

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036977.D
 Acq On : 18 May 2021 20:21
 Operator : SY/AP
 Sample : M2430-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: May 19 03:15:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1215061	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3544345	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3280919	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2652887	10.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.60%

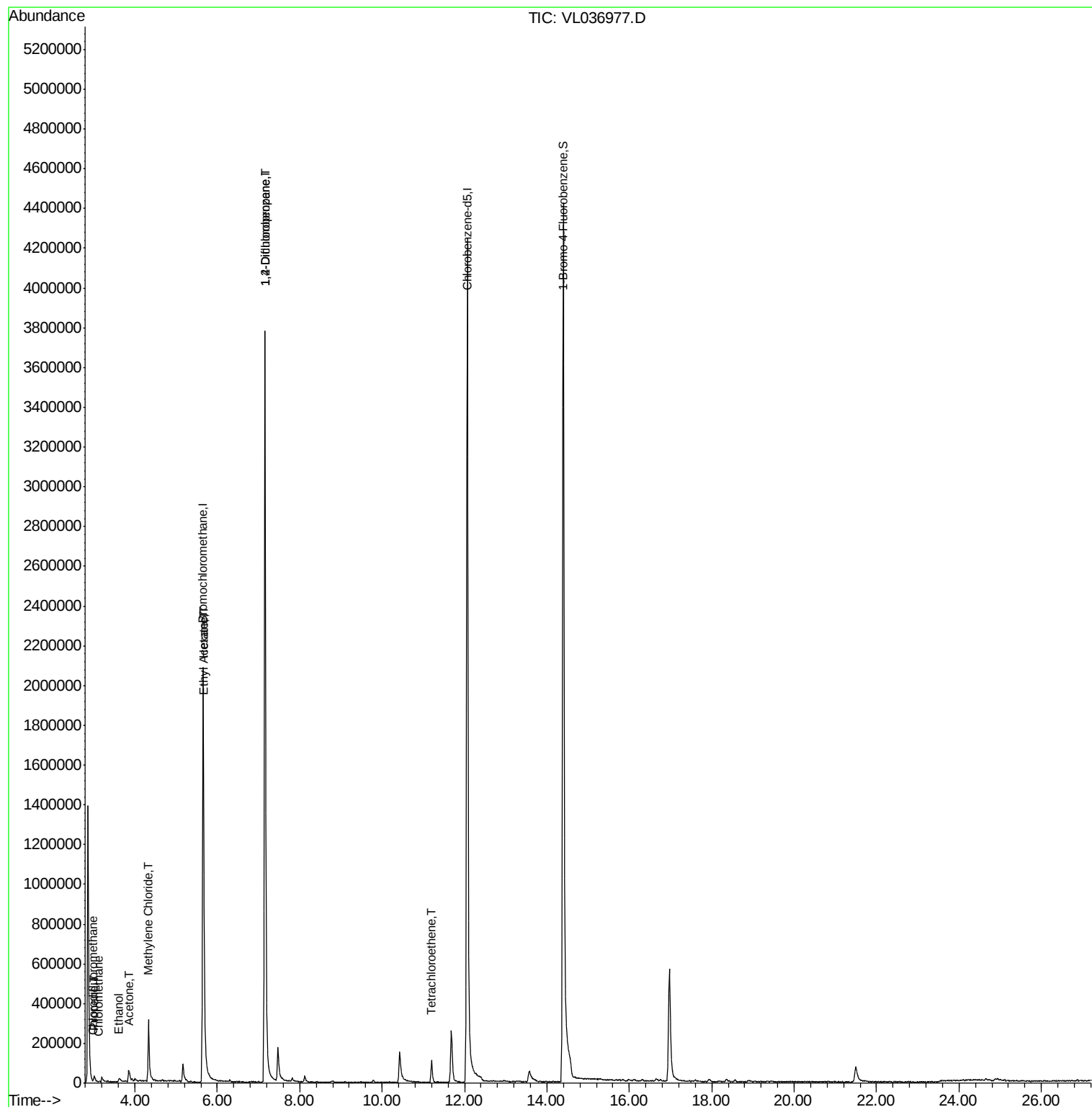
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	8522	0.038	ppbv #	85
4) Chloromethane	3.12	50	3292	0.043	ppbv #	62
9) Propene	3.01	41	9121	0.114	ppbv	92
13) Ethanol	3.60	45	6989	0.657	ppbv #	35
15) Acetone	3.85	43	71891	0.578	ppbv #	46
20) Methylene Chloride	4.33	84	125628	1.883	ppbv	95
25) Ethyl Acetate	5.67	43	103458	0.346	ppbv #	77
26) Hexane	5.67	57	146595	0.960	ppbv #	47
39) 1,2-Dichloropropane	7.15	63	824462	7.010	ppbv #	26
52) Tetrachloroethene	11.20	164	13248	0.109	ppbv	89

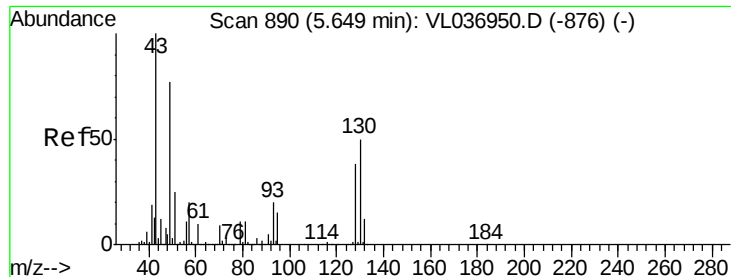
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051821\
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Misc : 400mL/MSVOA L
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OA1DL

Quant Time: May 19 03:15:22 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036977.D

Acq: 18 May 2021 20:21

Instrument :

MSVOA_L

ClientSampleID :

OA1DL

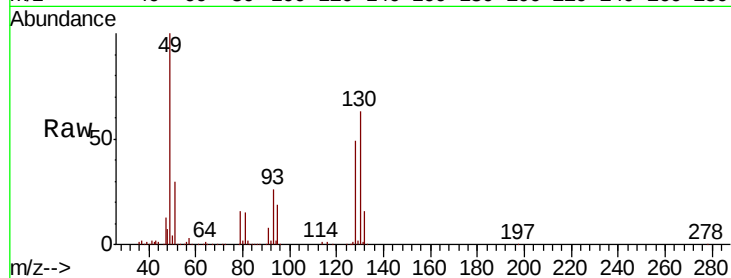
Tot Ion: 49 Resp: 1215061

Ion Ratio Lower Upper

49 100

128 54.8 26.9 80.7

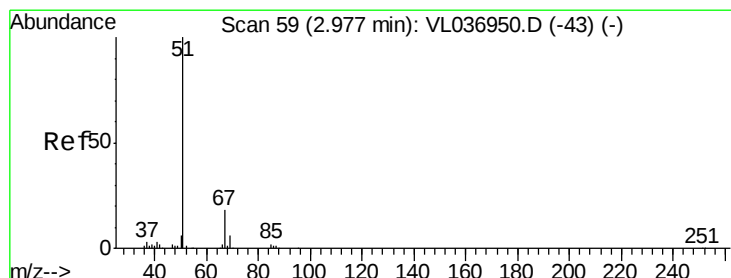
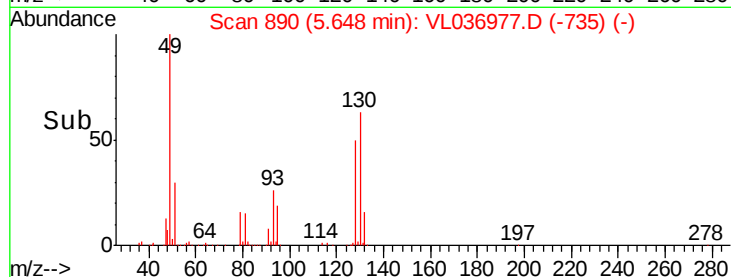
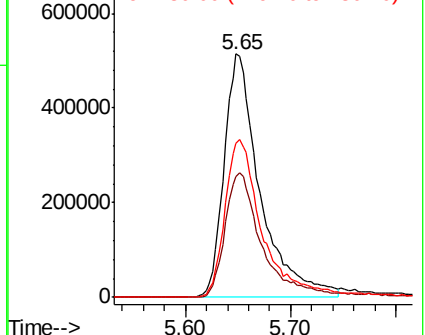
130 70.9 33.8 101.4



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: 0.038 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL036977.D

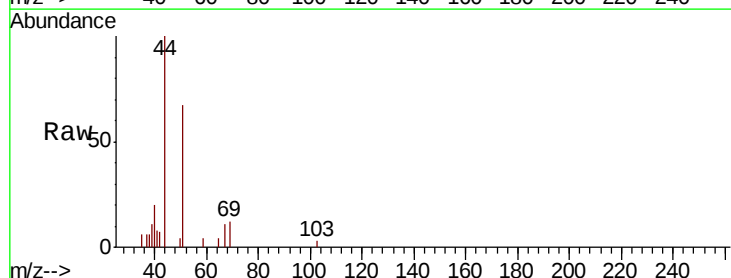
Acq: 18 May 2021 20:21

Tgt Ion: 51 Resp: 8522

Ion Ratio Lower Upper

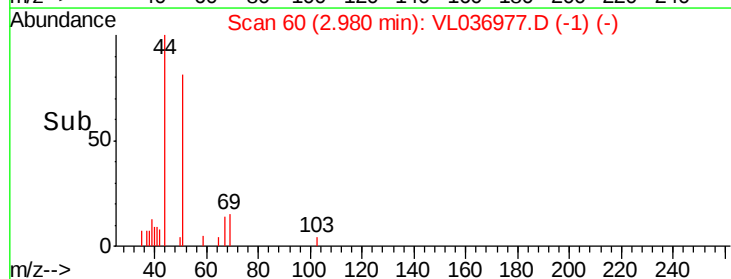
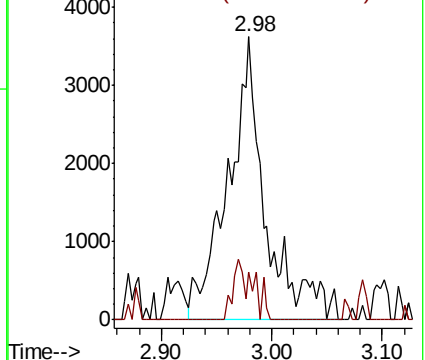
51 100

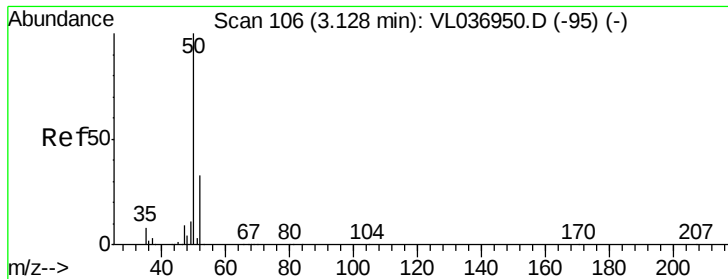
67 11.4 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.043 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036977.D

Acq: 18 May 2021 20:21

Instrument :

MSVOA_L

ClientSampleId :

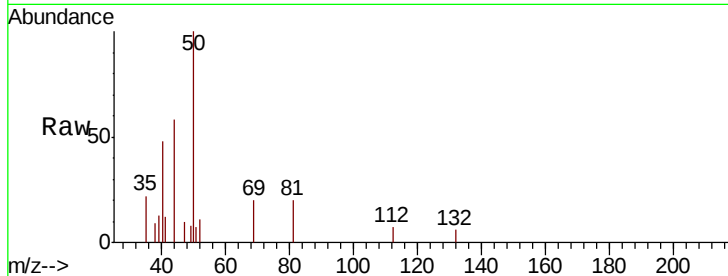
OA1DL

Tot Ion: 50 Resp: 3292

Ion Ratio Lower Upper

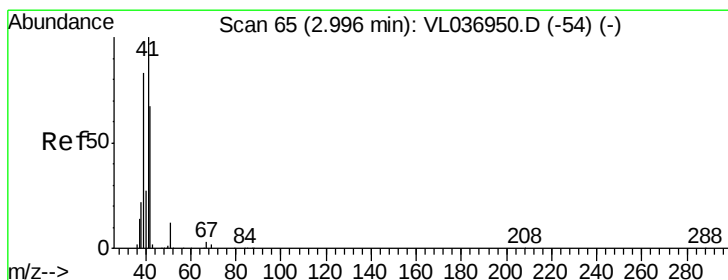
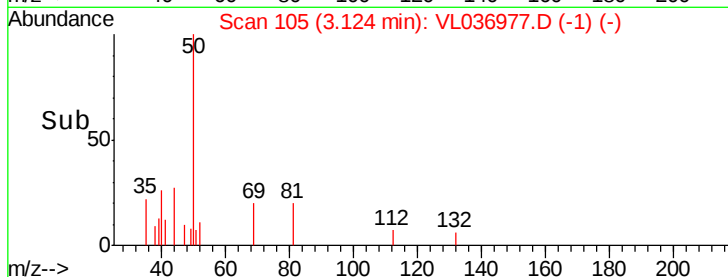
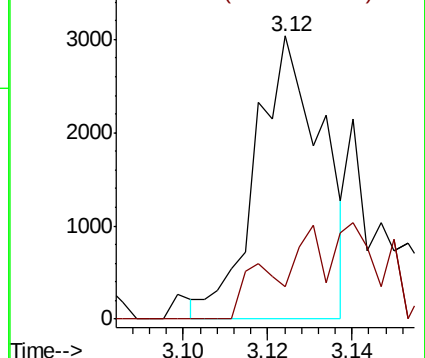
50 100

52 11.3 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.114 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL036977.D

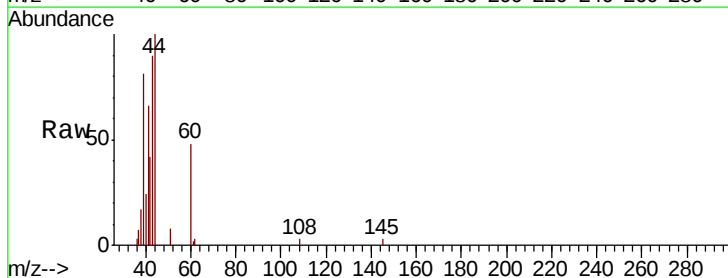
Acq: 18 May 2021 20:21

Tgt Ion: 41 Resp: 9121

Ion Ratio Lower Upper

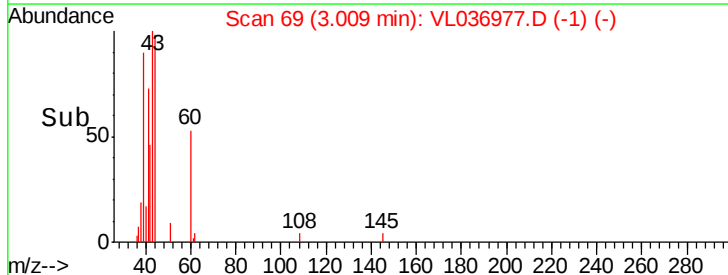
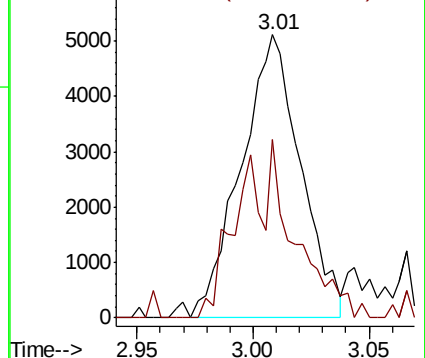
41 100

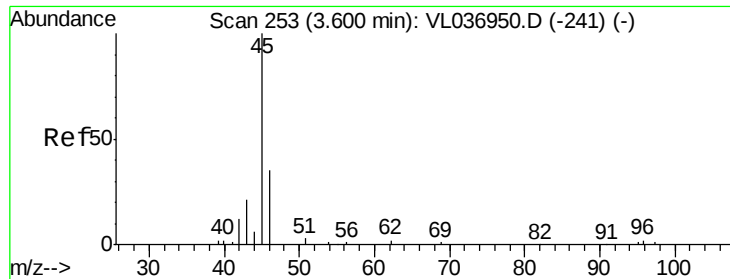
42 60.9 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.657 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL036977.D

Acq: 18 May 2021 20:21

Instrument :

MSVOA_L

ClientSampleID :

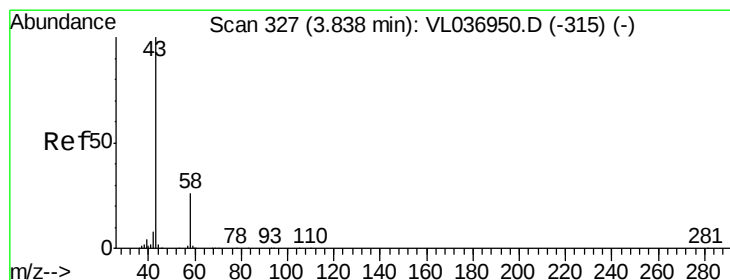
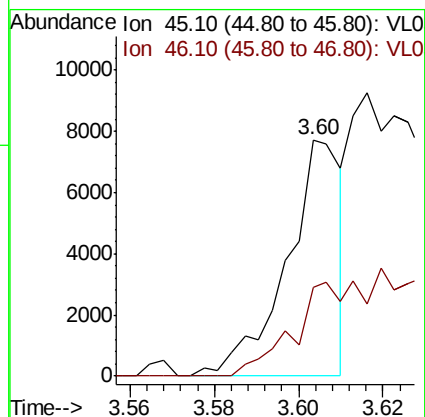
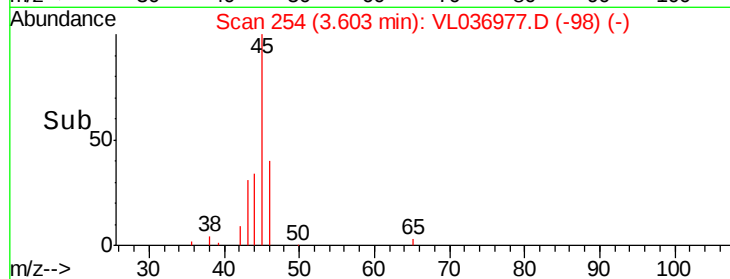
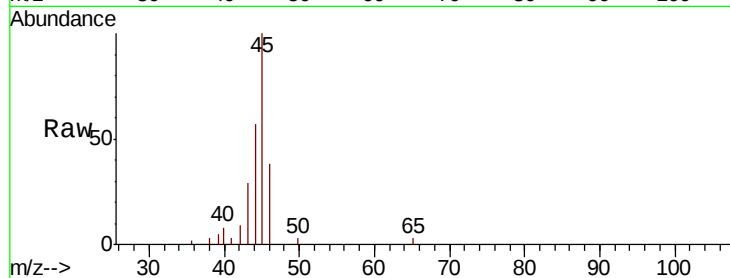
QA1DL

Tot Ion: 45 Resp: 6989

Ion Ratio Lower Upper

45 100

46 0.0 16.3 65.3#



#15

Acetone

Concen: 0.578 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL036977.D

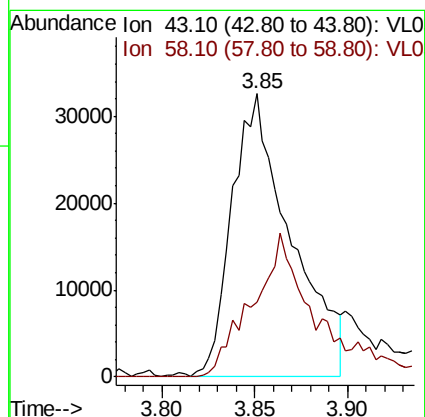
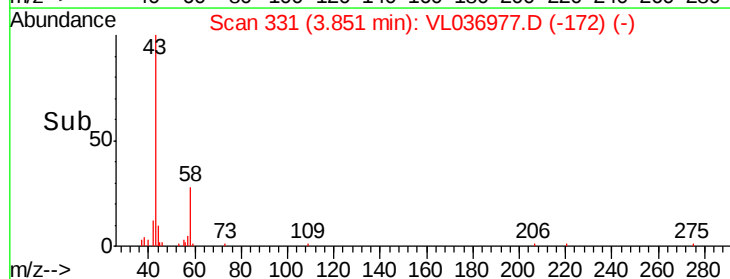
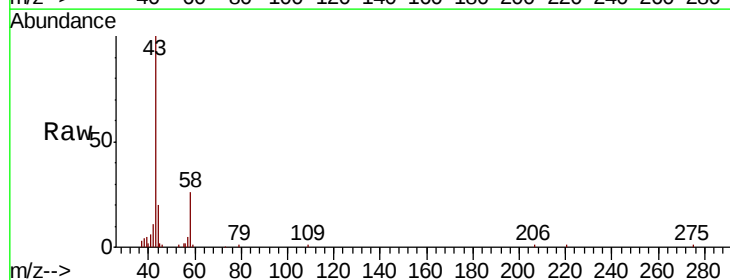
Acq: 18 May 2021 20:21

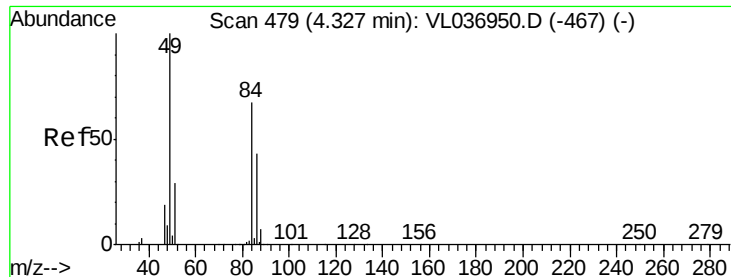
Tgt Ion: 43 Resp: 71891

Ion Ratio Lower Upper

43 100

58 59.1 24.0 36.0#

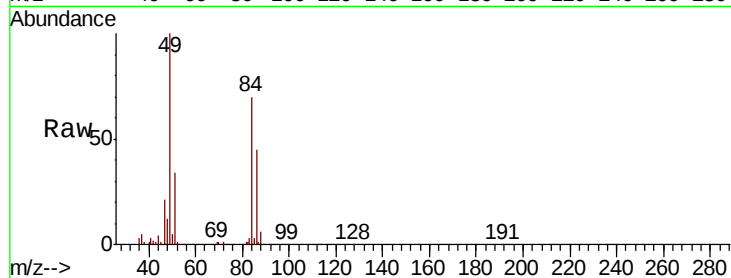




#20
Methylene Chloride
Concen: 1.883 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tot Ion:	84	Resp:	125628
Ion	Ratio	Lower	Upper
84	100		
49	141.9	119.8	179.6
51	48.2	35.1	52.7
86	63.6	50.9	76.3



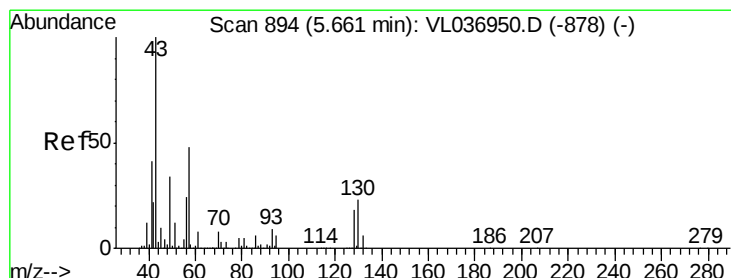
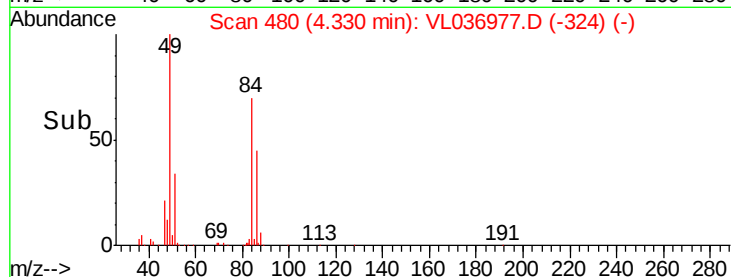
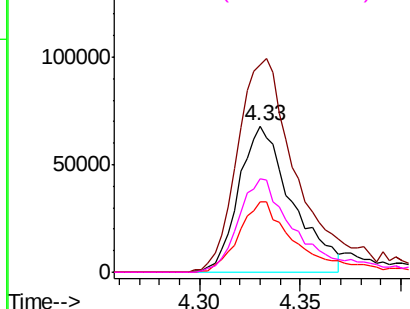
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

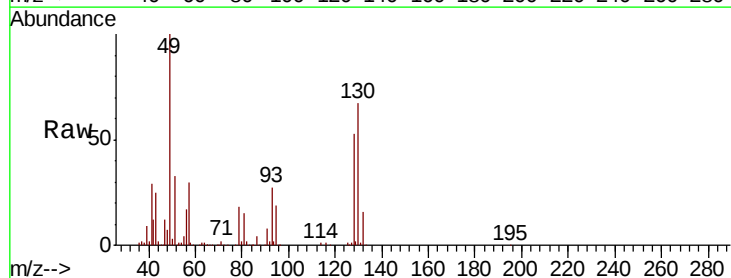
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 0.346 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Tgt Ion:	43	Resp:	103458
Ion	Ratio	Lower	Upper
43	100		
45	0.3	7.8	11.8#
61	0.0	7.8	11.8#
70	2.2	5.6	8.4#



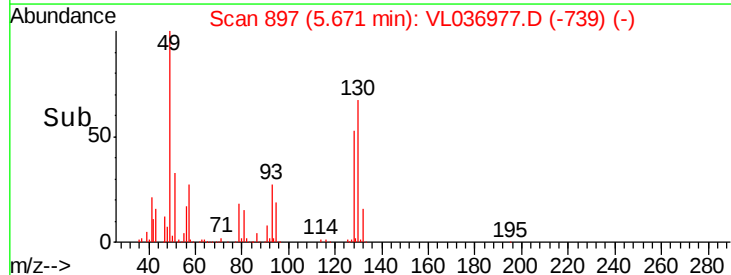
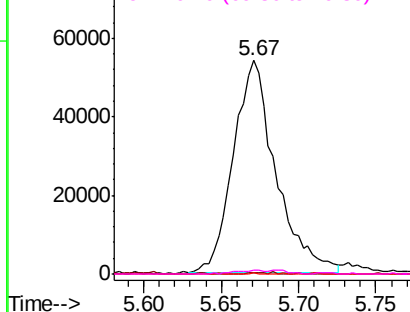
Abundance

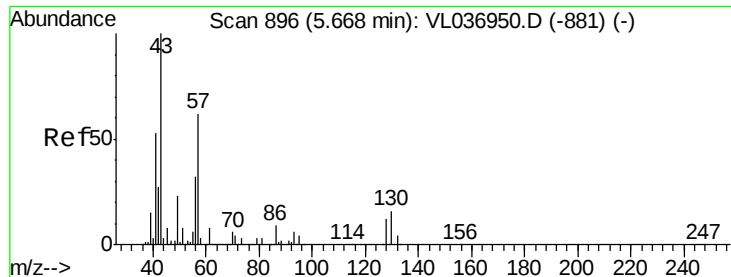
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

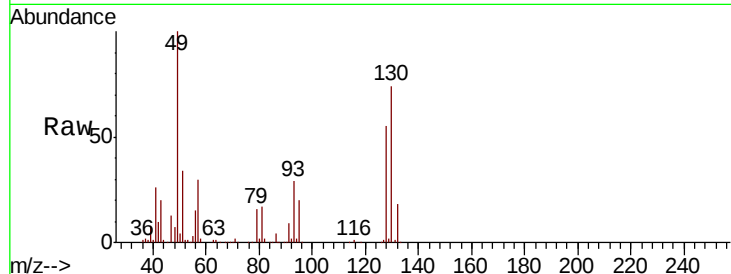




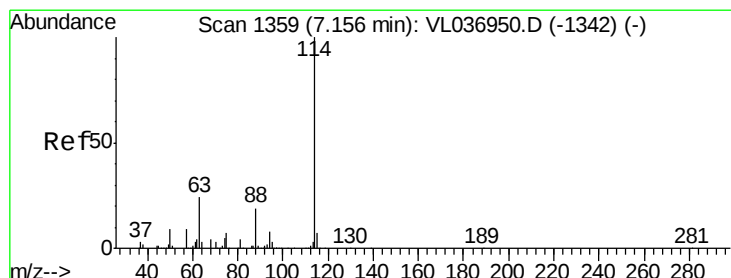
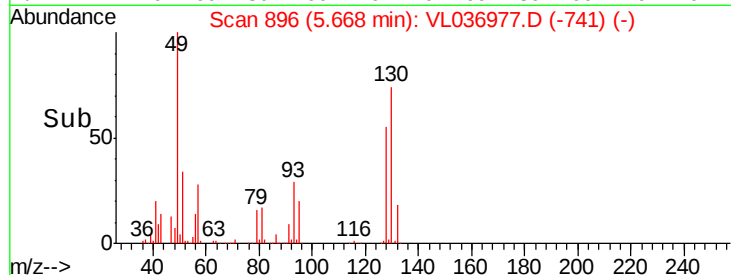
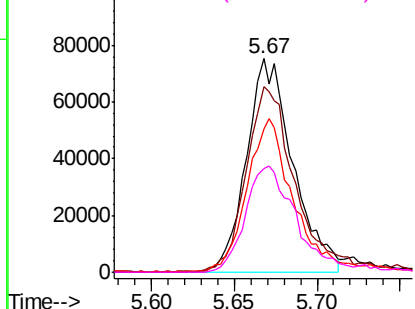
#26
Hexane
Concen: 0.960 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Tot Ion: 57 Resp: 146595
Ion Ratio Lower Upper
57 100
41 95.3 70.5 105.7
43 75.0 165.8 248.8#
56 56.0 42.2 63.4

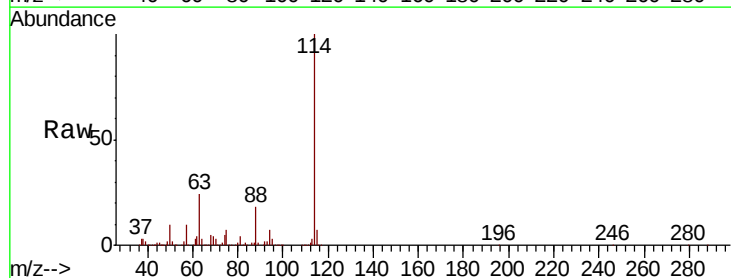


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

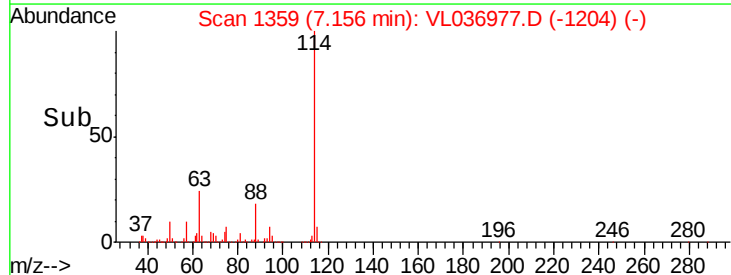
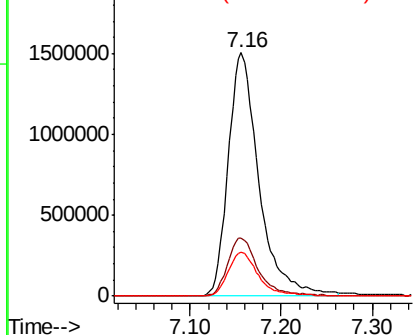


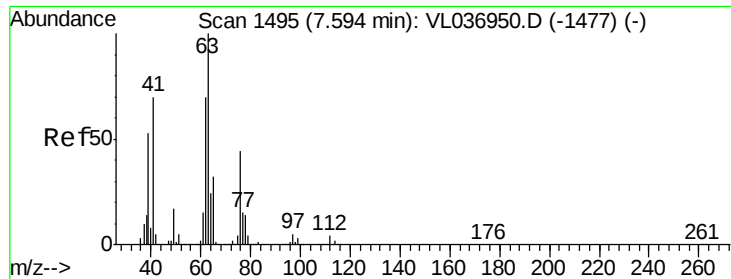
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Tgt Ion: 114 Resp: 3544345
Ion Ratio Lower Upper
114 100
63 24.1 19.6 29.4
88 18.1 14.6 21.8



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





#39

1,2-Dichloropropane

Concen: 7.010 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.44 min

Lab File: VL036977.D

Acq: 18 May 2021 20:21

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

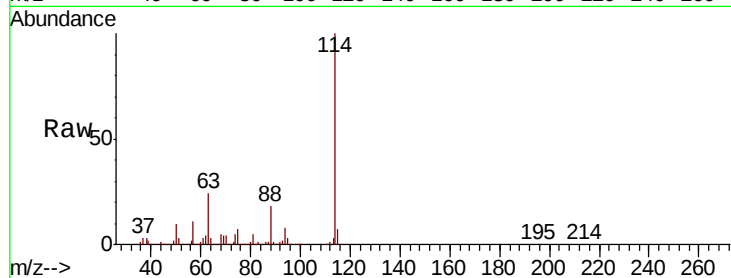
Tot Ion: 63 Resp: 824462

Ion Ratio Lower Upper

63 100

41 0.0 55.7 83.5#

62 18.3 56.2 84.4#

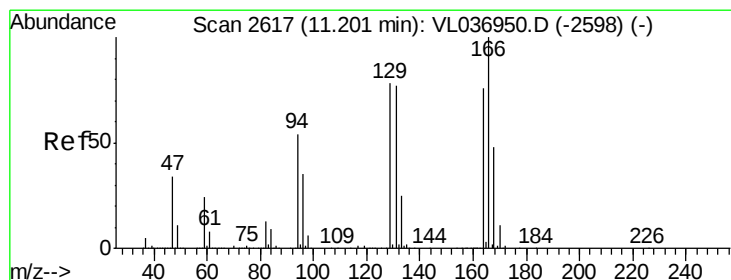
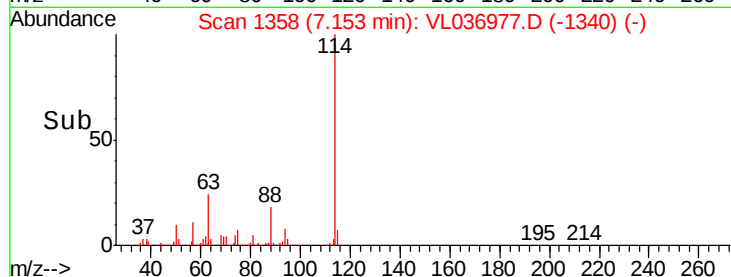
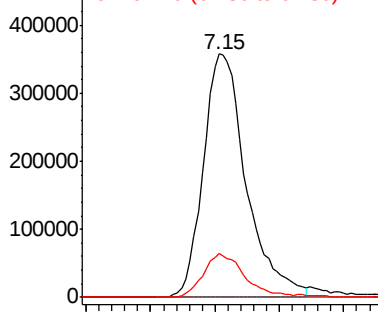


Abundance

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



#52

Tetrachloroethene

Concen: 0.109 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL036977.D

Acq: 18 May 2021 20:21

Tgt Ion:164 Resp: 13248

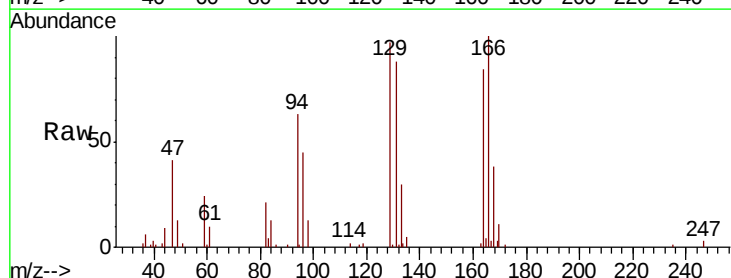
Ion Ratio Lower Upper

164 100

166 118.6 105.5 158.3

129 120.9 81.8 122.8

131 103.7 81.2 121.8



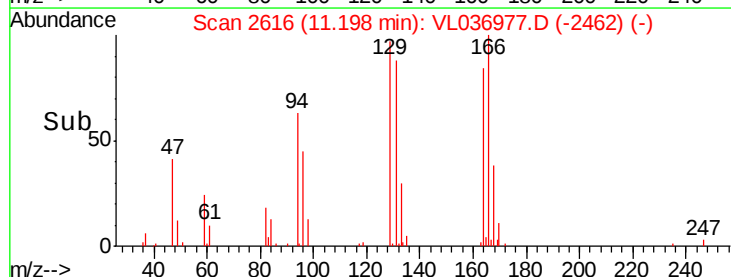
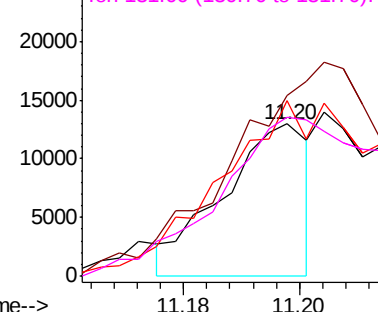
Abundance

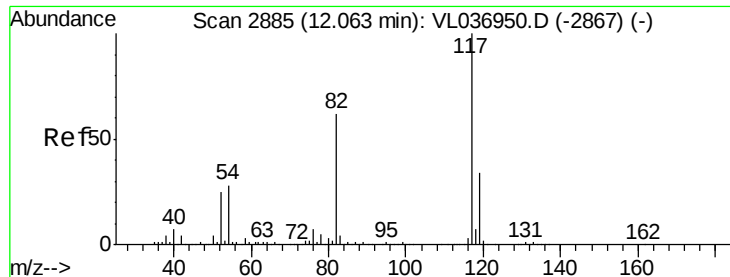
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

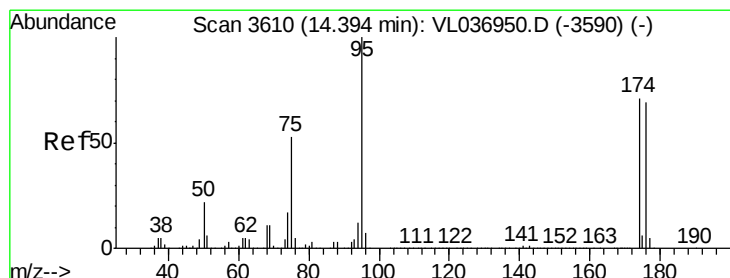
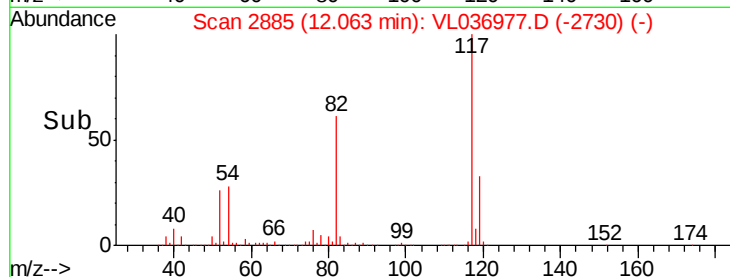
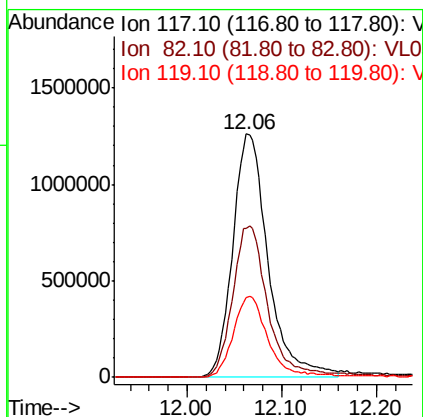
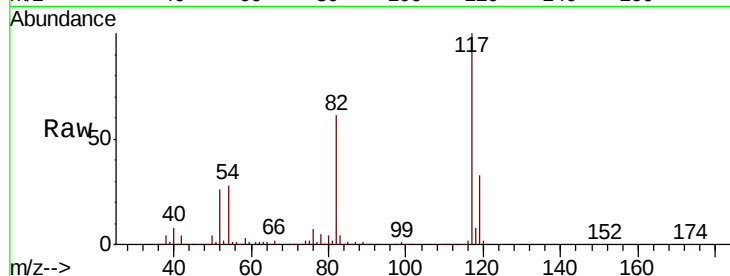




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Tot Ion:117 Resp: 3280919
Ion Ratio Lower Upper
117 100
82 64.9 52.6 79.0
119 34.1 46.6 70.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.764 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.00 min
Lab File: VL036977.D
Acq: 18 May 2021 20:21

Tgt Ion: 95 Resp: 2652887
Ion Ratio Lower Upper
95 100
174 74.8 58.4 87.6
175 5.1 4.4 6.6

