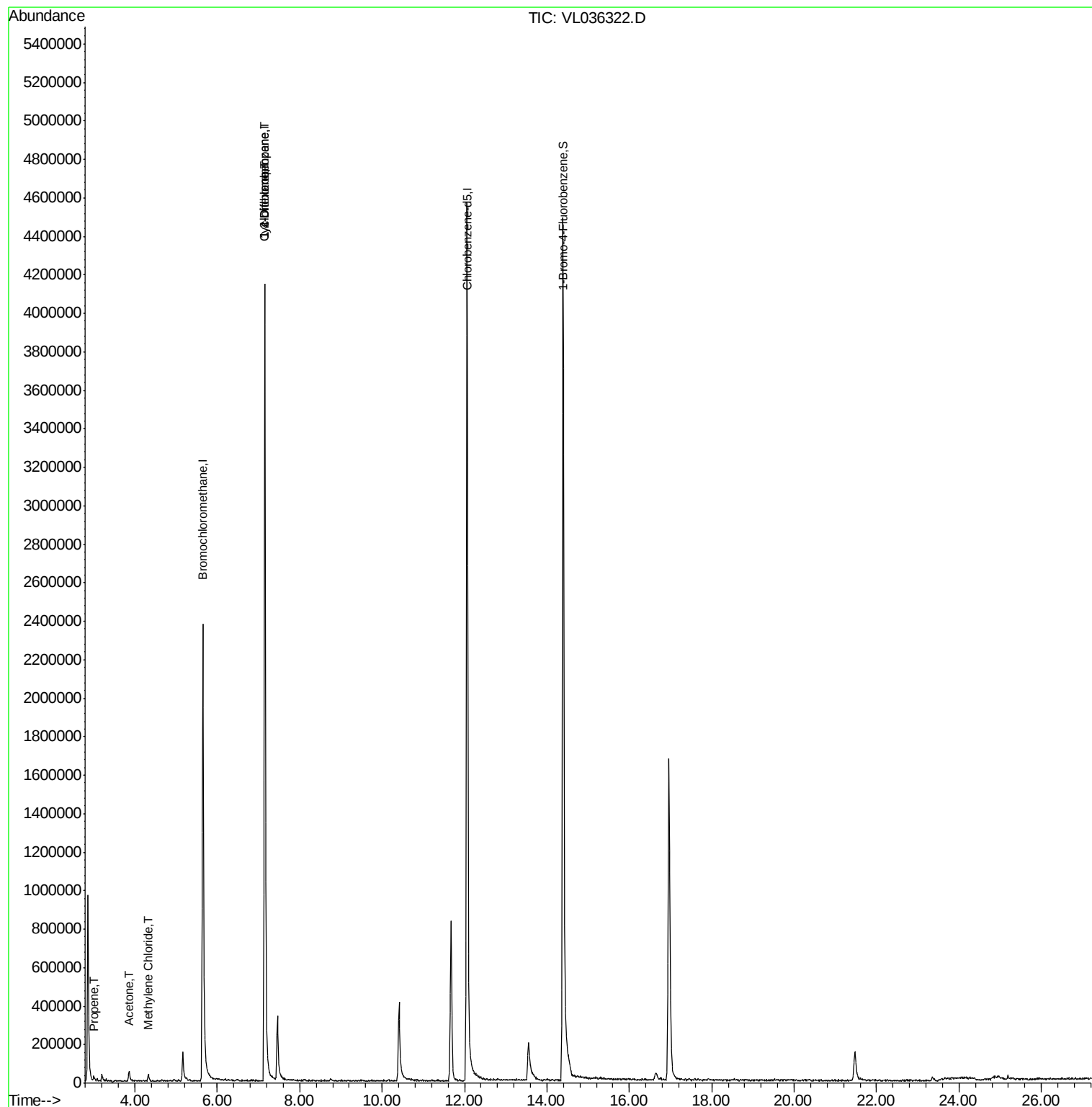
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	4705	0.067	ppbv #	21
15) Acetone	3.85	43	51711	0.279	ppbv #	1
20) Methylene Chloride	4.32	84	6119	0.103	ppbv #	67
30) Cyclohexane	7.14	84	5232	0.043	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	964931	8.384	ppbv #	24

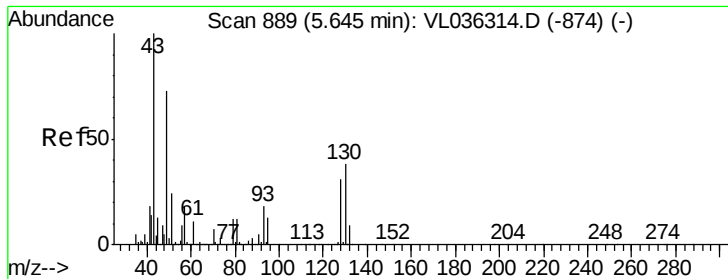
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL036322.D

Acq: 10 Feb 2021 17:59

Instrument :

MSVOA_L

ClientSampled :

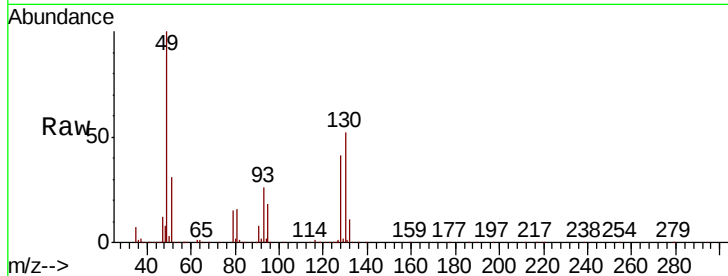
Tot Ion: 49 Resp: 1513586

Ion Ratio Lower Upper

49 100

128 41.7 20.8 62.5

130 54.4 26.7 80.1



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

800000

600000

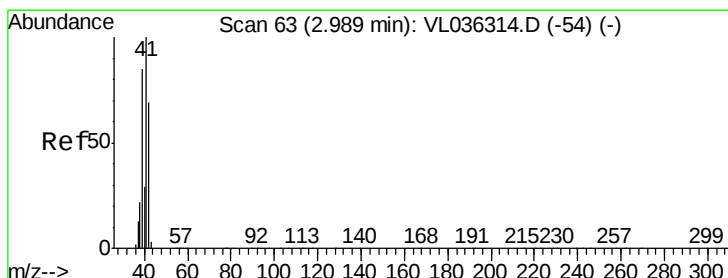
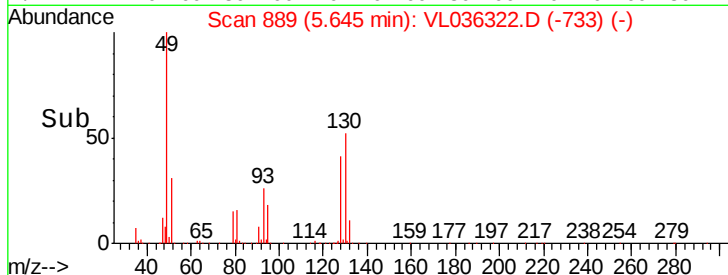
400000

200000

0

5.55 5.60 5.65 5.70 5.75

Time-->



#9

Propene

Concen: 0.067 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036322.D

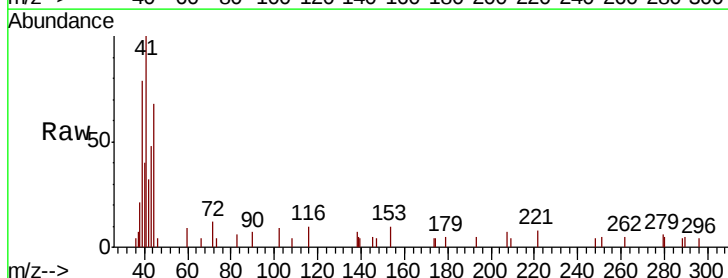
Acq: 10 Feb 2021 17:59

Tgt Ion: 41 Resp: 4705

Ion Ratio Lower Upper

41 100

42 134.8 56.2 84.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

4000

3000

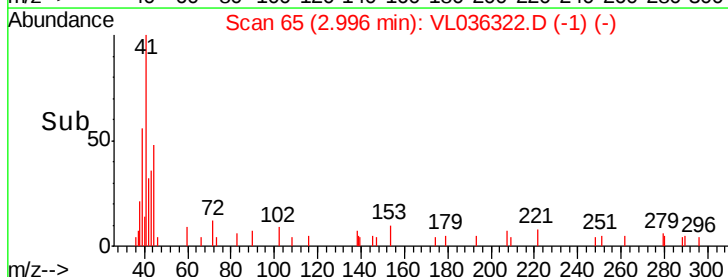
2000

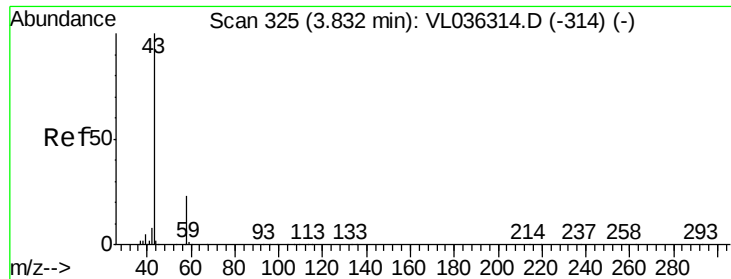
1000

0

2.98 3.00

Time-->





#15

Acetone

Concen: 0.279 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL036322.D

Acq: 10 Feb 2021 17:59

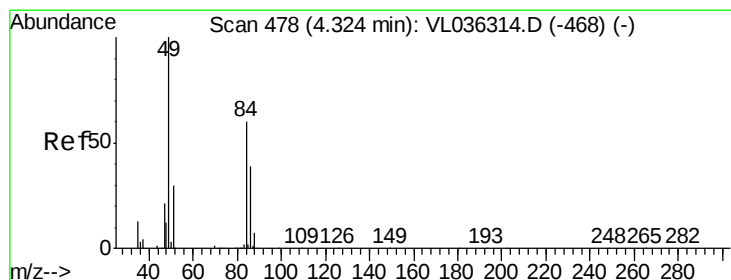
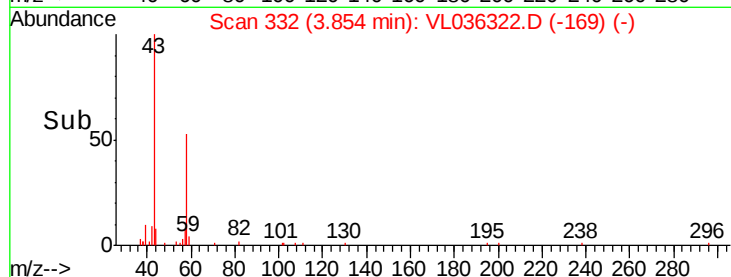
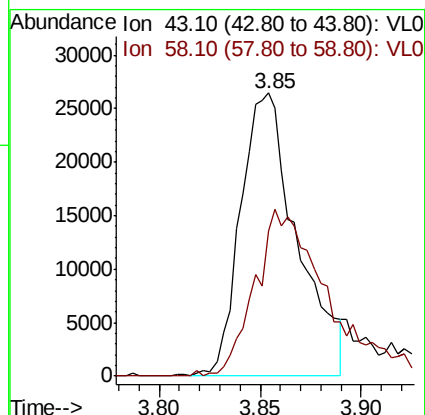
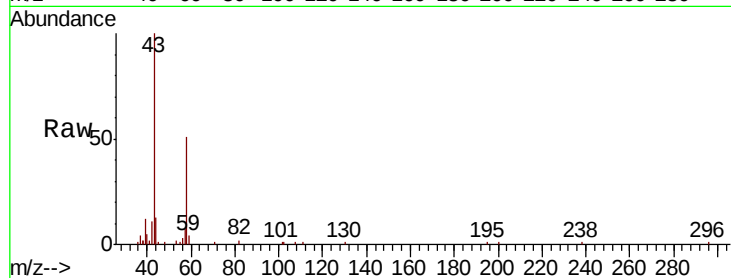
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 51711

Ion Ratio Lower Upper

43 100

58 78.6 20.3 30.5#



#20

Methylene Chloride

Concen: 0.103 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL036322.D

Acq: 10 Feb 2021 17:59

Tgt Ion: 84 Resp: 6119

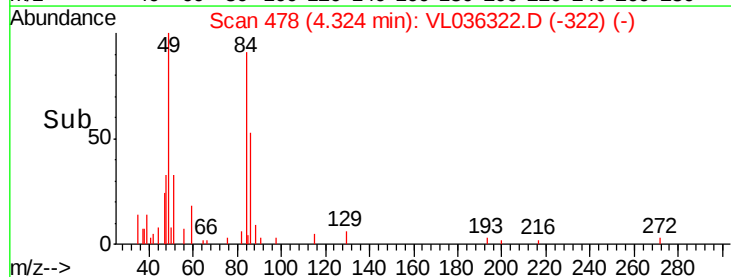
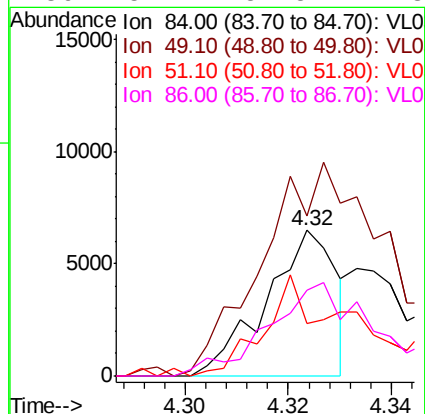
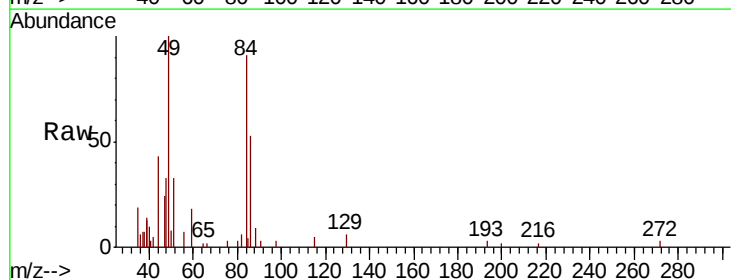
Ion Ratio Lower Upper

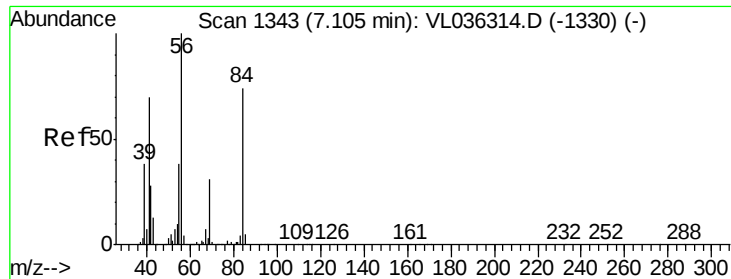
84 100

49 107.0 133.8 200.8#

51 35.9 41.4 62.0#

86 54.4 51.5 77.3

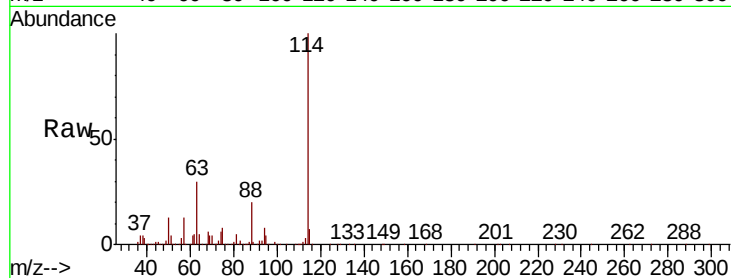




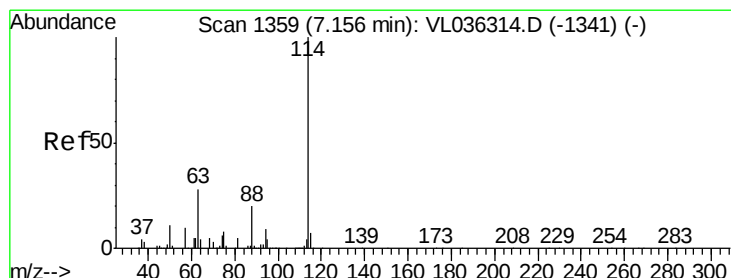
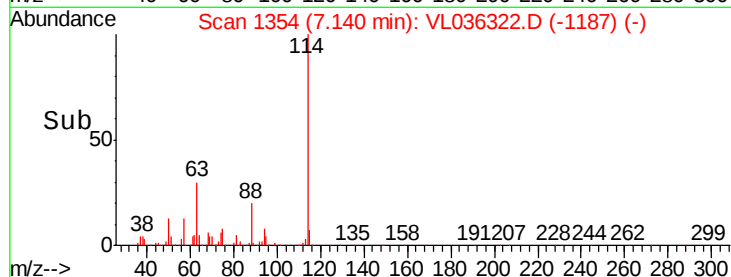
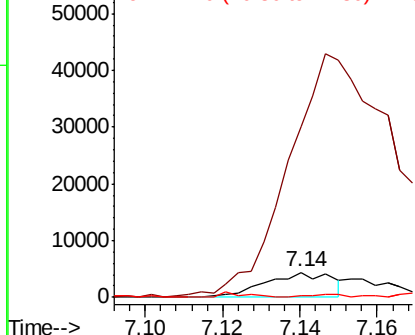
#30
Cvclohexane
Concen: 0.043 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.04 min
Lab File: VL036322.D
Acq: 10 Feb 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 5232
Ion Ratio Lower Upper
84 100
56 0.0 120.2 180.4#
41 0.0 79.7 119.5#

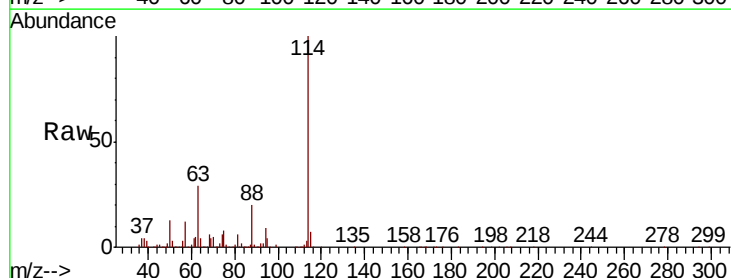


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

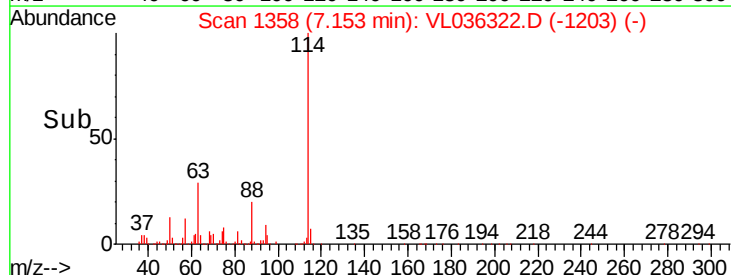
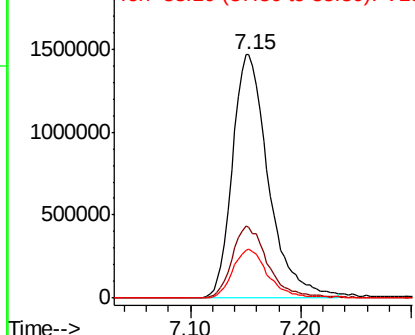


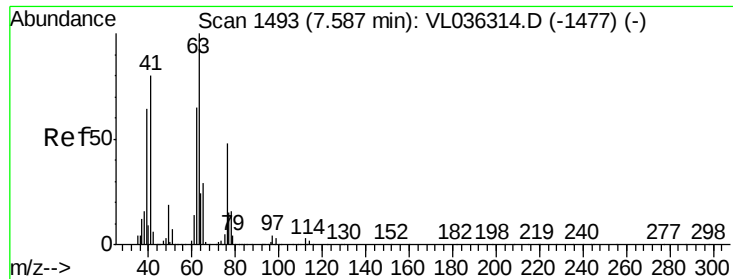
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL036322.D
Acq: 10 Feb 2021 17:59

Tgt Ion: 114 Resp: 3335374
Ion Ratio Lower Upper
114 100
63 29.7 24.1 36.1
88 20.1 16.0 24.0



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

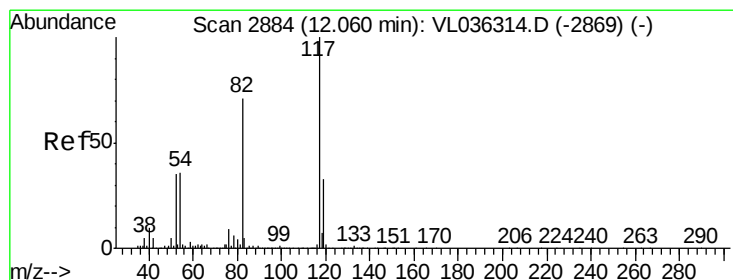
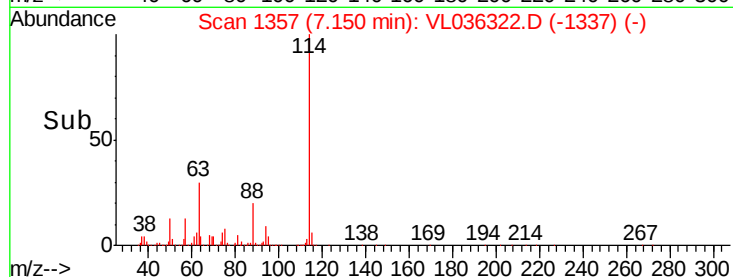
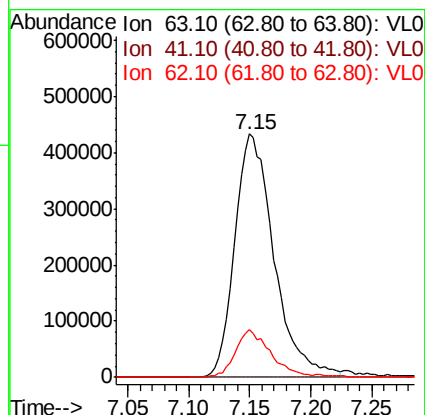
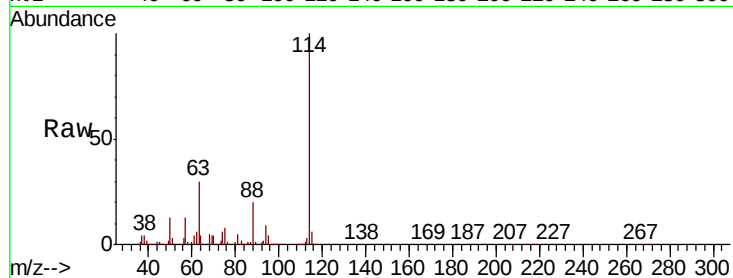




#39
 1,2-Dichloropropane
 Concen: 8.384 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.44 min
 Lab File: VL036322.D
 Acq: 10 Feb 2021 17:59

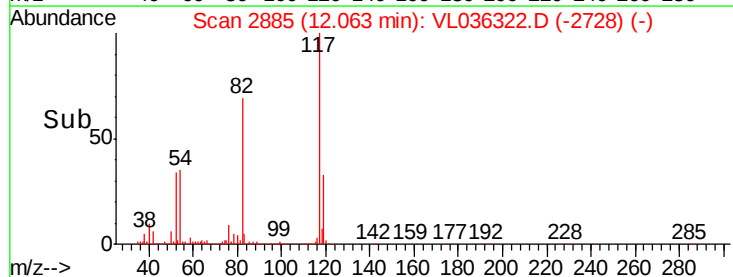
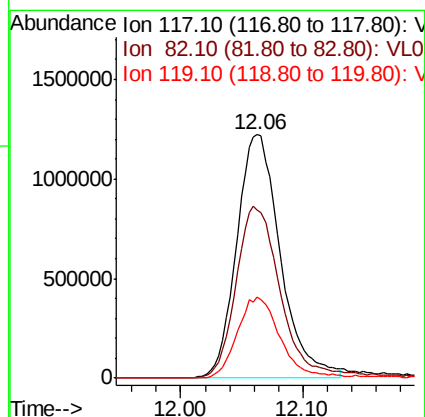
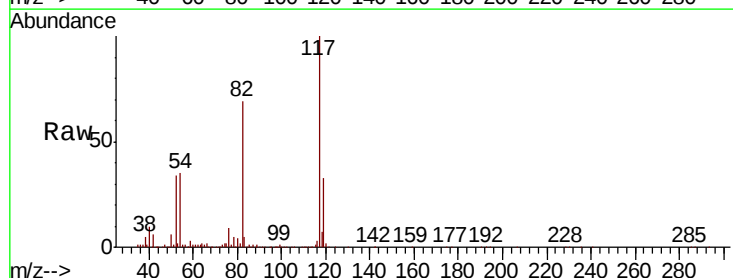
Instrument :
 MSVOA_L
 ClientSampled :

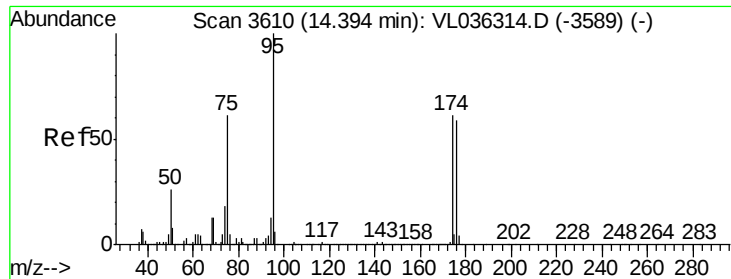
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.8	95.6#
62	19.7	52.3	78.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2885
 Delta R.T. 0.00 min
 Lab File: VL036322.D
 Acq: 10 Feb 2021 17:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.9	59.1	88.7
119	33.8	46.3	69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.905 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL036322.D

Acq: 10 Feb 2021 17:59

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2466958

Ion Ratio Lower Upper

95 100

174 65.0 49.8 74.6

175 4.6 3.7 5.5

