

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036890.D
 Acq On : 28 Apr 2021 21:50
 Operator : SY/AP
 Sample : OC042721 CAN 10300
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 29 03:11:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1395242	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3296063	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2876239	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2368281	10.26	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

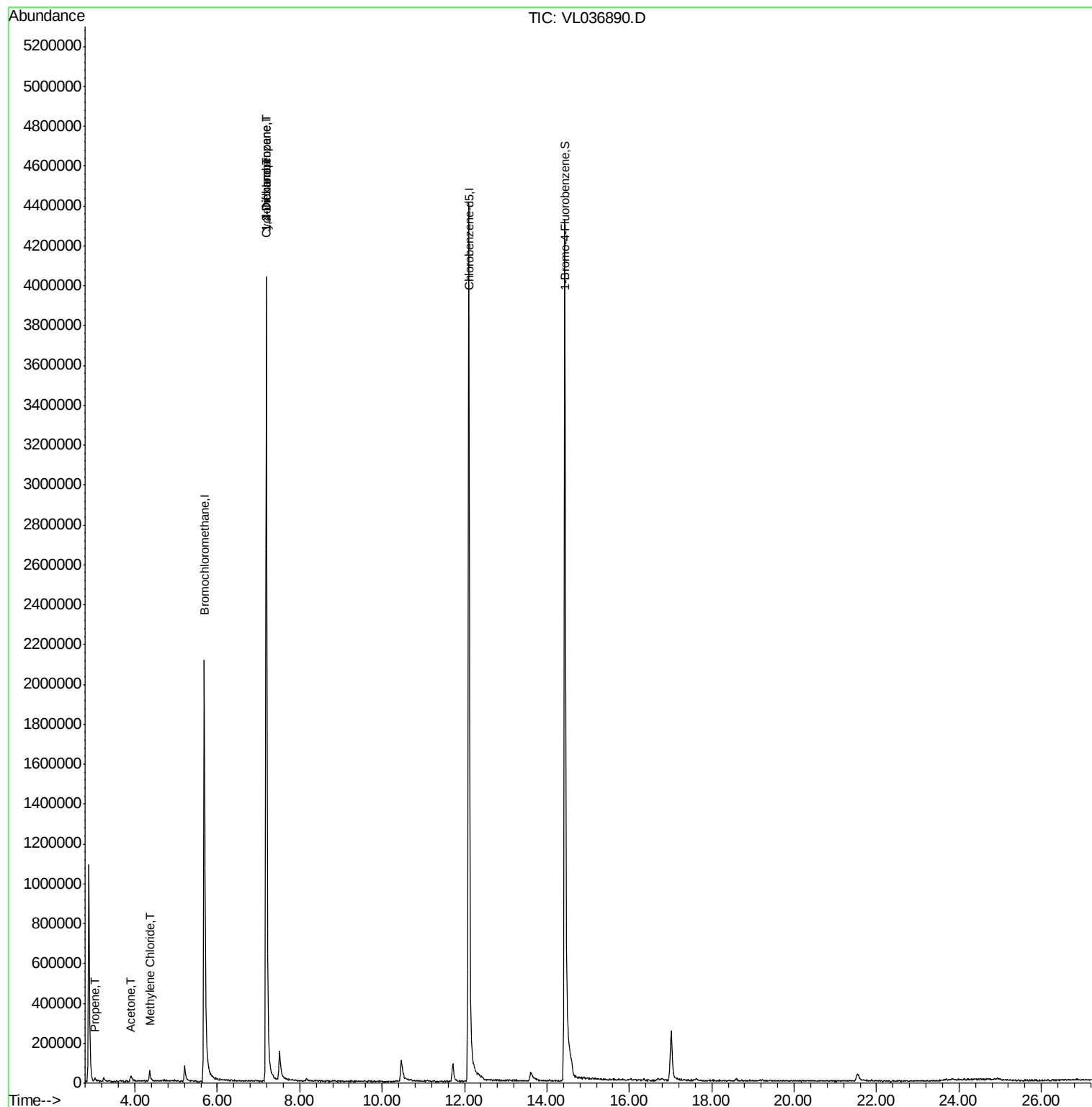
Target Compounds					Ovalue
9) Propene	3.03	41	3609	0.047 ppbv #	15
15) Acetone	3.89	43	23848	0.181 ppbv #	48
20) Methylene Chloride	4.35	84	6721	0.107 ppbv #	49
30) Cyclohexane	7.18	84	8434	0.071 ppbv #	4
39) 1,2-Dichloropropane	7.19	63	861834	7.746 ppbv #	24

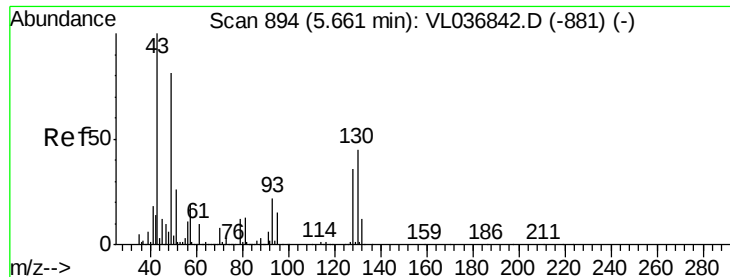
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

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ClientSampleId :

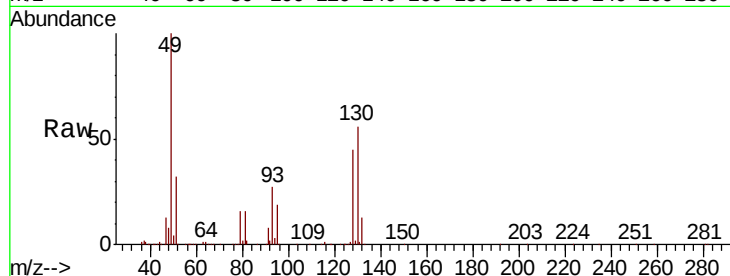
Tot Ion: 49 Resp: 1395242

Ion Ratio Lower Upper

49 100

128 46.2 24.4 73.2

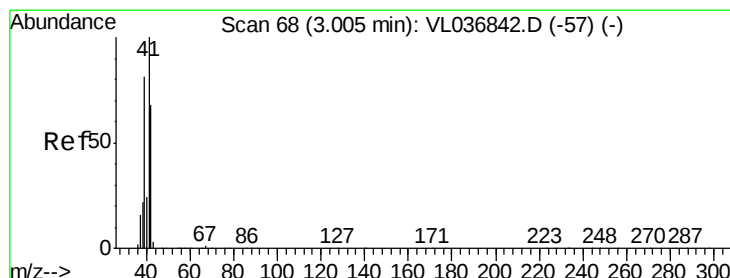
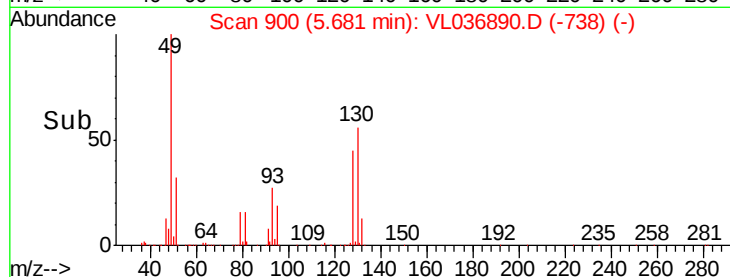
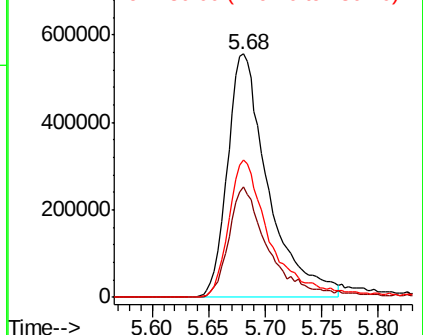
130 58.9 30.3 90.8



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



#9

Propene

Concen: 0.047 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL036890.D

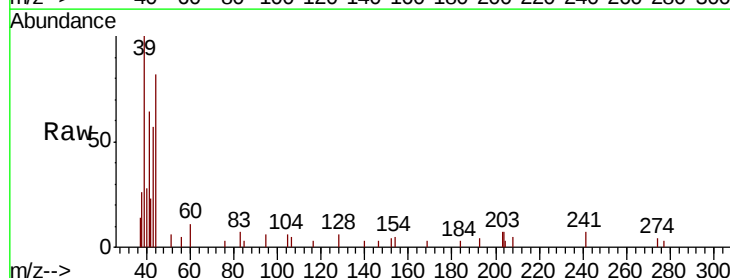
Acq: 28 Apr 2021 21:50

Tgt Ion: 41 Resp: 3609

Ion Ratio Lower Upper

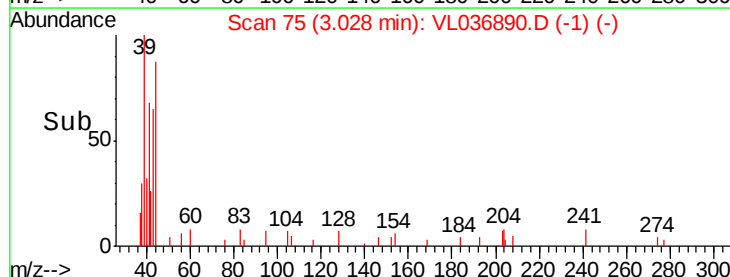
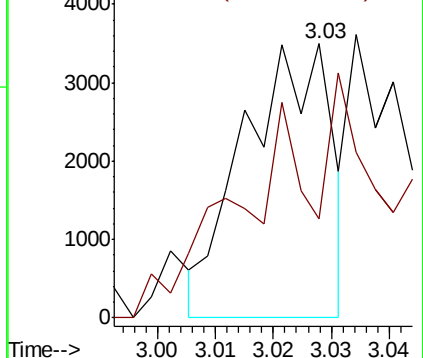
41 100

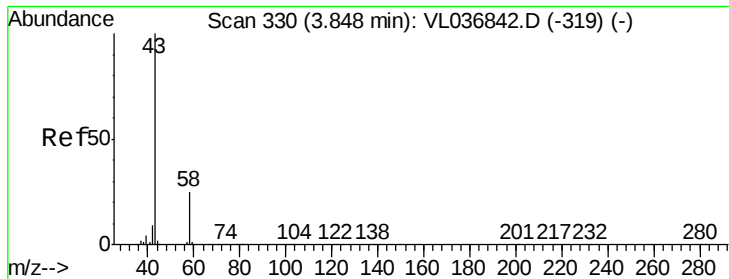
42 0.0 56.0 84.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.181 ppbv

RT: 3.89 min Scan# 343

Delta R.T. 0.04 min

Lab File: VL036890.D

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Instrument :

MSVOA_L

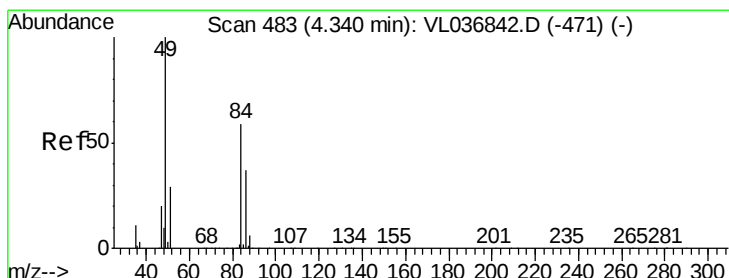
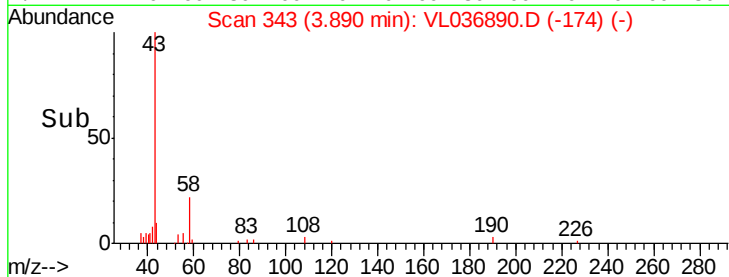
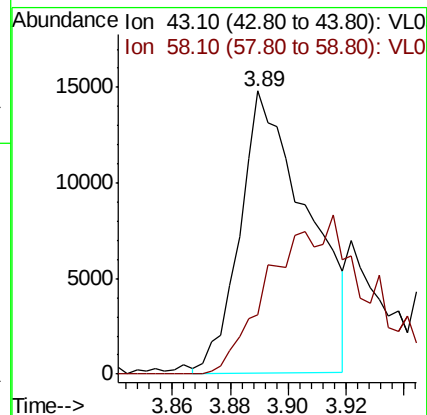
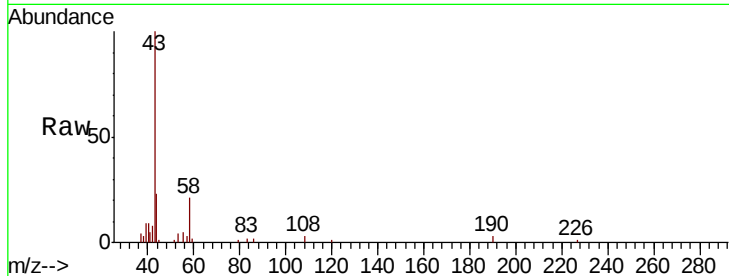
ClientSampled :

Tot Ion: 43 Resp: 23848

Ion Ratio Lower Upper

43 100

58 0.0 21.7 32.5#



#20

Methylene Chloride

Concen: 0.107 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL036890.D

Acq: 28 Apr 2021 21:50

Tgt Ion: 84 Resp: 6721

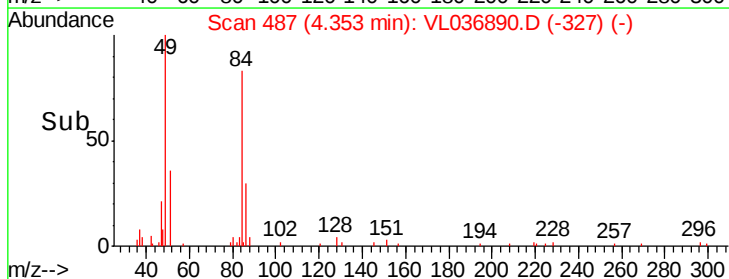
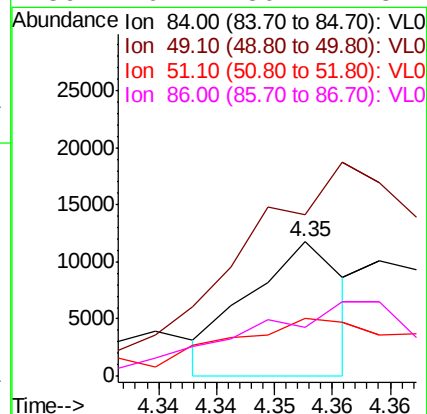
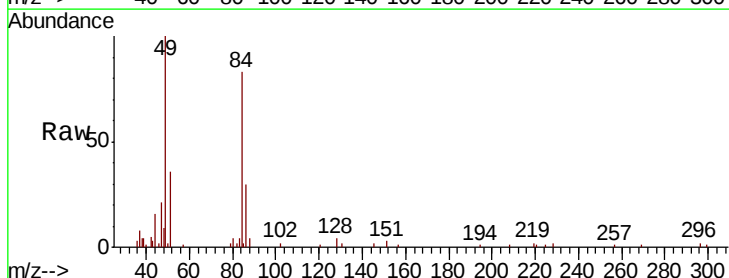
Ion Ratio Lower Upper

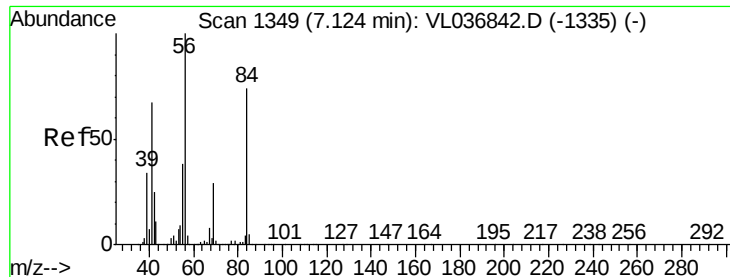
84 100

49 94.3 135.4 203.0#

51 27.0 39.3 58.9#

86 20.2 50.2 75.2#

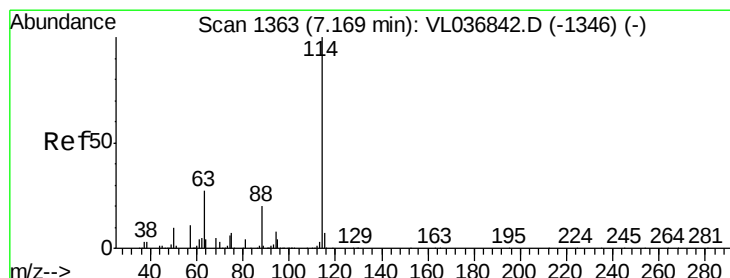
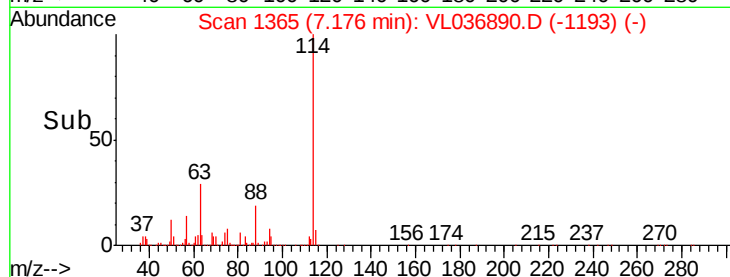
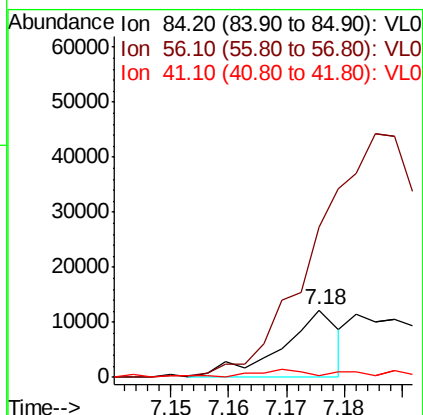
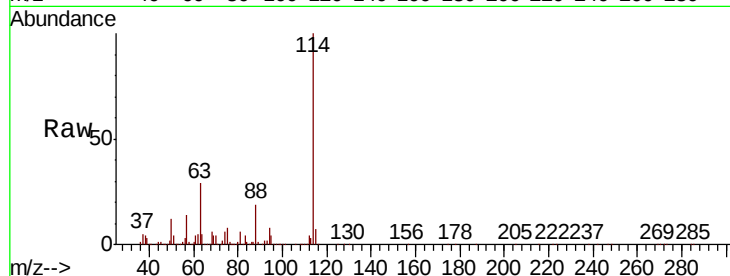




#30
Cyclohexane
Concen: 0.071 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.05 min
Lab File: VL036890.D
Acq: 28 Apr 2021 21:50

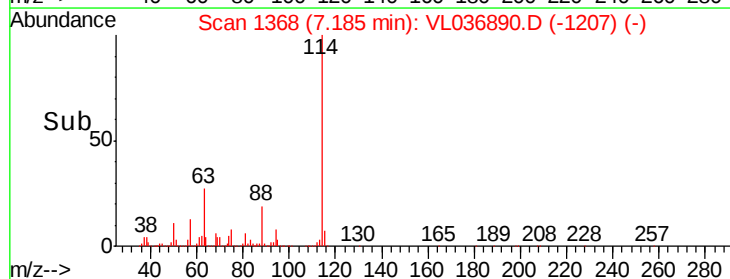
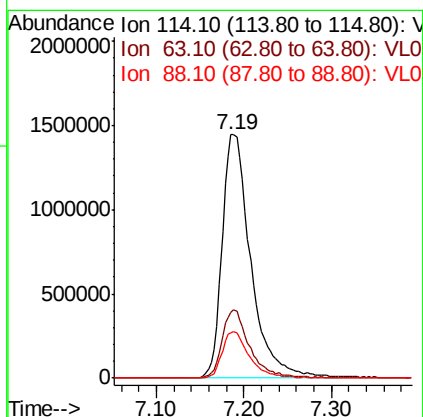
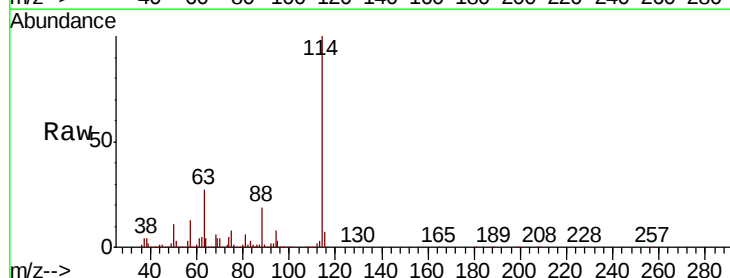
Instrument :
MSVOA_L
ClientSampleId :

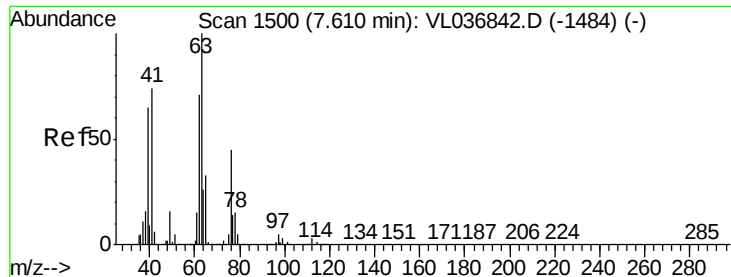
Tot Ion: 84 Resp: 8434
Ion Ratio Lower Upper
84 100
56 0.0 115.8 173.6#
41 31.5 74.6 111.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.02 min
Lab File: VL036890.D
Acq: 28 Apr 2021 21:50

Tgt Ion: 114 Resp: 3296063
Ion Ratio Lower Upper
114 100
63 27.4 21.9 32.9
88 18.5 15.1 22.7

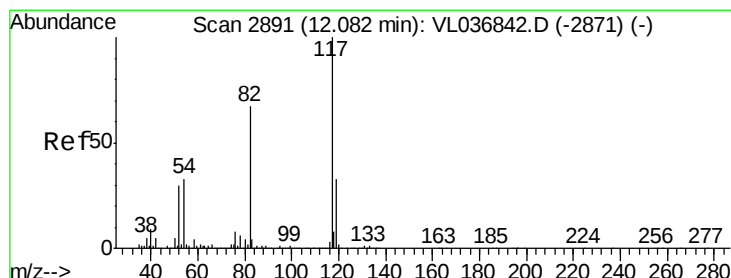
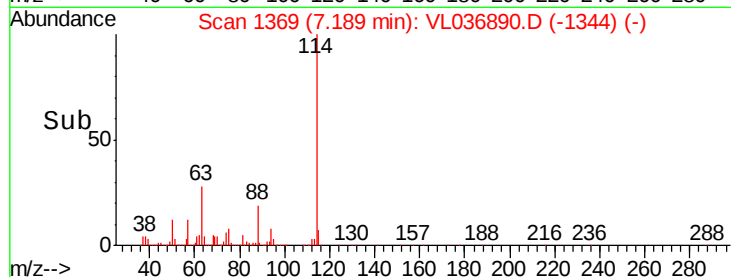
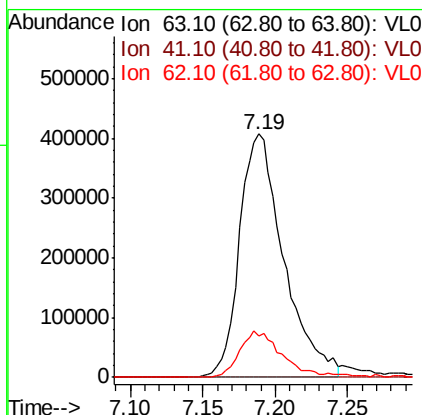
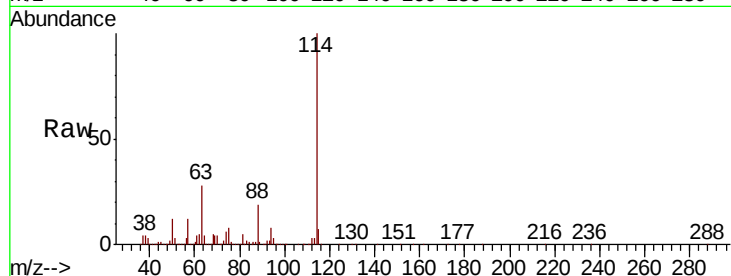




#39
 1,2-Dichloropropane
 Concen: 7.746 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.42 min
 Lab File: VL036890.D
 Acq: 28 Apr 2021 21:50

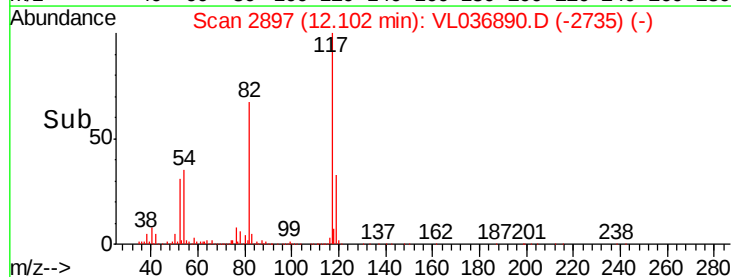
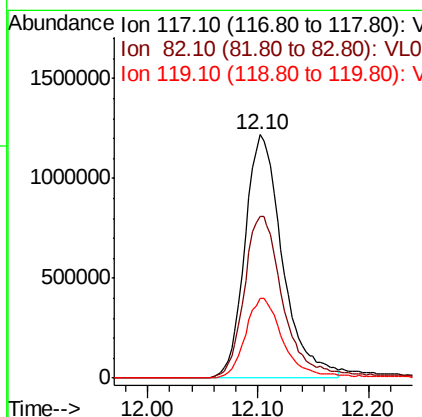
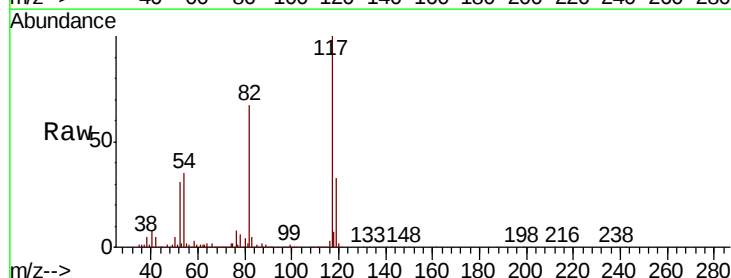
Instrument :
 MSVOA_L
 ClientSampled :

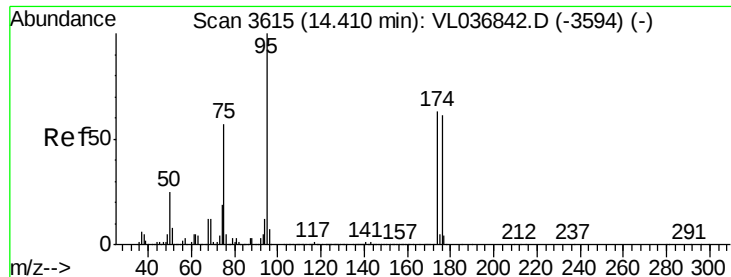
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.3	59.1	88.7#
62	17.1	56.9	85.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2897
 Delta R.T. 0.02 min
 Lab File: VL036890.D
 Acq: 28 Apr 2021 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.1	53.5	80.3
119	34.1	25.6	38.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.257 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.03 min

Lab File: VL036890.D

Acq: 28 Apr 2021 21:50

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2368281

Ion Ratio Lower Upper

95 100

174 64.9 52.2 78.2

175 4.7 4.0 6.0

