

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036365.D
 Acq On : 25 Feb 2021 00:40
 Operator : SY/AP
 Sample : M1463-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-2DL

Quant Time: Feb 25 05:21:18 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	1673757	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3596593	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	3278257	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2598090	9.63	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

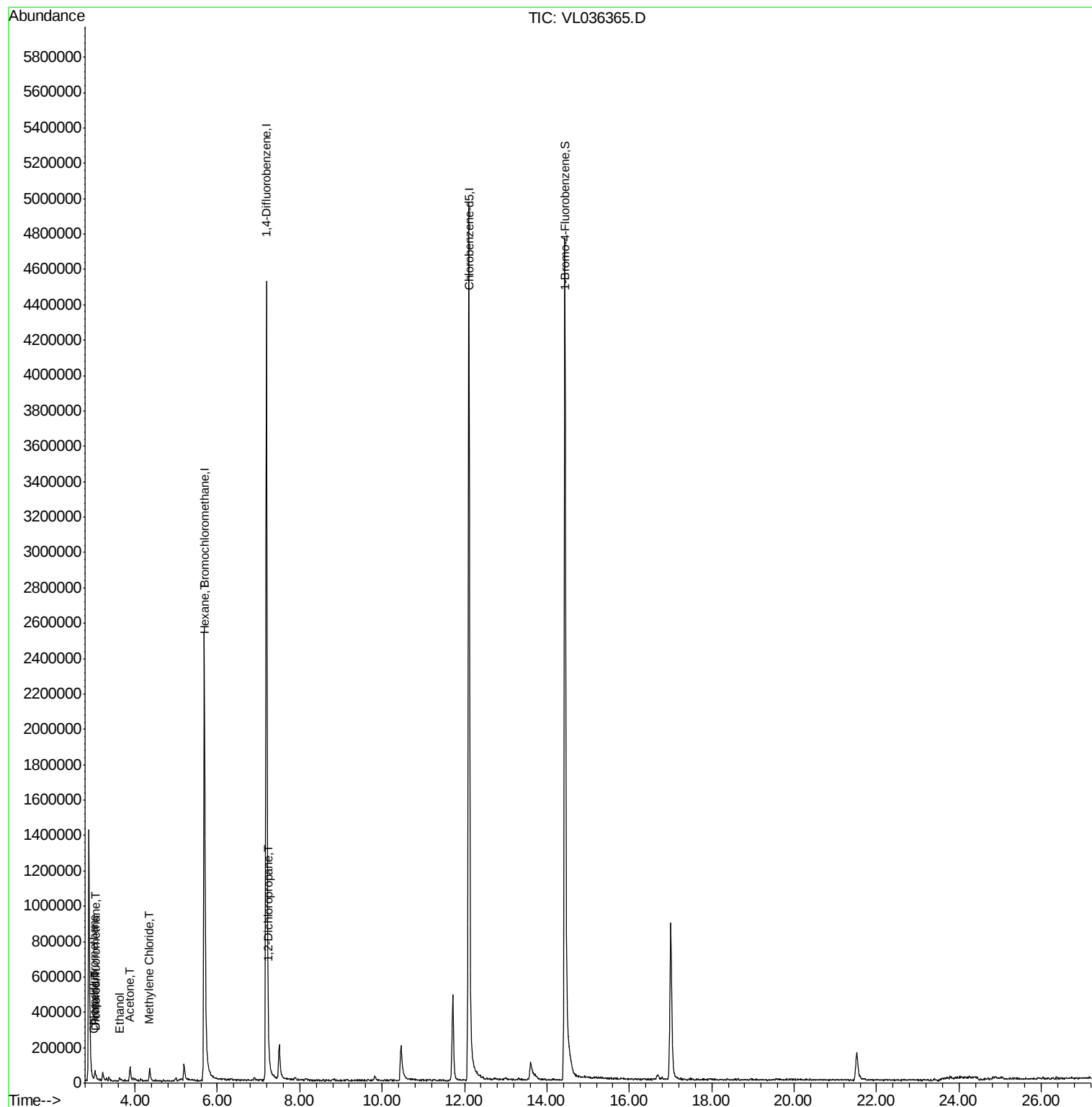
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	11592	0.046	ppbv	98
3) Chlorodifluoromethane	3.00	51	9882	0.048	ppbv #	79
9) Propene	3.03	41	16886	0.218	ppbv	99
13) Ethanol	3.63	45	8579	0.589	ppbv #	1
15) Acetone	3.87	43	90180	0.441	ppbv #	60
20) Methylene Chloride	4.36	84	14804	0.224	ppbv	85
26) Hexane	5.70	57	9886	0.061	ppbv #	45
39) 1,2-Dichloropropane	7.24	63	21135	0.170	ppbv #	22

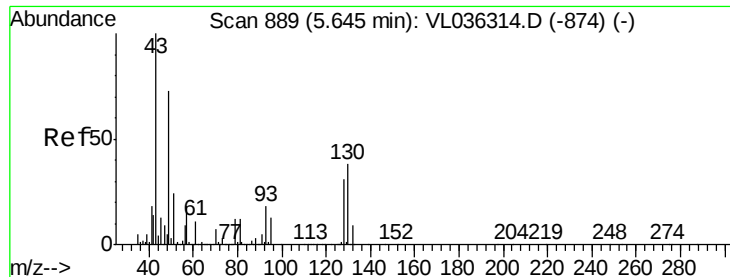
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.04 min

Lab File: VL036365.D

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ClientSampleId :

NS-2DL

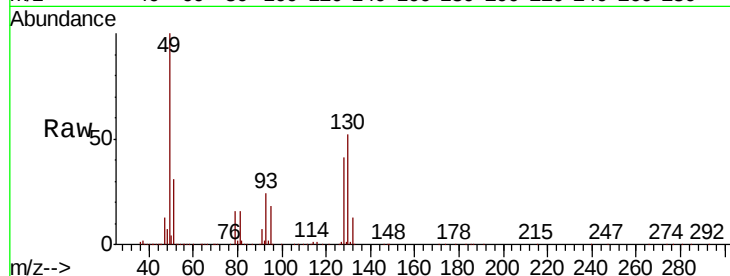
Tot Ion: 49 Resp: 1673757

Ion Ratio Lower Upper

49 100

128 41.3 20.8 62.5

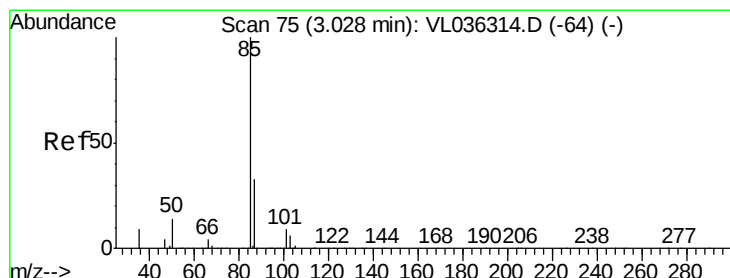
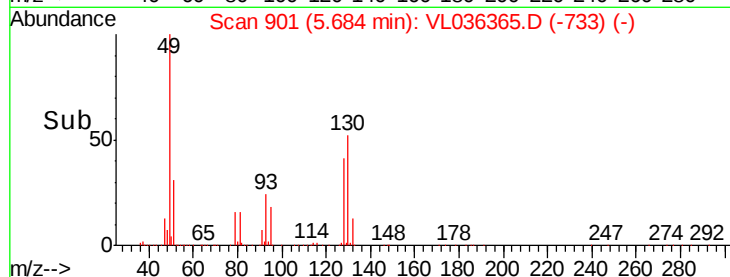
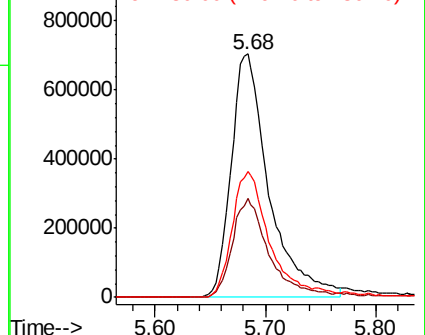
130 53.4 26.7 80.1



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



#2

Dichlorodifluoromethane

Concen: 0.046 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.03 min

Lab File: VL036365.D

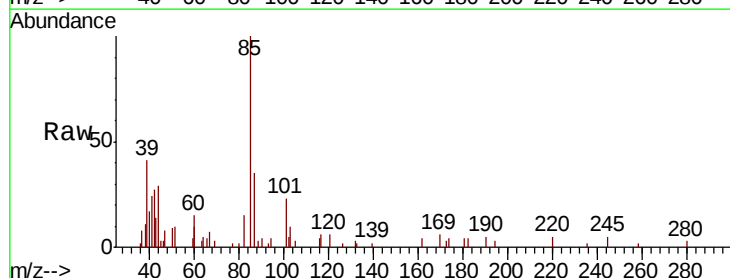
Acq: 25 Feb 2021 00:40

Tgt Ion: 85 Resp: 11592

Ion Ratio Lower Upper

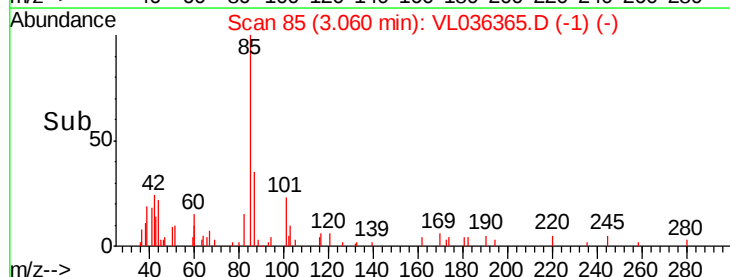
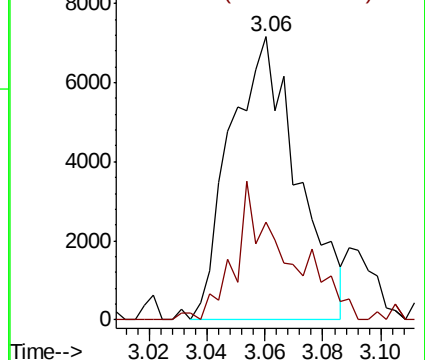
85 100

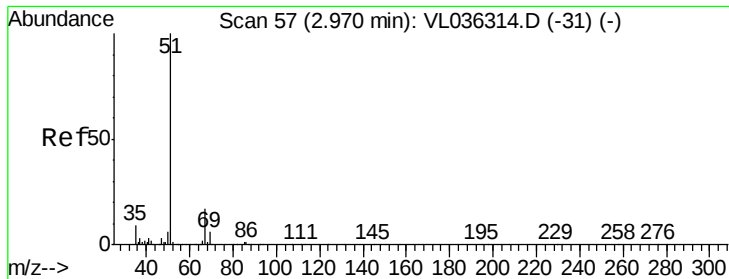
87 32.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.048 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.03 min

Lab File: VL036365.D

Acq: 25 Feb 2021 00:40

Instrument :

MSVOA_L

ClientSampleId :

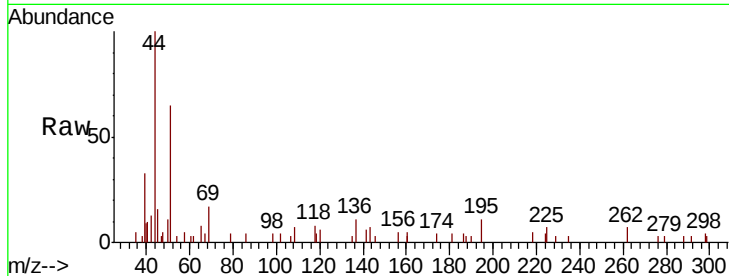
NS-2DL

Tot Ion: 51 Resp: 9882

Ion Ratio Lower Upper

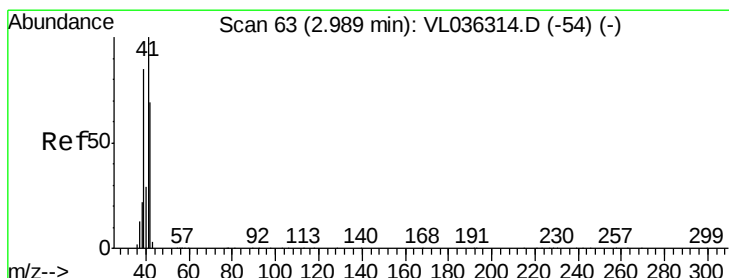
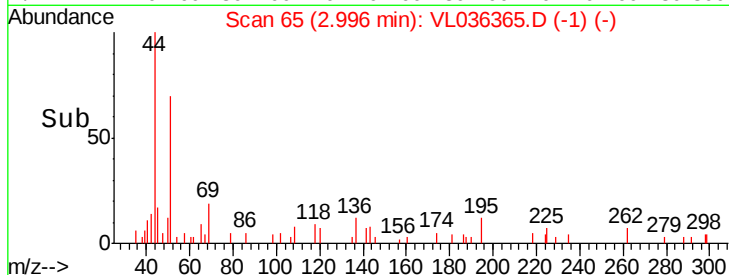
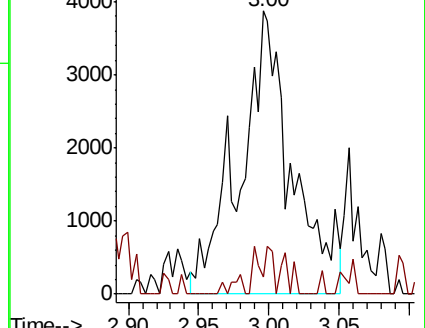
51 100

67 9.1 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.218 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.04 min

Lab File: VL036365.D

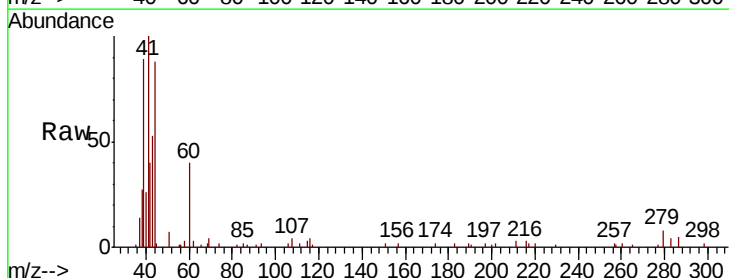
Acq: 25 Feb 2021 00:40

Tgt Ion: 41 Resp: 16886

Ion Ratio Lower Upper

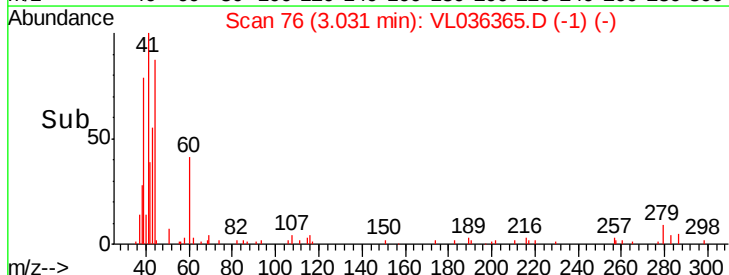
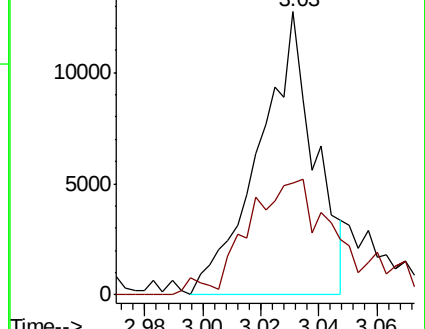
41 100

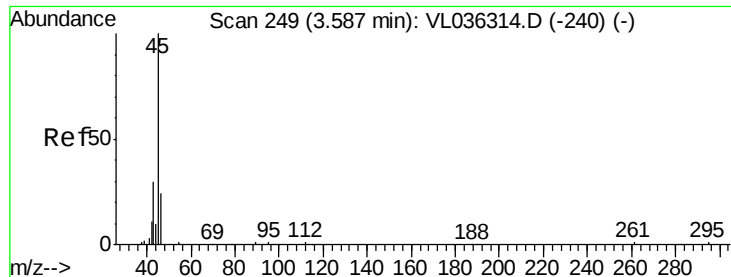
42 71.1 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.589 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.04 min

Lab File: VL036365.D

Acq: 25 Feb 2021 00:40

Instrument :

MSVOA_L

ClientSampleId :

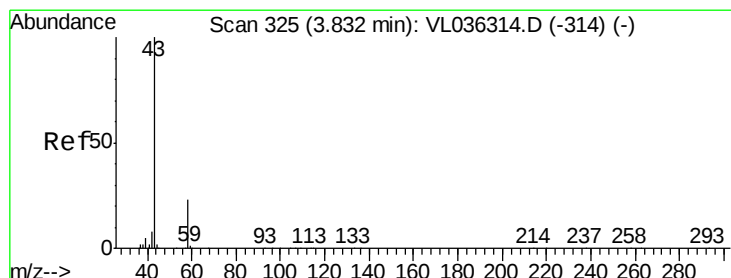
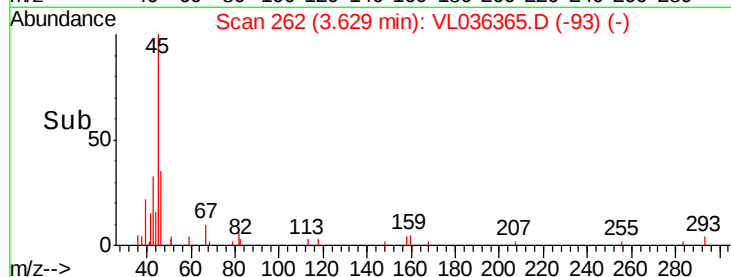
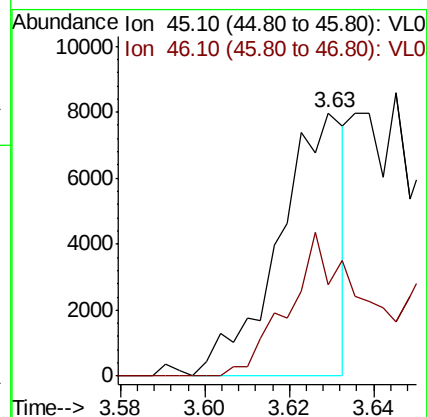
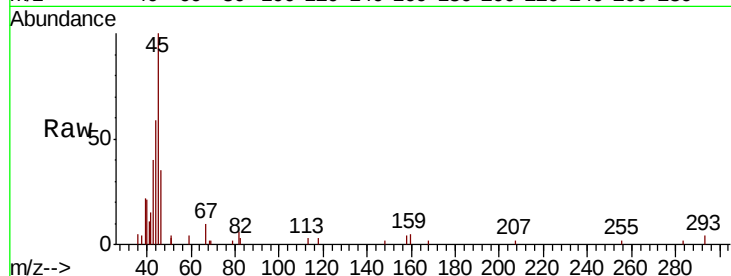
NS-2DL

Tot Ion: 45 Resp: 8579

Ion Ratio Lower Upper

45 100

46 108.9 17.7 70.7#



#15

Acetone

Concen: 0.441 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.04 min

Lab File: VL036365.D

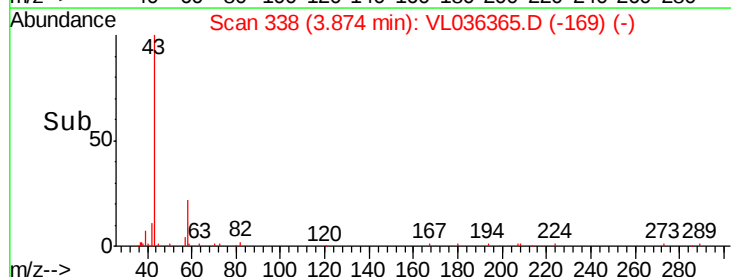
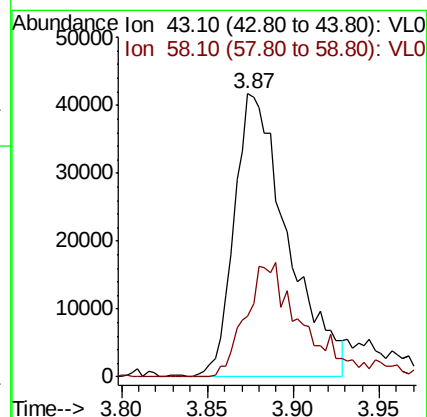
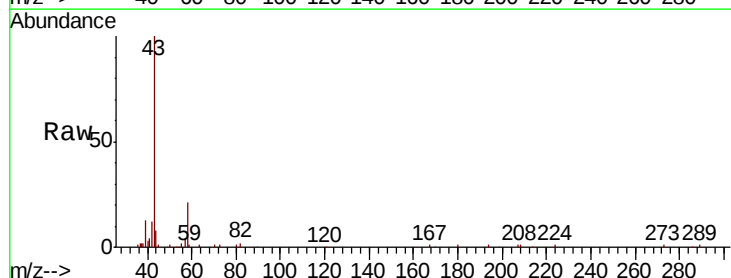
Acq: 25 Feb 2021 00:40

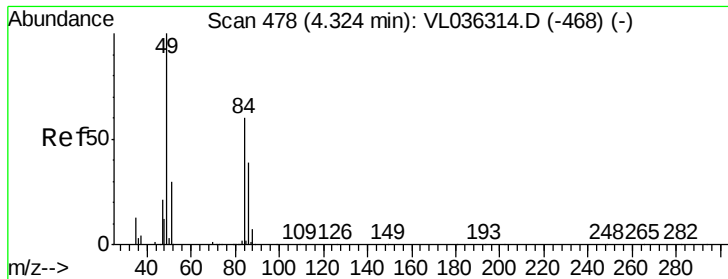
Tgt Ion: 43 Resp: 90180

Ion Ratio Lower Upper

43 100

58 45.5 20.3 30.5#

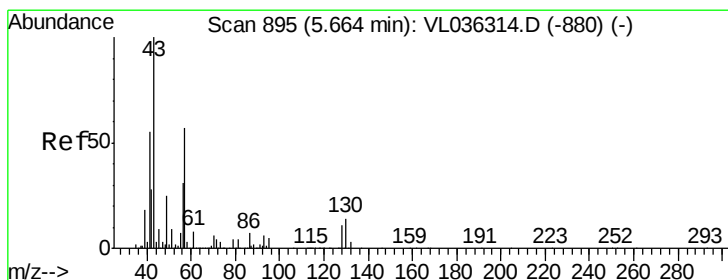
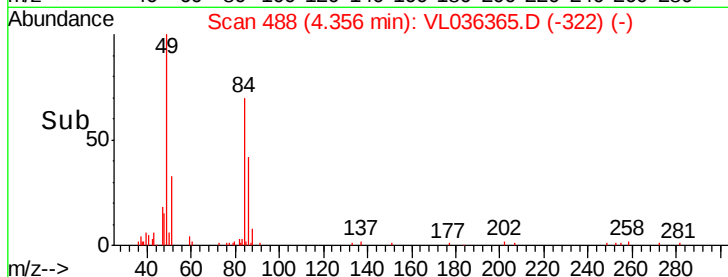
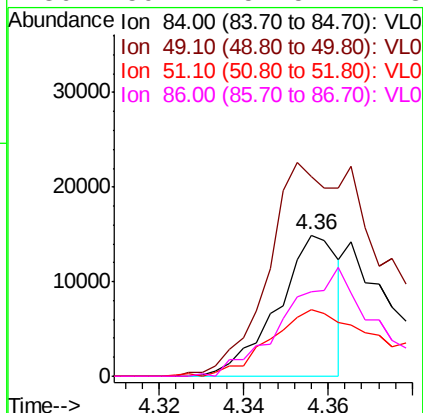
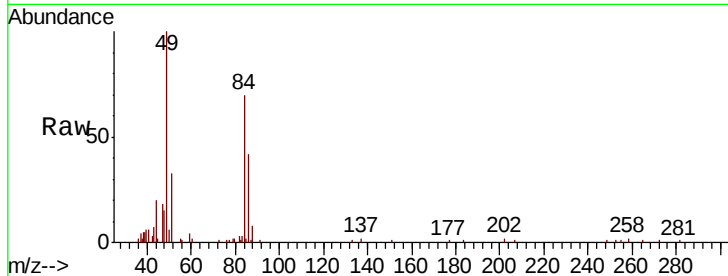




#20
Methvlene Chloride
Concen: 0.224 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL036365.D
Acq: 25 Feb 2021 00:40

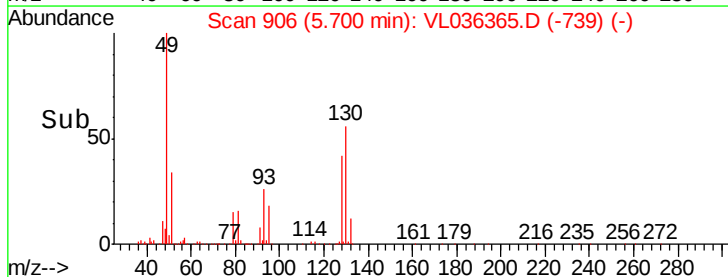
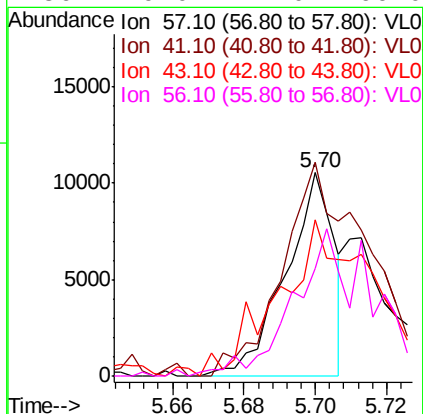
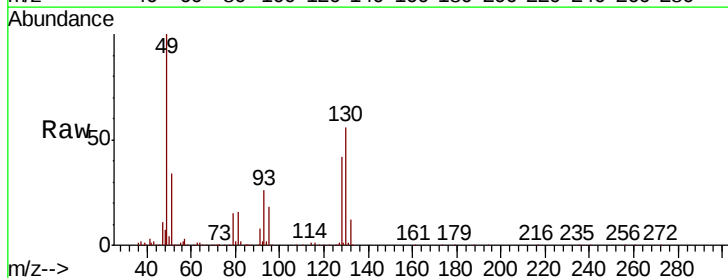
Instrument :
MSVOA_L
ClientSampleId :
NS-2DL

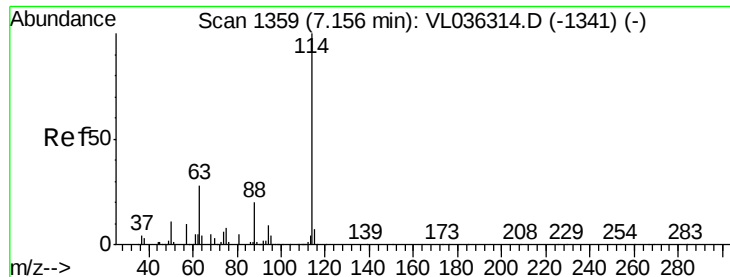
Tot Ion:	84	Resp:	14804
Ion	Ratio	Lower	Upper
84	100		
49	139.3	133.8	200.8
51	45.1	41.4	62.0
86	59.7	51.5	77.3



#26
Hexane
Concen: 0.061 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.04 min
Lab File: VL036365.D
Acq: 25 Feb 2021 00:40

Tgt Ion:	57	Resp:	9886
Ion	Ratio	Lower	Upper
57	100		
41	196.5	81.7	122.5#
43	199.7	199.1	298.7
56	129.0	44.0	66.0#

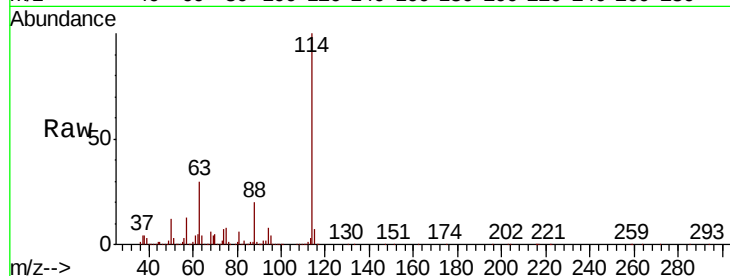




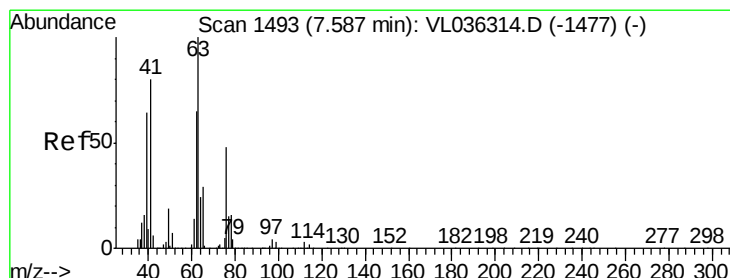
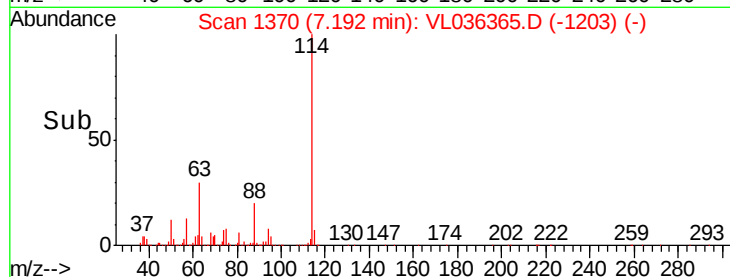
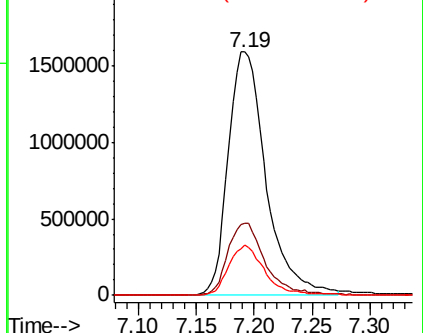
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.04 min
 Lab File: VL036365.D
 Acq: 25 Feb 2021 00:40

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-2DL

Tot Ion:114 Resp: 3596593
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.1 36.1
 88 20.2 16.0 24.0

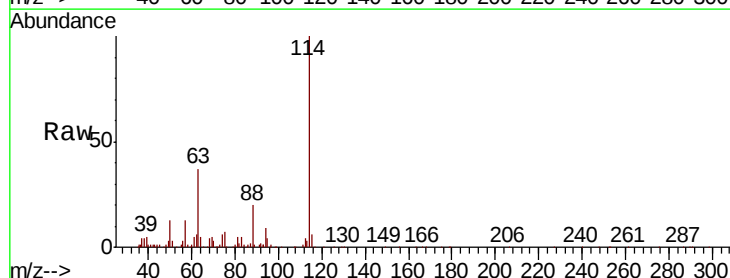


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

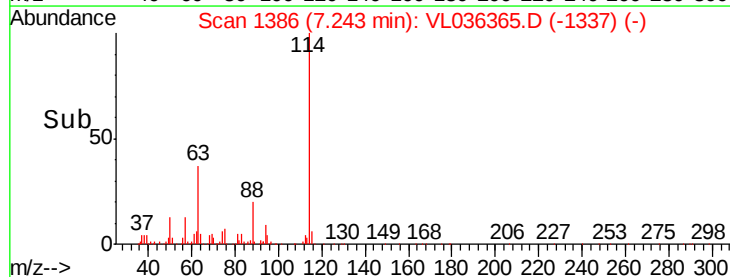
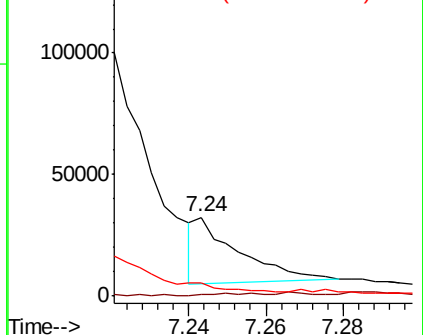


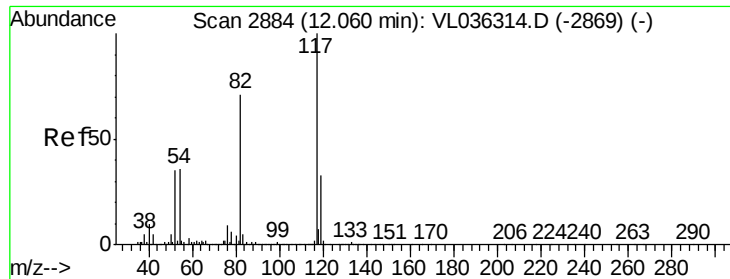
#39
 1,2-Dichloropropane
 Concen: 0.170 ppbv
 RT: 7.24 min Scan# 1386
 Delta R.T. -0.34 min
 Lab File: VL036365.D
 Acq: 25 Feb 2021 00:40

Tgt Ion: 63 Resp: 21135
 Ion Ratio Lower Upper
 63 100
 41 1.7 63.8 95.6#
 62 13.9 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: 12.11 min Scan# 2899

Delta R.T. 0.05 min

Lab File: VL036365.D

Acq: 25 Feb 2021 00:40

Instrument :

MSVOA_L

ClientSampleId :

NS-2DL

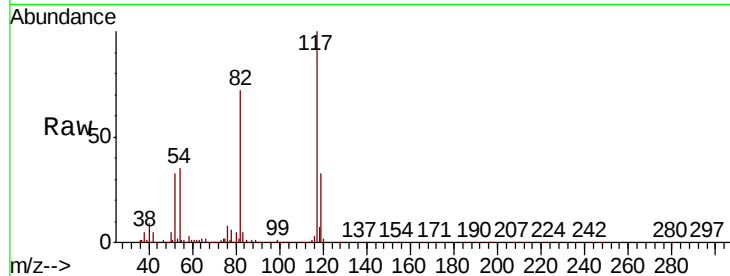
Tot Ion:117 Resp: 3278257

Ion Ratio Lower Upper

117 100

82 73.5 59.1 88.7

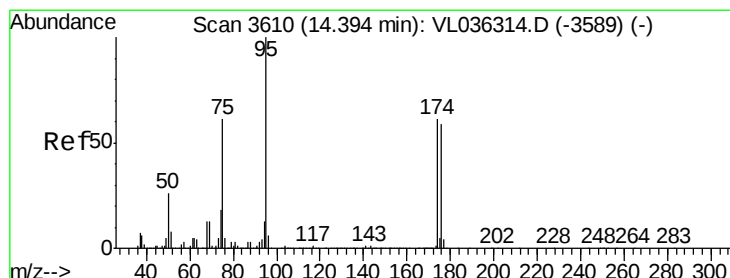
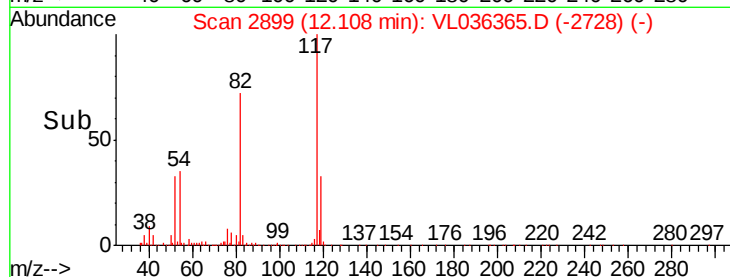
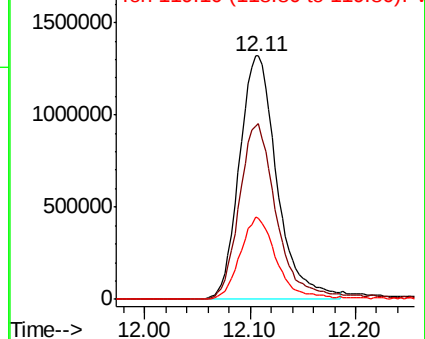
119 33.8 46.3 69.5#



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: 9.632 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.04 min

Lab File: VL036365.D

Acq: 25 Feb 2021 00:40

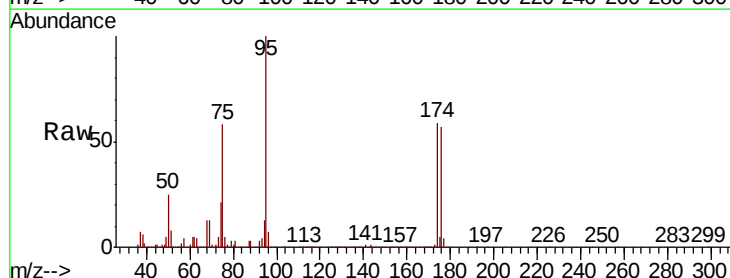
Tgt Ion: 95 Resp: 2598090

Ion Ratio Lower Upper

95 100

174 65.2 49.8 74.6

175 4.9 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

