

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

Quant Time: Feb 25 05:18:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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%

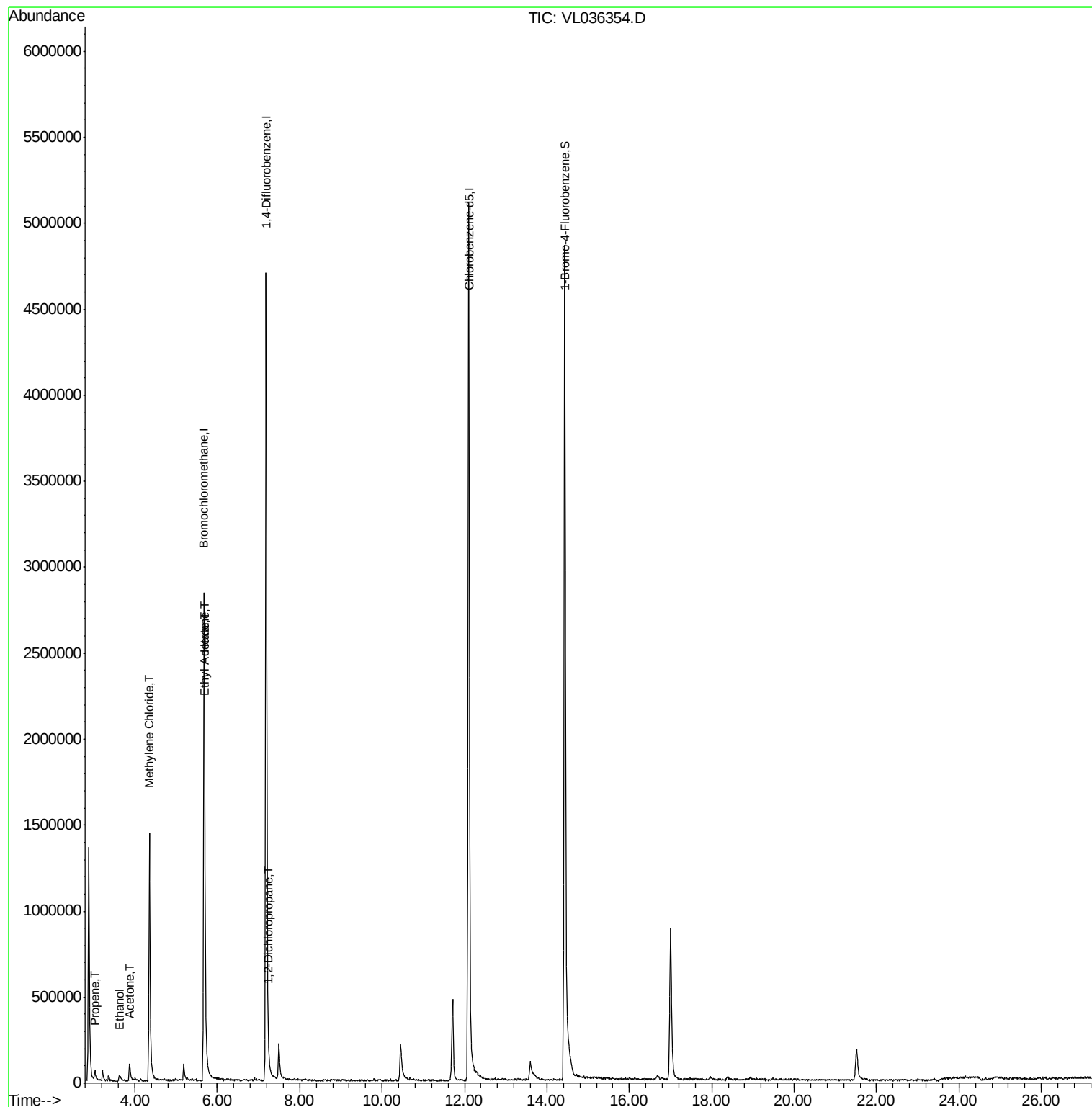
Target Compounds					Ovalue
9) Propene	3.02	41	14627	0.181 ppbv	91
13) Ethanol	3.61	45	15510	1.022 ppbv #	32
15) Acetone	3.87	43	117502	0.551 ppbv #	69
20) Methylene Chloride	4.35	84	564898	8.211 ppbv	95
25) Ethyl Acetate	5.70	43	88376	0.215 ppbv #	79
26) Hexane	5.70	57	110863	0.655 ppbv #	36
39) 1,2-Dichloropropane	7.24	63	13417	0.107 ppbv #	22

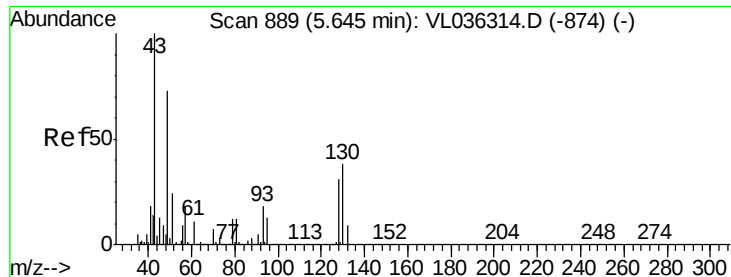
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
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#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

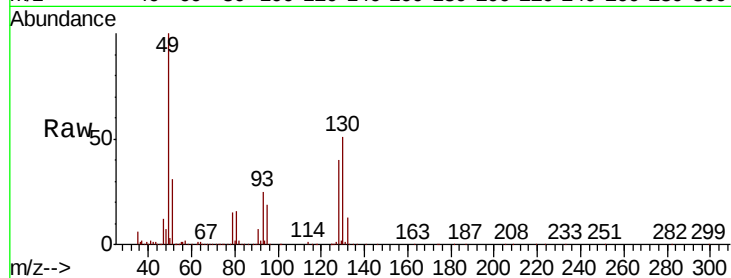
Tot Ion: 49 Resp: 1744561

Ion Ratio Lower Upper

49 100

128 40.7 20.8 62.5

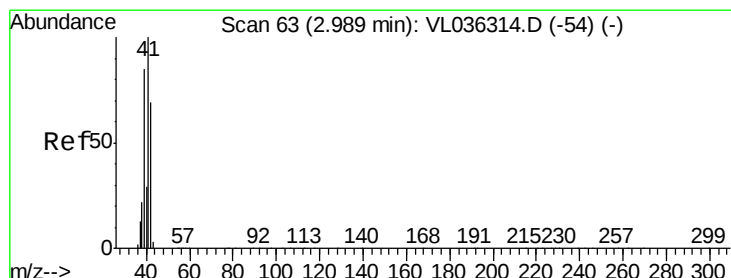
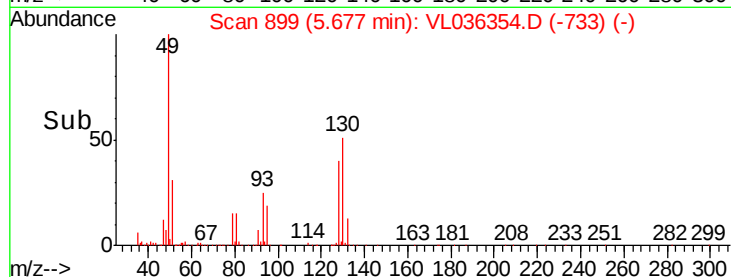
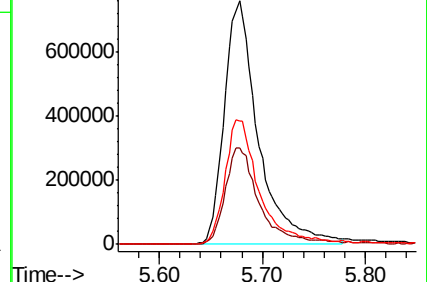
130 52.5 26.7 80.1



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: 0.181 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.03 min

Lab File: VL036354.D

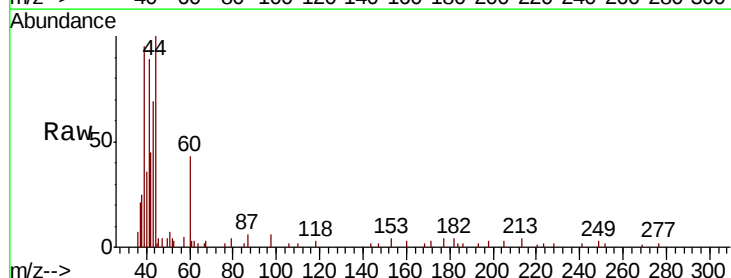
Acq: 24 Feb 2021 17:20

Tgt Ion: 41 Resp: 14627

Ion Ratio Lower Upper

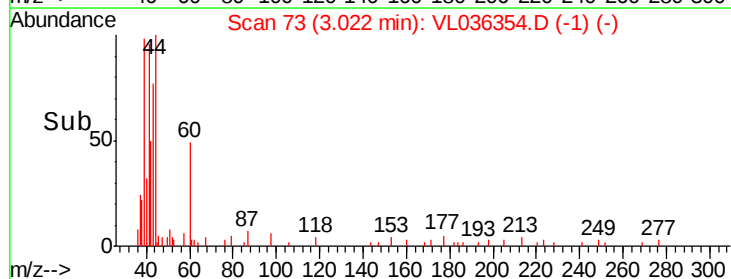
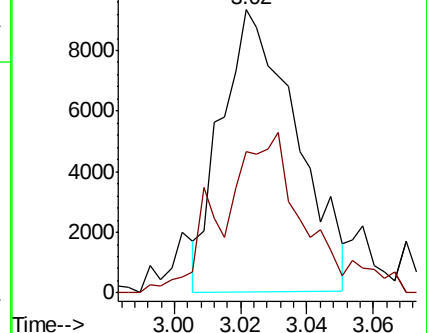
41 100

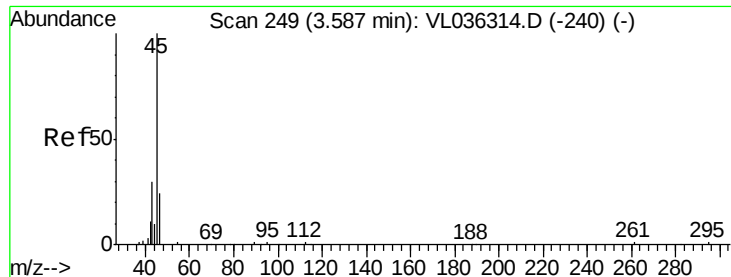
42 63.1 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

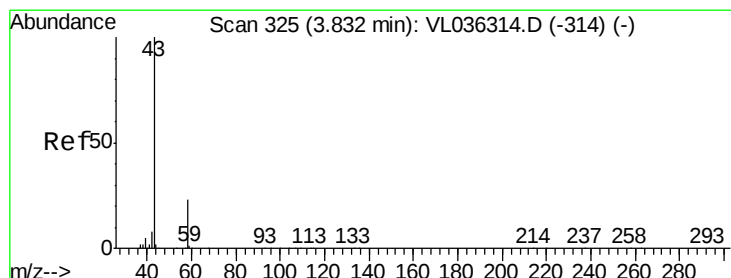
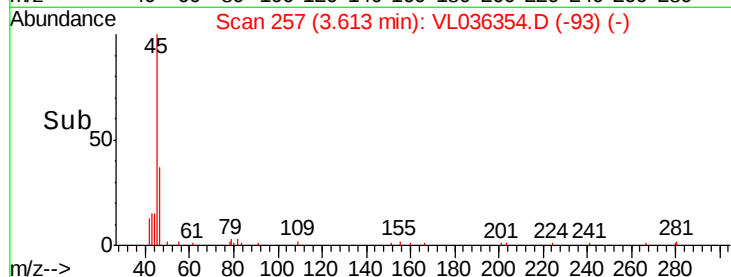
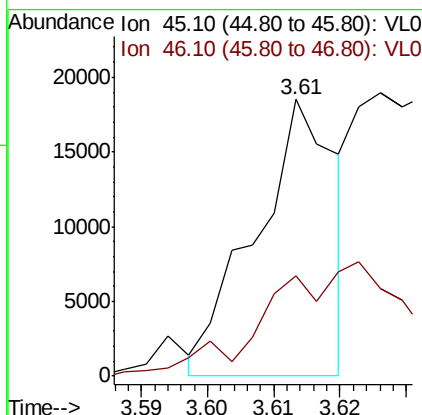
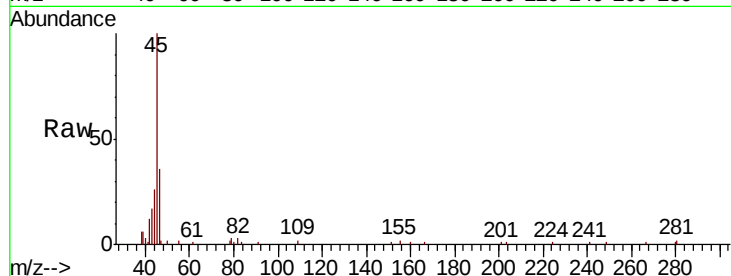




#13
Ethanol
Concen: 1.022 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.03 min
Lab File: VL036354.D
Acq: 24 Feb 2021 17:20

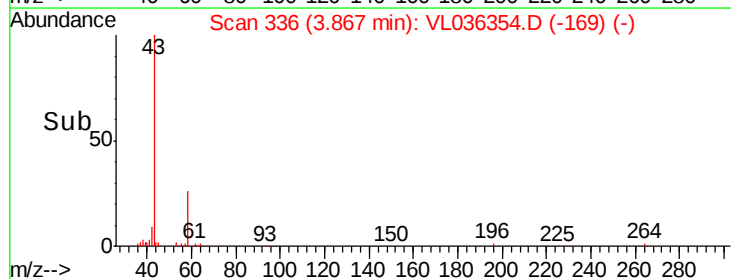
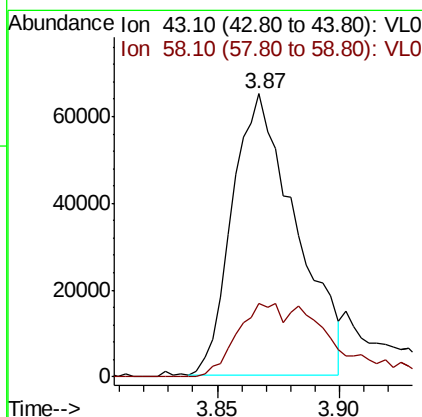
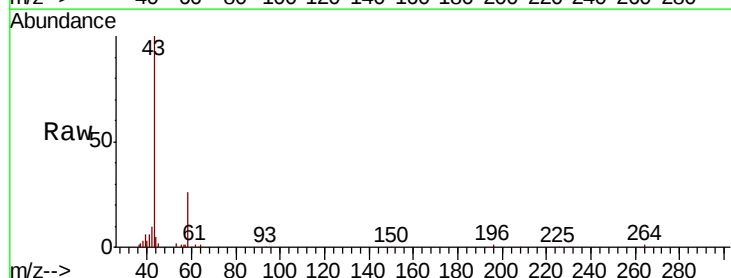
Instrument :
MSVOA_L
ClientSampleId :
NS-12DL

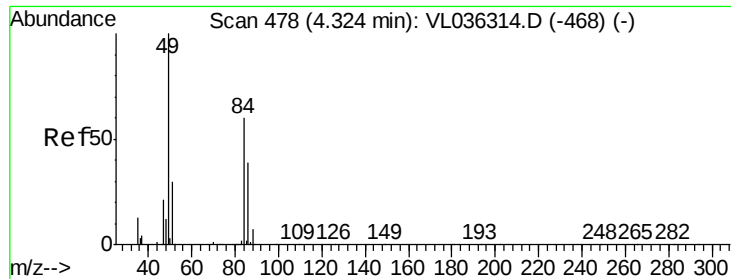
Tot Ion: 45 Resp: 15510
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#



#15
Acetone
Concen: 0.551 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.04 min
Lab File: VL036354.D
Acq: 24 Feb 2021 17:20

Tgt Ion: 43 Resp: 117502
Ion Ratio Lower Upper
43 100
58 41.1 20.3 30.5#

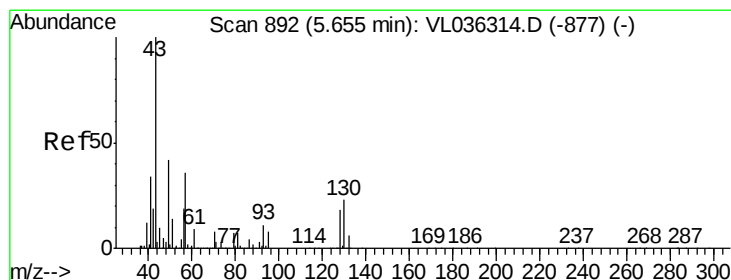
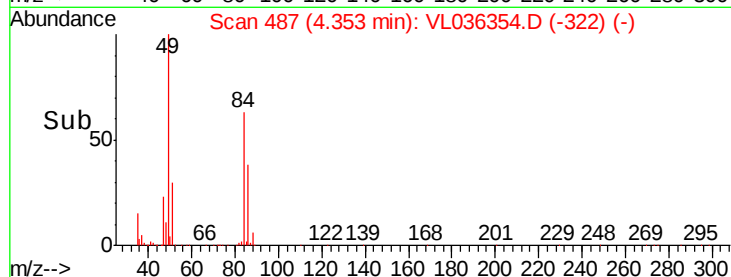
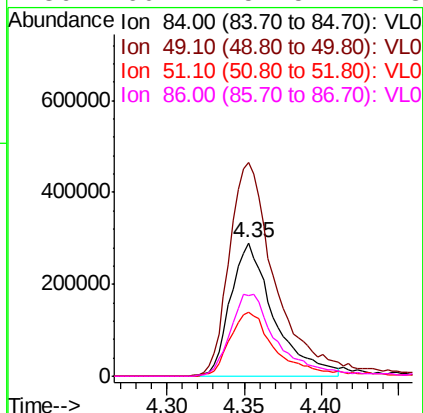
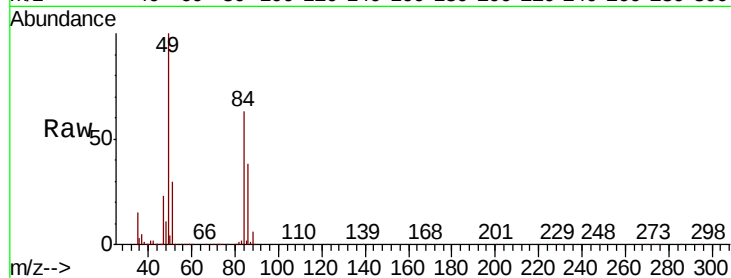




#20
Methvlene Chloride
Concen: 8.211 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.03 min
Lab File: VL036354.D
Acq: 24 Feb 2021 17:20

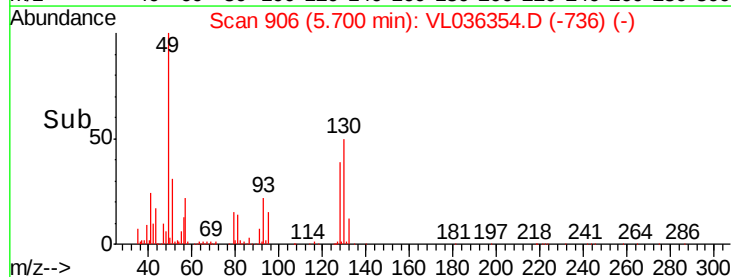
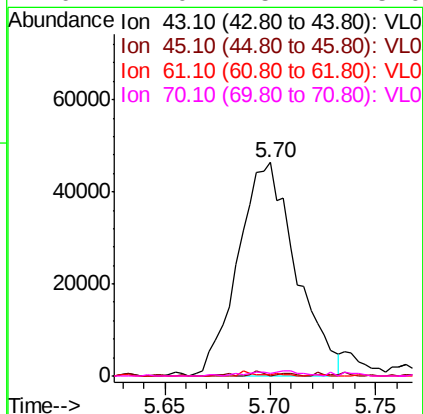
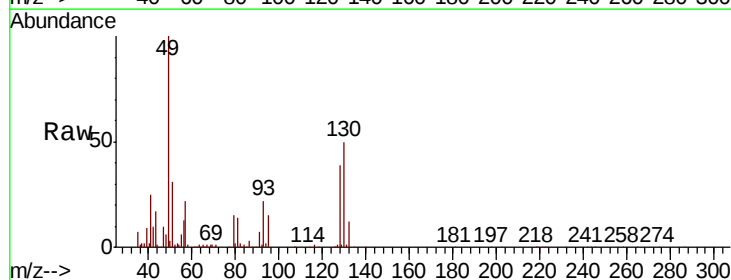
Instrument :
MSVOA_L
ClientSampleId :
NS-12DL

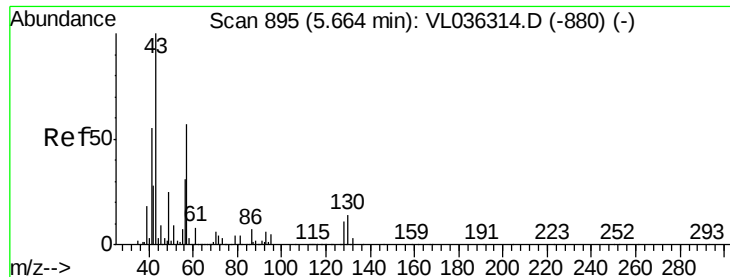
Tot Ion:	84	Resp:	564898
Ion	Ratio	Lower	Upper
84	100		
49	159.5	133.8	200.8
51	48.1	41.4	62.0
86	60.7	51.5	77.3



#25
Ethyl Acetate
Concen: 0.215 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.05 min
Lab File: VL036354.D
Acq: 24 Feb 2021 17:20

Tgt Ion:	43	Resp:	88376
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.3	12.5#
61	1.0	7.3	10.9#
70	2.0	5.4	8.0#





#26

Hexane

Concen: 0.655 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.03 min

Lab File: VL036354.D

Acq: 24 Feb 2021 17:20

Instrument :

MSVOA_L

ClientSampleId :

NS-12DL

Tot Ion: 57 Resp: 110863

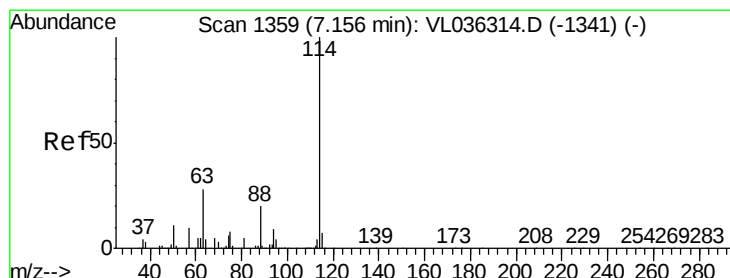
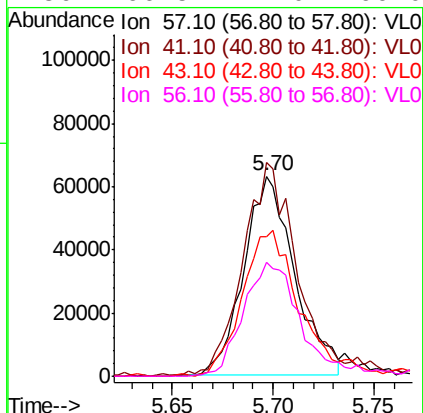
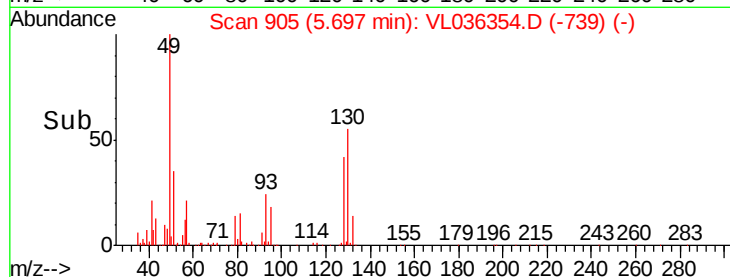
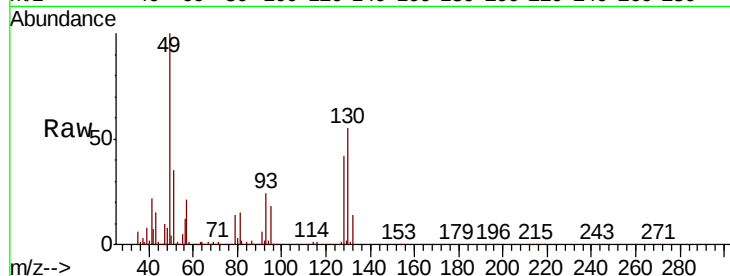
Ion Ratio Lower Upper

57 100

41 121.3 81.7 122.5

43 86.5 199.1 298.7#

56 66.5 44.0 66.0#



#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

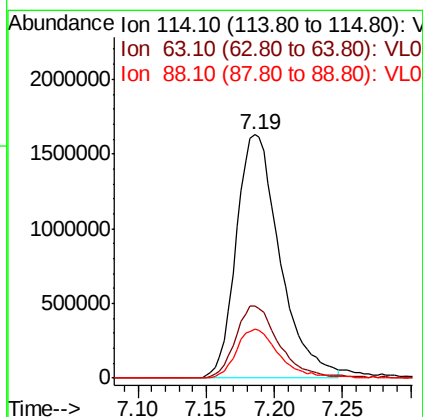
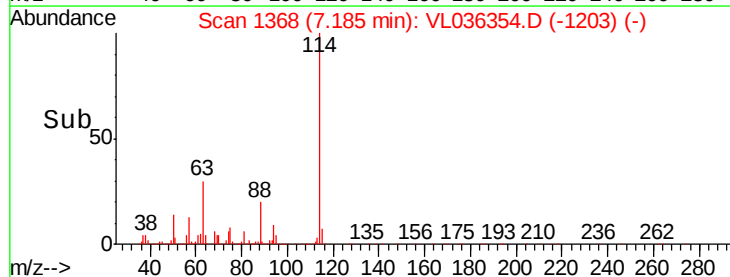
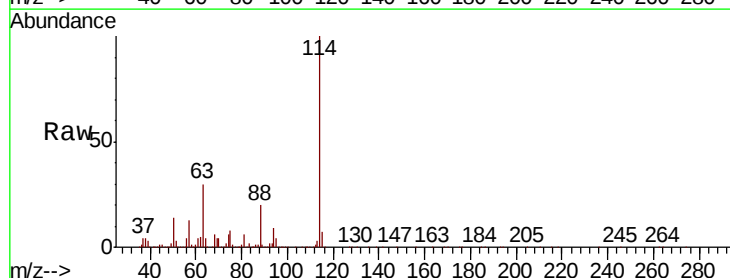
Tgt Ion: 114 Resp: 3624271

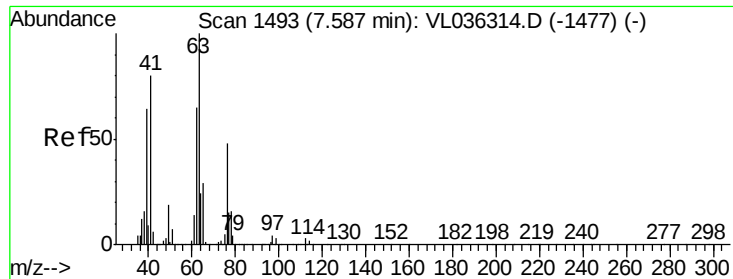
Ion Ratio Lower Upper

114 100

63 30.2 24.1 36.1

88 20.1 16.0 24.0





#39

1,2-Dichloropropane

Concen: 0.107 ppbv

RT: 7.24 min Scan# 1386

Delta R.T. -0.34 min

Lab File: VL036354.D

Acq: 24 Feb 2021 17:20

Instrument :

MSVOA_L

ClientSampleId :

NS-12DL

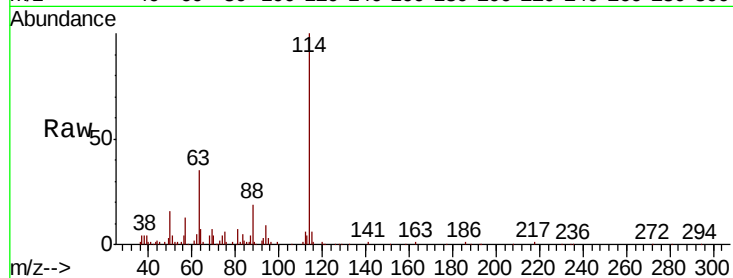
Tot Ion: 63 Resp: 13417

Ion Ratio Lower Upper

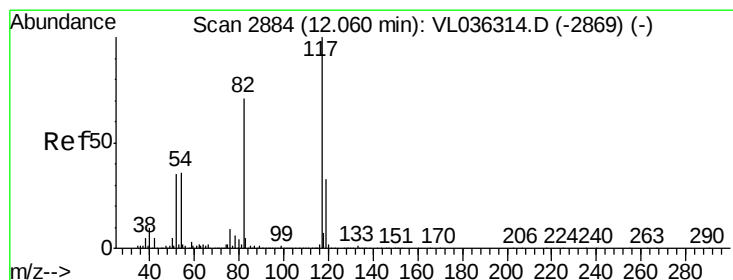
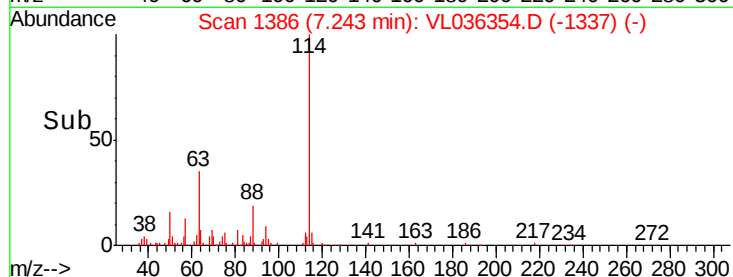
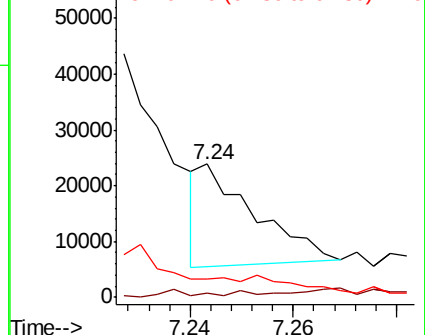
63 100

41 3.1 63.8 95.6#

62 11.7 52.3 78.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#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

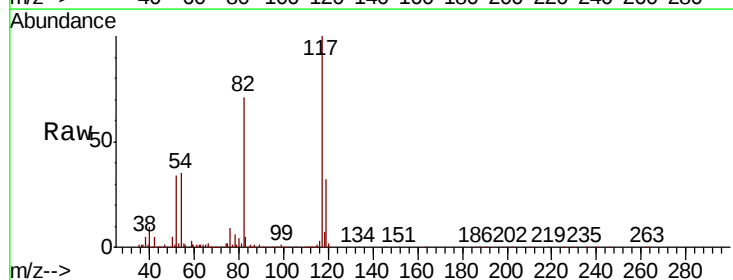
Tgt Ion: 117 Resp: 3362101

Ion Ratio Lower Upper

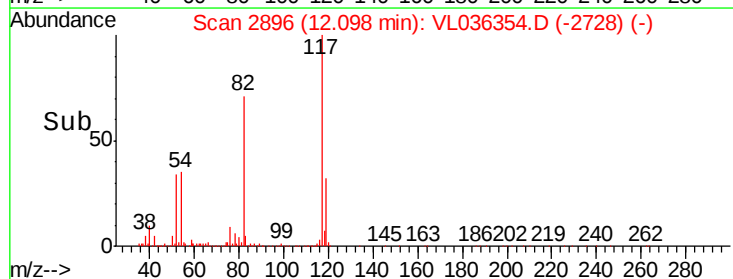
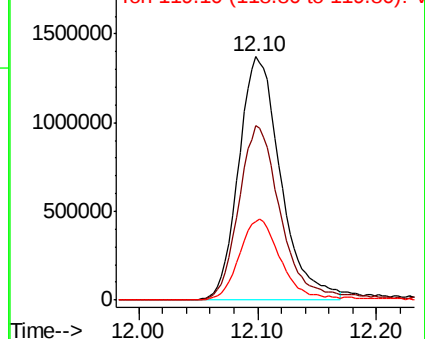
117 100

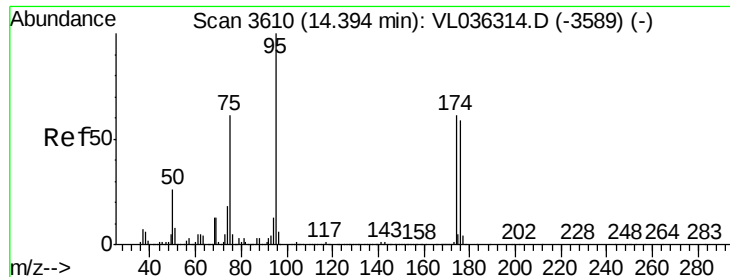
82 73.7 59.1 88.7

119 33.8 46.3 69.5#



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V





#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

Instrument :

MSVOA_L

ClientSampleId :

NS-12DL

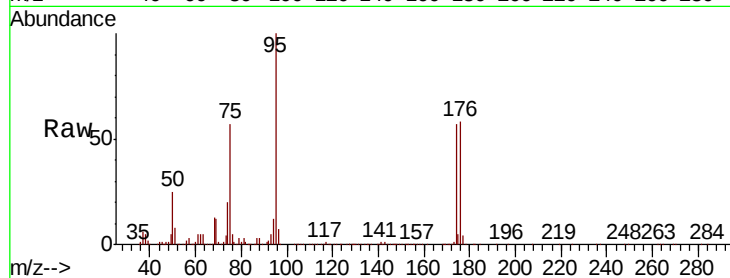
Tot Ion: 95 Resp: 2824620

Ion Ratio Lower Upper

95 100

174 62.0 49.8 74.6

175 4.5 3.7 5.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

