

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036580.D
 Acq On : 30 Mar 2021 21:49
 Operator : SY/AP
 Sample : M1797-07DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:17:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1366400	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3125445	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2838454	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2218781	9.81	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

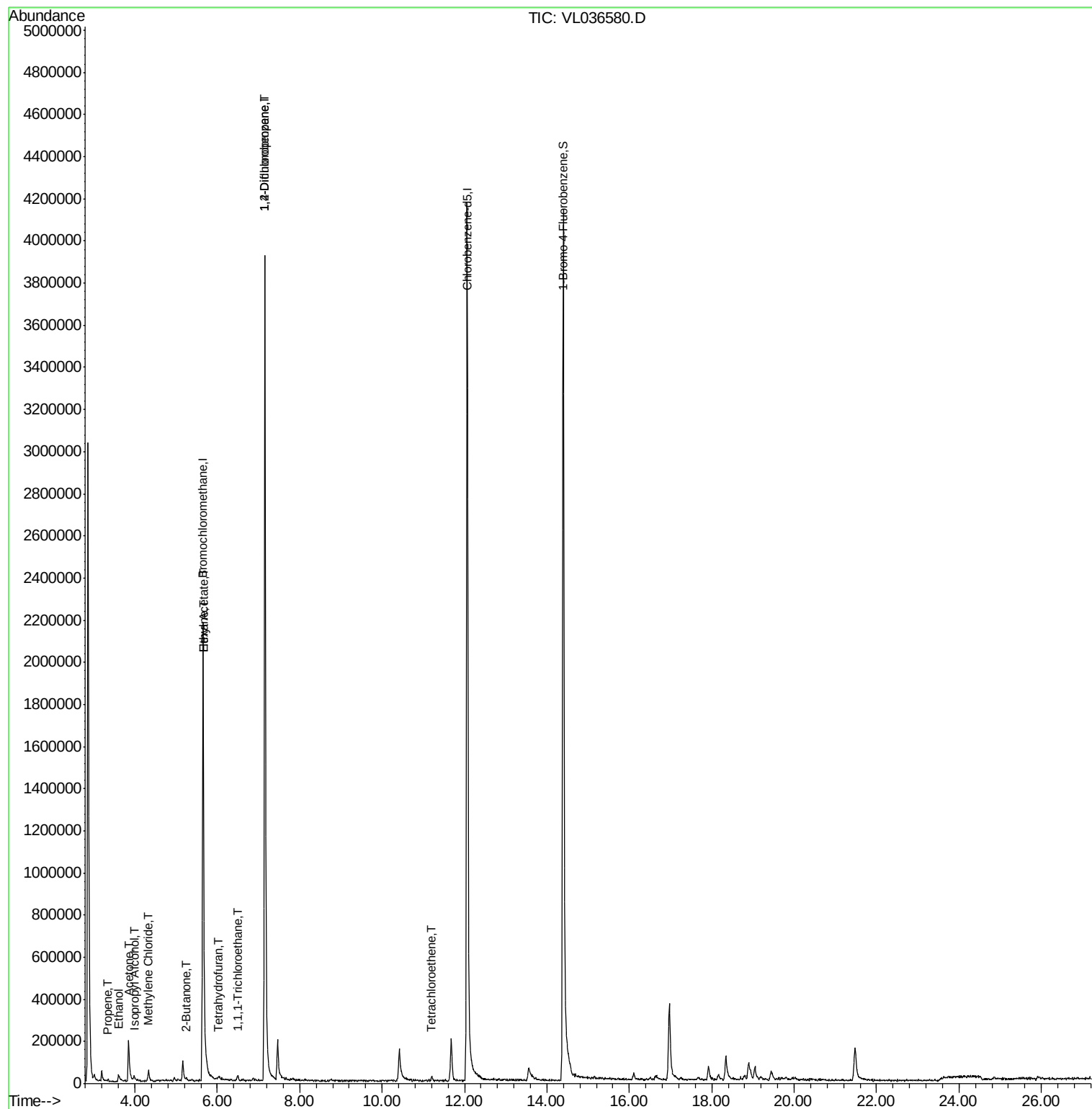
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.35	41	3628	0.045	ppbv	84
13) Ethanol	3.60	45	18293	1.887	ppbv #	34
15) Acetone	3.84	43	270562	2.012	ppbv #	83
19) Isopropyl Alcohol	3.97	45	2650	0.036	ppbv #	89
20) Methylene Chloride	4.33	84	11554	0.183	ppbv #	87
25) Ethyl Acetate	5.67	43	7367	0.023	ppbv #	76
26) Hexane	5.67	57	4782	0.032	ppbv #	41
32) 1,1,1-Trichloroethane	6.50	97	5386	0.023	ppbv #	1
34) 2-Butanone	5.24	43	6627	0.043	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	852392	7.290	ppbv #	23
41) Tetrahydrofuran	6.03	42	2010	0.029	ppbv #	51
52) Tetrachloroethene	11.19	164	3305	0.031	ppbv #	54

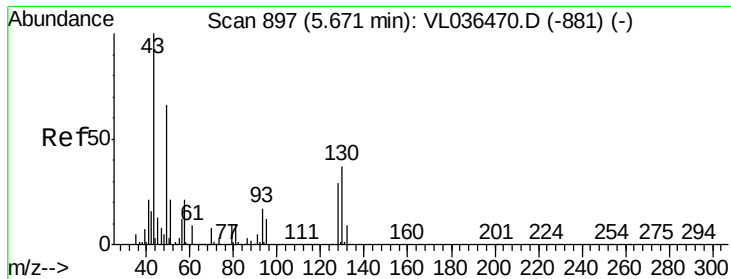
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

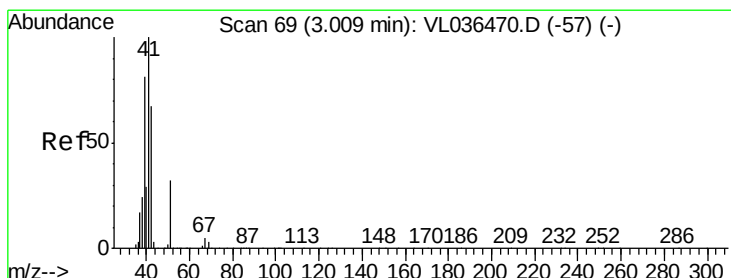
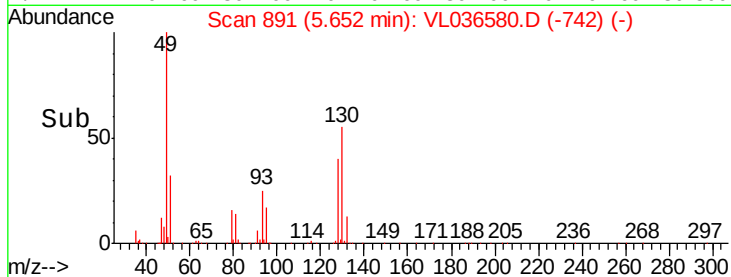
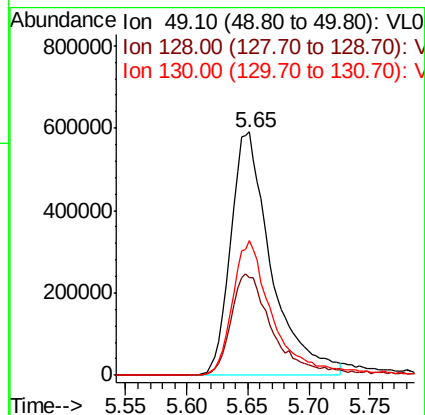
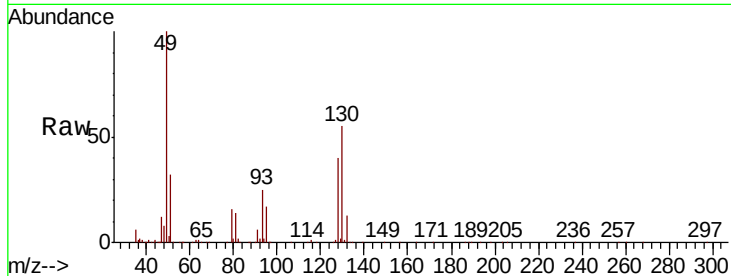




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. -0.02 min
 Lab File: VL036580.D
 Acq: 30 Mar 2021 21:49

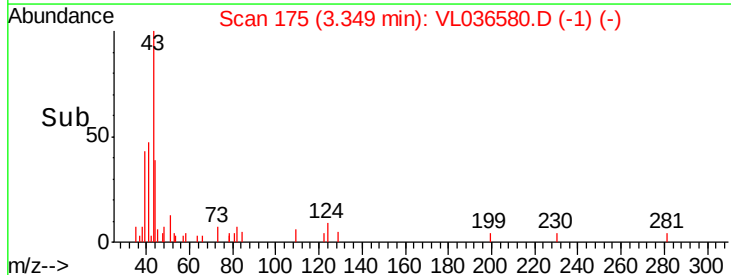
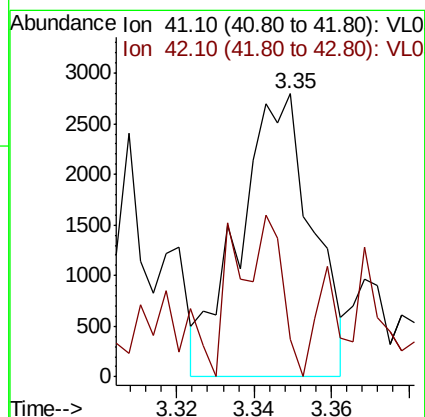
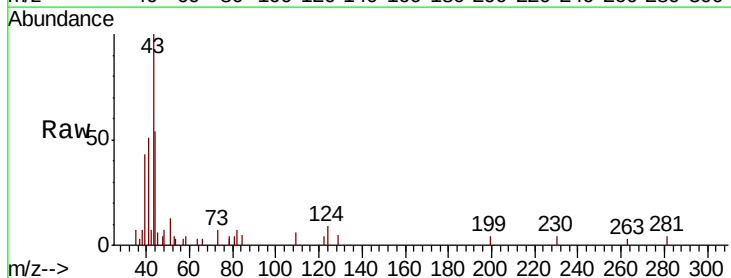
Instrument :
 MSVOA_L
 ClientSampleId :

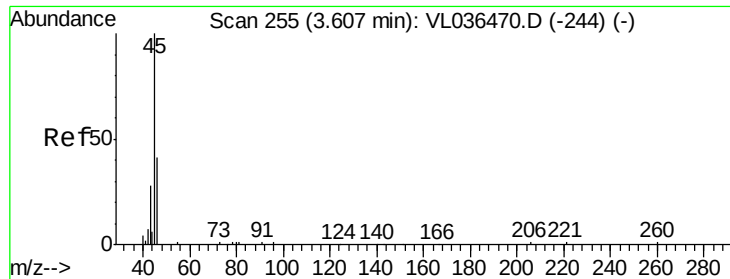
Tot Ion: 49 Resp: 1366400
 Ion Ratio Lower Upper
 49 100
 128 44.5 23.5 70.6
 130 57.3 29.1 87.4



#9
 Propene
 Concen: 0.045 ppbv
 RT: 3.35 min Scan# 175
 Delta R.T. 0.34 min
 Lab File: VL036580.D
 Acq: 30 Mar 2021 21:49

Tgt Ion: 41 Resp: 3628
 Ion Ratio Lower Upper
 41 100
 42 84.2 57.0 85.4

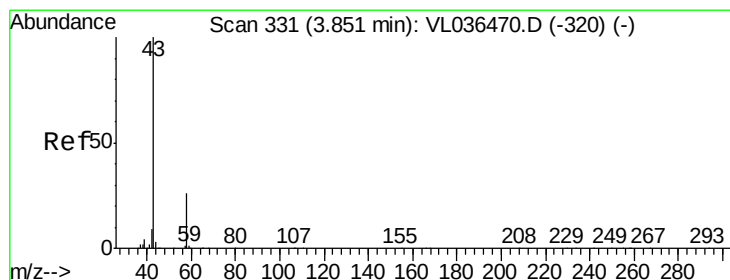
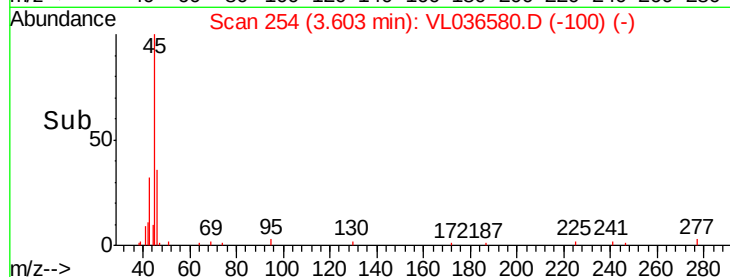
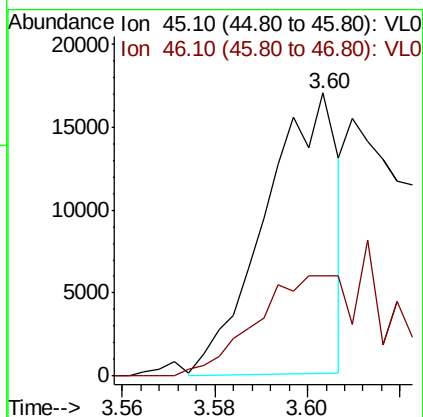
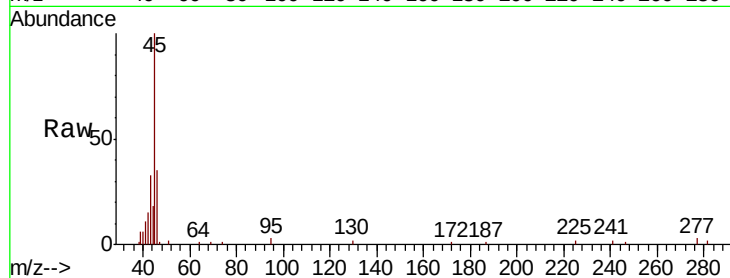




#13
Ethanol
Concen: 1.887 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

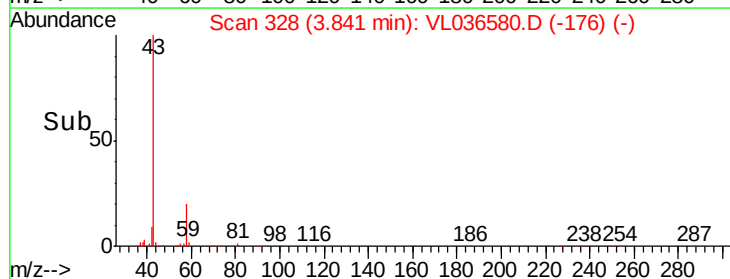
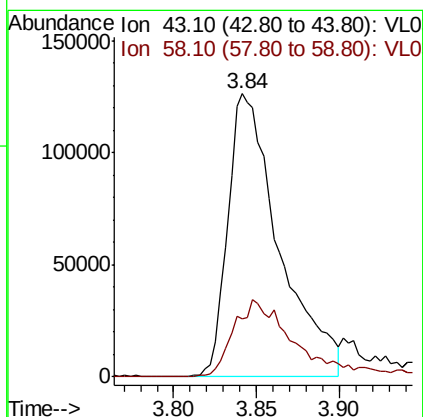
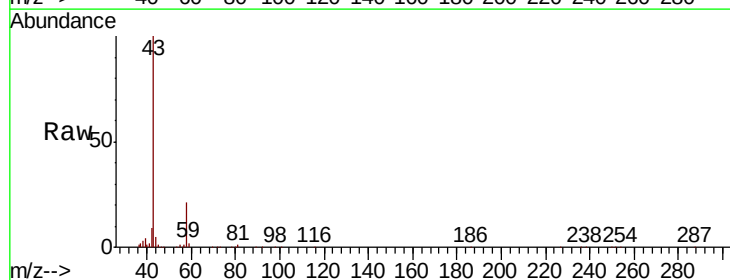
Instrument :
MSVOA_L
ClientSampleId :

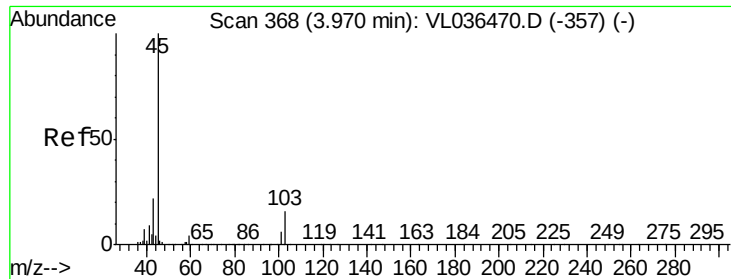
Tot Ion: 45 Resp: 18293
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#



#15
Acetone
Concen: 2.012 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 43 Resp: 270562
Ion Ratio Lower Upper
43 100
58 35.4 21.2 31.8#





#19

Isopropyl Alcohol

Concen: 0.036 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL036580.D

Acq: 30 Mar 2021 21:49

Instrument :

MSVOA_L

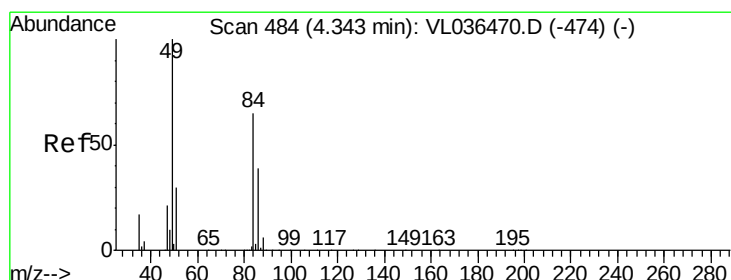
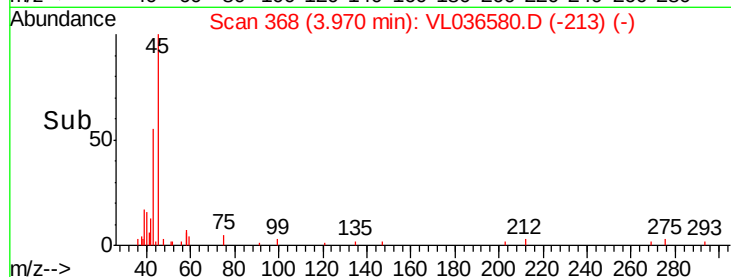
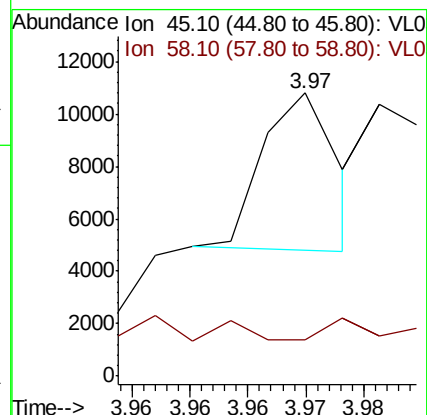
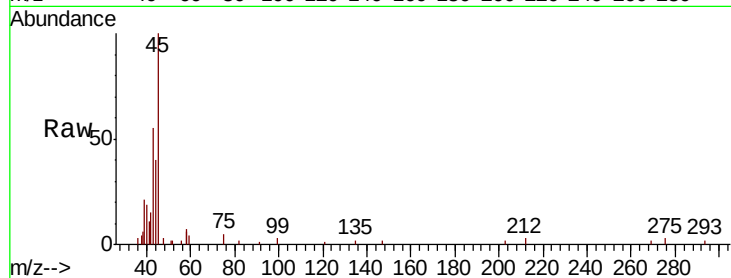
ClientSampleId :

Tot Ion: 45 Resp: 2650

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#



#20

Methylene Chloride

Concen: 0.183 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL036580.D

Acq: 30 Mar 2021 21:49

Tgt Ion: 84 Resp: 11554

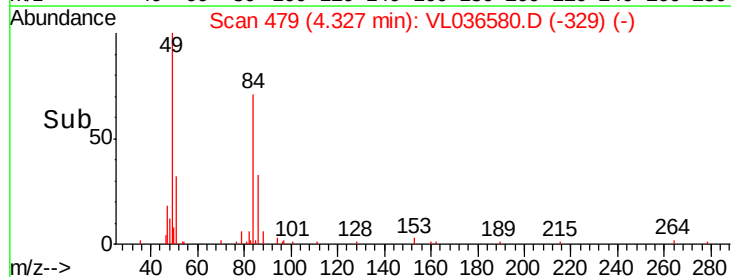
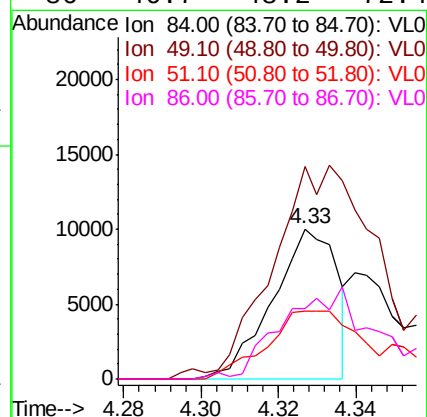
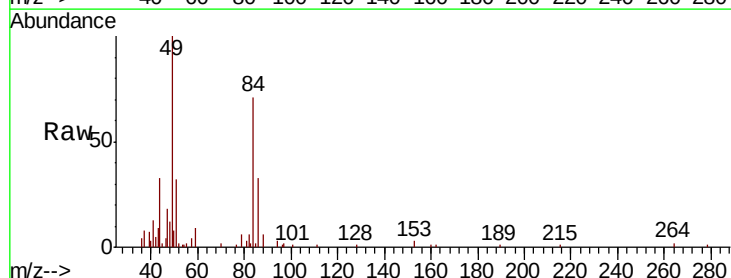
Ion Ratio Lower Upper

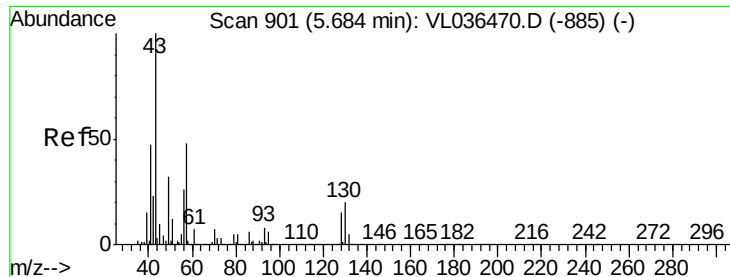
84 100

49 133.9 122.9 184.3

51 45.4 36.9 55.3

86 46.7 48.2 72.4#





#25

Ethyl Acetate

Concen: 0.023 ppbv

RT: 5.67 min Scan# 896

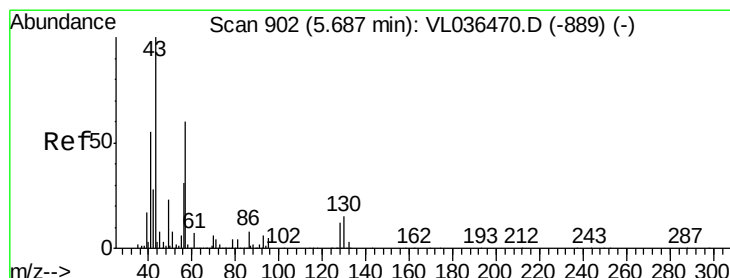
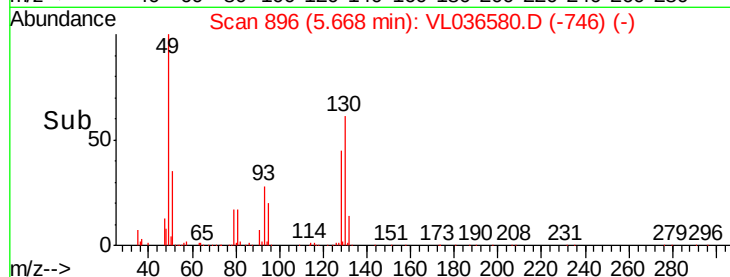
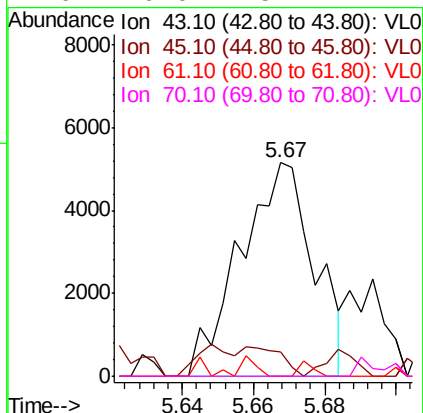
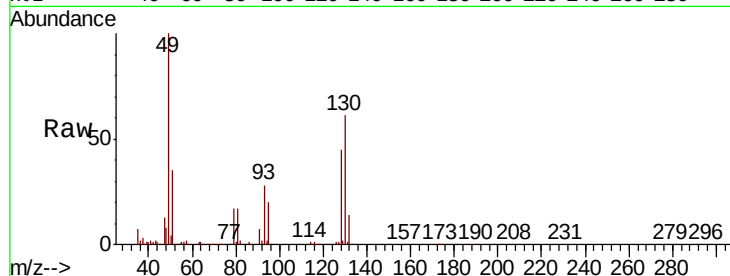
Delta R.T. -0.02 min

Lab File: VL036580.D

Acq: 30 Mar 2021 21:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	7367
Ion	Ratio	Lower	Upper
43	100		
45	24.6	7.9	11.9#
61	5.0	7.4	11.2#
70	0.0	5.1	7.7#



#26

Hexane

Concen: 0.032 ppbv

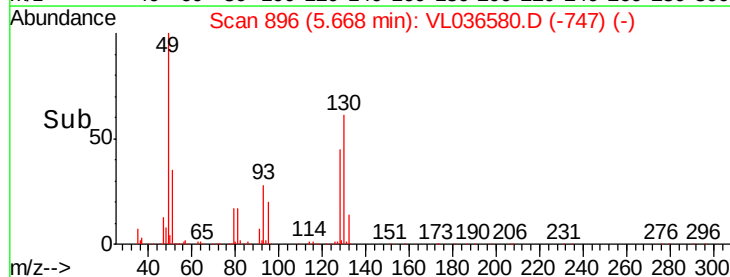
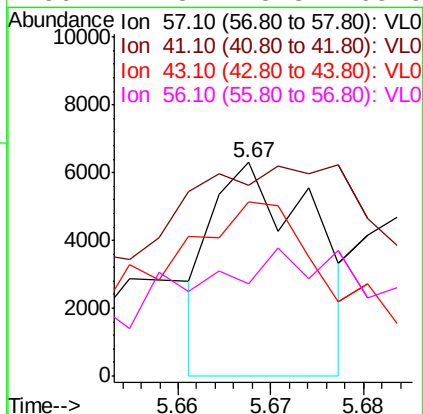
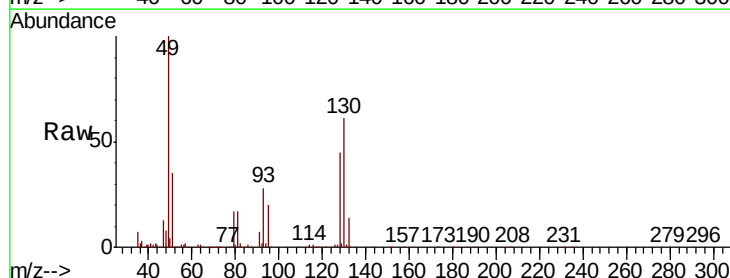
RT: 5.67 min Scan# 896

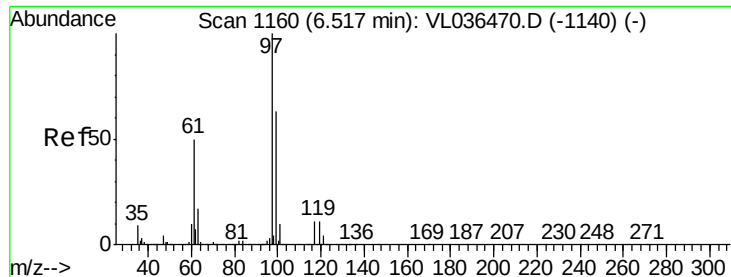
Delta R.T. -0.02 min

Lab File: VL036580.D

Acq: 30 Mar 2021 21:49

Tgt Ion:	57	Resp:	4782
Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.2	115.8#
43	193.0	173.8	260.6
56	171.8	43.8	65.6#





#32

1,1,1-Trichloroethane

Concen: 0.023 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VL036580.D

Acq: 30 Mar 2021 21:49

Instrument :

MSVOA_L

ClientSampleId :

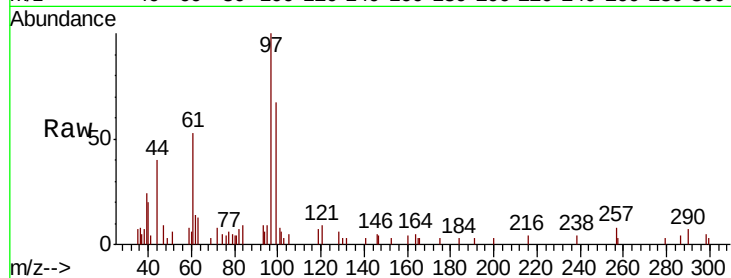
Tot Ion: 97 Resp: 5386

Ion Ratio Lower Upper

97 100

99 202.5 51.4 77.0#

61 150.4 40.6 60.8#

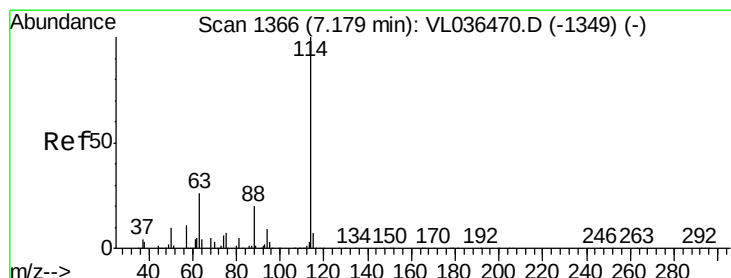
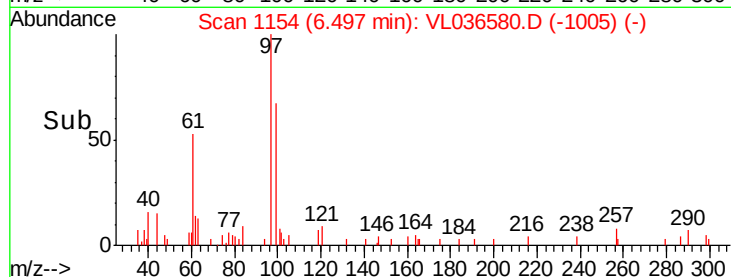
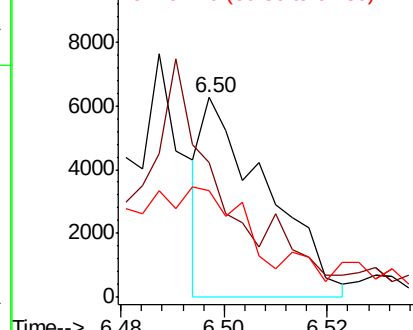


Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.03 min

Lab File: VL036580.D

Acq: 30 Mar 2021 21:49

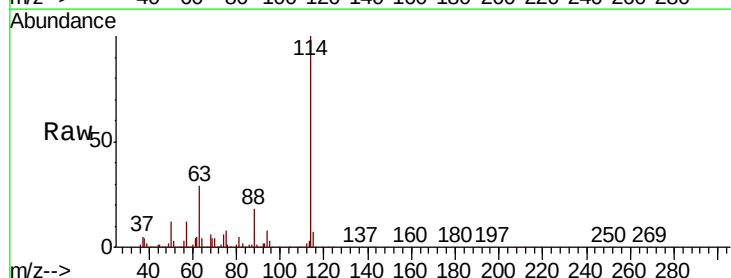
Tgt Ion: 114 Resp: 3125445

Ion Ratio Lower Upper

114 100

63 28.0 22.4 33.6

88 19.1 15.4 23.0

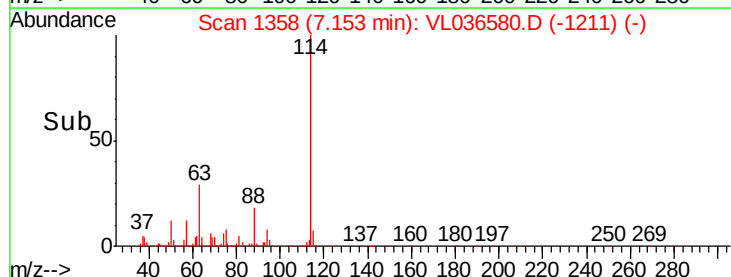
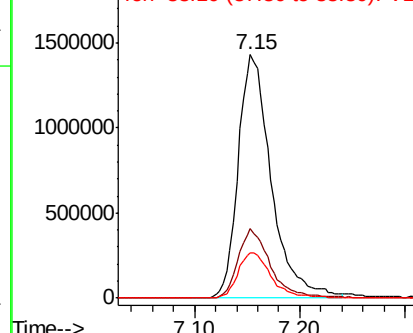


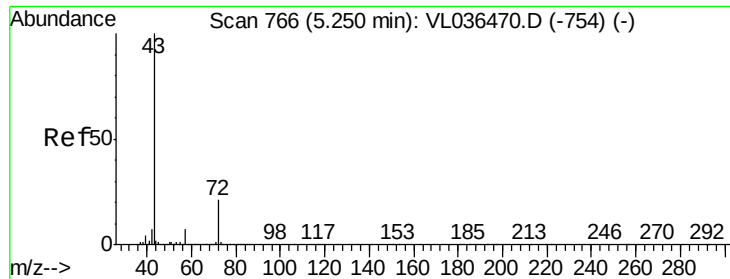
Abundance

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

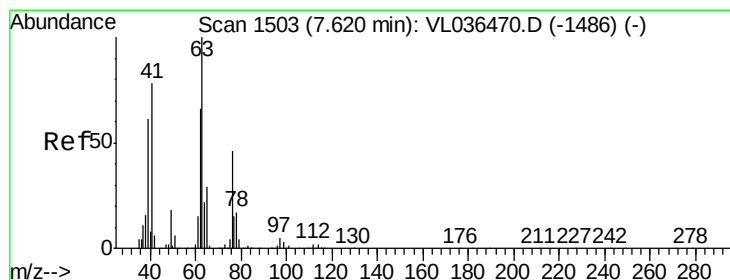
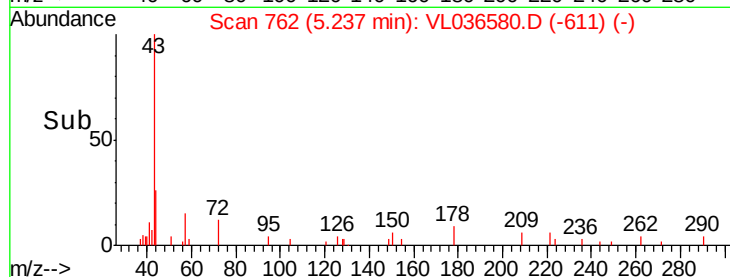
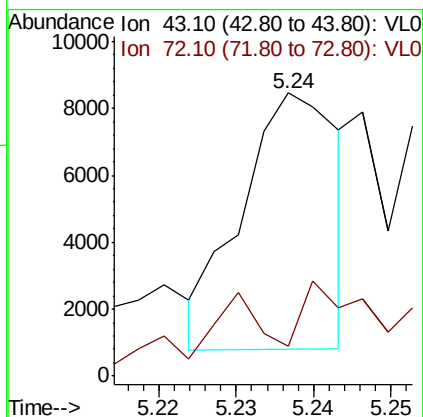
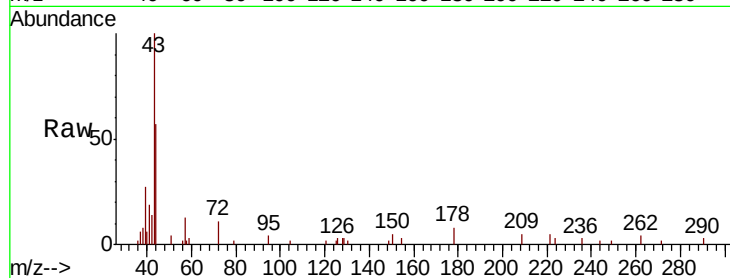




#34
2-Butanone
Concen: 0.043 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.01 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

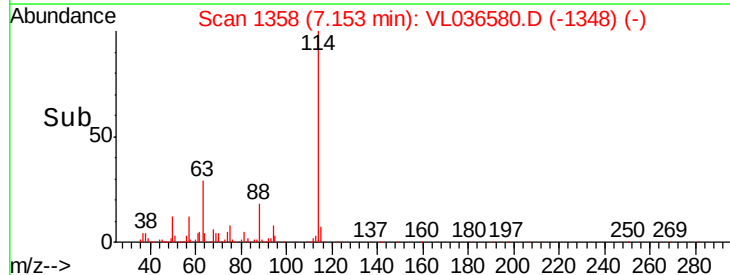
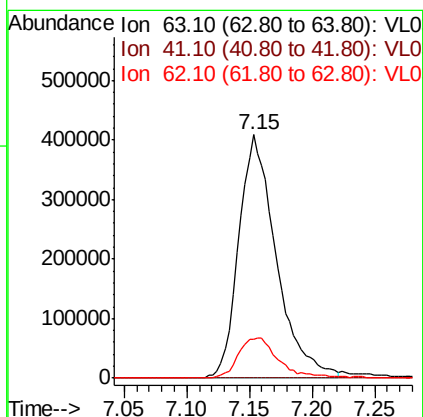
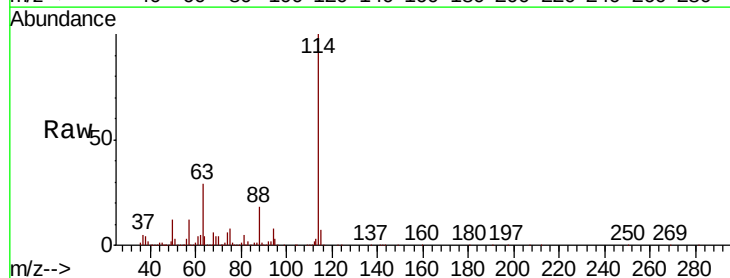
Instrument :
MSVOA_L
ClientSampleId :

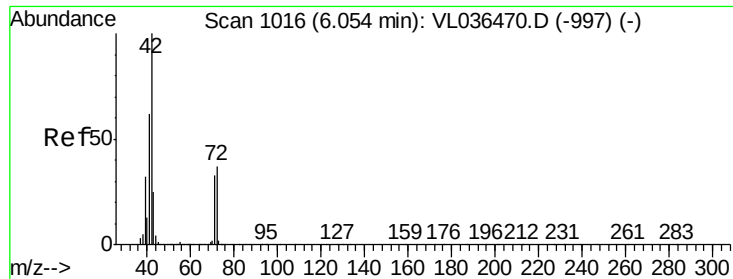
Tot Ion: 43 Resp: 6627
Ion Ratio Lower Upper
43 100
72 71.5 17.0 25.6#



#39
1,2-Dichloropropane
Concen: 7.290 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.47 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 63 Resp: 852392
Ion Ratio Lower Upper
63 100
41 0.0 62.4 93.6#
62 16.2 52.8 79.2#





#41

Tetrahydrofuran

Concen: 0.029 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.02 min

Lab File: VL036580.D

Acq: 30 Mar 2021 21:49

Instrument :

MSVOA_L

ClientSampleId :

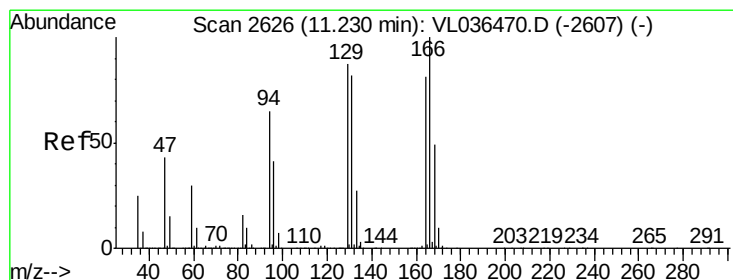
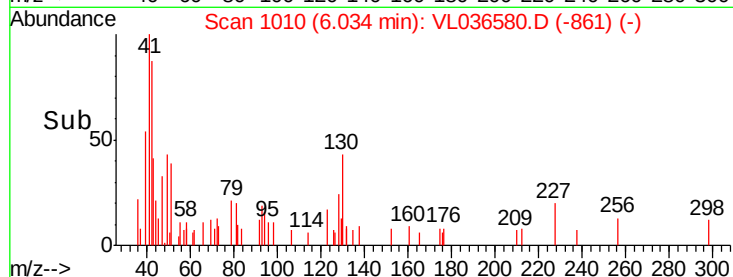
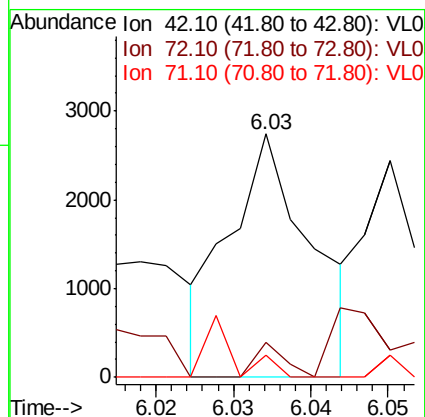
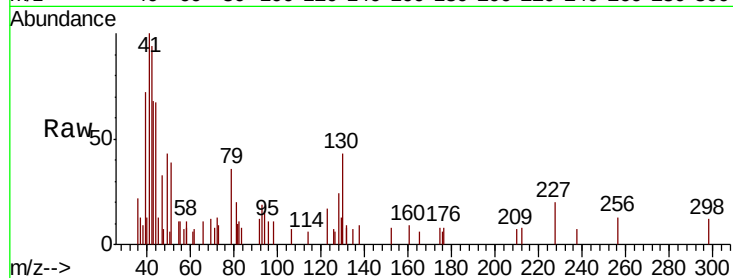
Tot Ion: 42 Resp: 2010

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

71 11.5 27.0 40.4#



#52

Tetrachloroethene

Concen: 0.031 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.04 min

Lab File: VL036580.D

Acq: 30 Mar 2021 21:49

Tgt Ion: 164 Resp: 3305

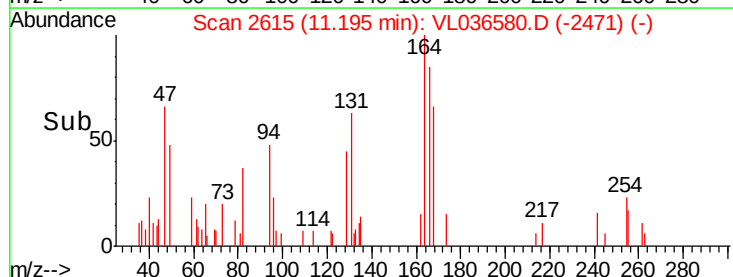
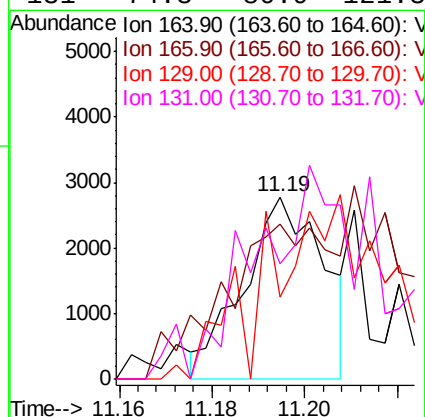
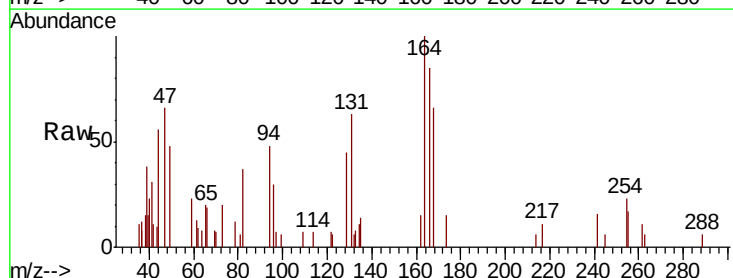
Ion Ratio Lower Upper

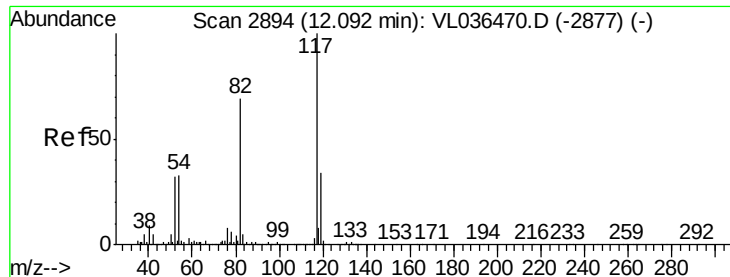
164 100

166 58.4 98.3 147.5#

129 52.8 85.8 128.8#

131 74.3 80.9 121.3#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL036580.D

Acq: 30 Mar 2021 21:49

Instrument :

MSVOA_L

ClientSampled :

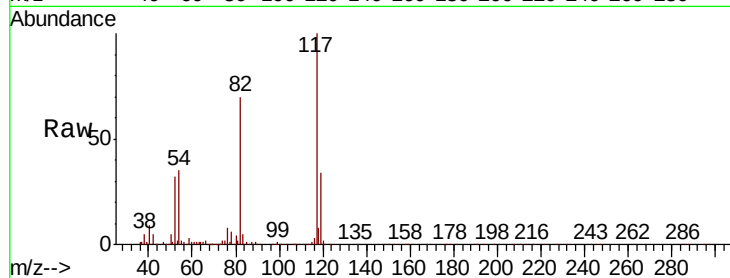
Tot Ion:117 Resp: 2838454

Ion Ratio Lower Upper

117 100

82 70.6 57.4 86.0

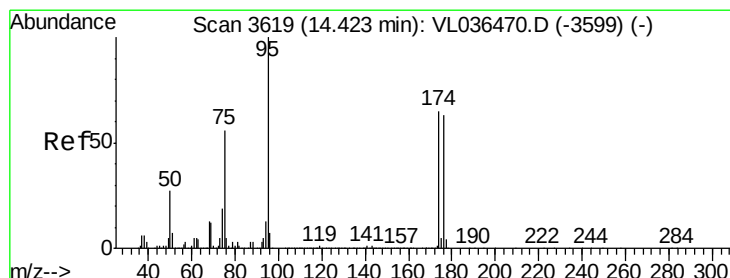
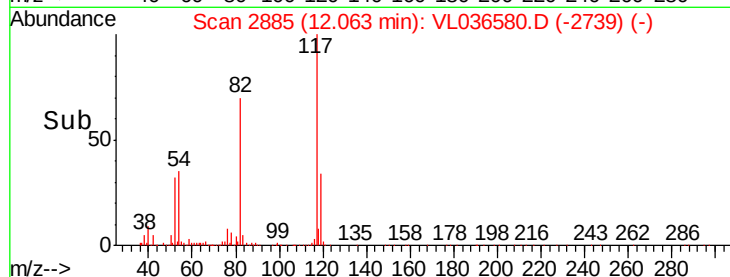
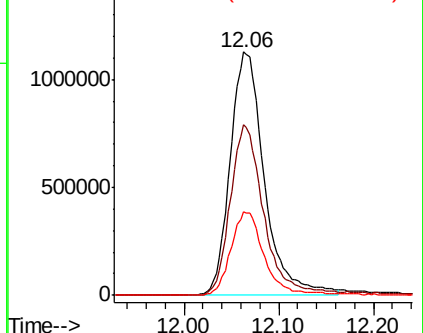
119 33.9 47.4 71.0#



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: 9.808 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL036580.D

Acq: 30 Mar 2021 21:49

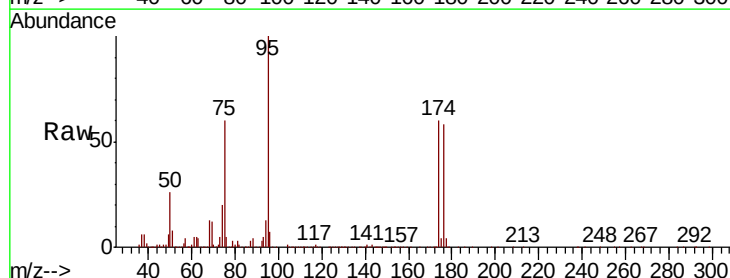
Tgt Ion: 95 Resp: 2218781

Ion Ratio Lower Upper

95 100

174 65.0 51.0 76.6

175 4.7 3.9 5.9



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

