

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036352.D
 Acq On : 24 Feb 2021 16:01
 Operator : SY/AP
 Sample : M1463-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-9DL

Quant Time: Feb 25 05:18:09 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	5.67	49	1691563	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3642595	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3358332	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2651616	9.60	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

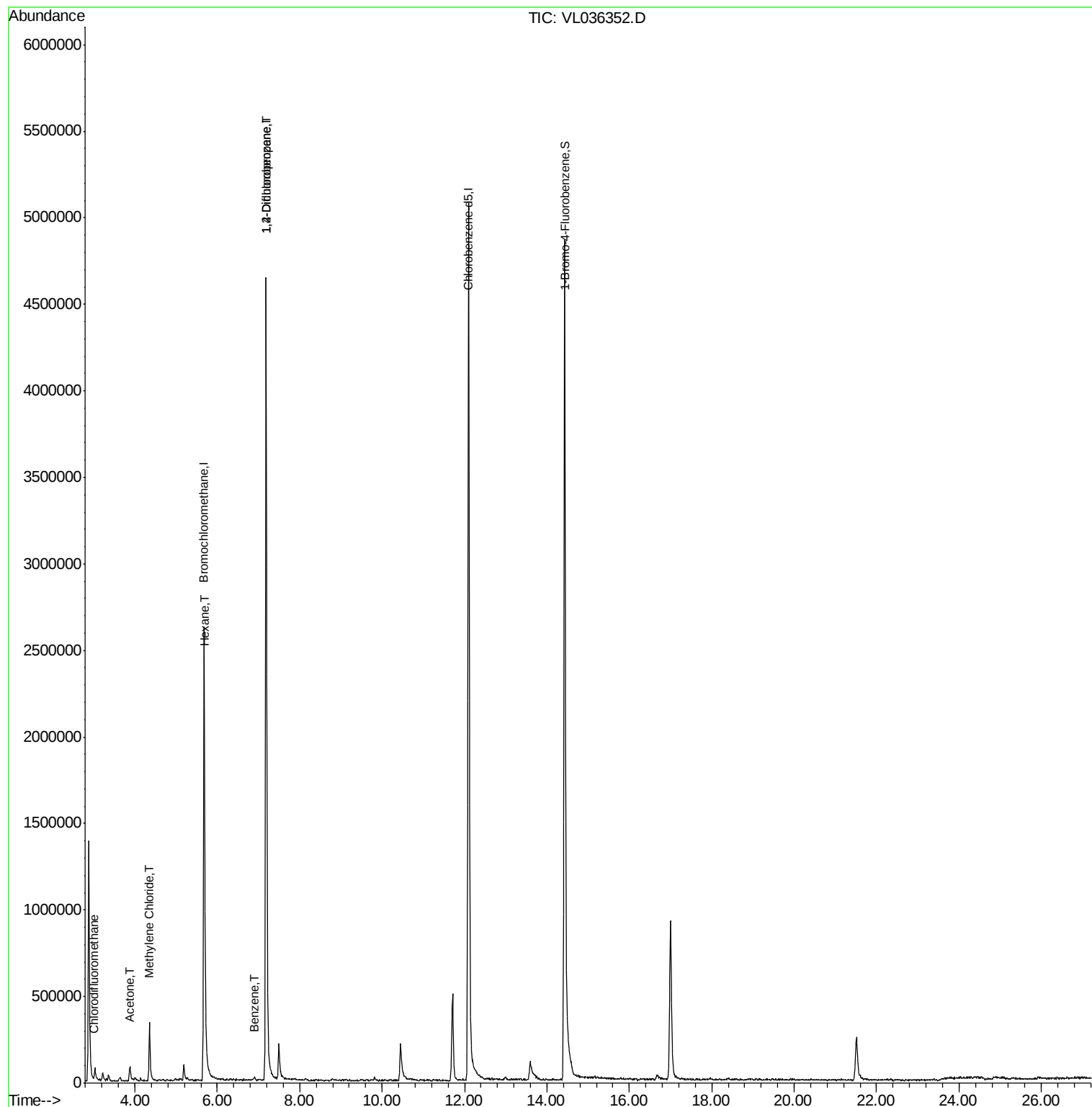
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	11664	0.055	ppbv #	81
15) Acetone	3.87	43	75229	0.364	ppbv #	37
20) Methylene Chloride	4.35	84	132305	1.983	ppbv	93
26) Hexane	5.69	57	19111	0.117	ppbv #	38
36) Benzene	6.89	78	9770	0.032	ppbv #	75
39) 1,2-Dichloropropane	7.18	63	1077670	8.574	ppbv #	23

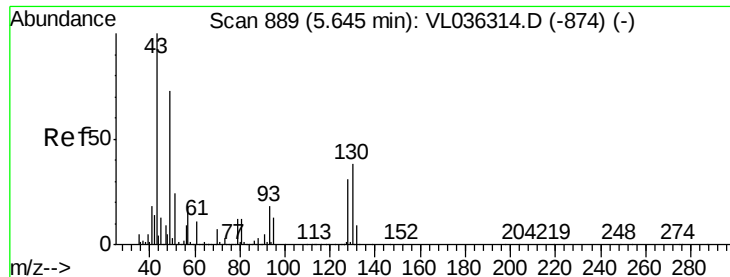
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.03 min

Lab File: VL036352.D

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NS-9DL

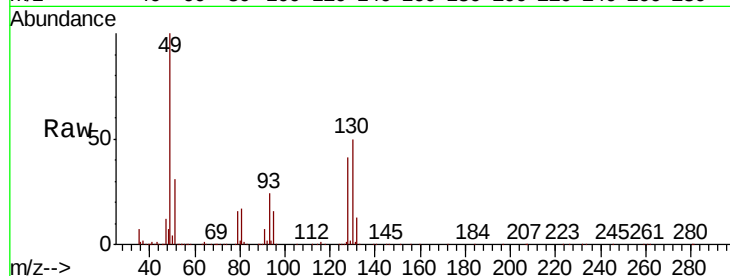
Tot Ion: 49 Resp: 1691563

Ion Ratio Lower Upper

49 100

128 42.0 20.8 62.5

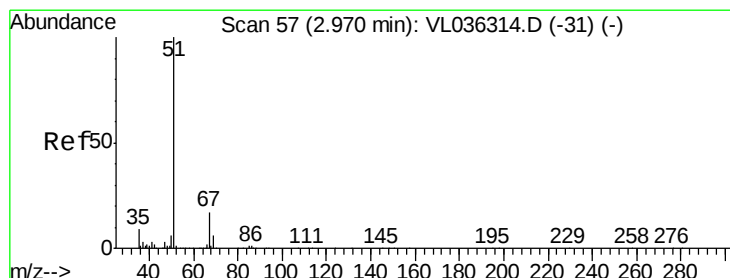
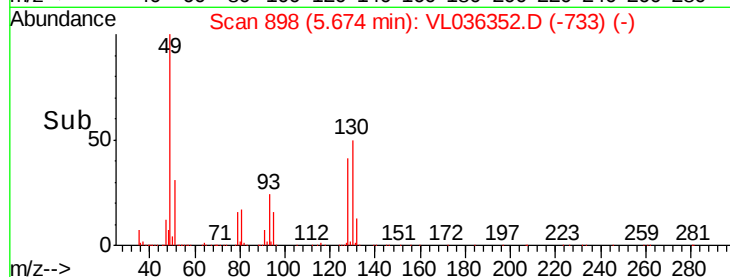
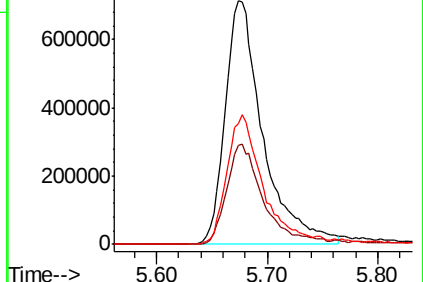
130 53.7 26.7 80.1



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



#3

Chlorodifluoromethane

Concen: 0.055 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.03 min

Lab File: VL036352.D

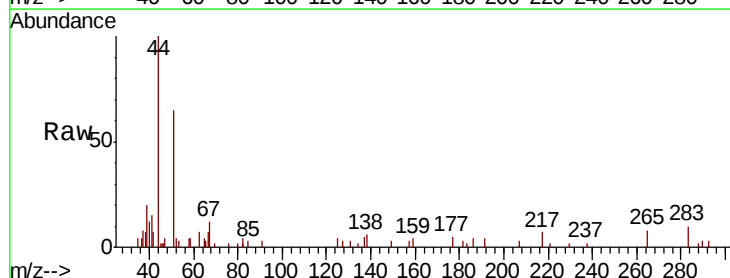
Acq: 24 Feb 2021 16:01

Tgt Ion: 51 Resp: 11664

Ion Ratio Lower Upper

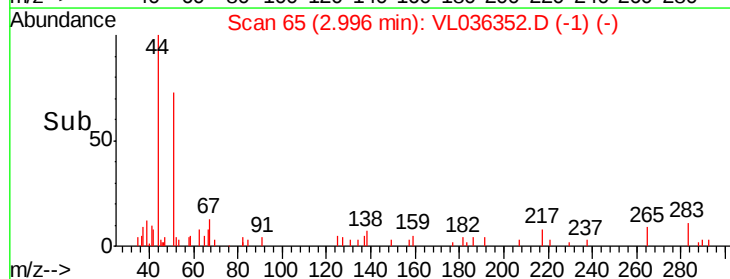
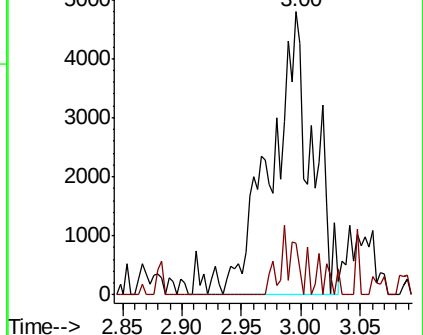
51 100

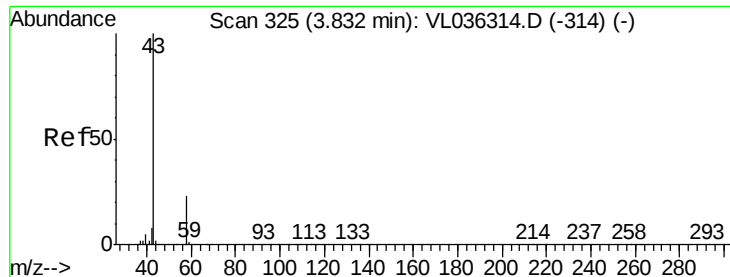
67 9.8 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

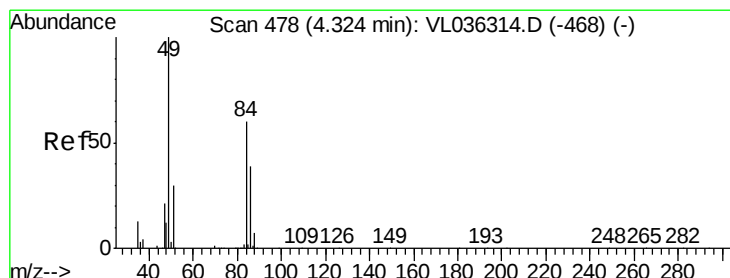
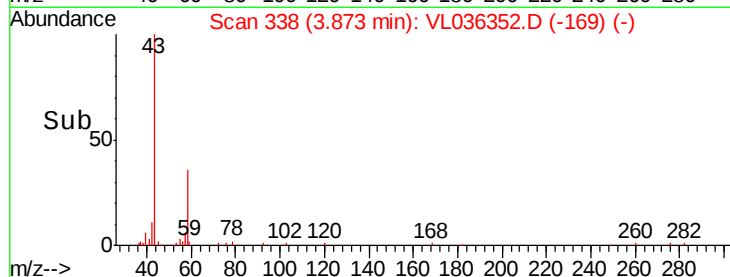
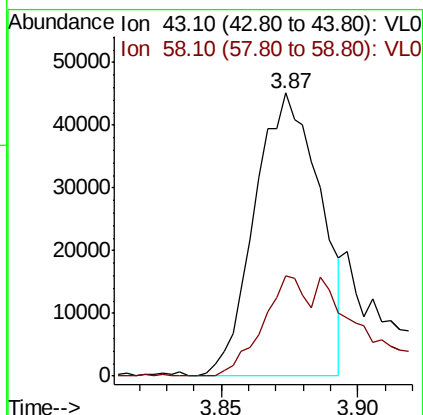
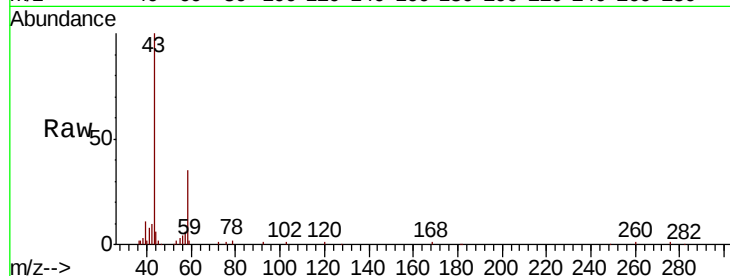




#15
Acetone
Concen: 0.364 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL036352.D
Acq: 24 Feb 2021 16:01

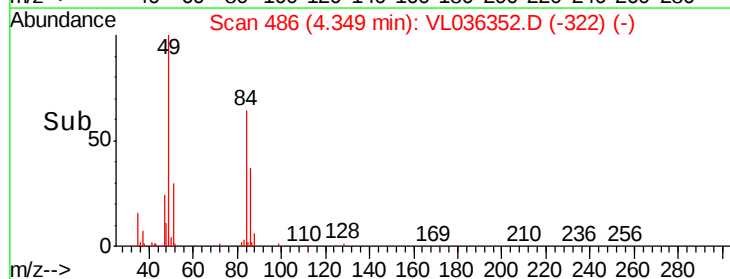
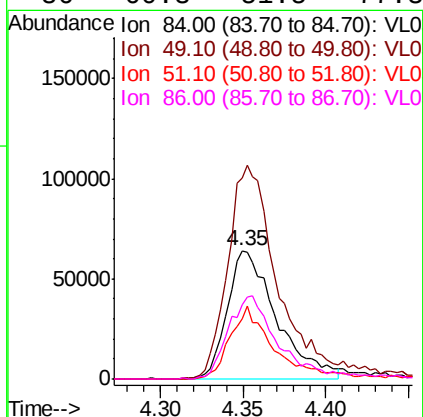
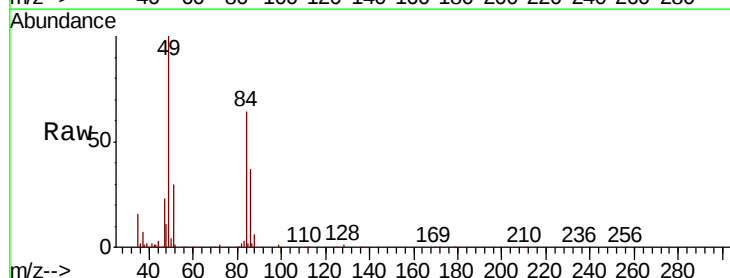
Instrument :
MSVOA_L
ClientSampleId :
NS-9DL

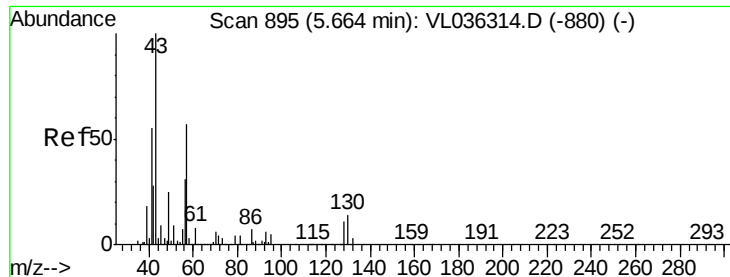
Tot Ion: 43 Resp: 75229
Ion Ratio Lower Upper
43 100
58 57.0 20.3 30.5#



#20
Methylene Chloride
Concen: 1.983 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.03 min
Lab File: VL036352.D
Acq: 24 Feb 2021 16:01

Tgt Ion: 84 Resp: 132305
Ion Ratio Lower Upper
84 100
49 156.3 133.8 200.8
51 47.0 41.4 62.0
86 60.3 51.5 77.3





#26

Hexane

Concen: 0.117 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.03 min

Lab File: VL036352.D

Acq: 24 Feb 2021 16:01

Instrument :

MSVOA_L

ClientSampleId :

NS-9DL

Tot Ion: 57 Resp: 19111

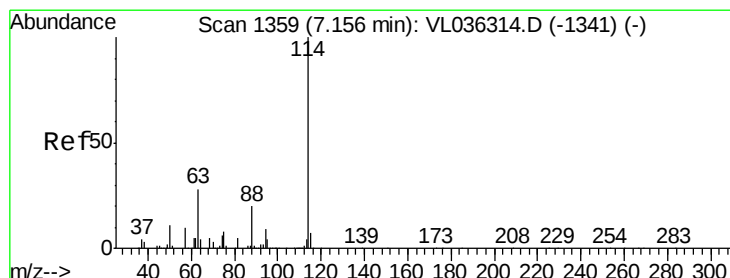
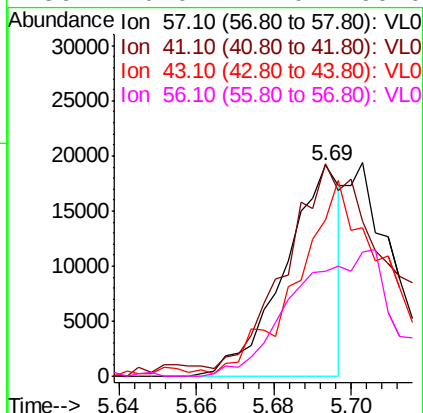
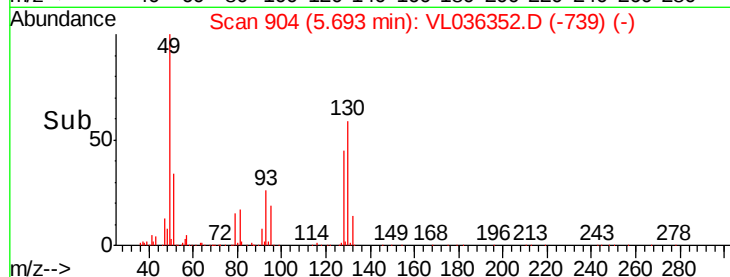
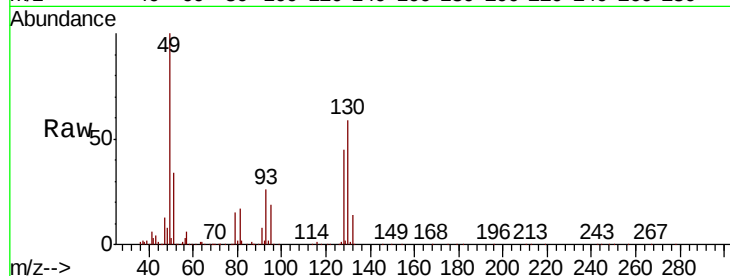
Ion Ratio Lower Upper

57 100

41 204.4 81.7 122.5#

43 174.4 199.1 298.7#

56 0.0 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: VL036352.D

Acq: 24 Feb 2021 16:01

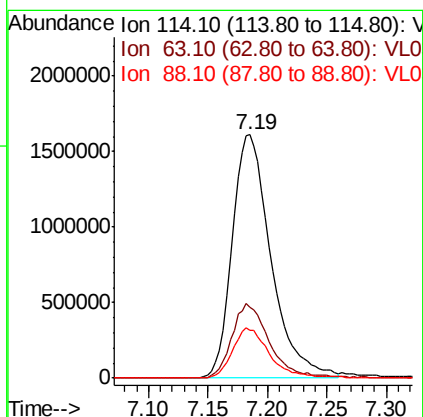
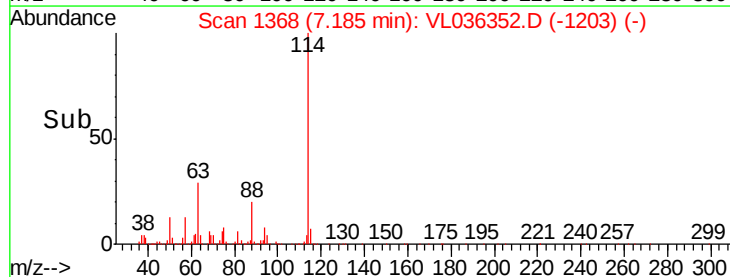
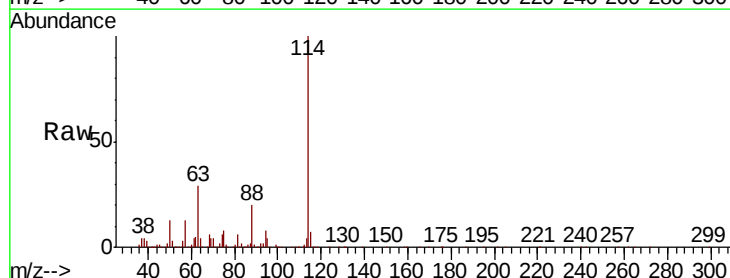
Tgt Ion: 114 Resp: 3642595

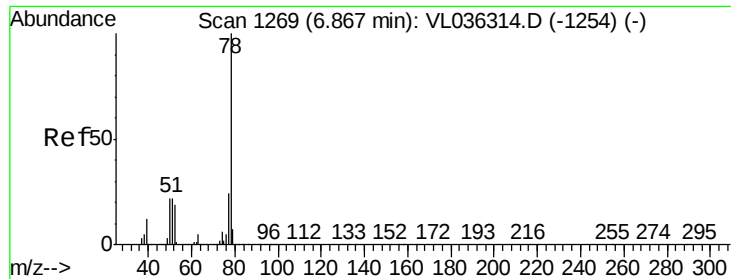
Ion Ratio Lower Upper

114 100

63 30.2 24.1 36.1

88 19.9 16.0 24.0





#36

Benzene

Concen: 0.032 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.03 min

Lab File: VL036352.D

Acq: 24 Feb 2021 16:01

Instrument :

MSVOA_L

ClientSampleId :

NS-9DL

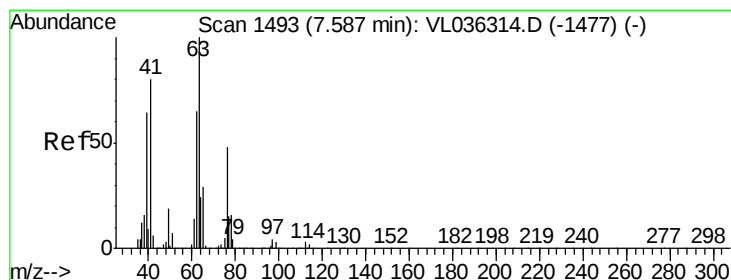
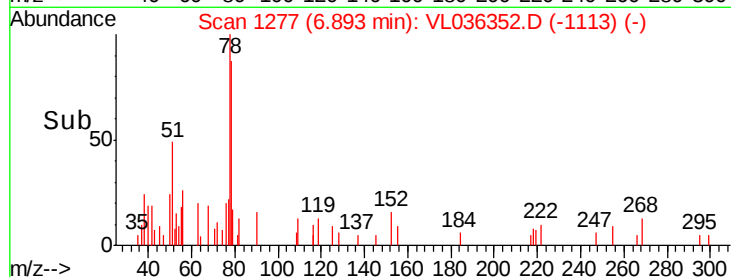
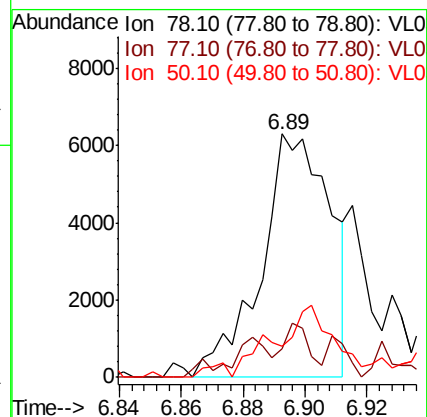
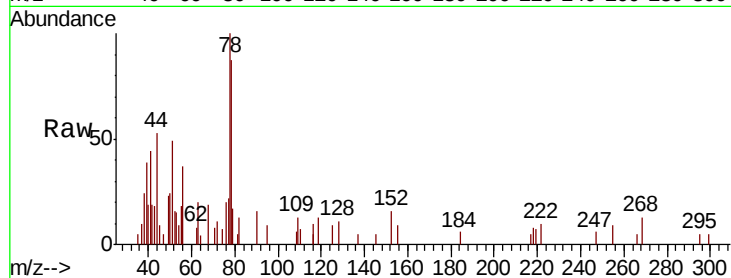
Tot Ion: 78 Resp: 9770

Ion Ratio Lower Upper

78 100

77 8.6 18.9 28.3#

50 12.9 17.3 25.9#



#39

1,2-Dichloropropane

Concen: 8.574 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.41 min

Lab File: VL036352.D

Acq: 24 Feb 2021 16:01

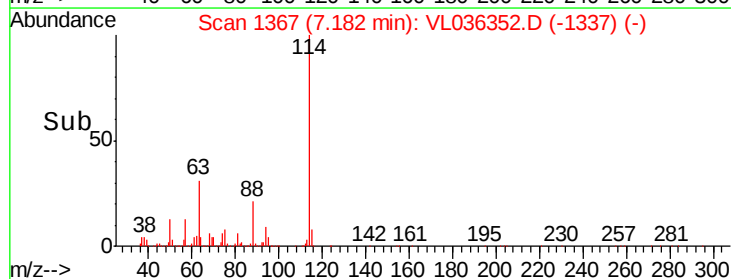
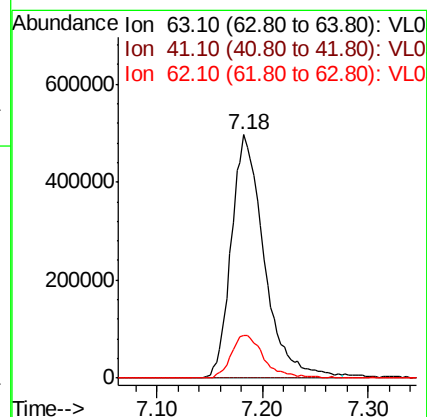
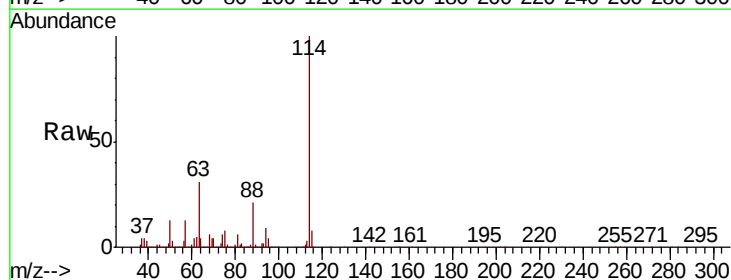
Tgt Ion: 63 Resp: 1077670

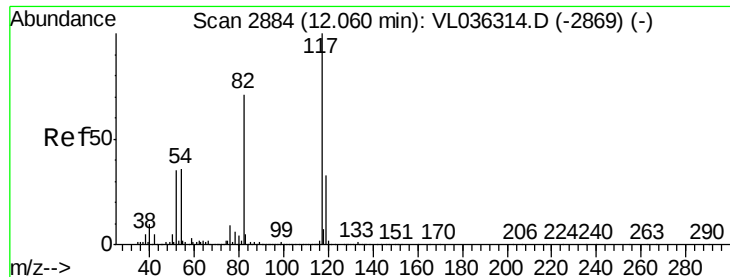
Ion Ratio Lower Upper

63 100

41 0.0 63.8 95.6#

62 17.7 52.3 78.5#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.04 min

Lab File: VL036352.D

Acq: 24 Feb 2021 16:01

Instrument :

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ClientSampleId :

NS-9DL

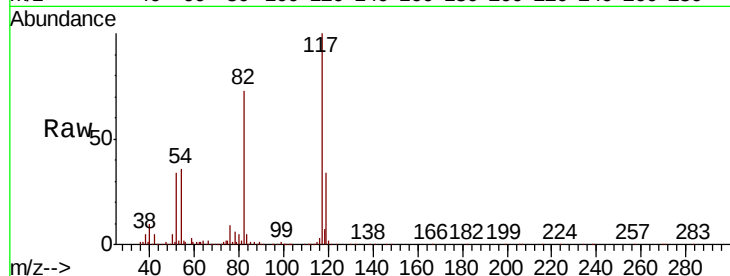
Tot Ion:117 Resp: 3358332

Ion Ratio Lower Upper

117 100

82 74.3 59.1 88.7

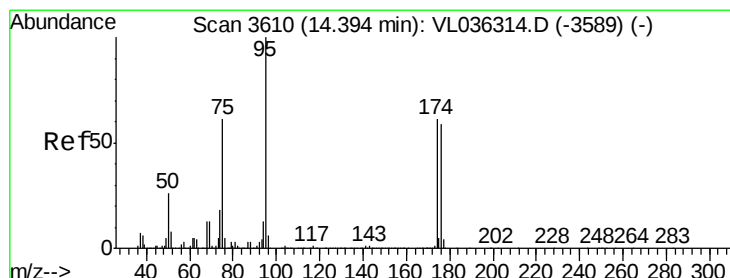
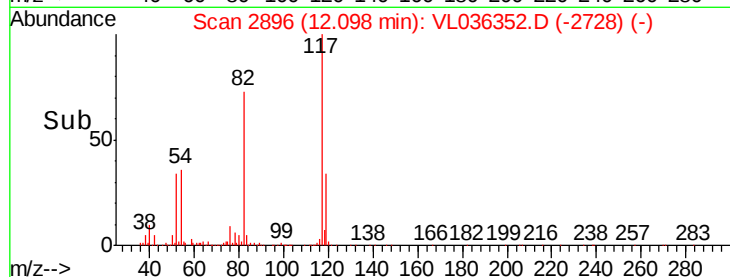
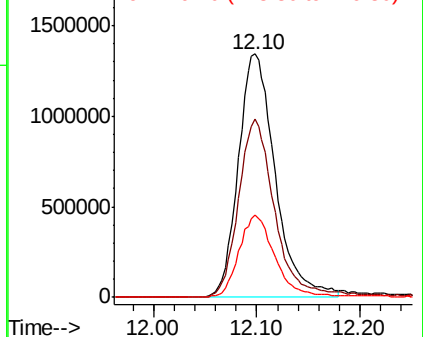
119 33.6 46.3 69.5#



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: 9.596 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.04 min

Lab File: VL036352.D

Acq: 24 Feb 2021 16:01

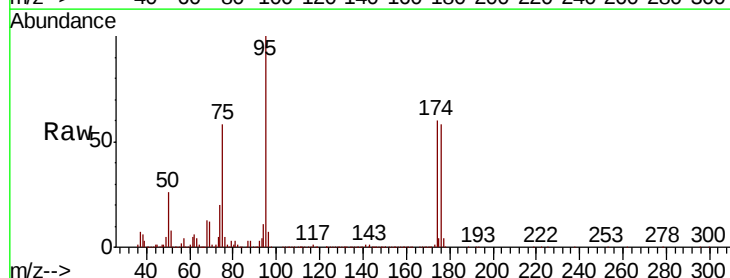
Tgt Ion: 95 Resp: 2651616

Ion Ratio Lower Upper

95 100

174 65.6 49.8 74.6

175 4.6 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

